Tables

Table 1 - Sample Analysis Summary
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

						Laboratory Analysis					
Field Event	Matrix	Sample ID	Date Collected	Sample Time	Sample Interval (ft bgs)	8260 VOCs + 10 TICs	8270 SVOCs + 20 TICs	TAL Metals and Cyanide 6010, 7470, 7471, 9012	PCBs 8082	Pesticides 8081	TO-15
Subsurface Soil Sampling	*Soil*	TP-100-2-4-012116	1/21/2016	10:45	2-4'			X	X	X	
		TP-101-2-4-012116	1/21/2016	14:00	2-4'	X	X				
		TP-102-1-3-012216	1/22/2016	10:30	1-3'		X	X			
		TP-103-0-2-012116	1/21/2016	15:00	0-2'	X	X	X	X	X	
		TP-104-0-2-012216	1/22/2016	9:15	0-2'	X	X	X	X		
		TP-105-4.5-6.5-012216	1/22/2016	11:30	4.5-6.5'		X	X	X	X	
		TP-106-1.5-4-012216	1/22/2016	13:15	1.5-4'	X	X	X			
		TP-107-0-2-012216	1/22/2016	14:30	0-2'	⊕	X	X	X		
		TP-108-0-1.5-012516	1/25/2016	13:20	0-1.5'	X	X	X	X	X	
		TP-109-4-4.5-012516	1/25/2016	10:40	4-4.5'	X	X		X		
		TP-110-1.5-2-012516	1/25/2016	11:32	1.5-2'	X	X	X			
		SB-TP-111-0-0.6-082117	8/21/2017		0-0.6'		X	X			
		TP-112-3.5-4-012516	1/25/2016	14:10	3.5-4'	X	X	X	X	X	
		TP-113-1.5-2-012516	1/25/2016	15:04	1.5-2'	X	X	X	X	X	
		TP-114-4-5-012616	1/26/2016	9:09	4-5'		X	X	X	X	
		TP-115-4-5-012616	1/26/2016	9:59	4-5'		X	X			
		TP-116-7-8-011516	1/15/2016	13:45	7-8'	X		X	X		
		TP-117-1.5-2-011516	1/15/2016	11:31	1.5-2'	X	X		X	X	
		TP-118-3.5-4-011516	1/15/2016	10:24	3.5-4'	X	X	X			
		TP-119-5-6-012616	1/26/2016	10:40	5-6'	X	X		X		
		TP-120-4-4.5-012616	1/26/2016	13:25	4-4.5'	X	X	X	X		
		TP-121-8-8.5-012616	1/26/2016	11:45	8-8.5'	X	X				
		TP-122-7-8-012716	1/27/2016	9:08	7-8'	X	X		X		
		TP-123-4.5-5-012616	1/26/2016	14:24	4.5-5'	X	X	X	X	X	
		TP-124-7.5-8-012616	1/26/2016	15:10	7.5-8'	X	X		X		
		TP-125-3-4-012716	1/27/2016	10:58	3-4'	X	X	X			
		TP-126-2-3-012716	1/27/2016	10:00	2-3'			X	X		
		TP-127-8-8.5-012716	1/27/2016	11:50	8-8.5'	X	X	X	X	X	
		TP-128-5-6-012716	1/27/2016	14:07	5-6'	X	X			X	
		TP-129-4-4.5-012816	1/28/2016	14:00	4-4.5'	X	X		X		
		TP-130-9.5-10-012816	1/28/2016	9:28	9.5-10'	X		X	X	X	
		SB-TP-131-5-7-031516	3/15/2016	11:47	5-7'	X	X	X	X		
		TP-132-3-3.5-012816	1/28/2016	10:24	3-3.5'	X	X	X	X	X	
		TP-133-6.5-7-012716	1/27/2016	14:57	6.5-7'	X	X	X			
		TP-134-5-6-012816	1/28/2016	11:28	5-6'	X	X	X		X	
		TP-135-2-3-012916	1/29/2016	12:17	2-3'			X	X	X	
		TP-136-8-8.5-012916	1/29/2016	13:02	8-8.5'	X	X				
		TP-137-9.5-10-012916	1/29/2016	13:40	9.5-10'	X	X	X	X	X	
		TP-138-5-6-011516	1/15/2016	15:00	5-6'	X	X		X		
		SB-TP-139-12-14-030716	3/7/2016	12:30	12-14'	X	X	X	X	X	
		TP-140-2.5-3-011416	1/14/2016	14:08	2.5-3'	X	X	X	X		
		TP-141-4-5-011416	1/14/2016	13:04	4-5'	X	X	X	X		
		TP-142-0-1-011516	1/15/2016	9:24	0-1'		X	X	X		
		TP-143-4-6.5-011416	1/14/2016	9:55	4-6.5'	X	X	X	X	X	
		SB-TP-144-4-6-030916	3/9/2016	12:36	4-6'	X	X		X		
		TP-145-5-6-012916	1/29/2016	14:35	5-6'						
		TP-146-6-8-011316	1/13/2016	14:56	6-8'			X			
		SB-TP-147-16-18-031016	3/10/2016	9:04	16-18'	X	X	X	X		
		TP-148-2-2.5-012516	1/25/2016	9:25	2-2.5'	X	X	X		X	
		TP-149-6-8-011416	1/14/2016	11:00	6-8'		X	X	X	X	
		TP-150-4-6-011316	1/13/2016	13:40	4-6'	X		X	X		
		TP-151-2-4-011316	1/13/2016	12:15	2-4'			X	X		
		TP-152-2.5-3-012916	1/29/2016	10:20	2.5-3'	X	X		X		
		TP-137-9.5-10-012916-MS	1/29/2016	13:40	9.5-10'	X	X	X	X	X	
		TP-137-9.5-10-012916-MSD	1/29/2016	13:40	9.5-10'	X	X	X	X	X	
		TP-141-4-5-011416-MS	1/14/2016	13:04	4-5'	X	X	X	X		
		TP-141-4-5-011416-MSD	1/14/2016	13:04	4-5'	X	X	X	X		
		TP-109-4-4.5-012516-MS	1/25/2016	10:40	4-4.5'		X		X		

Table 1 - Sample Analysis Summary
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

Field Event	Matrix	Sample ID	Date Collected	Sample Time	Sample Interval (ft bgs)	Laboratory Analysis: 8260 VOCs + 10 TICs	8270 SVOCs + 20 TICs	TAL Metals and Cyanide 6010, 7470, 7471, 9012	PCBs 8082	Pesticides 8081	TO-15
Subsurface Soil Sampling	*Soil*	TP-109-4-4.5-012516-MSD	1/25/2016	10:40	4-4.5'		X		X		
		DUP-008-012116	1/21/2016	---	0-2'	X	X	X	X	X	
		DUP-009-012616	1/26/2016	---	4-4.5'	X	X	X	X		
		DUP-010-012816	1/28/2016	---	4-4.5'		□		X		
		~~FB-TP-XXX-date~~				~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	
		~~FB-TP-XXX-date~~				~~X~~	~~X~~	~~X~~	~~X~~		
		~~FB-TP-XXX-date~~					~~X~~		~~X~~		
		TB-TP-011316	1/13/2016	---	NA	X					
		TB-TP-011416	1/14/2016	---	NA	X					
		TB-TP-011516	1/15/2016	---	NA	X					
		TB-TP-012116	1/21/2016	---	NA	X					
		TB-TP-012216	1/22/2016	---	NA	X					
		TB-TP-012516	1/25/2016	---	NA	X					
		TB-TP-012616	1/26/2016	---	NA	X					
		TB-TP-012716	1/27/2016	---	NA	X					
		TB-TP-012816	1/28/2016	---	NA	X					
		TB-TP-012916	1/29/2016	---	NA	X					
		SB-100-9-10-031016	3/10/2016	11:25	9-10'	X	X	X	X		
		SB-101-12.5-14-031016	3/10/2016	12:24	12.5-14'	X	X	X	X	X	
		SB-102-4.0-6.0-082217	8/22/2017		4-6'	□					
		SB-102-4.0-6.0-090717	9/7/2017		4-6'	X					
		SB-103-4.8-5.8-030416	3/4/2016	10:51	4.8-5.8'	X	X	X	X	X	
		SB-104-12-13-030316	3/3/2016	15:15	12-13'	X	X	X			
		SB-105-11-12-031016	3/10/2016	13:37	11-12'	X	X	X	X	X	
		SB-106-5-6-030316	3/3/2016	14:20	5-6'	X	X	X	X		
		SB-107-6-7-030316	3/3/2016	13:11	6-7'	X	X	X	X		
		SB-108-5.8-6.4-030316	3/3/2016	12:20	5.8-6.4'	X	X	X	X		
		SB-109-8-9-030216	3/2/2016	15:15	8-9'	X	X	X			
		SB-110-1.5-2.5-031016	3/10/2016	14:35	1.5-2.5'	X					
		SB-111-6-7-031016	3/10/2016	15:00	6-7'		X	X	X	X	
		SB-112-0.5-2.0-082217	8/22/2017		0.5-2'	X	X	X	X	X	
		SB-112-0.5-2.0-090717	9/7/2017		0.5-2'	□					
		SB-113-1-2-031416	3/14/2016	14:18	1-2'	X	X	X	X	X	
		SB-113-4.5-6.5-031416	3/14/2016	9:08	4.5-6.5'	X	X	X	X	X	
		SB-114-2-2.5-030216	3/2/2016	13:35	2-2.5'	X	X	X	X		
		SB-115-5.6-6.7-030216	3/2/2016	13:20	5.6-6.7'	X	X	X			
		SB-116-5.7-6.5-030216	3/2/2016	10:59	5.7-6.5'	X	X	X	X	X	
		SB-117-5.9-7-030216	3/2/2016	10:12	5.9-7'	X	X	X	X		
		SB-118-7-7.4-030216	3/2/2016	8:52	7-7.4'	X	X		X		
		SB-119-4.5-6-031116	3/11/2016	9:10	4.5-6'	X	X	X	X		
		SB-120-6.5-7.4-031416	3/14/2016	11:19	6.5-7.4'	X	X		X		
		SB-121-2-2.5-031416	3/14/2016	12:22	2-2.5'	X	X	X	X		
		SB-122-7-8-022916	2/29/2016	14:30	7-8'	X	X	X	X		
		SB-123-6-7-031416	3/14/2016	13:03	6-7'			X	X		
		SB-124-8-9-031116	3/11/2016	9:50	8-9'	X	X				
		SB-125-5-7-031416	3/14/2016	13:50	5-7'	X	X	X	X		
		SB-126-1.5-2-031516	3/15/2016	8:45	1.5-2'			X	X		
		SB-127-10-11-031116	3/11/2016	10:45	10-11'	X	X	X			
		SB-128-6-6.5-031516	3/15/2016	9:28	6-6.5'				X		
		SB-129-4.6-6.6-031516	3/15/2016	10:05	4.6-6.6'	X	X	X	X	X	
		SB-130-4-4.5-042216	4/22/2016	12:44	4-4.5'	X	X		X		
		SB-131-8-10-031116	3/11/2016	11:41	8-10'	X	X	X	X		
		SB-132-4.5-5-041516	4/15/2016	8:45	4.5-5			X	X		
		SB-133-4.5-5-041416	4/14/2016	14:40	4.5-5'	X	X	X	X		
		SB-134-10-11-031516	3/15/2016	10:57	10-11'	X	X	X	X	X	
		SB-135-8-9-041516	4/15/2016	11:53	8-9'	X	X	X	X	X	
		SB-136-5-7-031116	3/11/2016	12:30	5-7'	X	X	X	X	X	
		SB-137-6-8-031116	3/11/2016	13:30	6-8'	X	X	X	X		
		SB-138-4-4.8-030116	3/1/2016	15:15	4-4.8'	X	X	X	X	X	
		SB-139-8-9.7-030116	3/1/2016	14:50	8-9.7'	X	X		X		
		SB-141-7-8-030116	3/1/2016	12:46	7-8'	X	X	X	X		
		SB-142-11-12-030116	3/1/2016	11:20	11-12'	X	X	X	X		
		SB-143-3-4-030116	3/1/2016	9:56	3-4'	X	X	X	X		
		SB-144-1-1.8-030116	3/1/2016	9:00	1-1.8'	X	X	X	X	X	
		SB-145-25.4-26.1-030916	3/9/2016	10:33	25.4-26.1'	X	X	X	X		
		SB-146-6-8-030216	3/2/2016	12:00	6-8'	X	X	X		X	
		SB-147-10-11.4-042216	4/22/2016	9:25	10'-12'	X	X	X	X		
		SB-148-8-9.2-040716	4/7/2016	9:49	8-9.2'	X	X	X	X	X	

Table 1 - Sample Analysis Summary
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

Field Event	Matrix	Sample ID	Date Collected	Sample Time	Sample Interval (ft bgs)	Laboratory Analysis: 8260 VOCs + 10 TICs	8270 SVOCs + 20 TICs	TAL Metals and Cyanide 6010, 7470, 7471, 9012	PCBs 8082	Pesticides 8081	TO-15
Subsurface Soil Sampling	*Soil*	SB-149-4-5-040616	4/6/2016	14:23	4-5'	X	X	X			
		SB-149-10-11-040616	4/6/2016	14:45	10-11'	X	X	X			
		SB-150-3-4-022916	2/29/2016	13:08	3-4'	X	X	X	X		
		SB-151-16.6-17.2-030316	3/3/2016	9:20	16.6-17.2'			X			
		SB-152-6-7-030316	3/3/2016	10:05	6-7'	X	X	X	X		
		SB-154-15-17-030316	3/3/2016	11:35	15-17'	X	X	X	X	X	
		SB-155-2-3-031016	3/10/2016	10:00	2-3'		X		X		
		SB-156-16-17-030916	3/9/2016	15:08	16-17'	X	X	X	X		
		SB-157-20.5-21.5-030916	3/9/2016	13:48	20.5-21.5'	X	X	X		X	
		SB-158-16-17.5-030816	3/8/2016	15:20	16-17.5'	X	X	X	X		
		SB-159-17-18-030916	3/9/2016	9:03	17-18'	X	X	X	X		
		SB-160-4-5-030916	3/9/2016	11:44	4-5'	X	X	X	X	X	
		SB-161-24-26-030816	3/8/2016	14:10	24-26'		X	X	X	X	
		SB-162-19-20-030816	3/8/2016	12:19	19-20'	X	X	X			
		SB-163-13.5-16-030816	3/8/2016	11:15	13.5-16'	X	X	X	X		
		SB-164-4-5.9-030716	3/7/2016	14:15	4-5.9'	X	X	X			
		SB-165-22-23-030716	3/7/2016	11:30	22-23'	X	X	X			
		SB-166-13-15-030816	3/8/2016	10:05	13-15'	X	X	X	X		
		SB-167-18-19-030716	3/7/2016	10:15	18-19'	X	X		X	X	
		SB-168-16-17-030816	3/8/2016	9:05	16-17'	X	X	X		X	
		SB-169-16-17-030716	3/7/2016	9:20	16-17'	X	X	X		X	
		SB-170-16-16.8-022916	2/29/2016	11:15	16-16.8'	X	X	X			
		SB-171-15-16-022916	2/29/2016	9:45	15-16'	X		X	X		
		SB-172-8.8-9.6-082217	8/22/2017		8.8-9.6'	☐	X	X	X	X	
		SB-172-8.5-9.7-090717	9/7/2017		8.5-9.7'	X					
		SB-173-12-15-082117	8/21/2017		12-15'	☐	X	X	X	X	
		SB-173-12-15-090717	9/7/2017		12-15'	X					
		SB-174-12.5-15-082117	8/21/2017		12.5-15'	☐	X	X	X	X	
		SB-174-12.5-15-090717	9/7/2017		12.5-15'	X					
		SB-175-21-21.4-030716	3/7/2016	15:10	21-21.4'		X	X			
		SB-176-6-7-041216	4/12/2016	10:42	6-7'	X	X	X	X		
		SB-177-5.5-6.5-031416	3/14/2016	10:40	5.5-6.5'		X	X			
		SB-178-1.5-2-031416	3/14/2016	10:01	1.5-2'		X	X			
		SB-179-6.2-7-030416	3/4/2016	10:00	6.2-7'			X	X		
		SB-180-14-14.7-030416	3/4/2016	9:07	14-14.7'			X	X		
		OVR-100-6-7-042216	4/22/2016	14:07	6-7'	X	X	X	X		
		OVR-107-10-11-041216	4/12/2016	13:20	10-11'	X	X	X	X		
		OVR-108-4.1-5.4-041316	4/13/2016	9:15	4.1-5.4'	X	X	X	X		
		OVR-109-10-11.8-041116	4/11/2016	12:10	10-11.8'	X	X	X	X		
		OVR-116-10-11.9-040116	4/1/2016	12:03	10-11.9'	X	X	X	X		
		OVR-117-7-7.6-040716	4/7/2016	13:00	7-7.6'	X	X	X	X		
		OVR-118-0.5-1-041316	4/13/2016	11:30	0.5-1	X	X	X	X		
		DUP-001-030716	3/7/2016	---		X	X	X	X	X	
		DUP-002-031416	3/14/2016	---		X	X	X	X	X	
		DUP-003-030216	3/2/2016	---		X	X	X	X	⊕	
		DUP-004-041116	4/11/2016	---		X	X	X	X		
		~~FB-SB-XXX-date~~				~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	
		~~FB-SB-XXX-date~~				~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	
		FB-OVR-107-041216	4/12/2016	14:10	NA	X	X	X	X		
		~~FB-SB-XXX-date~~				~~X~~	~~X~~	~~X~~	~~X~~		
		SB-125-5-7-031416-MS/MSD	3/14/2016	13:50	5-7'	X	X	X	X		
		SB-154-15-17-030316-MS/MSD	3/3/2016	11:35	15-17'	X	X	X	X	X	
		SB-163-13.5-16-030816-MS/MSD	3/8/2016	11:15	13.5-16'	X	X	X	X		
		SB-135-8-9-041516-MS	4/15/2016	11:53	8-9'	X	X	X	X	X	
		SB-135-8-9-041516-MSD	4/15/2016	11:53	8-9'	X	X	X	X	X	
		TB-SB-022916	2/29/2016	---	NA	X					
		TB-SB-030116	3/1/2016	---	NA	X					
		TB-SB-030216	3/2/2016	---	NA	X					
		TB-SB-030316	3/3/2016	---	NA	X					
		TB-SB-030416	3/4/2016	---	NA	X					
		TB-SB-030716	3/7/2016	---	NA	X					
		TB-SB-030816	3/8/2016	---	NA	X					
		TB-SB-030916	3/9/2016	---	NA	X					
		TB-SB-031016	3/10/2016	---	NA	X					
		TB-SB-031116	3/11/2016	---	NA	X					
		TB-SB-031416	3/14/2016	---	NA	X					
		TB-SB-031516	3/15/2016	---	NA	X					
		TB-SB-040116	4/1/2016	---	NA	X					
		TB-SB-040616	4/6/2016	---	NA	X					
		TB-SB-040716	4/7/2016	---	NA	X					
		TB-SB-041116	4/11/2016	---	NA	X					
		TB-SB-041216	4/12/2016	---	NA	X					
		TB-SB-041316	4/13/2016	---	NA	X					
		TB-SB-041416	4/14/2015	---	NA	X					

Table 1 - Sample Analysis Summary
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

Field Event	Matrix	Sample ID	Date Collected	Sample Time	Sample Interval (ft bgs)	Laboratory Analysis: 8260 VOCs + 10 TICs	8270 SVOCs + 20 TICs	TAL Metals and Cyanide 6010, 7470, 7471, 9012	PCBs 8082	Pesticides 8081	TO-15
Subsurface Soil Sampling	*Soil*	TB-SB-041516	4/15/2016	---	NA	X					
		TB-SB-042216	4/22/2016	---	NA	X					
		TB-SB-082117	8/21/2017		NA	X					
		TB-082217	8/22/2017		NA	X					
		TB-SB-090717	9/7/2017		NA	X					
Investigative-Derived Waste	*Various*	IDW-001-040116	4/1/2016	15:20	NA						
		IDW-002-042916	4/29/2016	10:00	NA						
		ID-003-042916	4/29/2016	11:00	NA						
		IDW-004-090216	9/2/2016	8:28	NA						
		TB-IDW-040116	4/1/2016	---	NA						
		TB-IDW-042916	4/29/2016	---	NA						
Monitoring Well Sampling	*Groundwater*	OVR-100-082316	8/23/2016	14:25	NA	X	X	X	X		
		OVR-100-121316	12/13/2016	10:25	NA	X	X	X	X		
		OVR-101-082416	8/24/2016	9:03	NA	X	X	X	X		
		OVR-101-121316	12/13/2016	8:55	NA	X	X	X	X		
		OVR-102-081516	8/15/2016	14:50	NA	X	X	X	□		
		OVR-102-120516	12/5/2016	12:09	NA	X	X	X	X		
		OVR-103-082216	8/22/2016	12:55	NA	X	X	X	X		
		OVR-103-120916	12/9/2016	13:40	NA	X	X	X	X		
		OVR-104-081816	8/18/2016	17:00	NA	X	X	X	X		
		OVR-104-120816	12/8/2016	12:33	NA	X	X	X	X		
		OVR-105-081516	8/15/2016	12:49	NA	X	X	X	X		
		OVR-105-120516	12/5/2016	13:30	NA	X	X	X	X		
		OVR-106-082216	8/22/2016	17:58	NA	X	X	X	X		
		OVR-106-121216	12/12/2016	12:15	NA	X	X	X	X		
		OVR-107-082316	8/23/2016	8:45	NA	X	X	X	X		
		OVR-107-121216	12/12/2016	11:15	NA	X	X	X	X		
		OVR-108-082216	8/22/2016	14:40	NA	X	X	X	X		
		OVR-108-121216	12/12/2016	9:05	NA	X	X	X	X		
		OVR-109-082216	8/22/2016	14:10	NA	X	X	X	X		
		OVR-109-121216	12/12/2016	9:56	NA	X	X	X	X		
		OVR-110-081616	8/16/2016	10:16	NA	X	X	X	X		
		OVR-110-120516	12/5/2016	14:18	NA	X	X	X	X		
		OVR-111-082216	8/22/2016	10:20	NA	X	X	X	X		
		OVR-111-120916	12/9/2016	12:10	NA	X	X	X	X		
		OVR-112-081916	8/19/2016	11:10	NA	X	X	X	X		
		OVR-112-120816	12/8/2016	14:45	NA	X	X	X	X		
		OVR-113-081916	8/19/2016	10:22	NA	X	□	X	□		
		OVR-113-120816	12/8/2016	14:42	NA	X	X	X	X		
		OVR-114-081616	8/16/2016	10:00	NA	X	X	X	X		
		OVR-114-120516	12/5/2016	16:00	NA	X	X	X	X		
		OVR-115-081616	8/16/2016	14:00	NA	X	X	X	X		
		OVR-115-120616	12/6/2016	9:45	NA	X	X	X	X		
		OVR-116-081616	8/16/2016	13:48	NA	X	X	X	X		
		OVR-116-120616	12/6/2016	10:55	NA	X	X	X	X		
		OVR-117-082416	8/24/2016	9:55	NA	X	X	X	X		
		OVR-117-121316	12/13/2016	13:22	NA	X	X	X	X		
		OVR-118-081816	8/18/2016	11:45	NA	X	X	X	X		
		OVR-118-120716	12/7/2016	14:52	NA	X	X	X	X		
		OVR-119-081916	8/19/2016	8:30	NA	X	X	X	X		
		OVR-119-120816	12/8/2016	15:38	NA	X	X	X	X		
		OVR-120-081816	8/18/2016	13:32	NA	X	X	X	X		
		OVR-120-120816	12/8/2016	10:23	NA	X	X	X	X		
		OVR-121-081616	8/16/2016	16:46	NA	X	X	X	X		
		OVR-121-120616	12/6/2016	10:40	NA	X	X	X	X		
		OVR-122-081816	8/18/2016	9:56	NA	X	X	X	X		
		OVR-122-120716	12/7/2016	12:55	NA	X	X	X	X		
		OVR-123-081816	8/18/2016	9:55	NA	X	X	X	X		
		OVR-123-120716	12/7/2016	14:30	NA	X	X	X	X		
		OVR-124-081716	8/17/2016	16:22	NA	X	X	X	X		
		OVR-124-120716	12/7/2016	10:47	NA	X	X	X	X		
		OVR-125-081716	8/17/2016	10:02	NA	X	X	X	X		
		OVR-125-120616	12/6/2016	14:08	NA	X	X	X	X		
		OVR-126-081716	8/17/2016	9:00	NA	X	X	X	X		
		OVR-126-120616	12/6/2016	15:30	NA	X	X	X	X		
		OVR-127-081716	8/17/2016	12:44	NA	X	X	X	X		
		OVR-127-120616	12/6/2016	15:52	NA	X	X	X	X		
		OVR-128-081716	8/17/2016	12:15	NA	X	X	X	X		
		OVR-128-120716	12/7/2016	11:00	NA	X	X	X	X		
		OVR-129-081716	8/17/2016	17:10	NA	X	X	X	X		

Table 1 - Sample Analysis Summary
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

Field Event	Matrix	Sample ID	Date Collected	Sample Time	Sample Interval (ft bgs)	Laboratory Analysis: 8260 VOCs + 10 TICs	8270 SVOCs + 20 TICs	TAL Metals and Cyanide 6010, 7470, 7471, 9012	PCBs 8082	Pesticides 8081	TO-15
Monitoring Well Sampling	Groundwater	OVR-129-120716	12/7/2016	9:10	NA	X	X	X	X		
		OVR-130-082316	8/23/2016	14:40	NA	X	X	X	X		
		OVR-130-121316	12/13/2016	9:14	NA	X	X	X	X		
		OVR-131-082316	8/23/2016	9:04	NA	X	X	X	X		
		OVR-131-121316	12/13/2016	12:40	NA	X	X	X	X		
		OVR-132-082316	8/23/2016	12:00	NA	X	X	X	X		
		OVR-132-121216	12/12/2016	14:40	NA	X	X	X	X		
		BED1-100-082316	8/23/2016	11:52	NA	X	X	X	X		
		BED1-100-121316	12/13/2016	11:30	NA	X	X	X	X		
		BED1-101-082416	8/24/2016	10:50	NA	X	X	X	X		
		BED1-101-121216	12/12/2016	13:50	NA	X	X	X	X		
		BED1-102-081516	8/15/2016	16:13	NA	X	X	X	X		
		BED1-102-120516	12/5/2016	11:39	NA	X	X	X	X		
		BED1-103-081916	8/19/2016	14:12	NA	X	X	X	X		
		BED1-103-120916	12/9/2016	9:34	NA	X	X	X	X		
		BED1-104-081816	8/18/2016	15:51	NA	X	X	X	X		
		BED1-104-120816	12/8/2016	12:10	NA	X	X	X	X		
		MW-3-082316	8/23/2016	16:35	NA	X	X	X	X		
		MW-3-120916	12/9/2016	12:28	NA	X	X	X	X		
		BED1-104-081816-MS	8/18/2016	15:51	NA	X	X	X	X		
		BED1-104-081816-MSD	8/18/2016	15:51	NA	X	X	X	X		
		OVR-121-120616-MS	12/6/2016	10:40	NA	X	X	X	X		
		OVR-121-120616-MSD	12/6/2016	10:40	NA	X	X	X	X		
		OVR-101-082416-MS	8/24/2016	9:03	NA	X	X	X	X		
		OVR-101-082416-MSD	8/24/2016	9:03	NA	X	X	X	X		
		BED1-103-120916-MS	12/9/2016	9:34	NA	X	X	X	X		
		BED1-103-120916-MSD	12/9/2016	9:34	NA	X	X	X	X		
		DUP-011-081616	8/16/2016	13:48	NA	X	X	X	X		
		DUP-012-082316	8/23/2016	9:04	NA	X	X	X	X		
		DUP-015-120716	12/7/2016	10:47	NA	X	X	X	X		
		DUP-016-121316	12/13/2016	9:14	NA	X	X	X	X		
		FB-OVR-119-081916	8/19/2016	11:55	NA	X	X	X	X		
		FB-MW-3-082416	8/24/2016	7:45	NA	X	X	X	X		
		FB-OVR-118-120716	12/7/2016	16:45	NA	X	X	X	X		
		FB-OVR-107-121216	12/12/2016	16:00	NA	X	X	X	X		
		TB-MW-081516	8/15/2016	---	NA	X					
		TB-MW-081616	8/16/2016	---	NA	X					
		TB-MW-081716	8/17/2016	---	NA	X					
		TB-MW-081816	8/18/2016	---	NA	X					
		TB-MW-081916	8/19/2016	---	NA	X					
		TB-MW-082216	8/22/2016	---	NA	X					
		TB-MW-082316	8/23/2016	---	NA	X					
		TB-MW-082416	8/24/2016	---	NA	X					
		TB-MW-120516	12/5/2016	---	NA	X					
		TB-MW-120616	12/6/2016	---	NA	X					
		TB-MW-120716	12/7/2016	---	NA	X					
		TB-MW-120816	12/8/2016	---	NA	X					
		TB-MW-120916	12/9/2016	---	NA	X					
		TB-MW-121216	12/12/2016	---	NA	X					
		TB-MW-121316	12/13/2016	---	NA	X					
Grab Sampling	Groundwater	GW-101-082217	8/22/2017		NA	X					
		GW-102-082217	8/22/2017		NA	X					
		GW-103-082217	8/22/2017		NA	X					
		GW-104-082217	8/22/2017		NA	X					
		GW-105-082217	8/22/2017		NA	X					
		GW-106-082217	8/22/2017		NA	X					
		GW-107-082217	8/22/2017		NA	X					
		GW-108-082217	8/22/2017		NA	X					
		GW-105-082217-MS/MSD	8/22/2017		NA	X					
		DUP-013-082217	8/22/2017		NA	X					
		TB-082217	8/22/2017		NA	X					
Surface Soil Sampling	Soil	SS-100-0-0.17-092016	9/20/2016	10:40	0-0.17'	X					
		SS-101-0-0.17-092016	9/20/2016	10:37	0-0.17'	X	X	X			
		SS-102-0-0.17-092016	9/20/2016	11:08	0-0.17'	X					
		SS-103-0-0.17-092016	9/20/2016	10:00	0-0.17'	X	X	X			
		SS-104-0-0.17-091916	9/19/2016	15:56	0-0.17'	X					
		SS-105-0-0.17-091916	9/19/2016	15:49	0-0.17'	X	X	X			
		SS-106-0-0.17-091916	9/19/2016	15:05	0-0.17'	X	X	X			
		SS-107-0-0.17-091916	9/19/2016	14:42	0-0.17'	X					
		SS-108-0-0.17-091916	9/19/2016	14:24	0-0.17'	X	X	X			
		SS-109-0-0.17-091916	9/19/2016	14:05	0-0.17'		X	X			

Table 1 - Sample Analysis Summary
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

						Laboratory Analysis					
Field Event	Matrix	Sample ID	Date Collected	Sample Time	Sample Interval (ft bgs)	8260 VOCs + 10 TICs	8270 SVOCs + 20 TICs	TAL Metals and Cyanide 6010, 7470, 7471, 9012	PCBs 8082	Pesticides 8081	TO-15
Surface Soil Sampling	Soil	SS-110-1-2-092116	9/21/2016	10:50	1-2'	X	X	X	X		
		SS-111-0-0.17-091916	9/19/2016	13:45	0-0.17'	X	X	X			
		SS-112-0-0.17-091916	9/19/2016	13:20	0-0.17'	X	X	X			
		SS-113-1-2-092116	9/21/2016	10:18	1-2'	X	X	X	X	X	
		SS-114-0-0.17-092016	9/20/2016	9:30	0-0.17'	X	X	X		X	
		SS-115-0-0.17-092016	9/20/2016	8:45	0-0.17'	X	X	X			
		SS-116-0-0.17-092016	9/20/2016	9:05	0-0.17'		X	X			
		SS-117-1-1.5-092116	9/21/2016	11:36	1-1.5'	X	X	X			
		SS-118-1-2-092116	9/21/2016	12:59	1-2'	X	X	X	X		
		SS-119-0-0.5-092116	9/21/2016	13:30	0-0.5'		X	X			
		SS-120-0.5-1-092116	9/21/2016	14:18	0.5-1'	X	X	X		X	
		SS-121-0-0.17-092016	9/20/2016	11:35	0-0.17'	X	☐	X			
		SS-122-1.5-2-092116	9/21/2016	14:50	1.5-2'	X	X	X			
		SS-123-0-0.17-092016	9/20/2016	12:05	0-0.17'	X	X	X	X	X	
		SS-124-1-2-092216	9/22/2016	8:25	1-2'	X	X	X	X	X	
		SS-125-1-2-092216	9/22/2016	9:12	1-2'	X	X	X	X	X	
		SS-126-0-0.17-092016	9/20/2016	13:02	0-0.17'				X	X	
		SS-127-0-0.17-092016	9/20/2016	13:23	0-0.17'				X	X	
		SS-128-0-0.17-092016	9/20/2016	13:49	0-0.17'				X		
		SS-129-0-0.17-092016	9/20/2016	14:12	0-0.17'	X	X	X	X		
		SS-130-0.5-1.5-092216	9/22/2016	9:49	0.5-1.5'		X	X			
		SS-131-0-0.17-092016	9/20/2016	14:33	0-0.17'	X	X	X	X	X	
		SS-132-1-1.5-092216	9/22/2016	10:25	1-1.5'		X	X	X	X	
		SS-133-1-2-092016	9/20/2016	15:12	1-2'	X	X	X		X	
		SS-134-0-0.17-091916	9/19/2016	8:39	0-0.17'		X	X			
		SS-135-0-0.17-091916	9/19/2016	9:01	0-0.17'	X	X	X	X	X	
		SS-136-0-0.17-091916	9/19/2016	9:30	0-0.17'	X	X	X		X	
		SS-137-1.5-2-092016	9/20/2016	15:46	1.5-2'		X	X			
		SS-138-0.5-1-092016	9/20/2016	16:32	0.5-1'		X	X	X	X	
		SS-139-0-0.17-091916	9/19/2016	9:50	0-0.17'			X			
		SS-140-0-0.17-091916	9/19/2016	10:07	0-0.17'	X	X	X		X	
		SS-141-1-2-092116	9/21/2016	15:25	1-2'	X	X	X			
		SS-142-0.5-1.5-092116	9/21/2016	15:47	0.5-1.5'	X	X	X			
		SS-143-0-0.17-091916	9/19/2016	10:27	0-0.17'	X	X		X	X	
		SS-144-0.5-1.5-092116	9/21/2016	8:13	0.5-1.5'		X	X		X	
		SS-145-0.5-1.5-092116	9/21/2016	8:48	0.5-1.5'	X	X	X	X	X	
		SS-146-0-0.17-091916	9/19/2016	10:55	0-0.17'	X	X				
		SS-147-0.5-1.5-092116	9/21/2016	12:07	0.5-1.5'	X	X	X		X	
		SS-148-0-0.17-092016	9/20/2016	8:18	0-0.17'	X	X	X			
		SS-149-0-0.17-091916	9/19/2016	11:50	0-0.17'		X	X			
		SS-150-0-0.17-091916	9/19/2016	11:18	0-0.17'	X	X	X			
		SS-151-0-0.5-092116	9/21/2016	9:24	0-0.5'		X	X			
		SS-152-0-0.17-091916	9/19/2016	12:59	0-0.17'	X	X	X		X	
		SS-153-0-0.17-091916	9/19/2016	12:36	0-0.17'	X	X	X			
		SS-124-1-2-092216-MS	9/22/2016	8:25	1-2'	X	X	X	X	X	
		SS-124-1-2-092216-MSD	9/22/2016	8:25	1-2'	X	X	X	X	X	
		SS-148-0-0.17-092016-MS	9/20/2016	8:18	0-0.17'	X	X	X			
		SS-148-0-0.17-092016-MSD	9/20/2016	8:18	0-0.17'	X	X	X			
		SS-144-0.5-1.5-092116-MS	9/21/2016	8:13	0.5-1.5'		X	X			
		SS-144-0.5-1.5-092116-MSD	9/21/2016	8:13	0.5-1.5'		X	X			
		DUP-005-092116	9/21/2016	10:18	1-2'	X	X	X	X	X	
		DUP-006-091916	9/19/2016	11:18	0-0.17'	X	X	X			
		DUP-007-092016	9/20/2016	12:05	0-0.17'				X		
		FB-SS-142-092216	9/22/2016	7:35	NA	X	X	X	X	X	
		~~FB-SS-XXXdate~~			NA	~~X~~	~~X~~	~~X~~			
		TB-SS-091916	9/19/2016	----	NA	X					
		TB-SS-092016	9/20/2016	----	NA	X					
		TB-SS-092116	9/21/2016	----	NA	X					
		TB-SS-092216	9/22/2016	----	NA	X					

Table 1 - Sample Analysis Summary
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

Field Event	Matrix	Sample ID	Date Collected	Sample Time	Sample Interval (ft bgs)	8260 VOCs + 10 TICs	8270 SVOCs + 20 TICs	TAL Metals and Cyanide 6010, 7470, 7471, 9012	PCBs 8082	Pesticides 8081	TO-15
					Laboratory Analysis						
Soil Vapor	*Air*	SV-100-081817	8/18/2017		NA						X
		SV-101-081817	8/18/2017		NA						X
		SV-102-081817	8/18/2017		NA						X
		SV-103-081817	8/18/2017		NA						X
		SV-104-081817	8/18/2017		NA						X
		SV-105-081817	8/18/2017		NA						X
		SV-106-081817	8/18/2017		NA						X
		SV-107-081817	8/18/2017		NA						X
		FB-SV-102-081817	8/18/2017		NA						X
		DUP-014-081817	8/18/2017		NA						X

Notes:
☐ Analysis not performed as requested
⊕ Analysis added

Table 2 - Surface Soil, Existing Surface Cover, and Subsurface Soil Descriptions and Field Observations
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

Sample ID	Date Collected	Sample Time	Sample Interval	Sampled Material Simplified Description	Interval Layer	Interval Top & Bottom	Base of fill	Depth of Max PID Interval	Max PID Reading (ppm)	Sheen Present	Odor	Refusal Depth
Surface Soils												
SS-100-0-0.17-092016	9/20/2016	10:40	0-0.17'	Dusky yellowish brown, damp, F-M SAND, little SILT, brick frags	FILL	Not Applicable	-	-	< 10	N	N	-
SS-101-0-0.17-092016	9/20/2016	10:37	0-0.17'	Dk yellowish brown, damp, topsoil, little F SAND, trace SILT		Not Applicable	-	-	< 10	N	N	-
SS-102-0-0.17-092016	9/20/2016	11:08	0-0.17'	Dusky yellowish brown, damp, F-M SAND, trace SILT		Not Applicable	-	-	< 10	N	N	-
SS-103-0-0.17-092016	9/20/2016	10:00	0-0.17'	Dk yellowish brown, damp, F SAND, little SILT, trace glass	FILL	Not Applicable	-	-	< 10	N	N	-
SS-104-0-0.17-091916	9/19/2016	15:56	0-0.17'	Dusky yellowish brown, damp, F SAND, topsoil, little SILT, brick frags	FILL	Not Applicable	-	-	< 10	N	N	-
SS-105-0-0.17-091916	9/19/2016	15:49	0-0.17'	Dusky yellowish brown, damp, F SAND, topsoil, brick/concrete frags	FILL	Not Applicable	-	-	< 10	N	N	-
SS-106-0-0.17-091916	9/19/2016	15:05	0-0.17'	Dusky yellowish brown, damp, topsoil, little SILT, trace SAND		Not Applicable	-	-	< 10	N	N	-
SS-107-0-0.17-091916	9/19/2016	14:42	0-0.17'	Mod brown, damp, topsoil, F SAND, gravel, brick, concrete	FILL	Not Applicable	-	-	< 10	N	N	-
SS-108-0-0.17-091916	9/19/2016	14:24	0-0.17'	Dk yellowish brown, damp, topsoil, F SAND, little SILT, brick, concrete	FILL	Not Applicable	-	-	< 10	N	N	-
SS-109-0-0.17-091916	9/19/2016	14:05	0-0.17'	Brownish Blk, damp, topsoil, F SAND, little SILT		Not Applicable	-	-	< 10	N	N	-
SS-111-0-0.17-091916	9/19/2016	13:45	0-0.17'	Brownish Blk, damp, topsoil, F SAND, some SILT		Not Applicable	-	-	< 10	N	N	-
SS-112-0-0.17-091916	9/19/2016	13:20	0-0.17'	Dusky brown, damp, F SAND, topsoil, brick/concrete frags	FILL	Not Applicable	-	-	< 10	N	N	-
SS-114-0-0.17-092016	9/20/2016	9:30	0-0.17'	Dusky brown, dry, F SAND, slag, gravel	FILL	Not Applicable	-	-	< 10	N	N	-
SS-115-0-0.17-092016	9/20/2016	8:45	0-0.17'	Dusky yellowish brn, damp, topsoil, F SAND, SILT, cinders, brick/concrete	FILL	Not Applicable	-	-	< 10	N	N	-
SS-116-0-0.17-092016	9/20/2016	9:05	0-0.17'	Dusky yellowish brown, damp, topsoil, F SAND		Not Applicable	-	-	< 10	N	N	-
SS-121-0-0.17-092016	9/20/2016	11:35	0-0.17'	Dusky brown, damp, topsoil, F-M SAND, gravel, concrete	FILL	Not Applicable	-	-	< 10	N	N	-
SS-123-0-0.17-092016	9/20/2016	12:05	0-0.17'	Dusky yellowish brown, damp, topsoil, F-M SAND, SILT		Not Applicable	-	-	< 10	N	N	-
SS-126-0-0.17-092016	9/20/2016	13:02	0-0.17'	Dusky yellowish brown, damp, topsoil, peat		Not Applicable	-	-	< 10	N	N	-
SS-127-0-0.17-092016	9/20/2016	13:23	0-0.17'	Brownish blk, damp, topsoil, SILT, F SAND		Not Applicable	-	-	< 10	N	N	-
SS-128-0-0.17-092016	9/20/2016	13:49	0-0.17'	Dusky yellowish brown, damp, topsoil, F SAND		Not Applicable	-	-	< 10	N	N	-
SS-129-0-0.17-092016	9/20/2016	14:12	0-0.17'	Brownish blk, damp, topsoil, F SAND, tile fragments	FILL	Not Applicable	-	-	< 10	N	N	-
SS-131-0-0.17-092016	9/20/2016	14:33	0-0.17'	Brownish blk, damp, F-M SAND, gravel, SILT	FILL	Not Applicable	-	-	< 10	N	N	-
SS-134-0-0.17-091916	9/19/2016	8:39	0-0.17'	Grayish brown, damp, topsoil, F SAND		Not Applicable	-	-	< 10	N	N	-
SS-135-0-0.17-091916	9/19/2016	9:01	0-0.17'	Brownish blk, damp, coal ash debris, slag, topsoil	FILL	Not Applicable	-	-	< 10	N	N	-
SS-136-0-0.17-091916	9/19/2016	9:30	0-0.17'	Brownish gray, damp, topsoil, F SAND		Not Applicable	-	-	< 10	N	N	-
SS-139-0-0.17-091916	9/19/2016	9:50	0-0.17'	Dusky brown, damp, topsoil, F SAND, SILT		Not Applicable	-	-	< 10	N	N	-
SS-140-0-0.17-091916	9/19/2016	10:07	0-0.17'	Olive blk, damp, F SAND, topsoil, coal ash debris	FILL	Not Applicable	-	-	< 10	N	N	-
SS-143-0-0.17-091916	9/19/2016	10:27	0-0.17'	Dusky yellowish brown, damp, topsoil, SILT, F SAND		Not Applicable	-	-	< 10	N	N	-
SS-146-0-0.17-091916	9/19/2016	10:55	0-0.17'	Grayish brown, damp, topsoil, F SAND, SILT		Not Applicable	-	-	< 10	N	N	-
SS-148-0-0.17-092016	9/20/2016	8:18	0-0.17'	Dusky yellowish brown, dry, F SAND, topsoil SILT, trace concrete	FILL	Not Applicable	-	-	< 10	N	N	-
SS-149-0-0.17-091916	9/19/2016	11:50	0-0.17'	Dusky brown, dry, F SAND, topsoil, cinders, gravel	FILL	Not Applicable	-	-	< 10	N	N	-
SS-150-0-0.17-091916	9/19/2016	11:18	0-0.17'	Dusky yellowish brown, damp, topsoil, SILT, gravel		Not Applicable	-	-	< 10	N	N	-
SS-152-0-0.17-091916	9/19/2016	12:59	0-0.17'	Dusky yellowish brown, damp, F SAND, cinders, topsoil	FILL	Not Applicable	-	-	< 10	N	N	-
SS-153-0-0.17-091916	9/19/2016	12:36	0-0.17'	Dk yellowish brown, damp, topsoil, F SAND, SILT		Not Applicable	-	-	< 10	N	N	-
Existing Surface Cover												
SS-110-1-2-092116	9/21/2016	10:50	1-2'	Brownish Blk, dry, F-M SAND, cinders, coal, gravel	FILL	Not Applicable	-	-	< 10	N	N	-
SS-113-1-2-092116	9/21/2016	10:18	1-2'	Dk yellowish brown, dry, F-M SAND, gravel, brick frags	FILL	Not Applicable	-	-	< 10	N	N	-
SS-117-1-1.5-092116	9/21/2016	11:36	1-1.5'	Brownish Blk, dry, F-M SAND, coal, ash, gravel, slag	FILL	Not Applicable	-	-	< 10	N	N	-
SS-118-1-2-092116	9/21/2016	12:59	1-2'	Mod yellowish brown, damp, topsoil, SILT, F SAND, trace coal		Not Applicable	-	-	< 10	N	N	-
SS-119-0-0.5-092116	9/21/2016	13:30	0-0.5'	Dusky Brown, dry, topsoil, SILT, F SAND, asphalt frags, gravel	FILL	Not Applicable	-	-	< 10	N	N	-
SS-120-0.5-1-092116	9/21/2016	14:18	0.5-1'	Grayish brown, dry, SILTS w/ F SAND, gravel, trace brick frag		Not Applicable	-	-	< 10	N	N	-
SS-122-1.5-2-092116	9/21/2016	14:50	1.5-2'	Brownish blk, lt brown mottling, F-M SAND, SILT, gravel, coal frag	FILL	Not Applicable	-	-	< 10	N	N	-
SS-124-1-2-092216	9/22/2016	8:25	1-2'	Dusky brown, damp, F-M SAND, gravel, glass frag	FILL	Not Applicable	-	-	< 10	N	N	-
SS-125-1-2-092216	9/22/2016	9:12	1-2'	Dusky brown, dry, F-M SAND, SILT, coal frag, gravel, metal debris	FILL	Not Applicable	-	-	< 10	N	N	-
SS-130-0.5-1.5-092216	9/22/2016	9:49	0.5-1.5'	Dusky yellowish brown, damp, SILT, F-M SAND, gravel, cinders, brick	FILL	Not Applicable	-	-	< 10	N	N	-
SS-132-1-1.5-092216	9/22/2016	10:25	1-1.5'	Dusky yellowish brown, damp, SILT, F-M SAND, brick, asphalt	FILL	Not Applicable	-	-	< 10	N	N	-
SS-133-1-2-092016	9/20/2016	15:12	1-2'	Dusky brown, dry, F SAND, SILT, ash/metal debris, gravel	FILL	Not Applicable	-	-	< 10	N	N	-
SS-137-1.5-2-092016	9/20/2016	15:46	1.5-2'	Mod yellowish brown, damp, F SAND, some olive gray F SAND		Not Applicable	-	-	< 10	N	N	-
SS-138-0.5-1-092016	9/20/2016	16:32	0.5-1'	Pale yellowish brown, damp, F SAND, SILT		Not Applicable	-	-	< 10	N	N	-
SS-141-1-2-092116*	9/21/2016	15:25	1-2'	Brownish blk, dry, activated carbon material	FILL	Not Applicable	-	-	< 10	N	N	-
SS-142-0.5-1.5-092116	9/21/2016	15:47	0.5-1.5'	Brownish blk, dry, F-M SAND, SILT, cinders/ash, brick frag, coal	FILL	Not Applicable	-	-	< 10	N	N	-
SS-144-0.5-1.5-092116	9/21/2016	8:13	0.5-1.5'	Pale yellowish brown, damp, SILT, F SAND		Not Applicable	-	-	< 10	N	N	-
SS-145-0.5-1.5-092116	9/21/2016	8:48	0.5-1.5'	Brownish blk, dry, coal ash debris, cinders	FILL	Not Applicable	-	-	< 10	N	N	-
SS-147-0.5-1.5-092116	9/21/2016	12:07	0.5-1.5'	Mod brown, damp, SILT, F SAND, ash/coal frags	FILL	Not Applicable	-	-	< 10	N	N	-
SS-151-0-0.5-092116	9/21/2016	9:24	0-0.5'	Mod yellowish brown, damp, topsoil, SILT, F SAND, trace coal		Not Applicable	-	-	< 10	N	N	-
Soil Borings - Subsurface Soil												
SB-100-9-10-031016	3/10/2016	11:25	9-10'	Brownish gray, wet, F-M SAND, some ash/cinders, some F gravel	FILL	8.7 to 12.8 ft	12.8	9-10'	< 10	N	N	16.8
SB-101-12.5-14-031016	3/10/2016	12:24	12.5-14'	Black, wet, F SAND, trace F gravel, petro odor		12.5 to 14 ft	9.2	9-14'	< 10	N	Petro	14.0
SB-102-4-6-082217	8/22/2017	11:06	4-6'	Mod. Yellowish brwn, wet, SAND, trace silt, , trace F subrnd gravel		1.4 to 6.1			< 10	N	N	7.5
SB-103-4.8-5.8-030416	3/4/2016	10:51	4.8-5.8'	Brownish black damp fine-medium SAND, brick and coal fragments, trace	FILL	4.8 ft to 5.8 ft	9.1	9.3-10.3'	< 10	N	N	20.0
SB-104-12-13-030316	3/3/2016	15:15	12-13'	Light olive gray saturated fine SAND, trace fine gravel		12 ft to 14 ft	4.5	6.1-6.8'	< 10	N	N	15.5
SB-105-11-12-031016	3/10/2016	13:37	11-12'	Black, damp, F SAND, little SILT, trace F gravel, slight sulfur odor		10.8 to 12 ft	4.6	10.8-12'	10 < X < 50	N	Sulfur	12.0
SB-106-5-6-030316	3/3/2016	14:20	5-6'	Olive black wet fine SAND, little SILT, little fine SAND, brick fragments, slight petroleum odor	FILL	4.7 ft to 6.1 ft	8.4	4.7-6.1'	< 10	N	Petro	18.3
SB-107-6-7-030316	3/3/2016	13:11	6-7'	Moderate brown wet fine SAND, trace SLAG/cinders, trace brick fragments, trace wood fragments	FILL	6 ft to 7.4 ft	8.65	8-10'	< 10	N	N	19.2
SB-108-5.8-6.4-030316	3/3/2016	12:20	5.8-6.4'	Olive black wet many coarse distinct black mottling, fine SAND, little SILT, trace fine gravel		5.8 ft to 6.4 ft	5.4	5.8-6.4'	< 10	slight iridescent	N	18.5
SB-109-8-9-030216	3/2/2016	15:15	8-9'	Olive black wet fine SAND, trace SILT		6.4 ft to 9.4 ft	6.4	4-5.4'	< 10	N	Petro	18.6
SB-110-1.5-2.5-031016	3/10/2016	14:35	1.5-2.5'	Mod. Yellowish brown, many coarse distinct dark yellowish orange mottling, SILT trace clay		1.1 to 4.6 ft		1.1-2.7	< 10	N	N	12.8
SB-111-6-7-031016	3/10/2016	15:00	6-7'	Pale yellowish brown, damp, F-M SAND, many med. Distinct, dk. Yellowish orange mottling, F gravel, hard		5.7 to 8.4 ft	0.3	0.3-2.8'	< 10	N	N	8.5
SB-112-0.5-2-082217 SB-112-0.5-2-090717	8/22/2017 9/7/2017	10:10 10:44	0.5-2'	Olive gray, damp, many F distinct mod. Brwn mottling, clayey SILT		0.4 to 5.35 ft			< 10	N	N	8
SB-113-1-2-031416*	3/14/2016	14:18	1-2'	Black, wet activated carbon/ M SAND	FILL	0.4 to 1.5ft	1.5	8.8-9.3	10 < X < 50	N	Petro	10.0
SB-113-4.5-6.5-031416	3/14/2016	9:08	4.5-6.5'	Pale brown, damp, SILT, trace clay, trace F gravel		4.5 to 8.8 ft	1.5	8.8-9.3	10 < X < 50	N	Petro	10.0
SB-114-2-2.5-030216	3/2/2016	13:35	2-2.5'	Light brown damp SILT, trace SAND, little distinct rust mottling		1.5 ft to 2.7 ft	8.5	1.5-2.7'	< 10	N	Petro	17.6
SB-115-5.6-6.7-030216	3/2/2016	13:20	5.6-6.7'	Grayish black damp SILT, trace clay, few brick fragments, trace fine SAND, chemical odor	FILL	5.6 ft to 6.7 ft	6.7	5.6-6.7'	< 10	N	Petro	16.0
SB-116-5.7-6.5-030216	3/2/2016	10:59	5.7-6.5'	Olive black damp SILT, trace fine SAND, petroleum odor common coarse distinct black mottling		5.7 ft to 6.5 ft	5.7	6.5-17'	< 10	N	Petro	17.0
SB-117-5.9-7-030216	3/2/2016	10:12	5.9-7'	Olive black damp SILT with little fine SAND, slight petroleum odor		5.9 ft to 7 ft	5.9	12-13.2'	< 10	N	Petro	15.4
SB-118-7-7.4-030216	3/2/2016	8:52	7-7.4'	Black wet fine-medium SAND, little SILT, thin layer moderate reddish brown SILT, brick fragments, cinders	FILL	5.5 ft to 7.4 ft	5.5	5.5-7.4'	< 10	N	Slight Chemical	16.0
SB-119-4.5-6-031116	3/11/2016	9:10	4.5-6'	Lt. Olive gray, damp, many coarse distinct dk. Yellowish orange mottling, clayey SILT		4.5 to 6 ft	4.5	0.7-1.8	< 10	N	N	10.5
SB-120-6.5-7.4-031416	3/14/2016	11:19	6.5-7.4'	Olive gray, wet, F SAND, some cinders/ash, trace black staining, slight petro odor		4.9 to 7.4 ft	7.4	0.75-1.6'	< 10	N	N	9.1
SB-121-2-2.5-031416	3/14/2016	12:22	2-2.5'	Black, damp, F SAND, little F gravel, slight		1.8 to 2.5 ft	1.8	1.8-2.5'	< 10	N	Petro	None, Ended @ 4'
SB-122-7-8-022916	2/29/2016	14:30	7-8'	Medium light gray many coarse distance moderate brown mottling SILT, fine SAND		5.2 ft to 8 ft	4.6	13-14'	< 10	N	Petro	15.0
SB-123-6-7-031416	3/14/2016	13:03	6-7'	Greenish gray, damp, many coarse faint dk yellowish orange mottling, F SAND, trace SILT, petro odor		4.9 to 7 ft	0.85	4.9-7'	10 < X < 50	N	Petro	8.5
SB-124-8-9-031116	3/11/2016	9:50	8-9'	Med. Dark gray, wet, common med. Faint pale yellowish brown mottling, Silt, trace clay, little F SAND, petro odor		5.8 to 12.8 ft	5.8	5.8-11.4'	> 100	Slight	Petro	13.3
SB-125-5-7-031416	3/14/2016	13:50	5-7'	Dk greenish gray, wet, common med faint dk yellowish orange mottling, little black staining, Clayey SILT		4.55 to 7 ft	4.55	1.2-1.8'	< 10	Slight	Petro	9.0
SB-126-1.5-2-031516	3/15/2016	8:45	1.5-2'	Olive black, wet, F-M SAND, little SILT, trace F gravel, petro odor		1.5 to 2.1 ft	1.5	1.5-2.1'	10 < X < 50	N	Petro	8.5
SB-127-10-11-031116	3/11/2016	10:45	10-11'	Med. Gray, damp, few coarse faint dk. Yellowish orange mottling, F SAND, trace SILT, petro odor		7 to 12.6 ft	5	7-11'	> 100	N	Petro	12.6
SB-128-6-6.5-031516	3/15/2016	9:28	6-6.5'	Lt olive gray, many coarse distinct olive black mottling, SILT, trace clay, trace wood & shell frag		5.8 to 6.7 ft	4.5	1-1.8'	< 10	N	N	10.0
SB-129-4.6-6.6-031516	3/15/2016	10:05	4.6-6.6'	Dk greenish gray, damp many coarse faint dk yellowish orange mottling, F SAND, little silt, petro odor, sheen		4.6 t o 6.6	0.7	4.6-6.6'	> 100	slight iridescent	Petro	9.0
SB-130-4-4.5-042216	4/22/2016	12:44	4-4.5'	Olive black, Wet FM SAND, little silt, F gravel, petroleum odor.		4ft to 4.5ft	0.8	4.5-5.4'	> 100	N	Petro	8.0
SB-131-8-10-031116	3/11/2016	11:41	8-10'	Med. Bluish gray, damp, many coarse faint dk yellowish orange mottling, SILT trace clay		7.2 to 10 ft	4.9	7.2-7.8'	50 < X < 100	N	N	12.0
SB-132-4.5-5-041516	4/15/2016	8:45	4.5-5	Greenish gray wet many course faint dark yellowish orange mottling,, F SAND, little slit, petroleum odor		4.2ft to 5.2ft.	1.1	4.2-5.2'	> 100	N	Petro	9.0
SB-133-4.5-5-041416	4/14/2016	14:40	4.5-5'	Olive black, wet, F SAND, little silt, some F Sub angular gravel, oily odor, slight sheen		4.5ft. To 5ft.	4.5	8-8.7'	10 < X < 50	Slight	Petro/Oily	9.0
SB-134-10-11-031516	3/15/2016	10:57	10-11'	Dk greenish gray, damp many coarse faint dk yellowish orange mottling, SILT, trace clay, petro odor, slight sheen		5.8 to 11.8 ft	5.1	5.1-5.8'	> 100	Slight	Petro	11.8
SB-135-8-9-041516	4/15/2016	11:53	8-9'	Greenish gray damp, many coarse dark yellowish, orange mottling SILT, trace clay petro odor.		8ft to 8.3ft.	4.6	8.3-9'	> 100	N	Petro	11.0
SB-136-5-7-031116	3/11/2016	12:30	5-7'	Greenish gray, many coarse distinct dk yellowish orange mottling, SILT, trace clay, petro odor			0.9	4-7'	> 100	N	Petro	13.0
SB-137-6-8-031116	3/11/2016	13:30	6-8'	Greenish gray, few fine faint yellowish orange mottling, F SAND, petro		6 to 9 ft	0.6	6-8'	> 100	N	Petro	9.0
SB-138-4-4.8-030116	3/1/2016	15:15	4-4.8'	Dark greenish gray wet fine SANDS, little SILT, trace brick fragments	FILL	4 ft to 4.8 ft	4.8	4-4.8'	> 100	N	N	12.0
SB-139-8-9.7-030116	3/1/2016	14:50	8-9.7'	Olive black wet fine SAND, some SILT, slight petroleum odor		8 ft to 9.7 ft	5.7	8-9.7'	< 10	N	Petro/Chem	13.2
SB-141-7-8-030116	3/1/2016	12:46	7-8'	Brownish gray wet many coarse distinct mottling/staining petroleum odor		5.5 ft to 8 ft	4.5	4.5-8'	> 100	N	Petro	14.3
SB-142-11-12-030116	3/1/2016	11:20	11-12'	Medium gray damp fine SANDS with SILT, trace CLAY, slight petroleum odor		11 ft to 13.2 ft	11	4-5'	50 < X < 100	N	Petro	13.2

Table 2 - Surface Soil, Existing Surface Cover, and Subsurface Soil Descriptions and Field Observations
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

Sample ID	Date Collected	Sample Time	Sample Interval	Sampled Material Simplified Description	Interval Layer	Interval Top & Bottom	Base of fill	Depth of Max PID Interval	Max PID Reading (ppm)	Sheen Present	Odor	Refusal Depth
SB-143-3-4-030116*	3/1/2016	9:56	3-4'	Black damp activated carbon material/medium SAND	FILL	0.7 ft to 4.85 ft	6.3	0.7-2.5'	< 10	N	N	22.0
SB-144-1-1.8-030116	3/1/2016	9:00	1-1.8'	Red brick fragments, moderate yellowish brown damp SILTS, little fine SAND, loose		0.6 ft to 1.8 ft	5.65	all low	< 10	N	N	18.0
SB-145-25.4-26.1-030916	3/9/2016	10:33	25.4-26.1'	Olive gray, saturated, F-M gravel, some F-M SAND (gravely SAND), loose		25.4 to 26.1 ft	9	4.6-5.9'	< 10	N	N	28.0
SB-146-6-8-030216	3/2/2016	12:00	6-8'	Medium gray damp many coarse distinct dark yellowish orange mottling SILT, trace clay		5.2 ft to 8 ft	5.2	5.2-8'	< 10	N	N	17.4
SB-147-10-11.4-042216	4/22/2016	9:25	10'-12'	Olive gray, F-M SAND (Slight sulfur order)		10ft. To 12ft.	4.45	6-7'	< 10	N	Petro	17.4
SB-148-8-9.2-040716	4/7/2016	9:49	8-9.2'	Olive gray, wet, many course faint dk. Yellowish orange mottling, F SAND, little SILT, slight sheen		8ft. To 9.2ft.	6.5	2.2-2.9'	< 10	slight iridescent	Petro	16.1
SB-149-4-5-040616*	4/6/2016	14:23	4-5'	Black, wet, activated carbon/ M SAND material	FILL	3.3ft. To 7.5ft.	8	6-10'	10 < X < 50	N	Petro	18.6
SB-149-10-11-040616	4/6/2016	14:45	10-11'	Lt. olive gray, wet, many coarse distinct dk. Yellowish orange mottling, SILT, trace CLAY, slight petro odor		10ft. To 13ft.	8	6-10'	10 < X < 50	N	Petro	18.6
SB-150-3-4-022916	2/29/2016	13:08	3-4'	Black fine SANDS, brick fragments, coal ash, slag fragments, some fine sub angular gravel	FILL	0.3 ft to 4 ft	8.4	8.4-10'	< 10	N	N	19.5
SB-151-16.6-17.2-030316	3/3/2016	9:20	16.6-17.2'	Light brownish gray wet fine-medium SAND, fine gravel		16.6 ft to 17.2 ft	5.1	4.2-4.6'	< 10	N	N	21.9
SB-152-6-7-030316	3/3/2016	10:05	6-7'				8.4	4.2-5.3'	< 10	N	Petro	19.2
SB-154-15-17-030316	3/3/2016	11:35	15-17'	Yellowish brown saturated fine-medium SAND, well graded		12 ft to 18.7 ft	7	1-2'	< 10	N	N	20.0
SB-155-2-3-031016	3/10/2016	10:00	2-3'	Dk. Yellowish brown, many coarse distinct dark yellowish orange mottling, SILT trace clay, trace F SAND		0.7 to 3 ft		4-4.5'	< 10	N	Petro	19.0
SB-156-16-17-030916	3/9/2016	15:08	16-17'	Pale yellowish brown, wet, F-M SAND, F-M gravel, hard, slight petro odor		16 to 17 ft	1	16-17'	< 10	N	Petro/ Sulfur	22.5
SB-157-20.5-21.5-030916	3/9/2016	13:48	20.5-21.5'	Olive gray, wet, SILT trace clay, trace F gravel, trace F SAND		20.5 to 21.6 ft	10.5	20.5-21.5'	< 10	N	N	None, Ended @ 28'
SB-158-16-17.5-030816	3/8/2016	15:20	16-17.5'	Olive gray, wet, M-C SAND, F gravel (gravely sand)		16 to 17.6 ft		1.1-2.2'	< 10	N	N	26.5
SB-159-17-18-030916	3/9/2016	9:03	17-18'	Grayish red, wet, Clayey SILT		17 to 18.2 ft		8-12'	< 10	N	N	23.8
SB-160-4-5-030916	3/9/2016	11:44	4-5'	Mod. Yellowish brown, damp, F SAND, poorly graded, loose, trace cinders, trace F gravel	FILL	0.6 to 10.7 ft	10.7	4-6.7'	< 10	N	N	None, Ended @ 28'
SB-161-24-26-030816	3/8/2016	14:10	24-26'	Pale brown, damp F-M SAND, F-M rounded gravel, hard		20.4 to 26 ft		19.1-19.6'	< 10	N	Petro	28.3
SB-162-19-20-030816	3/8/2016	12:19	19-20'	Grayish black wet fine-medium SAND, trace fine gravel		19 ft to 20.4 ft		15-15.6'	< 10	N	N	21.5
SB-163-13.5-16-030816	3/8/2016	11:15	13.5-16'	Light olive gray wet many coarse distinct dark yellowish orange mottling, fine SAND		13.4 ft to 17.5 ft	10.3	9.45-10.3'	< 10	N	N	22.3
SB-164-4-5.9-030716	3/7/2016	14:15	4-5.9'	Moderate yellowish brown damp fine SAND, poorly graded, trace fine		1.5 ft to 5.9 ft	1.5	4-5.9'	< 10	N	N	29.9
SB-165-22-23-030716	3/7/2016	11:30	22-23'	Olive gray wet fine-medium SAND, few wood fragments		22 ft to 23 ft	0.9	4-6.5'	< 10	N	N	26.8
SB-166-13-15-030816	3/8/2016	10:05	13-15'	Light olive gray with many coarse distinct dark yellowish orange mottling fine SAND, trace fine gravel		12.8 ft to 15.2 ft	12.8	4-6'	< 10	N	N	22.0
SB-167-18-19-030716	3/7/2016	10:15	18-19'	Olive gray damp with many coarse distinct dark yellowish orange mottling, fine SAND, trace SILT		17 ft to 20.4 ft	10.7	17-20'	> 100	N	N	24.5
SB-168-16-17-030816	3/8/2016	9:05	16-17'	Olive gray many coarse distinct black mottling, fine SAND, little SILT, slight petroleum odor		16 ft to 17 ft		16-17'	< 10	N	Petro	17.0
SB-169-16-17-030716	3/7/2016	9:20	16-17'	Olive gray wet fine SAND, petroleum odor		16 ft to 17.3 ft	9.8	16-20'	> 100	N	Petro	23.3
SB-170-16-16.8-022916	2/29/2016	11:15	16-16.8'	Olive gray few black mottling SILTS ith fine SAND, layers with fine-medium		12 ft to 16.8 ft	6.8	16-17.4'	< 10	N	N	17.4
SB-171-15-16-022916	2/29/2016	9:45	15-16'	Gray wet soft SILTS, trace fine SAND, petroleum odor		15 ft to 16 ft	1.4	15-20'	> 100	N	Petro	21.2
SB-172-8.8-9.6-082217 SB-172-8.5-9.7-090717	8/22/2017 9/7/2017	9:20 9:56	8.8-9.6' 8.5-9.7'	Lt. brownish gray, wet, F-M gravely SAND, F rnd gravel, slight petro odor		8.5 to 9.7 ft	5	4-5'	< 10	N	Petro	11.5
SB-173-12-15-082117 SB-173-12-15-090717	8/21/2017 9/7/2017	11:22 9:22	12-15'	Lt. olive gray, damp, many coarse distinct dk. Yellowish orange mottling, silty CLAY		12 to 15.1 ft	5.5		< 10	N	N	17.5
SB-174-12.5-15-082117 SB-174-12.5-15-090717	8/21/2017 9/7/2017	10:10 8:59	12.5-15'	Olive gray, wet, few coarse distinct dk. Yellowish orange mottling, clayey SILT, some sand		12.4 to 15 ft	8.7		< 10	N	N	none
SB-175-21-21.4-030716	3/7/2016	15:10	21-21.4'	Pale brown wet fine-medium SAND, fine-medium rounded gravel, slight petroleum odor		20.2 ft to 21.4 ft	9.5	4-6.7'	< 10	N	Petro	22.5
SB-176-6-7-041216	4/12/2016	10:42	6-7'	Light blue-ish gray, damp many coarse distinct dark yellowish orange mottling, SILT, trace clay, slight petroleum odor		6ft to 7.1ft.	2.2	2.5-2.9'	> 100	N	Petro	11.0
SB-177-5.5-6.5-031416	3/14/2016	10:40	5.5-6.5'	Lt Olive gray, many med faint dk yellowish orange mottling, little black staining, SILT trace clay, slight petro odor		5.4 to 6.6 ft	1.5	5.4-6.6'	< 10	N	N	9.2
SB-178-1.5-2-031416	3/14/2016	10:01	1.5-2'	Olive gray, damp, many coarse distinct dk. Yellowish brown mottling, SILT, some F gravel, trace F SAND,		1.3 to 2 ft	1.3	1.3-2'	< 10	N	N	10.5
SB-179-6.7-7-030416	3/4/2016	10:00	6.7-7'	Olive black wet fine SAND, trace SILT, trace fine gravel		6.2 ft to 7 ft	6.2	6.2-7'	< 10	N	N	18.8
SB-180-14-14.7-030416	3/4/2016	9:07	14-14.7'	Olive gray wet many coarse faint and yellowish brown mottling fine SAND, little SILT		13.4 ft to 14.7 ft	12.7	8-8.4'	< 10	N	Petro	21.5
SB-TP-111-0-0.6-082117	8/21/2017	10:26	0-0.6'	Dusky yellowish brown, damp, topsoil, some SAND		0 to 0.6 ft.			< 10	N	N	0.6
SB-TP-131-5-7-031516	42444	0.490972	5-7'	Olive black, wet, F-M SAND, some cinders, some F gravel, sheen, oily odor	FILL	4.6 to 9 ft	1/9/1900	9-10'	10 < X < 50	slight	Petro/Oily	10.5
SB-TP-139-12-14-030716*	42436	0.520833	12-14'	Moderate yellowish brown wet, fine SAND, poorly graded, trace fine gravel, trace activated carbon	FILL	8.9 ft to 14.6 ft	########	2.3-2.6'	< 10	N	N	26.5
SB-TP-144-4-6-030916	42438	0.525	4-6'	Mod. Yellowish brown, damp, F SAND, poorly graded, loose, trace cinders, trace F gravel	FILL	0.65 to 10.1 ft	########	4-6'	< 10	N	N	28
SB-TP-147-16-18-031016	42439	0.377778	16-18'	Olive gray, wet, F-C SAND, F-C gravel, hard, slight petro odor		16 to 20.5 ft		0.6-3'	< 10	N	Petro	22.8
Overburden Wells/Borings												
OVR-100-6-7-042216	4/22/2016	14:07	6-7'	Olive gray, wet, F-M SAND with silt, some cinders, little F rounded gravel, little red brick fragments, slight odor.	FILL	6ft to 7.1 ft.	7.1	6-7'	10 < X < 50	N	Petro	11.0
OVR-107-10-11-041216	4/12/2016	13:20	10-11'	Greenish gray, wet, many coarse dark yellowish orange mottling, silt, trace clay, petroleum odor.		10 Ft to 11.2 ft.	1.2	7-7.7'	>100	N	Petro	12.0
OVR-108-4.1-5.4-041316	4/13/2016	9:15	4.1-5.4'	Light Olive gray, damp, many coarse distinct dark yellowish orange mottling, SILT, trace clay, tree roots		4.1 ft to 5.4 ft.	2.2	6.8-7.2'	>100	N	Petro	12.1
OVR-109-10-11.8-041116	4/11/2016	12:10	10-11.8'	Greenish gray, we many courses, faint dark yellowish orange mottling, F SAND, little SILT, petroleum odor		10 Ft to 12ft.	6.3	10-11.8'	>100	N	Petro	15.0
OVR-116-10-11.9-040116	4/1/2016	12:03	10-11.9'	Olive gray, wet many coarse distinct dark yellowish orange mottling, F SAND, some silt, trace F Sub rounded gravel		10ft to 11.9 ft.		12-13'	< 10	N	N	19.4
OVR-117-7-7.6-040716	4/7/2016	13:00	7-7.6'	Greenish black (5 GY 2/1) damp tar like substance, hard, strong chemical odor	FILL	6.8ft to 7.6ft.	12.4	6.8-12.4	> 100	N	Chemical	15.8
OVR-118-0.5-1-042216	4/13/2016	11:30	0.5-1	Mod. Yellowish brown, damp, FM SAND, little coal fragments, tree, rusty metal debris, trace F Sub rounded gravel	FILL	0.2ft. To 0.9ft.	5.1	0.2-0.9	< 10	N	Sulfur	9.5
Test Pits												
TP-100-2-4-012116	1/21/2016	10:45	2-4'	Strong brown silty SAND, brick fragments - FILL	FILL	1 to 3 ft.	9.9	NA	< 10	N	N	NA
TP-101-2-4-012116	1/21/2016	14:00	2-4'	Black ash - FILL	FILL	1 to 3.4 ft.	11.4	NA	< 10	N	N	NA
TP-102-0-2-012216	1/22/2016	10:30	1-3'	Black ash, tree roots, moist - FILL	FILL	1 to 7.5 ft.	7.5	NA	< 10	N	N	NA
TP-103-0-2-012116	1/21/2016	15:00	0-2'	trace roots, some yellowish brown silty fine SAND, very dark grayish brown moist fine SAND, and coarse subangular gravel, scattered twisted rebaor, moist - FILL		0 to 2 ft.	8.5	NA	< 10	N	N	NA
TP-104-0-2-012216	1/22/2016	9:15	0-2'	Brown fine sand and coarse subangular gravel, rocks, brick fragments, street curbing?, white ash, tree roots, moist - FILL	FILL	0.5 to 8.5 ft.	8.5	NA	< 10	N	N	NA
TP-105-4.5-6.5-012216	1/22/2016	11:30	4.5-6.5'	Dark reddish brown fine SILT and SAND, trace gravel, brick fragments, tree roots, moist - FILL		4.5 to 6 ft.	6.3	NA	< 10	N	N	NA
TP-106-1.5-4-012216	1/22/2016	13:15	1.5-4'	Black ash, trace brick fragments and rust colored slag chunks, smearing of grayish redddish orange ash - FILL	FILL	1.5 to 4 ft.	7	NA	< 10	N	N	NA
TP-107-0-2-012216	1/22/2016	14:30	0-2'	Tires, roots, bricks, brick fragments, railroad ties, broken glass bottles, white ash, mixed with Black SAND and SILT - FILL	FILL	0 to 2 ft.	4	NA	< 10	N	Sulfur	NA
TP-108-0-1.5-012516	1/25/2016	13:20	0-1.5'	Black topsoil, some roots, coal ash debris - FILL	FILL	0 to 1.5 ft.	1.5	NA	< 10	N	N	NA
TP-109-4-4.5-012516*	1/25/2016	10:40	4-4.5'	Black ash/Black medium SAND (coffee ground like material) - FILL	FILL	0.5 to 4.5 ft.	4.5	NA	< 10	N	N	NA
TP-110-1.5-2-012516	1/25/2016	11:32	1.5-2'	Black smear layer, SILTs, trace find SAND, gravel, coal - FILL	FILL	1.5 to 2 ft	7.5	NA	< 10	N	N	NA
TP-112-3.5-4-012516	1/25/2016	14:10	3.5-4'	Black ash, fill layer above CLAY	FILL	3.5 to 4 ft.	3.5	NA	< 10	N	N	NA
TP-113-1.5-2-012516	1/25/2016	15:04	1.5-2'	Thin tan SAND layer, dark yellowish brown SILTs, little CLAY		1.5 to 2 ft	2	NA	< 10	N	N	NA
TP-114-4-5-012616	1/26/2016	9:09	4-5'	Dark grayish brown SILTS with little SLAY, soft - NATIVE		4 to 6 ft.	4	NA	< 10	N	N	NA
TP-115-4-5-012616	1/26/2016	9:59	4-5'	Brown gravel, ash - FILL	FILL	2 to 4 ft.	4	NA	< 10	N	N	NA
TP-116-7-8-011516	1/15/2016	13:45	7-8'	Very dark gray SILTS, little CLAY, soft, wet - assumed NATIVE - Fuel odor		4 to 8 ft.	2	NA	10 < X < 50	N	Petro	NA
TP-117-1.5-2-011516	1/15/2016	11:31	1.5-2'	Dark brown topsoil, bricks, leaf litter, ash, brick fragments - FILL (above	FILL	Lens of fill 1.5 -2 ft, within 0 to 3 ft.	3	NA	< 10	N	N	NA
TP-118-3.5-4-011516	1/15/2016	10:24	3.5-4'	Ash, debris, black medium SAND - FILL	FILL	2.5 to 4 ft.	4	NA	< 10	N	N	NA
TP-119-5-6-012616	1/26/2016	10:40	5-6'	Very dark gray CLAY with cinders/ash material - FILL (petroleum odor &	FILL	4 to 7 ft.	7	NA	> 100	Sheen	Petro	NA
TP-120-4-4.5-012616	1/26/2016	13:25	4-4.5'	Dark gray CLAY, little SILT, damp, on top of concrete slab - FILL	FILL	4 to 5 ft.	5	NA	< 10	N	N	NA
TP-121-8-8.5-012616	1/26/2016	11:45	8-8.5'	Very dark gray SILTs with some fine SAND - NATIVE (petroleum odor)		CLAY 2-8, SAND/SILT 8-8.5 ft	2	NA	> 100	N	Petro	NA
TP-122-7-8-012716	1/27/2016	9:08	7-8'	Very dark gray SILTS, little CLAY - assumed NATIVE (little black staining)		3 to 8 ft.	3	NA	< 10	N	N	NA
TP-123-4.5-5-012616	1/26/2016	14:24	4.5-5'	Very dark gray CLAY, little SILTY SAND - petroleum odor		2.5 to 5 ft.	2.5	NA	> 100	N	Petro	NA
TP-124-7.5-8-012616	1/26/2016	15:10	7.5-8'	Very dark gray CLAY, little SILTY SAND, fine rounded gravel - Assumed NATIVE/ petro sheen/odor		2 to 8 ft.	2	NA	> 100	Slight	Petro	NA
TP-125-3-4-012716	1/27/2016	10:58	3-4'	Strong brown SILTS with fine SAND, coal ash, damp - FILL	FILL	2.5 to 4.5 ft	4.5	NA	10 < X < 50	N	Petro	NA
TP-126-2-3-012716	1/27/2016	10:00	2-3'	Very dark gray SILTS, little CLAY, soft, saturated - assumed NATIVE - Petroleum odor		3 to 8 ft.	3	NA	50 < X < 100	N	Petro	NA
TP-127-8-8.5-012716	1/27/2016	11:50	8-8.5'	Very dark gray SILTS, some fine rounded gravel, petroleum odor/sheen		4.5 to 8.5 ft.	4.5	NA	< 10	Sheen	Petro	NA
TP-128-5-6-012716	1/27/2016	14:07	5-6'	Very dark gray SILTS, little CLAY, mottled with blue/cream debris - FILL	FILL	5 to 7 ft.	7	NA	> 100	Sheen	Petro	NA
TP-129-4-4.5-012816	1/28/2016	14:00	4-4.5'	Gray SILTS, some fine SAND - strong solvent odor (sandwiched between petroleum odor)		3.5 to 6 ft.	3.5	NA	> 100	N	Petro/ Solvent	NA
TP-130-9.5-10-012816	1/28/2016	9:28	9.5-10'	Black coal ash & sub angular gravel (slight sheen) - FILL	FILL	8 to 10 ft.	10	NA	< 10	Slight	Petro	NA
TP-132-3-3.5-012816	1/28/2016	10:24	3-3.5'	Dark brown topsoil bricks, concrete slab -black SILTS	FILL	0 to 3.5, concrete slab @3'	11	NA	< 10	Slight	Petro	NA
TP-133-6.5-7-012716	1/27/2016	14:57	6.5-7'	Very dark Gray CLAY, some SILT, soft, wet, slight petroleum odor - NATIVE		6.5 to 8.5 ft.	6.5	NA	50 < X < 100	N	Petro	NA
TP-134-5-6-012816	1/28/2016	11:28	5-6'	Very dark gray SILTs, little CLAY, trace fine SAND		4 to 7.5 ft.	4	NA	> 100	N	Petro	NA
TP-135-2-3-012916	1/29/2016	12:17	2-3'	Dark yellowish brown SILTs, some fine SAND, coal ash debirs -FILL	FILL	2 to 4 ft.	4	NA	< 10	N	N	NA
TP-136-8-8.5-012916	1/29/2016	13:02	8-8.5'	Very dark gray SILTS, little sand, trace CLAY - NATIVE		8 to 8.5 ft.		NA	< 10	N	N	NA

Table 2 - Surface Soil, Existing Surface Cover, and Subsurface Soil Descriptions and Field Observations
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

Sample ID	Date Collected	Sample Time	Sample Interval	Sampled Material Simplified Description	Interval Layer	Interval Top & Bottom	Base of fill	Depth of Max PID Interval	Max PID Reading (ppm)	Sheen Present	Odor	Refusal Depth
TP-137-9.5-10-012916	1/29/2016	13:40	9.5-10'	Very dark gray SILTS, little CLAY, samp, soft - petroleum odor		9 to 10		NA	10 < X < 50	N	Petro	NA
TP-138-5-6-011516	1/15/2016	15:00	5-6'	Dark gray SILTS, saturated, little SAND - assumed NATIVE - Petroleum Odor		4.5 to 6 ft. under GRAVELY SAND	4.5	NA	> 100	N	Petro	NA
TP-140-2.5-3-011416*	1/14/2016	14:08	2.5-3'	Black medium SAND (coffee ground like material) - FILL	FILL	thin layer 2.5 to 3 ft.	5.8	NA	< 10	N	N	NA
TP-141-4-5-011416	1/14/2016	13:04	4-5'	Black ash material, bricks, wood debris - FILL	FILL	3 to 6.5 ft.	6.5	NA	< 10	N	N	NA
TP-142-0-1-011516	1/15/2016	9:24	0-1'	Black topsoil with SAND, brick fragments - FILL	FILL	0 to 2 ft.	3.8	NA	< 10	N	N	NA
TP-143-4-6.5-011416	1/14/2016	9:55	4-6.5'	Black ash material, some medium SAND, brick/brick fragments, metal, piping - FILL	FILL	4 to 6.5 ft.	6.5	NA	< 10	N	Tar Like	NA
TP-145-5-6-012916	1/29/2016	14:35	5-6'	Very dark gray SILTS, some fine SAND		5 to 8 ft.		NA	< 10	N	N	NA
TP-146-6-8-011316	1/13/2016	14:56	6-8'	Black ash material, brick fragments - FILL	FILL	6.5 to 8 ft.	8	NA	< 10	N	N	NA
TP-148-2-2.5-012516	1/25/2016	9:25	2-2.5'	SAND layer under concrete slab, concrete fragments - FILL	FILL	2 to 2.5 ft.	2.5	NA	< 10	N	N	NA
TP-149-6-8-011416*	1/14/2016	11:00	6-8'	Black medium SAND (coffee ground like material) - FILL	FILL	5.7 to 8 ft.	8	NA	< 10	N	N	NA
TP-150-4-6-011316*	1/13/2016	13:40	4-6'	Black ash/Black medium SAND (coffee ground like material) - FILL	FILL	2.9 to 6 ft.	6	NA	< 10	N	Petro	NA
TP-151-2-4-011316	1/13/2016	12:15	2-4'	Dark brown topsoil, SILT, black ash & brick - FILL	FILL	0 to 4 ft.	9	NA	< 10	N	Petro	NA
TP-152-2.5-3-012916	1/29/2016	10:20	2.5-3'	Dark brown SILTS mottled with coal ash, cinders, fine subrounded GRAVEL,		2.5 to 3 ft	3	NA	10 < X < 50	Slight	Petro	NA

Notes:
Locations without analytical sample(s) collected are not shown.

Table 3 - Well Construction and Groundwater Elevations
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

Well ID	Northing	Easting	UTM N	UTM E	Concrete Pad Elevation	Top of Riser Elevation	Screen Interval	Slot Size	Filter Pack	Sand Pack Interval	Seal	Seal Interval	Well Depth	Purpose	Round 1 Depth to Water		Round 2 Depth to Water		Depth to Water 8/22/17)	Status
					(ft amsl)	(ft amsl)	(ft bgs)	(in.)	Type	(ft bgs)	Type	(ft bgs)	(ft bgs)		(ft btoc)	(ft amsl)	(ft btoc)	(ft amsl)	(ft btoc)	
OVR-100	1144499.736	1405239.022	4779367.96831	286864.46168	511.43	513.72	3 -11	0.020	WG #0 Sand	2.5 -11	Bentonite	2 - 2.5	11	RI	9.2	504.52	7.62	506.10	NM	Active
OVR-101	1144317.789	1405086.357	4779314.54345	286815.59329	508.36	510.77	3 - 8	0.020	WG #0 Sand	2.5 - 8	Bentonite	2 - 2.5	8	RI	5.85	504.92	4.86	505.91	NM	Active
OVR-102	1144286.294	1405357.445	4779301.41738	286897.74700	512.70	515.48	4.5 - 14.5	0.020	WG #0 Sand	3.5 - 14.5	Bentonite	3 - 3.5	14.5	RI	9.65	505.83	9.2	506.28	NM	Active
OVR-103	1144022.011	1405129.258	4779223.90020	286824.80391	512.63	514.68	3 - 16	0.020	WG #0 Sand	2.5 - 16.1	Bentonite	2 - 2.5	16.1	RI	9.02	505.66	8.71	505.97	NM	Active
OVR-104	1143749.526	1404953.187	4779143.20554	286767.62669	511.71	514.01	3.4 - 17.4	0.020	WG #0 Sand	2.5 -17.4	Bentonite	2 - 2.5	17.4	RI	8.43	505.58	7.95	506.06	NM	Active
OVR-105	1144456.074	1405462.445	4779351.75789	286931.93961	515.95	518.19	5.8 - 15.8	0.020	WG #0 Sand	4 - 15.8	Bentonite	3.5 - 4	15.8	RI	11.04	507.15	10.58	507.61	NM	Active
OVR-106	1144384.328	1405333.889	4779331.58228	286891.85055	511.77	514.16	3 - 12.5	0.020	WG #0 Sand	2.5 - 12.5	Bentonite	2 - 2.5	12.5	RI	8.18	505.98	7.65	506.51	NM	Active
OVR-107	1144332.145	1405170.393	4779317.82036	286841.37496	511.47	513.59	3 - 12	0.020	WG #0 Sand	2.5 - 12	Bentonite	2 - 2.5	12	RI	9.9	503.69	6.65	506.94	NM	Active
OVR-108	1144193.662	1405065.253	4779277.01364	286807.54767	511.57	513.84	3.1 - 12.1	0.020	WG #0 Sand	3.1 - 12.1	Bentonite	2 - 2.5	12.1	RI	11.13	502.71	7.19	506.65	NM	Active
OVR-109	1144233.373	1405233.156	4779286.91959	286859.20291	514.57	517.06	3 - 15	0.020	WG #0 Sand	2.5 - 15	Bentonite	2 - 2.5	15	RI	10.03	507.03	9.71	507.35	NM	Active
OVR-110	1144186.323	1405367.501	4779270.83851	286899.50655	516.22	518.60	3.5 - 18.5	0.020	WG #0 Sand	3 - 18.5	Bentonite	2.5 - 3	18.5	RI	12.76	505.84	12.67	505.93	NM	Active
OVR-111	1144124.725	1405184.611	4779254.46188	286843.00148	512.91	515.26	3 - 14	0.020	WG #0 Sand	2.5 - 14	Bentonite	2 - 2.5	14	RI	9.68	505.58	9.36	505.90	NM	Active
OVR-112	1144027.016	1404948.631	4779227.77908	286769.85623	511.18	513.62	3 - 12	0.020	WG #0 Sand	2.5 - 12.2	Bentonite	2 - 2.5	12.2	RI	10.74	502.88	7.37	506.25	NM	Active
OVR-113	1143952.264	1405003.665	4779204.29474	286785.64333	512.70	515.18	3.8 - 14.8	0.020	WG #0 Sand	3 - 14.8	Bentonite	2 -3	14.8	RI	10.24	504.94	9.5	505.68	NM	Active
OVR-114	1143926.092	1405243.006	4779193.20377	286858.19739	518.06	520.38	4.2 - 22.2	0.020	WG #0 Sand	2.2 - 22.2	Bentonite	2 - 2.5	22.3	RI	14	506.38	14.35	506.03	NM	Active
OVR-115	1143751.933	1405205.515	4779140.64951	286844.50870	516.84	519.47	4.2 - 24.2	0.010	00N Sand	3.5 - 24.2	Bentonite	2.5 - 3.5	24.3	RI	13.15	506.32	13.67	505.80	NM	Active
OVR-116	1143638.017	1405139.637	4779106.81325	286822.95958	517.45	519.82	3.4 - 19.4	0.010	00N Sand	3.5 - 19.4	Bentonite	2 - 2.5	19.4	RI	13.35	506.47	13.69	506.13	NM	Active
OVR-117	1143807.262	1404893.106	4779161.57315	286750.08063	514.47	516.78	3.8 - 15.8	0.010	00N Sand	3 - 15.8	Bentonite	2 -3	15.8	RI	11.2	505.58	10.55	506.23	NM	Active
OVR-118	1143934.707	1404751.113	4779202.23955	286708.49558	510.83	513.17	3 - 9.5	0.010	00N Sand	2.5 - 9.5	Bentonite	2 - 2.5	9.5	RI	7	506.17	5.92	507.25	NM	Active
OVR-119	1143733.902	1404886.843	4779139.31179	286747.21687	512.32	514.91	3.1 - 16.1	0.010	00N Sand	2.5 - 16.1	Bentonite	2 - 2.5	16.1	RI	9.16	505.75	8.53	506.38	NM	Active
OVR-120	1143670.257	1404855.073	4779120.34178	286736.71118	514.19	516.44	3.2 - 18.2	0.010	00N Sand	3 - 18.2	Bentonite	2 -3	18.6	RI	10.88	505.56	9.27	507.17	NM	Active
OVR-121	1143392.994	1404957.796	4779034.55776	286764.38305	517.29	519.70	4 - 29	0.010	00N Sand	3 - 29	Bentonite	2 -3	29	RI	11.14	508.56	10.58	509.12	NM	Active
OVR-122	1143597.338	1404802.172	4779098.82266	286719.64880	514.16	516.41	3.4 - 17.4	0.010	00N Sand	3 - 17.4	Bentonite	2 -3	17.4	RI	8.69	507.72	8.18	508.23	NM	Active
OVR-123	1143741.247	1404630.308	4779144.89280	286669.18062	509.68	511.91	3 - 10	0.010	00N Sand	2.5 - 10	Bentonite	2 - 2.5	10	RI	6.43	505.48	5.55	506.36	NM	Active
OVR-124	1143562.332	1404700.136	4779089.49104	286688.11574	515.67	518.05	4.8 - 18.8	0.010	00N Sand	3 - 18.9	Bentonite	2 -3	18.9	RI	10.25	507.80	9.62	508.43	NM	Active
OVR-125	1143417.960	1404741.264	4779044.98404	286698.76007	515.76	518.14	5 - 21	0.010	00N Sand	3 - 21.1	Bentonite	2 -3	21.1	RI	10.08	508.06	9.32	508.82	NM	Active
OVR-126	1143293.389	1404748.140	4779006.95424	286699.23050	520.03	522.46	8 - 28	0.020	WG #0 Sand	6 - 28	Bentonite	4 - 6	28	RI	13.19	509.27	13.02	509.44	NM	Active
OVR-127	1143361.058	1404539.037	4779030.28960	286636.42675	518.16	520.55	4.7 - 18.7	0.010	00N Sand	3.5 - 18.7	Bentonite	2 - 3.5	18.7	RI	12.17	508.38	11.4	509.15	NM	Active
OVR-128	1143374.279	1404278.103	4779037.71752	286557.12723	514.84	517.20	5.5 - 15.5	0.010	00N Sand	4 - 15.5	Bentonite	2 - 4	15.5	RI	10.61	506.59	9.2	508.00	NM	Active
OVR-129	1143185.805	1403965.136	4778984.39403	286459.35107	523.27	525.57	4.9 - 16.9	0.010	00N Sand	3 - 16.9	Bentonite	2 -3	16.9	RI	12.42	513.15	12.16	513.41	NM	Active
OVR-130	1144412.876	1405157.063	4779342.58206	286838.36746	509.46	511.81	3 -9	0.020	WG #0 Sand	2.5 - 9	Bentonite	2 - 2.5	9	RI	7.09	504.72	6.01	505.80	NM	Active
OVR-131	1144524.803	1405241.112	4779375.57563	286865.42499	511.56	513.87	3 - 11	0.020	WG #0 Sand	2.5 - 11	Bentonite	2 - 2.5	11	RI	9.01	504.86	8.2	505.67	NM	Active
OVR-132	1144449.250	1405265.451	4779352.24746	286871.85295	510.82	513.28	3 - 11	0.020	WG #0 Sand	2.5 - 11	Bentonite	2 - 2.5	11	RI	8.09	505.19	5.93	507.35	NM	Active
BED1-100	1144498.848	1405248.838	4779367.56990	286867.43973	511.18	512.70	18 - 23	0.020	WG #0 Sand	16 - 23	Bentonite-Grout	0 - 16	23	RI	4.17	508.53	3.85	508.85	NM	Active
BED1-101	1144311.025	1405084.059	4779312.51332	286814.80522	508.11	510.20	15.1 -20.1	0.020	WG #0 Sand	13 - 20.1	Bentonite-Grout	0 - 13	20.1	RI	1.7	508.50	1.34	508.86	NM	Active
BED1-102	1144295.203	1405364.918	4779304.03335	286900.13915	513.50	514.98	22.5 - 27.5	0.020	WG #0 Sand	20.5 - 27.5	Bentonite-Grout	0 - 20.5	27.5	RI	6.52	508.46	6.19	508.79	NM	Active
BED1-103	1144006.762	1405124.130	4779219.32271	286823.04331	512.39	514.74	22.5 - 27.5	0.020	WG #0 Sand	20 - 27.5	Bentonite-Grout	0 - 20	27.5	RI	6.45	508.29	6.08	508.66	NM	Active

Table 3 - Well Construction and Groundwater Elevations
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

Well ID	Northing	Easting	UTM N	UTM E	Concrete Pad Elevation (ft amsl)	Top of Riser Elevation (ft amsl)	Screen Interval (ft bgs)	Slot Size (in.)	Filter Pack Type	Sand Pack Interval (ft bgs)	Seal Type	Seal Interval (ft bgs)	Well Depth (ft bgs)	Purpose	Round 1 Depth to Water (ft btoc)	Round 1 Depth to Water (ft amsl)	Round 2 Depth to Water (ft btoc)	Round 2 Depth to Water (ft amsl)	Depth to Water 8/22/17) (ft btoc)	Status
BED1-104	1143738.057	1404955.774	4779139.67874	286768.26511	512.03	513.74	23.9 - 28.9	0.020	WG #0 Sand	21.9 - 28.9	Bentonite-Grout	0 - 21.9	28.9	RI	3.42	510.32	3.29	510.45	NM	Active
MW-3	1144095.65	1404885.62	4779249.50406	286751.55986	510.12	511.95	2 - 6	0.010	Choke Sand - 001	1.5 - 6	Cement-Bentonite	1 - 1.5	6.00	NYSDEC	5.97	505.98	4.82	507.13	NM	Active
GW-101*	*1143728.469*	*1404498.668*	4779142.71699	286628.92089	Not surveyed	Not surveyed	3 - 8	0.010	00N Sand	2 - 8	Bentonite	0.5 - 3	8	RI	NM	NA	NM	NA	2.65	Temporary - Decommissioned
GW-102*	*1143800.364*	*1404559.578*	4779163.81985	286648.40922	Not surveyed	Not surveyed	2.5 - 7.5	0.010	00N Sand	1.5 - 7.5	Bentonite	0.5 - 1.5	7.5	RI	NM	NA	NM	NA	6.78	Temporary - Decommissioned
GW-103*	*1143619.787*	*1404493.844*	4779109.67894	286626.03498	Not surveyed	Not surveyed	4.5 - 11.5	0.010	00N Sand	3.5 - 11.5	Bentonite	0.5 - 3.5	11.5	RI	NM	NA	NM	NA	5.47	Temporary - Decommissioned
GW-104*	*1143442.166*	*1404205.117*	4779059.34503	286535.78301	Not surveyed	Not surveyed	12.5 - 17.5	0.010	00N Sand	11.5 - 17.5	Bentonite	1.0 - 11.5	17.5	RI	NM	NA	NM	NA	11.91	Temporary - Decommissioned
GW-105*	*1143437.666*	*1404184.223*	4779058.24683	286529.36073	Not surveyed	Not surveyed	11 - 16	0.010	00N Sand	9 - 16	Bentonite	1.5 - 9	16	RI	NM	NA	NM	NA	9.3	Temporary - Decommissioned
GW-106*	*1143216.612*	*1403965.937*	4778993.76639	286459.99659	Not surveyed	Not surveyed	11 - 16	0.010	00N Sand	10 - 16	Bentonite	1.5 - 10	16	RI	NM	NA	NM	NA	11.5	Temporary - Decommissioned
GW-107*	*1143187.375*	*1403873.555*	4778986.06594	286431.47896	Not surveyed	Not surveyed	11 - 16	0.010	00N Sand	10 - 16	Bentonite	1.5 - 10	16	RI	NM	NA	NM	NA	11.88	Temporary - Decommissioned
GW-108*	*1143173.886*	*1403825.255*	4778982.58721	286416.59254	Not surveyed	Not surveyed	11 - 16	0.010	00N Sand	10 - 16	Bentonite	1.5 - 10	16	RI	NM	NA	NM	NA	16.18	Temporary - Decommissioned

NOTES:
ft amsl - feet above mean sea level
ft bgs - feet below ground surface
- feet below top of casing
Horizontal Datum: NAD 1983 State Plane New York West
ID - identification
in. - inches
NA - Not Available
RI - Remedial Investigation
NM = Not measured
* = Temporary groundwater grab points were collected via GPS.

Table 4 - Hydraulic Conductivity Test Results
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

Location ID	Date Installed	Well Depth (ft)	Screened Length (ft)	Well Diameter (inch)	Top of Screen Depth (ft)		Bottom of Screen Depth (ft)	Geologic Unit Screened	Date of Slug Test	Hydraulic Conductivity Slug Tests: Estimated Hydraulic Conductivity, Rising Head (cm/sec)	Rising Head (ft/d)	Falling Head (cm/sec)	Falling Head (ft/d)	Geometric Mean (cm/sec)	Geometric Mean (ft/d)
BED1-100	4/28/2016	23.75	5	2	19.7	-	24.7	Bedrock	10/19/16	1.64E-03	4.68	1.62E-03	4.62	1.63E-03	4.65
BED1-101	4/27/2016	21.72	5	2	17.3	-	22.3	Bedrock	10/19/16	1.15E-02	32.9	1.06E-02	30.4	1.11E-02	31.6
BED1-102	4/25/2016	28.92	5	2	24.2	-	29.2	Bedrock	10/19/16	8.67E-02	247.6	NA	NA	8.67E-02	247.6
BED1-103	4/26/2016	29.8	5	2	25.0	-	30.0	Bedrock	10/19/16	8.42E-03	24.06	9.37E-03	26.77	8.88E-03	25.38
BED1-104	4/26/2016	30.35	5	2	25.9	-	30.9	Bedrock	10/18/16	3.85E-04	1.1	3.66E-04	1.0	3.75E-04	1.1
OVR-102*	3/30/2016	17.13	10	2	7.3	-	17.3	Overburden	10/18/16	2.49E-04	0.7	NA	NA	2.49E-04	0.7
OVR-106*	4/12/2016	14.75	9.5	2	5.4	-	14.9	Overburden	10/20/16	4.47E-04	1.3	NA	NA	4.47E-04	1.3
OVR-107*	4/12/2016	13.93	9	2	5.3	-	14.3	Overburden	10/19/16	3.77E-05	0.1	NA	NA	3.77E-05	0.1
OVR-111*	4/11/2016	14.78	11	2	5.4	-	16.4	Overburden	10/19/16	4.97E-03	14.2	NA	NA	4.97E-03	14.2
OVR-113*	4/8/2016	16.06	11	2	6.3	-	17.3	Overburden	10/19/16	7.35E-03	21.0	NA	NA	7.35E-03	21.0
OVR-115*	4/1/2016	25.8	20	2	6.8	-	26.8	Overburden	10/18/16	6.04E-04	1.7	NA	NA	6.04E-04	1.7
OVR-123*	4/13/2016	11.98	7	2	6.3	-	17.3	Overburden	10/19/16	9.80E-04	2.80	NA	NA	9.80E-04	2.8
OVR-125*	4/4/2016	22.65	16	2	7.4	-	23.4	Overburden	10/18/16	6.49E-03	18.55	NA	NA	6.49E-03	18.55
OVR-129*	4/5/2016	19.2	12	2	7.2	-	19.2	Overburden	10/19/16	9.73E-02	278.0	NA	NA	9.73E-02	278.0
OVR-131*	4/15/2016	12.85	8	2	5.4	-	13.4	Overburden	10/20/16	1.48E-02	42.4	NA	NA	1.48E-02	42.4
MW-3*	NA	8.02	4	2	4.3	-	8.3	Overburden	10/18/16	5.02E-03	14.336	NA	NA	5.02E-03	14.34

Notes:
* - Only rising test performed
NA - Not Available

Table 5A - Surface Soil Results Compared to Restricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

			Sample Location	SS-100	SS-101	SS-102	SS-103
			Sample ID	SS-100-0-0.17-092016	SS-101-0-0.17-092016	SS-102-0-0.17-092016	SS-103-0-0.17-092016
			Sample Date	9/20/2016	9/20/2016	9/20/2016	9/20/2016
			Unit	µg/kg	µg/kg	µg/kg	µg/kg
			Lab SDG	R1609909	R1609909	R1609909	R1609909
			Start Depth	0	0	0	0
			End Depth	0.17	0.17	0.17	0.17
Chemical Name	**CAS #**	**NY Part 375 Residential SCO[1]**	**NY Part 375 Restricted Residential SCO[1]**				
VOCs							
1,1,1-Trichloroethane	71-55-6	100,000	100,000	13 U	4.9 U	5.1 U	6.4 U
1,1,2,2-Tetrachloroethane	79-34-5	35000[CP]	NC	13 U	4.9 U	5.1 U	6.4 U
1,1,2-Trichloroethane	79-00-5	NC	NC	13 U	4.9 U	5.1 U	6.4 U
1,1-Dichloroethane	75-34-3	19,000	26,000	13 U	4.9 U	5.1 U	6.4 U
1,1-Dichloroethene	75-35-4	100,000	100,000	13 U	4.9 U	5.1 U	6.4 U
1,2,3-Trichlorobenzene	87-61-6	NC	NC	13 U	4.9 U	5.1 U	6.4 U
1,2,4-Trichlorobenzene	120-82-1	NC	NC	13 U	4.9 U	5.1 U	6.4 U
1,2,4-Trimethylbenzene	95-63-6	47,000	52,000	13 U	4.9 U	5.1 U	6.4 U
1,2-Dibromo-3-chloropropane	96-12-8	NC	NC	13 U	4.9 UJ	5.1 UJ	6.4 UJ
1,2-Dibromoethane	106-93-4	NC	NC	13 U	4.9 U	5.1 U	6.4 U
1,2-Dichlorobenzene	95-50-1	100,000	100,000	13 U	4.9 U	5.1 U	6.4 U
1,2-Dichloroethane	107-06-2	2300	3100	13 U	4.9 U	5.1 U	6.4 U
1,2-Dichloropropane	78-87-5	NC	NC	13 U	4.9 U	5.1 U	6.4 U
1,3,5-Trimethylbenzene	108-67-8	47,000	52,000	13 U	4.9 U	5.1 U	6.4 U
1,3-Dichlorobenzene	541-73-1	17,000	49,000	13 U	4.9 U	5.1 U	6.4 U
1,4-Dichlorobenzene	106-46-7	9,800	13,000	13 U	4.9 U	5.1 U	6.4 U
1,4-Dioxane	123-91-1	9,800	13,000	250 R	98 R	100 R	130 R
2-Butanone	78-93-3	100,000 100,000[CP]	100,000	13 UJ	4.9 UJ	5.1 UJ	6.4 UJ
2-Hexanone	591-78-6	NC	NC	13 UJ	4.9 UJ	5.1 UJ	6.4 UJ
4-Isopropyltoluene	99-87-6	NC	NC	13 U	4.9 U	5.1 U	6.4 U
4-Methyl-2-Pentanone	108-10-1	NC	NC	13 UJ	4.9 UJ	5.1 UJ	6.4 UJ
Acetone	67-64-1	100,000	100,000	130	4.9 U	9.4	6.4 U
Benzene	71-43-2	2,900	4,800	13 U	4.9 U	5.1 U	6.4 U
Bromochloromethane	74-97-5	NC	NC	13 U	4.9 U	5.1 U	6.4 U
Bromodichloromethane	75-27-4	NC	NC	13 U	4.9 U	5.1 U	6.4 U
Bromoform	75-25-2	NC	NC	13 U	4.9 U	5.1 U	6.4 U
Bromomethane	74-83-9	NC	NC	13 U	4.9 U	5.1 U	6.4 U
Carbon disulfide	75-15-0	100,000[CP]	NC	13 U	4.9 U	5.1 U	6.4 U
Carbon Tetrachloride	56-23-5	1400	2,400	13 U	4.9 U	5.1 U	6.4 U
Chlorobenzene	108-90-7	100,000	100,000	13 U	4.9 U	5.1 U	6.4 U
Chloroethane	75-00-3	NC	NC	13 U	4.9 U	5.1 U	6.4 U
Chloroform	67-66-3	10,000	49,000	13 U	4.9 U	5.1 U	6.4 U
Chloromethane	74-87-3	NC	NC	13 U	4.9 U	5.1 U	6.4 U
cis-1,2-Dichloroethene	156-59-2	59,000	100,000	13 U	4.9 U	5.1 U	6.4 U
Cis-1,3-Dichloropropene	10061-01-5	NC	NC	13 U	4.9 U	5.1 U	6.4 U
Cyclohexane	110-82-7	NC	NC	13 U	4.9 U	5.1 U	6.4 U
Dibromochloromethane	124-48-1	NC	NC	13 U	4.9 U	5.1 U	6.4 U
Dichlorodifluoromethane	75-71-8	NC	NC	13 U	4.9 U	5.1 U	6.4 U
Ethylbenzene	100-41-4	30,000	41,000	13 U	4.9 U	5.1 U	6.4 U
Isopropylbenzene	98-82-8	100,000[CP]	NC	13 U	4.9 U	5.1 U	6.4 U
M,P-XYLENE	XYLMP	NC	NC	25 U	9.8 U	10 U	13 U
Methyl Acetate	79-20-9	NC	NC	13 U	4.9 U	5.1 U	6.4 U
Methylcyclohexane	108-87-2	NC	NC	13 U	4.9 U	5.1 U	6.4 U
Methylene Chloride	75-09-2	51,000	100,000	13 U	4.9 U	5.1 U	0.75 J
MTBE	1634-04-4	62,000	100,000	5.8 J	4.9 U	5.1 U	6.4 U
n-Butylbenzene	104-51-8	100,000	100,000	13 U	4.9 U	5.1 U	6.4 U
n-Propylbenzene	103-65-1	100,000	100,000	13 U	4.9 U	5.1 U	6.4 U
o-Xylene	95-47-6	NC	NC	13 U	4.9 U	5.1 U	6.4 U
sec-Butylbenzene	135-98-8	100,000	100,000	13 U	4.9 U	5.1 U	6.4 U
Styrene	100-42-5	NC	NC	13 U	4.9 U	5.1 U	6.4 U
Tert-Butylbenzene	98-06-6	100,000	100,000	13 U	4.9 U	5.1 U	6.4 U
Tetrachloroethene	127-18-4	5,500	19,000	13 U	4.9 U	5.1 U	6.4 U
Toluene	108-88-3	100,000	100,000	13 U	4.9 U	5.1 U	6.4 U
trans-1,2-Dichloroethene	156-60-5	100,000	100,000	13 U	4.9 U	5.1 U	6.4 U
Trans-1,3-Dichloropropene	10061-02-6	NC	NC	13 U	4.9 U	5.1 U	6.4 U
Trichloroethene	79-01-6	10,000	21,000	13 U	4.9 U	5.1 U	6.4 U
Trichlorofluoromethane	75-69-4	NC	NC	13 U	4.9 U	5.1 U	6.4 U
TRICHLOROTRIFLUOROETHANE	26523-64-8	NC	NC	13 U	4.9 U	5.1 U	6.4 U
Vinyl Chloride	75-01-4	210	900	13 U	4.9 U	5.1 U	6.4 U
Total VOC TICs	NA	NC	NC	191	119.7	52.2	0

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.

(green shading)	Exceeds Residential Use SCO listed in Part 375 or CP-51
(orange shading)	Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 5A - Surface Soil Results Compared to Restricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

			Sample Location	SS-104	SS-105	SS-106	SS-107
			Sample ID	SS-104-0-0.17-091916	SS-105-0-0.17-091916	SS-106-0-0.17-091916	SS-107-0-0.17-091916
			Sample Date	9/19/2016	9/19/2016	9/19/2016	9/19/2016
			Unit	µg/kg	µg/kg	µg/kg	µg/kg
			Lab SDG	R1609864	R1609864	R1609864	R1609864
			Start Depth	0	0	0	0
			End Depth	0.17	0.17	0.17	0.17
Chemical Name	CAS #	NY Part 375 Residential SCO[1]	NY Part 375 Restricted Residential SCO[1]				
VOCs							
1,1,1-Trichloroethane	71-55-6	100,000	100,000	7.6 U	8.4 U	13 U	4.8 U
1,1,2,2-Tetrachloroethane	79-34-5	35000[CP]	NC	7.6 UJ	8.4 UJ	13 U	4.8 U
1,1,2-Trichloroethane	79-00-5	NC	NC	7.6 U	8.4 U	13 U	4.8 U
1,1-Dichloroethane	75-34-3	19,000	26,000	7.6 U	8.4 U	13 U	4.8 U
1,1-Dichloroethene	75-35-4	100,000	100,000	7.6 U	8.4 U	13 U	4.8 U
1,2,3-Trichlorobenzene	87-61-6	NC	NC	7.6 UJ	8.4 UJ	13 U	4.8 U
1,2,4-Trichlorobenzene	120-82-1	NC	NC	7.6 UJ	8.4 UJ	13 U	4.8 U
1,2,4-Trimethylbenzene	95-63-6	47,000	52,000	7.6 UJ	8.4 UJ	13 U	4.8 U
1,2-Dibromo-3-chloropropane	96-12-8	NC	NC	7.6 UJ	8.4 UJ	13 U	4.8 U
1,2-Dibromoethane	106-93-4	NC	NC	7.6 U	8.4 U	13 U	4.8 U
1,2-Dichlorobenzene	95-50-1	100,000	100,000	7.6 UJ	8.4 UJ	13 U	4.8 U
1,2-Dichloroethane	107-06-2	2300	3100	7.6 U	8.4 U	13 U	4.8 U
1,2-Dichloropropane	78-87-5	NC	NC	7.6 U	8.4 U	13 U	4.8 U
1,3,5-Trimethylbenzene	108-67-8	47,000	52,000	7.6 UJ	8.4 UJ	13 U	4.8 U
1,3-Dichlorobenzene	541-73-1	17,000	49,000	7.6 UJ	8.4 UJ	13 U	4.8 U
1,4-Dichlorobenzene	106-46-7	9,800	13,000	7.6 UJ	8.4 UJ	13 U	4.8 U
1,4-Dioxane	123-91-1	9,800	13,000	150 R	170 R	250 R	95 R
2-Butanone	78-93-3	100,000 100,000[CP]	100,000	7.6 UJ	4 J	6.3 J	4.8 UJ
2-Hexanone	591-78-6	NC	NC	7.6 UJ	8.4 UJ	13 J	4.8 UJ
4-Isopropyltoluene	99-87-6	NC	NC	7.6 UJ	8.4 UJ	13 U	4.8 U
4-Methyl-2-Pentanone	108-10-1	NC	NC	7.6 UJ	8.4 UJ	13 J	4.8 UJ
Acetone	67-64-1	100,000	100,000	14	42	46	4.8 U
Benzene	71-43-2	2,900	4,800	7.6 U	8.4 U	13 U	4.8 U
Bromochloromethane	74-97-5	NC	NC	7.6 U	8.4 U	13 U	4.8 U
Bromodichloromethane	75-27-4	NC	NC	7.6 U	8.4 U	13 U	4.8 U
Bromoform	75-25-2	NC	NC	7.6 U	8.4 U	13 U	4.8 U
Bromomethane	74-83-9	NC	NC	7.6 U	8.4 U	13 U	4.8 U
Carbon disulfide	75-15-0	100,000[CP]	NC	7.6 U	8.4 U	13 U	4.8 U
Carbon Tetrachloride	56-23-5	1400	2,400	7.6 U	8.4 U	13 U	4.8 U
Chlorobenzene	108-90-7	100,000	100,000	7.6 U	8.4 U	13 U	4.8 U
Chloroethane	75-00-3	NC	NC	7.6 U	8.4 U	13 U	4.8 U
Chloroform	67-66-3	10,000	49,000	7.6 U	8.4 U	13 U	4.8 U
Chloromethane	74-87-3	NC	NC	7.6 U	8.4 U	13 U	4.8 U
cis-1,2-Dichloroethene	156-59-2	59,000	100,000	7.6 U	8.4 U	13 U	4.8 U
Cis-1,3-Dichloropropene	10061-01-5	NC	NC	7.6 U	8.4 U	13 U	4.8 U
Cyclohexane	110-82-7	NC	NC	7.6 U	8.4 U	13 U	4.8 U
Dibromochloromethane	124-48-1	NC	NC	7.6 U	8.4 U	13 U	4.8 U
Dichlorodifluoromethane	75-71-8	NC	NC	7.6 U	8.4 U	13 U	4.8 U
Ethylbenzene	100-41-4	30,000	41,000	7.6 U	8.4 U	13 U	4.8 U
Isopropylbenzene	98-82-8	100,000[CP]	NC	7.6 U	8.4 U	13 U	4.8 U
M,P-XYLENE	XYLMP	NC	NC	15 U	17 U	25 U	9.5 U
Methyl Acetate	79-20-9	NC	NC	7.6 U	8.4 U	13 U	4.8 U
Methylcyclohexane	108-87-2	NC	NC	7.6 U	8.4 U	13 U	4.8 U
Methylene Chloride	75-09-2	51,000	100,000	7.6 U	8.4 U	13 U	4.8 U
MTBE	1634-04-4	62,000	100,000	7.6 U	8.4 U	13 U	4.8 U
n-Butylbenzene	104-51-8	100,000	100,000	7.6 UJ	8.4 UJ	13 U	4.8 U
n-Propylbenzene	103-65-1	100,000	100,000	7.6 UJ	8.4 UJ	13 U	4.8 U
o-Xylene	95-47-6	NC	NC	7.6 U	8.4 U	13 U	4.8 U
sec-Butylbenzene	135-98-8	100,000	100,000	7.6 UJ	8.4 UJ	13 U	4.8 U
Styrene	100-42-5	NC	NC	7.6 U	8.4 U	13 U	4.8 U
Tert-Butylbenzene	98-06-6	100,000	100,000	7.6 UJ	8.4 UJ	13 U	4.8 U
Tetrachloroethene	127-18-4	5,500	19,000	7.6 U	8.4 U	13 U	4.8 U
Toluene	108-88-3	100,000	100,000	7.6 U	8.4 U	13 U	4.8 U
trans-1,2-Dichloroethene	156-60-5	100,000	100,000	7.6 U	8.4 U	13 U	4.8 U
Trans-1,3-Dichloropropene	10061-02-6	NC	NC	7.6 U	8.4 U	13 U	4.8 U
Trichloroethene	79-01-6	10,000	21,000	7.6 U	8.4 U	13 U	4.8 U
Trichlorofluoromethane	75-69-4	NC	NC	7.6 U	8.4 U	13 U	4.8 U
TRICHLOROTRIFLUOROETHANE	26523-64-8	NC	NC	7.6 U	8.4 U	13 U	4.8 U
Vinyl Chloride	75-01-4	210	900	7.6 U	8.4 U	13 U	4.8 U
Total VOC TICs	NA	NC	NC	79	19.5	71	67.8

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.

	Exceeds Residential Use SCO listed in Part 375 or CP-51
	Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 5A - Surface Soil Results Compared to Restricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

			Sample Location	SS-108	SS-111	SS-112	SS-114
			Sample ID	SS-108-0-0.17-091916	SS-111-0-0.17-091916	SS-112-0-0.17-091916	SS-114-0-0.17-092016
			Sample Date	9/19/2016	9/19/2016	9/19/2016	9/20/2016
			Unit	µg/kg	µg/kg	µg/kg	µg/kg
			Lab SDG	R1609864	R1609864	R1609864	R1609909
			Start Depth	0	0	0	0
			End Depth	0.17	0.17	0.17	0.17
Chemical Name	**CAS #**	**NY Part 375 Residential SCO[1]**	**NY Part 375 Restricted Residential SCO[1]**				
VOCs							
1,1,1-Trichloroethane	71-55-6	100,000	100,000	3.1 U	7.5 U	3.7 U	11 U
1,1,2,2-Tetrachloroethane	79-34-5	35000[CP]	NC	3.1 U	7.5 U	3.7 U	11 UJ
1,1,2-Trichloroethane	79-00-5	NC	NC	3.1 U	7.5 U	3.7 U	11 U
1,1-Dichloroethane	75-34-3	19,000	26,000	3.1 U	7.5 U	3.7 U	11 U
1,1-Dichloroethene	75-35-4	100,000	100,000	3.1 U	7.5 U	3.7 U	11 U
1,2,3-Trichlorobenzene	87-61-6	NC	NC	3.1 U	7.5 U	3.7 U	11 UJ
1,2,4-Trichlorobenzene	120-82-1	NC	NC	3.1 U	7.5 U	3.7 U	11 UJ
1,2,4-Trimethylbenzene	95-63-6	47,000	52,000	3.1 U	7.5 U	3.7 U	11 UJ
1,2-Dibromo-3-chloropropane	96-12-8	NC	NC	3.1 U	7.5 U	3.7 UJ	11 UJ
1,2-Dibromoethane	106-93-4	NC	NC	3.1 U	7.5 U	3.7 U	11 U
1,2-Dichlorobenzene	95-50-1	100,000	100,000	3.1 U	7.5 U	3.7 U	11 UJ
1,2-Dichloroethane	107-06-2	2300	3100	3.1 U	7.5 U	3.7 U	11 U
1,2-Dichloropropane	78-87-5	NC	NC	3.1 U	7.5 U	3.7 U	11 U
1,3,5-Trimethylbenzene	108-67-8	47,000	52,000	3.1 U	7.5 U	3.7 U	11 UJ
1,3-Dichlorobenzene	541-73-1	17,000	49,000	3.1 U	7.5 U	3.7 U	11 UJ
1,4-Dichlorobenzene	106-46-7	9,800	13,000	3.1 U	7.5 U	3.7 U	11 UJ
1,4-Dioxane	123-91-1	9,800	13,000	61 R	150 R	75 R	220 R
2-Butanone	78-93-3	100,000 100,000[CP]	100,000	3.1 UJ	5.8 J	3.7 UJ	11 U
2-Hexanone	591-78-6	NC	NC	3.1 UJ	7.5 UJ	3.7 UJ	11 U
4-Isopropyltoluene	99-87-6	NC	NC	3.1 U	7.5 U	3.7 U	11 UJ
4-Methyl-2-Pentanone	108-10-1	NC	NC	3.1 UJ	7.5 UJ	3.7 UJ	11 U
Acetone	67-64-1	100,000	100,000	3.1 U	100	4.2	11 U
Benzene	71-43-2	2,900	4,800	3.1 U	7.5 U	3.7 U	11 U
Bromochloromethane	74-97-5	NC	NC	3.1 U	7.5 U	3.7 U	11 U
Bromodichloromethane	75-27-4	NC	NC	3.1 U	7.5 U	3.7 U	11 U
Bromoform	75-25-2	NC	NC	3.1 U	7.5 U	3.7 U	11 U
Bromomethane	74-83-9	NC	NC	3.1 U	7.5 U	3.7 U	11 U
Carbon disulfide	75-15-0	100,000[CP]	NC	3.1 U	7.5 U	3.7 U	11 U
Carbon Tetrachloride	56-23-5	1400	2,400	3.1 U	7.5 U	3.7 U	11 U
Chlorobenzene	108-90-7	100,000	100,000	3.1 U	7.5 U	3.7 U	11 U
Chloroethane	75-00-3	NC	NC	3.1 U	7.5 U	3.7 U	11 U
Chloroform	67-66-3	10,000	49,000	3.1 U	7.5 U	3.7 U	11 U
Chloromethane	74-87-3	NC	NC	3.1 U	7.5 U	3.7 U	11 U
cis-1,2-Dichloroethene	156-59-2	59,000	100,000	3.1 U	7.5 U	3.7 U	11 U
Cis-1,3-Dichloropropene	10061-01-5	NC	NC	3.1 U	7.5 U	3.7 U	11 U
Cyclohexane	110-82-7	NC	NC	3.1 U	7.5 U	3.7 U	11 UJ
Dibromochloromethane	124-48-1	NC	NC	3.1 U	7.5 U	3.7 U	11 U
Dichlorodifluoromethane	75-71-8	NC	NC	3.1 U	7.5 U	3.7 U	11 U
Ethylbenzene	100-41-4	30,000	41,000	3.1 U	7.5 U	3.7 U	11 U
Isopropylbenzene	98-82-8	100,000[CP]	NC	3.1 U	7.5 U	3.7 U	11 U
M,P-XYLENE	XYLMP	NC	NC	6.1 U	15 U	7.5 U	22 U
Methyl Acetate	79-20-9	NC	NC	3.1 U	7.5 U	3.7 U	11 U
Methylcyclohexane	108-87-2	NC	NC	3.1 U	7.5 U	3.7 U	11 UJ
Methylene Chloride	75-09-2	51,000	100,000	3.1 U	7.5 U	3.7 U	11 U
MTBE	1634-04-4	62,000	100,000	3.1 U	1.7 J	3.7 U	11 U
n-Butylbenzene	104-51-8	100,000	100,000	3.1 U	7.5 U	3.7 U	11 UJ
n-Propylbenzene	103-65-1	100,000	100,000	3.1 U	7.5 U	3.7 U	11 UJ
o-Xylene	95-47-6	NC	NC	3.1 U	7.5 U	3.7 U	11 U
sec-Butylbenzene	135-98-8	100,000	100,000	3.1 U	7.5 U	3.7 U	11 UJ
Styrene	100-42-5	NC	NC	3.1 U	7.5 U	3.7 U	11 U
Tert-Butylbenzene	98-06-6	100,000	100,000	3.1 U	7.5 U	3.7 U	11 UJ
Tetrachloroethene	127-18-4	5,500	19,000	3.1 U	7.5 U	3.7 U	11 U
Toluene	108-88-3	100,000	100,000	3.1 U	7.5 U	3.7 U	11 U
trans-1,2-Dichloroethene	156-60-5	100,000	100,000	3.1 U	7.5 U	3.7 U	11 U
Trans-1,3-Dichloropropene	10061-02-6	NC	NC	3.1 U	7.5 U	3.7 U	11 U
Trichloroethene	79-01-6	10,000	21,000	3.1 U	7.5 U	3.7 U	11 U
Trichlorofluoromethane	75-69-4	NC	NC	3.1 U	7.5 U	3.7 U	11 U
TRICHLOROTRIFLUOROETHANE	26523-64-8	NC	NC	3.1 U	7.5 U	3.7 U	11 U
Vinyl Chloride	75-01-4	210	900	3.1 U	7.5 U	3.7 U	11 U
Total VOC TICs	NA	NC	NC	23.5	254.6	109.2	88.2

Notes:

NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.

	Exceeds Residential Use SCO listed in Part 375 or CP-51
	Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 5A - Surface Soil Results Compared to Restricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

			Sample Location	SS-115	SS-121	SS-123	SS-129
			Sample ID	SS-115-0-0.17-092016	SS-121-0-0.17-092016	SS-123-0-0.17-092016	SS-129-0-0.17-092016
			Sample Date	9/20/2016	9/20/2016	9/20/2016	9/20/2016
			Unit	µg/kg	µg/kg	µg/kg	µg/kg
			Lab SDG	R1609909	R1609909	R1609909	R1609909
			Start Depth	0	0	0	0
			End Depth	0.17	0.17	0.17	0.17
Chemical Name	CAS #	NY Part 375 Residential SCO[1]	NY Part 375 Restricted Residential SCO[1]				
VOCs							
1,1,1-Trichloroethane	71-55-6	100,000	100,000	6.2 U	5.2 U	8.3 U	9.1 U
1,1,2,2-Tetrachloroethane	79-34-5	35000[CP]	NC	6.2 UJ	5.2 UJ	8.3 UJ	9.1 U
1,1,2-Trichloroethane	79-00-5	NC	NC	6.2 U	5.2 U	8.3 U	9.1 U
1,1-Dichloroethane	75-34-3	19,000	26,000	6.2 U	5.2 U	8.3 U	9.1 U
1,1-Dichloroethene	75-35-4	100,000	100,000	6.2 U	5.2 U	8.3 U	9.1 U
1,2,3-Trichlorobenzene	87-61-6	NC	NC	6.2 UJ	5.2 UJ	8.3 UJ	9.1 U
1,2,4-Trichlorobenzene	120-82-1	NC	NC	6.2 UJ	5.2 UJ	8.3 UJ	9.1 U
1,2,4-Trimethylbenzene	95-63-6	47,000	52,000	6.2 UJ	5.2 UJ	8.3 UJ	9.1 U
1,2-Dibromo-3-chloropropane	96-12-8	NC	NC	6.2 UJ	5.2 UJ	8.3 UJ	9.1 UJ
1,2-Dibromoethane	106-93-4	NC	NC	6.2 U	5.2 U	8.3 U	9.1 U
1,2-Dichlorobenzene	95-50-1	100,000	100,000	6.2 UJ	5.2 UJ	8.3 UJ	9.1 U
1,2-Dichloroethane	107-06-2	2300	3100	6.2 U	5.2 U	8.3 U	9.1 U
1,2-Dichloropropane	78-87-5	NC	NC	6.2 U	5.2 U	8.3 U	9.1 U
1,3,5-Trimethylbenzene	108-67-8	47,000	52,000	6.2 UJ	5.2 UJ	8.3 UJ	9.1 U
1,3-Dichlorobenzene	541-73-1	17,000	49,000	6.2 UJ	5.2 UJ	8.3 UJ	9.1 U
1,4-Dichlorobenzene	106-46-7	9,800	13,000	6.2 UJ	5.2 UJ	8.3 UJ	9.1 U
1,4-Dioxane	123-91-1	9,800	13,000	120 R	100 R	170 R	180 R
2-Butanone	78-93-3	100,000 100,000[CP]	100,000	6.2 U	5.2 U	8.3 UJ	9.1 UJ
2-Hexanone	591-78-6	NC	NC	6.2 U	5.2 U	8.3 UJ	9.1 UJ
4-Isopropyltoluene	99-87-6	NC	NC	6.2 UJ	5.2 UJ	8.3 UJ	9.1 U
4-Methyl-2-Pentanone	108-10-1	NC	NC	6.2 U	5.2 U	8.3 UJ	9.1 UJ
Acetone	67-64-1	100,000	100,000	6.2 U	5.2 U	8.3 U	9.9
Benzene	71-43-2	2,900	4,800	6.2 U	5.2 U	8.3 U	9.1 U
Bromochloromethane	74-97-5	NC	NC	6.2 U	5.2 U	8.3 U	9.1 U
Bromodichloromethane	75-27-4	NC	NC	6.2 U	5.2 U	8.3 U	9.1 U
Bromoform	75-25-2	NC	NC	6.2 U	5.2 U	8.3 U	9.1 U
Bromomethane	74-83-9	NC	NC	6.2 U	5.2 U	8.3 U	9.1 U
Carbon disulfide	75-15-0	100,000[CP]	NC	6.2 U	5.2 U	8.3 U	9.1 U
Carbon Tetrachloride	56-23-5	1400	2,400	6.2 U	5.2 U	8.3 U	9.1 U
Chlorobenzene	108-90-7	100,000	100,000	6.2 U	5.2 U	8.3 U	9.1 U
Chloroethane	75-00-3	NC	NC	6.2 U	5.2 U	8.3 U	9.1 U
Chloroform	67-66-3	10,000	49,000	6.2 U	5.2 U	8.3 U	9.1 U
Chloromethane	74-87-3	NC	NC	6.2 U	5.2 U	8.3 U	9.1 U
cis-1,2-Dichloroethene	156-59-2	59,000	100,000	6.2 U	5.2 U	8.3 U	9.1 U
Cis-1,3-Dichloropropene	10061-01-5	NC	NC	6.2 U	5.2 U	8.3 U	9.1 U
Cyclohexane	110-82-7	NC	NC	6.2 UJ	5.2 UJ	8.3 U	9.1 U
Dibromochloromethane	124-48-1	NC	NC	6.2 U	5.2 U	8.3 U	9.1 U
Dichlorodifluoromethane	75-71-8	NC	NC	6.2 U	5.2 U	8.3 U	9.1 U
Ethylbenzene	100-41-4	30,000	41,000	6.2 U	5.2 U	8.3 U	9.1 U
Isopropylbenzene	98-82-8	100,000[CP]	NC	6.2 U	5.2 U	8.3 U	9.1 U
M,P-XYLENE	XYLMP	NC	NC	12 U	10 U	17 U	18 U
Methyl Acetate	79-20-9	NC	NC	6.2 U	5.2 U	8.3 U	9.1 U
Methylcyclohexane	108-87-2	NC	NC	6.2 UJ	5.2 UJ	8.3 U	9.1 U
Methylene Chloride	75-09-2	51,000	100,000	6.2 U	5.2 U	8.3 U	1.8 J
MTBE	1634-04-4	62,000	100,000	6.2 U	5.2 U	8.3 U	9.1 U
n-Butylbenzene	104-51-8	100,000	100,000	6.2 UJ	5.2 UJ	8.3 UJ	9.1 U
n-Propylbenzene	103-65-1	100,000	100,000	6.2 UJ	5.2 UJ	8.3 UJ	9.1 U
o-Xylene	95-47-6	NC	NC	6.2 U	5.2 U	8.3 U	9.1 U
sec-Butylbenzene	135-98-8	100,000	100,000	6.2 UJ	5.2 UJ	8.3 UJ	9.1 U
Styrene	100-42-5	NC	NC	6.2 U	5.2 U	8.3 U	9.1 U
Tert-Butylbenzene	98-06-6	100,000	100,000	6.2 UJ	5.2 UJ	8.3 UJ	9.1 U
Tetrachloroethene	127-18-4	5,500	19,000	6.2 U	5.2 U	8.3 U	9.1 U
Toluene	108-88-3	100,000	100,000	6.2 U	5.2 U	8.3 U	9.1 U
trans-1,2-Dichloroethene	156-60-5	100,000	100,000	6.2 U	5.2 U	8.3 U	9.1 U
Trans-1,3-Dichloropropene	10061-02-6	NC	NC	6.2 U	5.2 U	8.3 U	9.1 U
Trichloroethene	79-01-6	10,000	21,000	6.2 U	5.2 U	8.3 U	9.1 U
Trichlorofluoromethane	75-69-4	NC	NC	6.2 U	5.2 U	8.3 U	9.1 U
TRICHLOROTRIFLUOROETHANE	26523-64-8	NC	NC	6.2 U	5.2 U	8.3 U	9.1 U
Vinyl Chloride	75-01-4	210	900	6.2 U	5.2 U	8.3 U	9.1 U
Total VOC TICs	NA	NC	NC	50.4	0	66	61.8

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.

	Exceeds Residential Use SCO listed in Part 375 or CP-51
	Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 5A - Surface Soil Results Compared to Restricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

			Sample Location	SS-131	SS-135	SS-136	SS-140
			Sample ID	SS-131-0-0.17-092016	SS-135-0-0.17-091916	SS-136-0-0.17-091916	SS-140-0-0.17-091916
			Sample Date	9/20/2016	9/19/2016	9/19/2016	9/19/2016
			Unit	µg/kg	µg/kg	µg/kg	µg/kg
			Lab SDG	R1609909	R1609864	R1609864	R1609864
			Start Depth	0	0	0	0
			End Depth	0.17	0.17	0.17	0.17
Chemical Name	CAS #	NY Part 375 Residential SCO[1]	NY Part 375 Restricted Residential SCO[1]				
VOCs							
1,1,1-Trichloroethane	71-55-6	100,000	100,000	4.7 U	8.1 U	3.6 U	12 U
1,1,2,2-Tetrachloroethane	79-34-5	35000[CP]	NC	4.7 U	8.1 UJ	3.6 U	12 U
1,1,2-Trichloroethane	79-00-5	NC	NC	4.7 U	8.1 U	3.6 U	12 U
1,1-Dichloroethane	75-34-3	19,000	26,000	4.7 U	8.1 U	3.6 U	12 U
1,1-Dichloroethene	75-35-4	100,000	100,000	4.7 U	8.1 U	3.6 U	12 U
1,2,3-Trichlorobenzene	87-61-6	NC	NC	4.7 U	8.1 UJ	3.6 U	12 U
1,2,4-Trichlorobenzene	120-82-1	NC	NC	4.7 U	8.1 UJ	3.6 U	12 U
1,2,4-Trimethylbenzene	95-63-6	47,000	52,000	4.7 U	8.1 UJ	3.6 U	5.3 J
1,2-Dibromo-3-chloropropane	96-12-8	NC	NC	4.7 UJ	8.1 UJ	3.6 U	12 UJ
1,2-Dibromoethane	106-93-4	NC	NC	4.7 U	8.1 U	3.6 U	12 U
1,2-Dichlorobenzene	95-50-1	100,000	100,000	4.7 U	8.1 UJ	3.6 U	12 U
1,2-Dichloroethane	107-06-2	2300	3100	4.7 U	8.1 U	3.6 U	12 U
1,2-Dichloropropane	78-87-5	NC	NC	4.7 U	8.1 U	3.6 U	12 U
1,3,5-Trimethylbenzene	108-67-8	47,000	52,000	4.7 U	8.1 UJ	3.6 U	12 U
1,3-Dichlorobenzene	541-73-1	17,000	49,000	4.7 U	8.1 UJ	3.6 U	12 U
1,4-Dichlorobenzene	106-46-7	9,800	13,000	4.7 U	8.1 UJ	3.6 U	12 U
1,4-Dioxane	123-91-1	9,800	13,000	94 R	160 R	15 J	230 R
2-Butanone	78-93-3	100,000 100,000[CP]	100,000	3.3 J	8.1 UJ	3.6 UJ	12 UJ
2-Hexanone	591-78-6	NC	NC	4.7 UJ	8.1 UJ	3.6 UJ	12 UJ
4-Isopropyltoluene	99-87-6	NC	NC	4.7 U	8.1 UJ	3.6 U	2.6 J
4-Methyl-2-Pentanone	108-10-1	NC	NC	4.7 UJ	8.1 UJ	3.6 UJ	12 UJ
Acetone	67-64-1	100,000	100,000	35	8.1 U	3.6 U	53
Benzene	71-43-2	2,900	4,800	4.7 U	8.1 U	3.6 U	12 U
Bromochloromethane	74-97-5	NC	NC	4.7 U	8.1 U	3.6 U	12 U
Bromodichloromethane	75-27-4	NC	NC	4.7 U	8.1 U	3.6 U	12 U
Bromoform	75-25-2	NC	NC	4.7 U	8.1 U	3.6 U	12 U
Bromomethane	74-83-9	NC	NC	4.7 U	8.1 U	3.6 U	12 U
Carbon disulfide	75-15-0	100,000[CP]	NC	4.7 U	8.1 U	3.6 U	12 U
Carbon Tetrachloride	56-23-5	1400	2,400	4.7 U	8.1 U	3.6 U	12 U
Chlorobenzene	108-90-7	100,000	100,000	4.7 U	8.1 U	3.6 U	12 U
Chloroethane	75-00-3	NC	NC	4.7 U	8.1 U	3.6 U	12 U
Chloroform	67-66-3	10,000	49,000	4.7 U	8.1 U	3.6 U	12 U
Chloromethane	74-87-3	NC	NC	4.7 U	8.1 U	3.6 U	12 U
cis-1,2-Dichloroethene	156-59-2	59,000	100,000	4.7 U	8.1 U	3.6 U	12 U
Cis-1,3-Dichloropropene	10061-01-5	NC	NC	4.7 U	8.1 U	3.6 U	12 U
Cyclohexane	110-82-7	NC	NC	4.7 U	8.1 U	3.6 U	12 U
Dibromochloromethane	124-48-1	NC	NC	4.7 U	8.1 U	3.6 U	12 U
Dichlorodifluoromethane	75-71-8	NC	NC	4.7 U	8.1 U	3.6 U	12 U
Ethylbenzene	100-41-4	30,000	41,000	4.7 U	8.1 U	3.6 U	12 U
Isopropylbenzene	98-82-8	100,000[CP]	NC	4.7 U	8.1 U	3.6 U	2.8 J
M,P-XYLENE	XYLMP	NC	NC	9.4 U	16 U	7.3 U	23 U
Methyl Acetate	79-20-9	NC	NC	2.8 J	8.1 U	3.6 U	7.7 J
Methylcyclohexane	108-87-2	NC	NC	4.7 U	8.1 U	3.6 U	12 U
Methylene Chloride	75-09-2	51,000	100,000	4.7 U	8.1 U	3.6 U	12 U
MTBE	1634-04-4	62,000	100,000	1.2 J	8.1 U	3.6 U	12 U
n-Butylbenzene	104-51-8	100,000	100,000	4.7 U	8.1 UJ	3.6 U	12 U
n-Propylbenzene	103-65-1	100,000	100,000	4.7 U	8.1 UJ	3.6 U	12 U
o-Xylene	95-47-6	NC	NC	4.7 U	8.1 U	3.6 U	12 U
sec-Butylbenzene	135-98-8	100,000	100,000	4.7 U	8.1 UJ	3.6 U	12 U
Styrene	100-42-5	NC	NC	4.7 U	8.1 U	3.6 U	12 U
Tert-Butylbenzene	98-06-6	100,000	100,000	4.7 U	8.1 UJ	3.6 U	8.3 J
Tetrachloroethene	127-18-4	5,500	19,000	4.7 U	8.1 U	3.6 U	12 U
Toluene	108-88-3	100,000	100,000	4.7 U	8.1 U	3.6 U	12 U
trans-1,2-Dichloroethene	156-60-5	100,000	100,000	4.7 U	8.1 U	3.6 U	12 U
Trans-1,3-Dichloropropene	10061-02-6	NC	NC	4.7 U	8.1 U	3.6 U	12 U
Trichloroethene	79-01-6	10,000	21,000	4.7 U	8.1 U	3.6 U	12 U
Trichlorofluoromethane	75-69-4	NC	NC	4.7 U	8.1 U	3.6 U	12 U
TRICHLOROTRIFLUOROETHANE	26523-64-8	NC	NC	4.7 U	8.1 U	3.6 U	12 U
Vinyl Chloride	75-01-4	210	900	4.7 U	8.1 U	3.6 U	12 U
Total VOC TICs	NA	NC	NC	58	0	77	0

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.

	Exceeds Residential Use SCO listed in Part 375 or CP-51
	Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 5A - Surface Soil Results Compared to Restricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

			Sample Location	SS-143	SS-146	SS-148	SS-150
			Sample ID	SS-143-0-0.17-091916	SS-146-0-0.17-091916	SS-148-0-0.17-092016	DUP-006-091916
			Sample Date	9/19/2016	9/19/2016	9/20/2016	9/19/2016
			Unit	µg/kg	µg/kg	µg/kg	µg/kg
			Lab SDG	R1609864	R1609864	R1609909	R1609864
			Start Depth	0	0	0	0
			End Depth	0.17	0.17	0.17	0.17
Chemical Name	CAS #	NY Part 375 Residential SCO[1]	NY Part 375 Restricted Residential SCO[1]				
VOCs							
1,1,1-Trichloroethane	71-55-6	100,000	100,000	4.8 U	4.4 U	6.2 U	3.8 U
1,1,2,2-Tetrachloroethane	79-34-5	35000[CP]	NC	4.8 U	4.4 U	6.2 U	3.8 U
1,1,2-Trichloroethane	79-00-5	NC	NC	4.8 U	4.4 U	6.2 UJ	3.8 U
1,1-Dichloroethane	75-34-3	19,000	26,000	4.8 U	4.4 U	6.2 U	3.8 U
1,1-Dichloroethene	75-35-4	100,000	100,000	4.8 U	4.4 U	6.2 U	3.8 U
1,2,3-Trichlorobenzene	87-61-6	NC	NC	4.8 U	4.4 U	6.2 U	3.8 U
1,2,4-Trichlorobenzene	120-82-1	NC	NC	4.8 U	4.4 U	6.2 U	3.8 U
1,2,4-Trimethylbenzene	95-63-6	47,000	52,000	4.8 U	4.4 U	6.2 U	3.8 U
1,2-Dibromo-3-chloropropane	96-12-8	NC	NC	4.8 U	4.4 U	6.2 UJ	3.8 U
1,2-Dibromoethane	106-93-4	NC	NC	4.8 U	4.4 U	6.2 UJ	3.8 U
1,2-Dichlorobenzene	95-50-1	100,000	100,000	4.8 U	4.4 U	6.2 U	3.8 U
1,2-Dichloroethane	107-06-2	2300	3100	4.8 U	4.4 U	6.2 U	3.8 U
1,2-Dichloropropane	78-87-5	NC	NC	4.8 U	4.4 U	6.2 U	3.8 U
1,3,5-Trimethylbenzene	108-67-8	47,000	52,000	4.8 U	4.4 U	6.2 U	3.8 U
1,3-Dichlorobenzene	541-73-1	17,000	49,000	4.8 U	4.4 U	6.2 U	3.8 U
1,4-Dichlorobenzene	106-46-7	9,800	13,000	4.8 U	4.4 U	6.2 U	3.8 U
1,4-Dioxane	123-91-1	9,800	13,000	97 R	87 R	120 R	77 R
2-Butanone	78-93-3	100,000 100,000[CP]	100,000	4.8 UJ	4.4 UJ	6.2 UJ	3.8 UJ
2-Hexanone	591-78-6	NC	NC	4.8 UJ	4.4 UJ	6.2 R	3.8 UJ
4-Isopropyltoluene	99-87-6	NC	NC	4.8 U	4.4 U	6.2 U	3.8 U
4-Methyl-2-Pentanone	108-10-1	NC	NC	4.8 UJ	4.4 UJ	6.2 UJ	3.8 UJ
Acetone	67-64-1	100,000	100,000	4.8 U	25	6.2 U	3.8 U
Benzene	71-43-2	2,900	4,800	4.8 U	4.4 U	6.2 U	3.8 U
Bromochloromethane	74-97-5	NC	NC	4.8 U	4.4 U	6.2 U	3.8 U
Bromodichloromethane	75-27-4	NC	NC	4.8 U	4.4 U	6.2 U	3.8 U
Bromoform	75-25-2	NC	NC	4.8 U	4.4 U	6.2 U	3.8 U
Bromomethane	74-83-9	NC	NC	4.8 U	4.4 U	6.2 R	3.8 U
Carbon disulfide	75-15-0	100,000[CP]	NC	4.8 U	4.4 U	6.2 U	3.8 U
Carbon Tetrachloride	56-23-5	1400	2,400	4.8 U	4.4 U	6.2 U	3.8 U
Chlorobenzene	108-90-7	100,000	100,000	4.8 U	4.4 U	6.2 UJ	3.8 U
Chloroethane	75-00-3	NC	NC	4.8 U	4.4 U	6.2 U	3.8 U
Chloroform	67-66-3	10,000	49,000	4.8 U	4.4 U	6.2 U	3.8 U
Chloromethane	74-87-3	NC	NC	4.8 U	4.4 U	6.2 U	3.8 U
cis-1,2-Dichloroethene	156-59-2	59,000	100,000	4.8 U	4.4 U	6.2 U	3.8 U
Cis-1,3-Dichloropropene	10061-01-5	NC	NC	4.8 U	4.4 U	6.2 UJ	3.8 U
Cyclohexane	110-82-7	NC	NC	4.8 U	4.4 U	6.2 U	3.8 U
Dibromochloromethane	124-48-1	NC	NC	4.8 U	4.4 U	6.2 U	3.8 U
Dichlorodifluoromethane	75-71-8	NC	NC	4.8 U	4.4 U	6.2 U	3.8 U
Ethylbenzene	100-41-4	30,000	41,000	4.8 U	4.4 U	6.2 U	3.8 U
Isopropylbenzene	98-82-8	100,000[CP]	NC	4.8 U	4.4 U	6.2 U	3.8 U
M,P-XYLENE	XYLMP	NC	NC	9.7 U	8.7 U	12 U	7.7 U
Methyl Acetate	79-20-9	NC	NC	4.8 U	4.4 U	6.2 R	3.8 U
Methylcyclohexane	108-87-2	NC	NC	4.8 U	4.4 U	6.2 U	3.8 U
Methylene Chloride	75-09-2	51,000	100,000	4.8 U	4.4 U	6.2 U	3.8 U
MTBE	1634-04-4	62,000	100,000	4.8 U	4.4 U	6.2 U	3.8 U
n-Butylbenzene	104-51-8	100,000	100,000	4.8 U	4.4 U	6.2 U	3.8 U
n-Propylbenzene	103-65-1	100,000	100,000	4.8 U	4.4 U	6.2 U	3.8 U
o-Xylene	95-47-6	NC	NC	4.8 U	4.4 U	6.2 U	3.8 U
sec-Butylbenzene	135-98-8	100,000	100,000	4.8 U	4.4 U	6.2 U	3.8 U
Styrene	100-42-5	NC	NC	4.8 U	4.4 U	6.2 UJ	3.8 U
Tert-Butylbenzene	98-06-6	100,000	100,000	4.8 U	4.4 U	6.2 U	3.8 U
Tetrachloroethene	127-18-4	5,500	19,000	4.8 U	4.4 U	6.2 U	3.8 U
Toluene	108-88-3	100,000	100,000	4.8 U	4.4 U	6.2 U	3.8 U
trans-1,2-Dichloroethene	156-60-5	100,000	100,000	4.8 U	4.4 U	6.2 U	3.8 U
Trans-1,3-Dichloropropene	10061-02-6	NC	NC	4.8 U	4.4 U	6.2 UJ	3.8 U
Trichloroethene	79-01-6	10,000	21,000	4.8 U	4.4 U	6.2 U	3.8 U
Trichlorofluoromethane	75-69-4	NC	NC	4.8 U	4.4 U	6.2 U	3.8 U
TRICHLOROTRIFLUOROETHANE	26523-64-8	NC	NC	4.8 U	4.4 U	6.2 U	3.8 U
Vinyl Chloride	75-01-4	210	900	4.8 U	4.4 U	6.2 U	3.8 U
Total VOC TICs	NA	NC	NC	19.9	101.4	15.9	61.1

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.

	Exceeds Residential Use SCO listed in Part 375 or CP-51
	Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 5A - Surface Soil Results Compared to Restricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

			Sample Location	SS-150	SS-152	SS-153
			Sample ID	SS-150-0-0.17-091916	SS-152-0-0.17-091916	SS-153-0-0.17-091916
			Sample Date	9/19/2016	9/19/2016	9/19/2016
			Unit	µg/kg	µg/kg	µg/kg
			Lab SDG	R1609864	R1609864	R1609864
			Start Depth	0	0	0
			End Depth	0.17	0.17	0.17
Chemical Name	CAS #	NY Part 375 Residential SCO[1]	NY Part 375 Restricted Residential SCO[1]			
VOCs						
1,1,1-Trichloroethane	71-55-6	100,000	100,000	3.1 U	5 U	4.6 U
1,1,2,2-Tetrachloroethane	79-34-5	35000[CP]	NC	3.1 U	5 U	4.6 U
1,1,2-Trichloroethane	79-00-5	NC	NC	3.1 U	5 U	4.6 U
1,1-Dichloroethane	75-34-3	19,000	26,000	3.1 U	5 U	4.6 U
1,1-Dichloroethene	75-35-4	100,000	100,000	3.1 U	5 U	4.6 U
1,2,3-Trichlorobenzene	87-61-6	NC	NC	3.1 U	5 U	4.6 U
1,2,4-Trichlorobenzene	120-82-1	NC	NC	3.1 U	5 U	4.6 U
1,2,4-Trimethylbenzene	95-63-6	47,000	52,000	3.1 U	5 U	4.6 U
1,2-Dibromo-3-chloropropane	96-12-8	NC	NC	3.1 U	5 U	4.6 U
1,2-Dibromoethane	106-93-4	NC	NC	3.1 U	5 U	4.6 U
1,2-Dichlorobenzene	95-50-1	100,000	100,000	3.1 U	5 U	4.6 U
1,2-Dichloroethane	107-06-2	2300	3100	3.1 U	5 U	4.6 U
1,2-Dichloropropane	78-87-5	NC	NC	3.1 U	5 U	4.6 U
1,3,5-Trimethylbenzene	108-67-8	47,000	52,000	3.1 U	5 U	4.6 U
1,3-Dichlorobenzene	541-73-1	17,000	49,000	3.1 U	5 U	4.6 U
1,4-Dichlorobenzene	106-46-7	9,800	13,000	3.1 U	5 U	4.6 U
1,4-Dioxane	123-91-1	9,800	13,000	63 R	100 R	91 R
2-Butanone	78-93-3	100,000 100,000[CP]	100,000	3.1 UJ	5 UJ	4.6 UJ
2-Hexanone	591-78-6	NC	NC	3.1 UJ	5 UJ	4.6 UJ
4-Isopropyltoluene	99-87-6	NC	NC	3.1 U	5 U	4.6 U
4-Methyl-2-Pentanone	108-10-1	NC	NC	3.1 UJ	5 UJ	4.6 UJ
Acetone	67-64-1	100,000	100,000	11	37	4.6 U
Benzene	71-43-2	2,900	4,800	3.1 U	5 U	4.6 U
Bromochloromethane	74-97-5	NC	NC	3.1 U	5 U	4.6 U
Bromodichloromethane	75-27-4	NC	NC	3.1 U	5 U	4.6 U
Bromoform	75-25-2	NC	NC	3.1 U	5 U	4.6 U
Bromomethane	74-83-9	NC	NC	3.1 U	5 U	4.6 U
Carbon disulfide	75-15-0	100,000[CP]	NC	3.1 U	5 U	4.6 U
Carbon Tetrachloride	56-23-5	1400	2,400	3.1 U	5 U	4.6 U
Chlorobenzene	108-90-7	100,000	100,000	3.1 U	5 U	4.6 U
Chloroethane	75-00-3	NC	NC	3.1 U	5 U	4.6 U
Chloroform	67-66-3	10,000	49,000	3.1 U	5 U	4.6 U
Chloromethane	74-87-3	NC	NC	3.1 U	5 U	4.6 U
cis-1,2-Dichloroethene	156-59-2	59,000	100,000	3.1 U	5 U	4.6 U
Cis-1,3-Dichloropropene	10061-01-5	NC	NC	3.1 U	5 U	4.6 U
Cyclohexane	110-82-7	NC	NC	3.1 U	5 U	4.6 U
Dibromochloromethane	124-48-1	NC	NC	3.1 U	5 U	4.6 U
Dichlorodifluoromethane	75-71-8	NC	NC	3.1 U	5 U	4.6 U
Ethylbenzene	100-41-4	30,000	41,000	3.1 U	5 U	4.6 U
Isopropylbenzene	98-82-8	100,000[CP]	NC	3.1 U	5 U	4.6 U
M,P-XYLENE	XYLMP	NC	NC	6.3 U	10 U	9.1 U
Methyl Acetate	79-20-9	NC	NC	3.1 U	5 U	4.6 U
Methylcyclohexane	108-87-2	NC	NC	3.1 U	5 U	4.6 U
Methylene Chloride	75-09-2	51,000	100,000	3.1 U	5 U	4.6 U
MTBE	1634-04-4	62,000	100,000	3.1 U	5 U	4.6 U
n-Butylbenzene	104-51-8	100,000	100,000	3.1 U	5 U	4.6 U
n-Propylbenzene	103-65-1	100,000	100,000	3.1 U	5 U	4.6 U
o-Xylene	95-47-6	NC	NC	3.1 U	5 U	4.6 U
sec-Butylbenzene	135-98-8	100,000	100,000	3.1 U	5 U	4.6 U
Styrene	100-42-5	NC	NC	3.1 U	5 U	4.6 U
Tert-Butylbenzene	98-06-6	100,000	100,000	3.1 U	5 U	4.6 U
Tetrachloroethene	127-18-4	5,500	19,000	3.1 U	5 U	4.6 U
Toluene	108-88-3	100,000	100,000	3.1 U	5 U	4.6 U
trans-1,2-Dichloroethene	156-60-5	100,000	100,000	3.1 U	5 U	4.6 U
Trans-1,3-Dichloropropene	10061-02-6	NC	NC	3.1 U	5 U	4.6 U
Trichloroethene	79-01-6	10,000	21,000	3.1 U	5 U	4.6 U
Trichlorofluoromethane	75-69-4	NC	NC	3.1 U	5 U	4.6 U
TRICHLOROTRIFLUOROETHANE	26523-64-8	NC	NC	3.1 U	5 U	4.6 U
Vinyl Chloride	75-01-4	210	900	3.1 U	5 U	4.6 U
Total VOC TICs	NA	NC	NC	62.4	100.4	11

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.

	Exceeds Residential Use SCO listed in Part 375 or CP-51
	Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 5A1 - Existing Surface Cover Soil Results Compared to Restricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

			Sample Location	SS-100	SS-101	SS-102	SS-103	SS-104
			Sample ID	SS-100-0-0.17-092016	SS-101-0-0.17-092016	SS-102-0-0.17-092016	SS-103-0-0.17-092016	SS-104-0-0.17-091916
			Sample Date	9/20/2016	9/20/2016	9/20/2016	9/20/2016	9/19/2016
			Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
			Lab SDG	R1609909	R1609909	R1609909	R1609909	R1609864
			Start Depth	0	0	0	0	0
			End Depth	0.17	0.17	0.17	0.17	0.17
Chemical Name	**CAS #**	**NY Part 375 Residential SCO[1]**	**NY Part 375 Restricted Residential SCO[1]**					
VOCs								
1,1,1-Trichloroethane	71-55-6	100,000	100,000	13 U	4.9 U	5.1 U	6.4 U	7.6 U
1,1,2,2-Tetrachloroethane	79-34-5	35000[CP]	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 UJ
1,1,2-Trichloroethane	79-00-5	NC	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 U
1,1-Dichloroethane	75-34-3	19,000	26,000	13 U	4.9 U	5.1 U	6.4 U	7.6 U
1,1-Dichloroethene	75-35-4	100,000	100,000	13 U	4.9 U	5.1 U	6.4 U	7.6 U
1,2,3-Trichlorobenzene	87-61-6	NC	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 UJ
1,2,4-Trichlorobenzene	120-82-1	NC	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 UJ
1,2,4-Trimethylbenzene	95-63-6	47,000	52,000	13 U	4.9 U	5.1 U	6.4 U	7.6 UJ
1,2-Dibromo-3-chloropropane	96-12-8	NC	NC	13 U	4.9 UJ	5.1 UJ	6.4 UJ	7.6 UJ
1,2-Dibromoethane	106-93-4	NC	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 U
1,2-Dichlorobenzene	95-50-1	100,000	100,000	13 U	4.9 U	5.1 U	6.4 U	7.6 UJ
1,2-Dichloroethane	107-06-2	2300	3100	13 U	4.9 U	5.1 U	6.4 U	7.6 U
1,2-Dichloropropane	78-87-5	NC	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 U
1,3,5-Trimethylbenzene	108-67-8	47,000	52,000	13 U	4.9 U	5.1 U	6.4 U	7.6 UJ
1,3-Dichlorobenzene	541-73-1	17,000	49,000	13 U	4.9 U	5.1 U	6.4 U	7.6 UJ
1,4-Dichlorobenzene	106-46-7	9,800	13,000	13 U	4.9 U	5.1 U	6.4 U	7.6 UJ
1,4-Dioxane	123-91-1	9,800	13,000	250 R	98 R	100 R	130 R	150 R
2-Butanone	78-93-3	100,000 100,000[CP]	100,000	13 UJ	4.9 UJ	5.1 UJ	6.4 UJ	7.6 UJ
2-Hexanone	591-78-6	NC	NC	13 UJ	4.9 UJ	5.1 UJ	6.4 UJ	7.6 UJ
4-Isopropyltoluene	99-87-6	NC	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 UJ
4-Methyl-2-Pentanone	108-10-1	NC	NC	13 UJ	4.9 UJ	5.1 UJ	6.4 UJ	7.6 UJ
Acetone	67-64-1	100,000	100,000	130	4.9 U	9.4	6.4 U	14
Benzene	71-43-2	2,900	4,800	13 U	4.9 U	5.1 U	6.4 U	7.6 U
Bromochloromethane	74-97-5	NC	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 U
Bromodichloromethane	75-27-4	NC	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 U
Bromoform	75-25-2	NC	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 U
Bromomethane	74-83-9	NC	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 U
Carbon disulfide	75-15-0	100,000[CP]	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 U
Carbon Tetrachloride	56-23-5	1400	2,400	13 U	4.9 U	5.1 U	6.4 U	7.6 U
Chlorobenzene	108-90-7	100,000	100,000	13 U	4.9 U	5.1 U	6.4 U	7.6 U
Chloroethane	75-00-3	NC	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 U
Chloroform	67-66-3	10,000	49,000	13 U	4.9 U	5.1 U	6.4 U	7.6 U
Chloromethane	74-87-3	NC	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 U
cis-1,2-Dichloroethene	156-59-2	59,000	100,000	13 U	4.9 U	5.1 U	6.4 U	7.6 U
Cis-1,3-Dichloropropene	10061-01-5	NC	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 U
Cyclohexane	110-82-7	NC	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 U
Dibromochloromethane	124-48-1	NC	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 U
Dichlorodifluoromethane	75-71-8	NC	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 U
Ethylbenzene	100-41-4	30,000	41,000	13 U	4.9 U	5.1 U	6.4 U	7.6 U
Isopropylbenzene	98-82-8	100,000[CP]	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 U
M,P-XYLENE	XYLMP	NC	NC	25 U	9.8 U	10 U	13 U	15 U
Methyl Acetate	79-20-9	NC	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 U
Methylcyclohexane	108-87-2	NC	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 U
Methylene Chloride	75-09-2	51,000	100,000	13 U	4.9 U	5.1 U	0.75 J	7.6 U
MTBE	1634-04-4	62,000	100,000	5.8 J	4.9 U	5.1 U	6.4 U	7.6 U
n-Butylbenzene	104-51-8	100,000	100,000	13 U	4.9 U	5.1 U	6.4 U	7.6 UJ
n-Propylbenzene	103-65-1	100,000	100,000	13 U	4.9 U	5.1 U	6.4 U	7.6 UJ
o-Xylene	95-47-6	NC	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 U
sec-Butylbenzene	135-98-8	100,000	100,000	13 U	4.9 U	5.1 U	6.4 U	7.6 UJ
Styrene	100-42-5	NC	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 U
Tert-Butylbenzene	98-06-6	100,000	100,000	13 U	4.9 U	5.1 U	6.4 U	7.6 UJ
Tetrachloroethene	127-18-4	5,500	19,000	13 U	4.9 U	5.1 U	6.4 U	7.6 U
Toluene	108-88-3	100,000	100,000	13 U	4.9 U	5.1 U	6.4 U	7.6 U
trans-1,2-Dichloroethene	156-60-5	100,000	100,000	13 U	4.9 U	5.1 U	6.4 U	7.6 U
Trans-1,3-Dichloropropene	10061-02-6	NC	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 U
Trichloroethene	79-01-6	10,000	21,000	13 U	4.9 U	5.1 U	6.4 U	7.6 U
Trichlorofluoromethane	75-69-4	NC	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 U
TRICHLOROTRIFLUOROETHANE	26523-64-8	NC	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 U
Vinyl Chloride	75-01-4	210	900	13 U	4.9 U	5.1 U	6.4 U	7.6 U
Total VOC TICs	NA	NC	NC	191	119.7	52.2	0	79

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.

	Exceeds Residential Use SCO listed in Part 375 or CP-51
	Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 5A1 - Existing Surface Cover Soil Results Compared to Restricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

			Sample Location	SS-105	SS-106	SS-107	SS-108	SS-110	SS-111
			Sample ID	SS-105-0-0.17-091916	SS-106-0-0.17-091916	SS-107-0-0.17-091916	SS-108-0-0.17-091916	SS-110-1-2-092116	SS-111-0-0.17-091916
			Sample Date	9/19/2016	9/19/2016	9/19/2016	9/19/2016	9/21/2016	9/19/2016
			Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
			Lab SDG	R1609864	R1609864	R1609864	R1609864	R1609954	R1609864
			Start Depth	0	0	0	0	1	0
			End Depth	0.17	0.17	0.17	0.17	2	0.17
Chemical Name	**CAS #**	**NY Part 375 Residential SCO[1]**	**NY Part 375 Restricted Residential SCO[1]**						
VOCs									
1,1,1-Trichloroethane	71-55-6	100,000	100,000	8.4 U	13 U	4.8 U	3.1 U	5.2 UJ	7.5 U
1,1,2,2-Tetrachloroethane	79-34-5	35000[CP]	NC	8.4 UJ	13 U	4.8 U	3.1 U	5.2 UJ	7.5 U
1,1,2-Trichloroethane	79-00-5	NC	NC	8.4 U	13 U	4.8 U	3.1 U	5.2 UJ	7.5 U
1,1-Dichloroethane	75-34-3	19,000	26,000	8.4 U	13 U	4.8 U	3.1 U	5.2 UJ	7.5 U
1,1-Dichloroethene	75-35-4	100,000	100,000	8.4 U	13 U	4.8 U	3.1 U	5.2 UJ	7.5 U
1,2,3-Trichlorobenzene	87-61-6	NC	NC	8.4 UJ	13 U	4.8 U	3.1 U	5.2 UJ	7.5 U
1,2,4-Trichlorobenzene	120-82-1	NC	NC	8.4 UJ	13 U	4.8 U	3.1 U	5.2 UJ	7.5 U
1,2,4-Trimethylbenzene	95-63-6	47,000	52,000	8.4 UJ	13 U	4.8 U	3.1 U	5.2 UJ	7.5 U
1,2-Dibromo-3-chloropropane	96-12-8	NC	NC	8.4 UJ	13 U	4.8 U	3.1 U	5.2 UJ	7.5 U
1,2-Dibromoethane	106-93-4	NC	NC	8.4 U	13 U	4.8 U	3.1 U	5.2 UJ	7.5 U
1,2-Dichlorobenzene	95-50-1	100,000	100,000	8.4 UJ	13 U	4.8 U	3.1 U	5.2 UJ	7.5 U
1,2-Dichloroethane	107-06-2	2300	3100	8.4 U	13 U	4.8 U	3.1 U	5.2 UJ	7.5 U
1,2-Dichloropropane	78-87-5	NC	NC	8.4 U	13 U	4.8 U	3.1 U	5.2 UJ	7.5 U
1,3,5-Trimethylbenzene	108-67-8	47,000	52,000	8.4 UJ	13 U	4.8 U	3.1 U	5.2 UJ	7.5 U
1,3-Dichlorobenzene	541-73-1	17,000	49,000	8.4 UJ	13 U	4.8 U	3.1 U	5.2 UJ	7.5 U
1,4-Dichlorobenzene	106-46-7	9,800	13,000	8.4 UJ	13 U	4.8 U	3.1 U	5.2 UJ	7.5 U
1,4-Dioxane	123-91-1	9,800	13,000	170 R	250 R	95 R	61 R	100 R	150 R
2-Butanone	78-93-3	100,000 100,000[CP]	100,000	4 J	6.3 J	4.8 UJ	3.1 UJ	5.2 UJ	5.8 J
2-Hexanone	591-78-6	NC	NC	8.4 UJ	13 J	4.8 UJ	3.1 UJ	5.2 UJ	7.5 UJ
4-Isopropyltoluene	99-87-6	NC	NC	8.4 UJ	13 U	4.8 U	3.1 U	5.2 UJ	7.5 U
4-Methyl-2-Pentanone	108-10-1	NC	NC	8.4 UJ	13 J	4.8 UJ	3.1 UJ	5.2 UJ	7.5 UJ
Acetone	67-64-1	100,000	100,000	42	46	4.8 U	3.1 U	5.2 UJ	100
Benzene	71-43-2	2,900	4,800	8.4 U	13 U	4.8 U	3.1 U	5.2 UJ	7.5 U
Bromochloromethane	74-97-5	NC	NC	8.4 U	13 U	4.8 U	3.1 U	5.2 UJ	7.5 U
Bromodichloromethane	75-27-4	NC	NC	8.4 U	13 U	4.8 U	3.1 U	5.2 UJ	7.5 U
Bromoform	75-25-2	NC	NC	8.4 U	13 U	4.8 U	3.1 U	5.2 UJ	7.5 U
Bromomethane	74-83-9	NC	NC	8.4 U	13 U	4.8 U	3.1 U	5.2 UJ	7.5 U
Carbon disulfide	75-15-0	100,000[CP]	NC	8.4 U	13 U	4.8 U	3.1 U	3.7 J	7.5 U
Carbon Tetrachloride	56-23-5	1400	2,400	8.4 U	13 U	4.8 U	3.1 U	5.2 UJ	7.5 U
Chlorobenzene	108-90-7	100,000	100,000	8.4 U	13 U	4.8 U	3.1 U	5.2 UJ	7.5 U
Chloroethane	75-00-3	NC	NC	8.4 U	13 U	4.8 U	3.1 U	5.2 UJ	7.5 U
Chloroform	67-66-3	10,000	49,000	8.4 U	13 U	4.8 U	3.1 U	5.2 UJ	7.5 U
Chloromethane	74-87-3	NC	NC	8.4 U	13 U	4.8 U	3.1 U	5.2 UJ	7.5 U
cis-1,2-Dichloroethene	156-59-2	59,000	100,000	8.4 U	13 U	4.8 U	3.1 U	5.2 UJ	7.5 U
Cis-1,3-Dichloropropene	10061-01-5	NC	NC	8.4 U	13 U	4.8 U	3.1 U	5.2 UJ	7.5 U
Cyclohexane	110-82-7	NC	NC	8.4 U	13 U	4.8 U	3.1 U	5.2 UJ	7.5 U
Dibromochloromethane	124-48-1	NC	NC	8.4 U	13 U	4.8 U	3.1 U	5.2 UJ	7.5 U
Dichlorodifluoromethane	75-71-8	NC	NC	8.4 U	13 U	4.8 U	3.1 U	5.2 UJ	7.5 U
Ethylbenzene	100-41-4	30,000	41,000	8.4 U	13 U	4.8 U	3.1 U	5.2 UJ	7.5 U
Isopropylbenzene	98-82-8	100,000[CP]	NC	8.4 U	13 U	4.8 U	3.1 U	5.2 UJ	7.5 U
M,P-XYLENE	XYLMP	NC	NC	17 U	25 U	9.5 U	6.1 U	10 UJ	15 U
Methyl Acetate	79-20-9	NC	NC	8.4 U	13 U	4.8 U	3.1 U	5.2 UJ	7.5 U
Methylcyclohexane	108-87-2	NC	NC	8.4 U	13 U	4.8 U	3.1 U	1.3 J	7.5 U
Methylene Chloride	75-09-2	51,000	100,000	8.4 U	13 U	4.8 U	3.1 U	3.5 J	7.5 U
MTBE	1634-04-4	62,000	100,000	8.4 U	13 U	4.8 U	3.1 U	5.2 UJ	1.7 J
n-Butylbenzene	104-51-8	100,000	100,000	8.4 UJ	13 U	4.8 U	3.1 U	5.2 UJ	7.5 U
n-Propylbenzene	103-65-1	100,000	100,000	8.4 UJ	13 U	4.8 U	3.1 U	5.2 UJ	7.5 U
o-Xylene	95-47-6	NC	NC	8.4 U	13 U	4.8 U	3.1 U	5.2 UJ	7.5 U
sec-Butylbenzene	135-98-8	100,000	100,000	8.4 UJ	13 U	4.8 U	3.1 U	5.2 UJ	7.5 U
Styrene	100-42-5	NC	NC	8.4 U	13 U	4.8 U	3.1 U	5.2 UJ	7.5 U
Tert-Butylbenzene	98-06-6	100,000	100,000	8.4 UJ	13 U	4.8 U	3.1 U	5.2 UJ	7.5 U
Tetrachloroethene	127-18-4	5,500	19,000	8.4 U	13 U	4.8 U	3.1 U	5.2 UJ	7.5 U
Toluene	108-88-3	100,000	100,000	8.4 U	13 U	4.8 U	3.1 U	5.2 UJ	7.5 U
trans-1,2-Dichloroethene	156-60-5	100,000	100,000	8.4 U	13 U	4.8 U	3.1 U	5.2 UJ	7.5 U
Trans-1,3-Dichloropropene	10061-02-6	NC	NC	8.4 U	13 U	4.8 U	3.1 U	5.2 UJ	7.5 U
Trichloroethene	79-01-6	10,000	21,000	8.4 U	13 U	4.8 U	3.1 U	5.2 UJ	7.5 U
Trichlorofluoromethane	75-69-4	NC	NC	8.4 U	13 U	4.8 U	3.1 U	5.2 UJ	7.5 U
TRICHLOROTRIFLUOROETHANE	26523-64-8	NC	NC	8.4 U	13 U	4.8 U	3.1 U	5.2 UJ	7.5 U
Vinyl Chloride	75-01-4	210	900	8.4 U	13 U	4.8 U	3.1 U	5.2 UJ	7.5 U
Total VOC TICs	NA	NC	NC	19.5	71	67.8	23.5	160	254.6

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.

(green)	Exceeds Residential Use SCO listed in Part 375 or CP-51
(orange)	Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 5A1 - Existing Surface Cover Soil Results Compared to Restricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

			Sample Location	SS-112	SS-113	SS-113	SS-114	SS-115	SS-117
			Sample ID	SS-112-0-0.17-091916	DUP-005-092116	SS-113-1-2-092116	SS-114-0-0.17-092016	SS-115-0-0.17-092016	SS-117-1-1.5-092116
			Sample Date	9/19/2016	9/21/2016	9/21/2016	9/20/2016	9/20/2016	9/21/2016
			Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
			Lab SDG	R1609864	R1609954	R1609954	R1609909	R1609909	R1609954
			Start Depth	0	1	1	0	0	1
			End Depth	0.17	2	2	0.17	0.17	1.5
Chemical Name	**CAS #**	**NY Part 375 Residential SCO[1]**	**NY Part 375 Restricted Residential SCO[1]**						
VOCs									
1,1,1-Trichloroethane	71-55-6	100,000	100,000	3.7 U	3.6 U	6.2 U	11 U	6.2 U	4.3 U
1,1,2,2-Tetrachloroethane	79-34-5	35000[CP]	NC	3.7 U	3.6 U	6.2 U	11 UJ	6.2 UJ	4.3 UJ
1,1,2-Trichloroethane	79-00-5	NC	NC	3.7 U	3.6 U	6.2 U	11 U	6.2 U	4.3 U
1,1-Dichloroethane	75-34-3	19,000	26,000	3.7 U	3.6 U	6.2 U	11 U	6.2 U	4.3 U
1,1-Dichloroethene	75-35-4	100,000	100,000	3.7 U	3.6 U	6.2 U	11 U	6.2 U	4.3 U
1,2,3-Trichlorobenzene	87-61-6	NC	NC	3.7 U	3.6 U	6.2 U	11 UJ	6.2 UJ	4.3 UJ
1,2,4-Trichlorobenzene	120-82-1	NC	NC	3.7 U	3.6 U	6.2 U	11 UJ	6.2 UJ	4.3 UJ
1,2,4-Trimethylbenzene	95-63-6	47,000	52,000	3.7 U	3.6 U	6.2 U	11 UJ	6.2 UJ	4.3 UJ
1,2-Dibromo-3-chloropropane	96-12-8	NC	NC	3.7 UJ	3.6 U	6.2 U	11 UJ	6.2 UJ	4.3 UJ
1,2-Dibromoethane	106-93-4	NC	NC	3.7 U	3.6 U	6.2 U	11 U	6.2 U	4.3 U
1,2-Dichlorobenzene	95-50-1	100,000	100,000	3.7 U	3.6 U	6.2 U	11 UJ	6.2 UJ	4.3 UJ
1,2-Dichloroethane	107-06-2	2300	3100	3.7 U	3.6 U	6.2 U	11 U	6.2 U	4.3 U
1,2-Dichloropropane	78-87-5	NC	NC	3.7 U	3.6 U	6.2 U	11 U	6.2 U	4.3 U
1,3,5-Trimethylbenzene	108-67-8	47,000	52,000	3.7 U	3.6 U	6.2 U	11 UJ	6.2 UJ	4.3 UJ
1,3-Dichlorobenzene	541-73-1	17,000	49,000	3.7 U	3.6 U	6.2 U	11 UJ	6.2 UJ	4.3 UJ
1,4-Dichlorobenzene	106-46-7	9,800	13,000	3.7 U	3.6 U	6.2 U	11 UJ	6.2 UJ	4.3 UJ
1,4-Dioxane	123-91-1	9,800	13,000	75 R	72 R	120 R	220 R	120 R	85 R
2-Butanone	78-93-3	100,000 100,000[CP]	100,000	3.7 UJ	3.6 U	6.2 U	11 U	6.2 U	4.3 U
2-Hexanone	591-78-6	NC	NC	3.7 UJ	3.6 U	6.2 U	11 U	6.2 U	4.3 U
4-Isopropyltoluene	99-87-6	NC	NC	3.7 U	3.6 U	6.2 U	11 UJ	6.2 UJ	4.3 UJ
4-Methyl-2-Pentanone	108-10-1	NC	NC	3.7 UJ	3.6 U	6.2 U	11 U	6.2 U	4.3 U
Acetone	67-64-1	100,000	100,000	4.2	3.6 U	6.2 U	11 U	6.2 U	4.3 U
Benzene	71-43-2	2,900	4,800	3.7 U	3.6 U	6.2 U	11 U	6.2 U	4.3 U
Bromochloromethane	74-97-5	NC	NC	3.7 U	3.6 U	6.2 U	11 U	6.2 U	4.3 U
Bromodichloromethane	75-27-4	NC	NC	3.7 U	3.6 U	6.2 U	11 U	6.2 U	4.3 U
Bromoform	75-25-2	NC	NC	3.7 U	3.6 U	6.2 U	11 U	6.2 U	4.3 U
Bromomethane	74-83-9	NC	NC	3.7 U	3.6 U	6.2 U	11 U	6.2 U	4.3 U
Carbon disulfide	75-15-0	100,000[CP]	NC	3.7 U	3.6 U	6.2 U	11 U	6.2 U	4.3 U
Carbon Tetrachloride	56-23-5	1400	2,400	3.7 U	3.6 U	6.2 U	11 U	6.2 U	4.3 U
Chlorobenzene	108-90-7	100,000	100,000	3.7 U	3.6 U	6.2 U	11 U	6.2 U	4.3 U
Chloroethane	75-00-3	NC	NC	3.7 U	3.6 U	6.2 U	11 U	6.2 U	4.3 U
Chloroform	67-66-3	10,000	49,000	3.7 U	3.6 U	6.2 U	11 U	6.2 U	4.3 U
Chloromethane	74-87-3	NC	NC	3.7 U	3.6 U	6.2 U	11 U	6.2 U	4.3 U
cis-1,2-Dichloroethene	156-59-2	59,000	100,000	3.7 U	3.6 U	6.2 U	11 U	6.2 U	4.3 U
Cis-1,3-Dichloropropene	10061-01-5	NC	NC	3.7 U	3.6 U	6.2 U	11 U	6.2 U	4.3 U
Cyclohexane	110-82-7	NC	NC	3.7 U	3.6 UJ	6.2 UJ	11 UJ	6.2 UJ	4.3 UJ
Dibromochloromethane	124-48-1	NC	NC	3.7 U	3.6 U	6.2 U	11 U	6.2 U	4.3 U
Dichlorodifluoromethane	75-71-8	NC	NC	3.7 U	3.6 U	6.2 U	11 U	6.2 U	4.3 U
Ethylbenzene	100-41-4	30,000	41,000	3.7 U	3.6 U	6.2 U	11 U	6.2 U	4.3 U
Isopropylbenzene	98-82-8	100,000[CP]	NC	3.7 U	3.6 U	6.2 U	11 U	6.2 U	4.3 U
M,P-XYLENE	XYLMP	NC	NC	7.5 U	7.2 U	12 U	22 U	12 U	8.5 U
Methyl Acetate	79-20-9	NC	NC	3.7 U	3.6 U	6.2 U	11 U	6.2 U	4.3 U
Methylcyclohexane	108-87-2	NC	NC	3.7 U	3.6 UJ	6.2 UJ	11 UJ	6.2 UJ	4.3 UJ
Methylene Chloride	75-09-2	51,000	100,000	3.7 U	0.86 J	2.9 J	11 U	6.2 U	3.1 J
MTBE	1634-04-4	62,000	100,000	3.7 U	0.76 J	6.2 U	11 U	6.2 U	4.3 U
n-Butylbenzene	104-51-8	100,000	100,000	3.7 U	3.6 U	6.2 U	11 UJ	6.2 UJ	4.3 UJ
n-Propylbenzene	103-65-1	100,000	100,000	3.7 U	3.6 U	6.2 U	11 UJ	6.2 UJ	4.3 UJ
o-Xylene	95-47-6	NC	NC	3.7 U	3.6 U	6.2 U	11 U	6.2 U	4.3 U
sec-Butylbenzene	135-98-8	100,000	100,000	3.7 U	3.6 U	6.2 U	11 UJ	6.2 UJ	4.3 UJ
Styrene	100-42-5	NC	NC	3.7 U	3.6 U	6.2 U	11 U	6.2 U	4.3 U
Tert-Butylbenzene	98-06-6	100,000	100,000	3.7 U	3.6 U	6.2 U	11 UJ	6.2 UJ	4.3 UJ
Tetrachloroethene	127-18-4	5,500	19,000	3.7 U	3.6 U	6.2 U	11 U	6.2 U	4.3 U
Toluene	108-88-3	100,000	100,000	3.7 U	3.6 U	6.2 U	11 U	6.2 U	4.3 U
trans-1,2-Dichloroethene	156-60-5	100,000	100,000	3.7 U	3.6 U	6.2 U	11 U	6.2 U	4.3 U
Trans-1,3-Dichloropropene	10061-02-6	NC	NC	3.7 U	3.6 U	6.2 U	11 U	6.2 U	4.3 U
Trichloroethene	79-01-6	10,000	21,000	3.7 U	3.6 U	6.2 U	11 U	6.2 U	4.3 U
Trichlorofluoromethane	75-69-4	NC	NC	3.7 U	3.6 U	6.2 U	11 U	6.2 U	4.3 U
TRICHLOROTRIFLUOROETHANE	26523-64-8	NC	NC	3.7 U	3.6 U	6.2 U	11 U	6.2 U	4.3 U
Vinyl Chloride	75-01-4	210	900	3.7 U	3.6 U	6.2 U	11 U	6.2 U	4.3 U
Total VOC TICs	NA	NC	NC	109.2	112.5	22.4	88.2	50.4	63.1

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.

	Exceeds Residential Use SCO listed in Part 375 or CP-51
	Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 5A1 - Existing Surface Cover Soil Results Compared to Restricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

			Sample Location	SS-118	SS-120	SS-121	SS-122	SS-123	SS-124
			Sample ID	SS-118-1-2-092116	SS-120-0.5-1-092116	SS-121-0-0.17-092016	SS-122-1.5-2-092116	SS-123-0-0.17-092016	SS-124-1-2-092216
			Sample Date	9/21/2016	9/21/2016	9/20/2016	9/21/2016	9/20/2016	9/22/2016
			Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
			Lab SDG	R1609954	R1609954	R1609909	R1609954	R1609909	R1610012
			Start Depth	1	0.5	0	1.5	0	1
			End Depth	2	1	0.17	2	0.17	2
Chemical Name	CAS #	NY Part 375 Residential SCO[1]	NY Part 375 Restricted Residential SCO[1]						
VOCs									
1,1,1-Trichloroethane	71-55-6	100,000	100,000	2.8 U	3.5 U	5.2 U	5.9 U	8.3 U	4.7 J
1,1,2,2-Tetrachloroethane	79-34-5	35000[CP]	NC	2.8 U	3.5 U	5.2 UJ	5.9 UJ	8.3 UJ	4.7 U
1,1,2-Trichloroethane	79-00-5	NC	NC	2.8 U	3.5 U	5.2 U	5.9 U	8.3 U	4.7 U
1,1-Dichloroethane	75-34-3	19,000	26,000	2.8 U	3.5 U	5.2 U	5.9 U	8.3 U	4.7 U
1,1-Dichloroethene	75-35-4	100,000	100,000	2.8 U	3.5 U	5.2 U	5.9 U	8.3 U	4.7 U
1,2,3-Trichlorobenzene	87-61-6	NC	NC	2.8 U	3.5 U	5.2 UJ	5.9 UJ	8.3 UJ	4.7 U
1,2,4-Trichlorobenzene	120-82-1	NC	NC	2.8 U	3.5 U	5.2 UJ	5.9 UJ	8.3 UJ	4.7 U
1,2,4-Trimethylbenzene	95-63-6	47,000	52,000	2.8 U	3.5 U	5.2 UJ	5.9 UJ	8.3 UJ	1.8 J
1,2-Dibromo-3-chloropropane	96-12-8	NC	NC	2.8 U	3.5 U	5.2 UJ	5.9 UJ	8.3 UJ	4.7 R
1,2-Dibromoethane	106-93-4	NC	NC	2.8 U	3.5 U	5.2 U	5.9 U	8.3 U	4.7 UJ
1,2-Dichlorobenzene	95-50-1	100,000	100,000	2.8 U	3.5 U	5.2 UJ	5.9 UJ	8.3 UJ	4.7 R
1,2-Dichloroethane	107-06-2	2300	3100	2.8 U	3.5 U	5.2 U	5.9 U	8.3 U	4.7 UJ
1,2-Dichloropropane	78-87-5	NC	NC	2.8 U	3.5 U	5.2 U	5.9 U	8.3 U	4.7 UJ
1,3,5-Trimethylbenzene	108-67-8	47,000	52,000	2.8 U	3.5 U	5.2 UJ	5.9 UJ	8.3 UJ	4.7 R
1,3-Dichlorobenzene	541-73-1	17,000	49,000	2.8 U	3.5 U	5.2 UJ	5.9 UJ	8.3 UJ	4.7 R
1,4-Dichlorobenzene	106-46-7	9,800	13,000	2.8 U	3.5 U	5.2 UJ	5.9 UJ	8.3 UJ	4.7 R
1,4-Dioxane	123-91-1	9,800	13,000	55 R	70 R	100 R	120 R	170 R	94 R
2-Butanone	78-93-3	100,000 100,000[CP]	100,000	2.8 U	3.5 U	5.2 U	5.9 U	8.3 UJ	4.7 UJ
2-Hexanone	591-78-6	NC	NC	2.8 U	3.5 U	5.2 U	5.9 U	8.3 UJ	4.7 UJ
4-Isopropyltoluene	99-87-6	NC	NC	2.8 U	3.5 U	5.2 UJ	5.9 UJ	8.3 UJ	4.7 R
4-Methyl-2-Pentanone	108-10-1	NC	NC	2.8 U	3.5 U	5.2 U	5.9 U	8.3 UJ	4.7 UJ
Acetone	67-64-1	100,000	100,000	2.8 U	3.5 U	5.2 U	19	8.3 U	4.7 UJ
Benzene	71-43-2	2,900	4,800	2.8 U	3.5 U	5.2 U	5.9 U	8.3 U	0.29 J
Bromochloromethane	74-97-5	NC	NC	2.8 U	3.5 U	5.2 U	5.9 U	8.3 U	4.7 U
Bromodichloromethane	75-27-4	NC	NC	2.8 U	3.5 U	5.2 U	5.9 U	8.3 U	4.7 U
Bromoform	75-25-2	NC	NC	2.8 U	3.5 U	5.2 U	5.9 U	8.3 U	4.7 U
Bromomethane	74-83-9	NC	NC	2.8 U	3.5 U	5.2 U	5.9 U	8.3 U	4.7 U
Carbon disulfide	75-15-0	100,000[CP]	NC	2.8 U	3.5 U	5.2 U	5.9 UJ	8.3 U	3.5 J
Carbon Tetrachloride	56-23-5	1400	2,400	2.8 U	3.5 U	5.2 U	5.9 U	8.3 U	4.7 UJ
Chlorobenzene	108-90-7	100,000	100,000	2.8 U	3.5 U	5.2 U	5.9 U	8.3 U	4.7 UJ
Chloroethane	75-00-3	NC	NC	2.8 U	3.5 U	5.2 U	5.9 U	8.3 U	4.7 UJ
Chloroform	67-66-3	10,000	49,000	2.8 U	3.5 U	5.2 U	5.9 U	8.3 U	4.7 UJ
Chloromethane	74-87-3	NC	NC	2.8 U	3.5 U	5.2 U	5.9 U	8.3 U	4.7 UJ
cis-1,2-Dichloroethene	156-59-2	59,000	100,000	2.8 U	3.5 U	5.2 U	5.9 U	8.3 U	4.7 UJ
Cis-1,3-Dichloropropene	10061-01-5	NC	NC	2.8 U	3.5 U	5.2 U	5.9 U	8.3 U	4.7 UJ
Cyclohexane	110-82-7	NC	NC	2.8 UJ	3.5 UJ	5.2 UJ	5.9 U	8.3 U	4.7 UJ
Dibromochloromethane	124-48-1	NC	NC	2.8 U	3.5 U	5.2 U	5.9 U	8.3 U	4.7 UJ
Dichlorodifluoromethane	75-71-8	NC	NC	2.8 U	3.5 U	5.2 U	5.9 U	8.3 U	4.7 UJ
Ethylbenzene	100-41-4	30,000	41,000	2.8 U	3.5 U	5.2 U	5.9 U	8.3 U	4.7 UJ
Isopropylbenzene	98-82-8	100,000[CP]	NC	2.8 U	3.5 U	5.2 U	5.9 U	8.3 U	4.7 UJ
M,P-XYLENE	XYLMP	NC	NC	5.5 U	7 U	10 U	12 U	17 U	1.6 J
Methyl Acetate	79-20-9	NC	NC	2.8 U	3.5 U	5.2 U	5.9 U	8.3 U	4.7 UJ
Methylcyclohexane	108-87-2	NC	NC	2.8 UJ	3.5 UJ	5.2 UJ	5.9 U	8.3 U	1.7 J
Methylene Chloride	75-09-2	51,000	100,000	2.8 U	0.86 J	5.2 U	5.9 U	8.3 U	1.2 J
MTBE	1634-04-4	62,000	100,000	2.8 U	3.5 U	5.2 U	5.9 U	8.3 U	4.7 UJ
n-Butylbenzene	104-51-8	100,000	100,000	2.8 U	3.5 U	5.2 UJ	5.9 UJ	8.3 UJ	4.7 R
n-Propylbenzene	103-65-1	100,000	100,000	2.8 U	3.5 U	5.2 UJ	5.9 UJ	8.3 UJ	4.7 R
o-Xylene	95-47-6	NC	NC	2.8 U	3.5 U	5.2 U	5.9 U	8.3 U	4.7 UJ
sec-Butylbenzene	135-98-8	100,000	100,000	2.8 U	3.5 U	5.2 UJ	5.9 UJ	8.3 UJ	4.7 R
Styrene	100-42-5	NC	NC	2.8 U	3.5 U	5.2 U	5.9 U	8.3 U	4.7 UJ
Tert-Butylbenzene	98-06-6	100,000	100,000	2.8 U	3.5 U	5.2 UJ	5.9 UJ	8.3 UJ	4.7 R
Tetrachloroethene	127-18-4	5,500	19,000	2.8 U	3.5 U	5.2 U	5.9 U	8.3 U	2 J
Toluene	108-88-3	100,000	100,000	2.8 U	3.5 U	5.2 U	5.9 U	8.3 U	4.7 UJ
trans-1,2-Dichloroethene	156-60-5	100,000	100,000	2.8 U	3.5 U	5.2 U	5.9 U	8.3 U	4.7 UJ
Trans-1,3-Dichloropropene	10061-02-6	NC	NC	2.8 U	3.5 U	5.2 U	5.9 U	8.3 U	4.7 UJ
Trichloroethene	79-01-6	10,000	21,000	2.8 U	3.5 U	5.2 U	5.9 U	8.3 U	4.7 UJ
Trichlorofluoromethane	75-69-4	NC	NC	2.8 U	3.5 U	5.2 U	5.9 U	8.3 U	4.7 UJ
TRICHLOROTRIFLUOROETHANE	26523-64-8	NC	NC	2.8 U	3.5 U	5.2 U	5.9 U	8.3 U	4.7 U
Vinyl Chloride	75-01-4	210	900	2.8 U	3.5 U	5.2 U	5.9 U	8.3 U	4.7 UJ
Total VOC TICs	NA	NC	NC	53.1	46.4	0	120.4	66	62.3

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.

	Exceeds Residential Use SCO listed in Part 375 or CP-51
	Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 5A1 - Existing Surface Cover Soil Results Compared to Restricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

			Sample Location	SS-125	SS-129	SS-131	SS-133	SS-135	SS-136
			Sample ID	SS-125-1-2-092216	SS-129-0-0.17-092016	SS-131-0-0.17-092016	SS-133-1-2-092016	SS-135-0-0.17-091916	SS-136-0-0.17-091916
			Sample Date	9/22/2016	9/20/2016	9/20/2016	9/20/2016	9/19/2016	9/19/2016
			Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
			Lab SDG	R1610012	R1609909	R1609909	R1609909	R1609864	R1609864
			Start Depth	1	0	0	1	0	0
			End Depth	2	0.17	0.17	2	0.17	0.17
Chemical Name	CAS #	NY Part 375 Residential SCO[1]	NY Part 375 Restricted Residential SCO[1]						
VOCs									
1,1,1-Trichloroethane	71-55-6	100,000	100,000	4.5 UJ	9.1 U	4.7 U	4.4 UJ	8.1 U	3.6 U
1,1,2,2-Tetrachloroethane	79-34-5	35000[CP]	NC	4.5 UJ	9.1 U	4.7 U	4.4 UJ	8.1 UJ	3.6 U
1,1,2-Trichloroethane	79-00-5	NC	NC	4.5 UJ	9.1 U	4.7 U	4.4 UJ	8.1 U	3.6 U
1,1-Dichloroethane	75-34-3	19,000	26,000	4.5 UJ	9.1 U	4.7 U	4.4 UJ	8.1 U	3.6 U
1,1-Dichloroethene	75-35-4	100,000	100,000	4.5 UJ	9.1 U	4.7 U	4.4 UJ	8.1 U	3.6 U
1,2,3-Trichlorobenzene	87-61-6	NC	NC	4.5 UJ	9.1 U	4.7 U	4.4 UJ	8.1 UJ	3.6 U
1,2,4-Trichlorobenzene	120-82-1	NC	NC	0.76 J	9.1 U	4.7 U	4.4 UJ	8.1 UJ	3.6 U
1,2,4-Trimethylbenzene	95-63-6	47,000	52,000	3.9 J	9.1 U	4.7 U	4.4 UJ	8.1 UJ	3.6 U
1,2-Dibromo-3-chloropropane	96-12-8	NC	NC	4.5 UJ	9.1 UJ	4.7 UJ	4.4 UJ	8.1 UJ	3.6 U
1,2-Dibromoethane	106-93-4	NC	NC	4.5 UJ	9.1 U	4.7 U	4.4 UJ	8.1 U	3.6 U
1,2-Dichlorobenzene	95-50-1	100,000	100,000	4.5 UJ	9.1 U	4.7 U	4.4 UJ	8.1 UJ	3.6 U
1,2-Dichloroethane	107-06-2	2300	3100	4.5 UJ	9.1 U	4.7 U	4.4 UJ	8.1 U	3.6 U
1,2-Dichloropropane	78-87-5	NC	NC	4.5 UJ	9.1 U	4.7 U	4.4 UJ	8.1 U	3.6 U
1,3,5-Trimethylbenzene	108-67-8	47,000	52,000	1.6 J	9.1 U	4.7 U	4.4 UJ	8.1 UJ	3.6 U
1,3-Dichlorobenzene	541-73-1	17,000	49,000	4.5 UJ	9.1 U	4.7 U	4.4 UJ	8.1 UJ	3.6 U
1,4-Dichlorobenzene	106-46-7	9,800	13,000	4.5 UJ	9.1 U	4.7 U	4.4 UJ	8.1 UJ	3.6 U
1,4-Dioxane	123-91-1	9,800	13,000	90 R	180 R	94 R	87 R	160 R	15 J
2-Butanone	78-93-3	100,000 100,000[CP]	100,000	2.4 J	9.1 UJ	3.3 J	4.4 UJ	8.1 UJ	3.6 UJ
2-Hexanone	591-78-6	NC	NC	4.5 UJ	9.1 UJ	4.7 UJ	4.4 UJ	8.1 UJ	3.6 UJ
4-Isopropyltoluene	99-87-6	NC	NC	1.5 J	9.1 U	4.7 U	4.4 UJ	8.1 UJ	3.6 U
4-Methyl-2-Pentanone	108-10-1	NC	NC	3.5 J	9.1 UJ	4.7 UJ	4.4 UJ	8.1 UJ	3.6 UJ
Acetone	67-64-1	100,000	100,000	17 J	9.9	35	17 J	8.1 U	3.6 U
Benzene	71-43-2	2,900	4,800	0.41 J	9.1 U	4.7 U	4.4 UJ	8.1 U	3.6 U
Bromochloromethane	74-97-5	NC	NC	4.5 UJ	9.1 U	4.7 U	4.4 UJ	8.1 U	3.6 U
Bromodichloromethane	75-27-4	NC	NC	4.5 UJ	9.1 U	4.7 U	4.4 UJ	8.1 U	3.6 U
Bromoform	75-25-2	NC	NC	4.5 UJ	9.1 U	4.7 U	4.4 UJ	8.1 U	3.6 U
Bromomethane	74-83-9	NC	NC	4.5 UJ	9.1 U	4.7 U	4.4 UJ	8.1 U	3.6 U
Carbon disulfide	75-15-0	100,000[CP]	NC	1.5 J	9.1 U	4.7 U	4.4 UJ	8.1 U	3.6 U
Carbon Tetrachloride	56-23-5	1400	2,400	4.5 UJ	9.1 U	4.7 U	4.4 UJ	8.1 U	3.6 U
Chlorobenzene	108-90-7	100,000	100,000	4.5 UJ	9.1 U	4.7 U	4.4 UJ	8.1 U	3.6 U
Chloroethane	75-00-3	NC	NC	4.5 UJ	9.1 U	4.7 U	4.4 UJ	8.1 U	3.6 U
Chloroform	67-66-3	10,000	49,000	4.5 UJ	9.1 U	4.7 U	4.4 UJ	8.1 U	3.6 U
Chloromethane	74-87-3	NC	NC	4.5 UJ	9.1 U	4.7 U	4.4 UJ	8.1 U	3.6 U
cis-1,2-Dichloroethene	156-59-2	59,000	100,000	4.5 UJ	9.1 U	4.7 U	4.4 UJ	8.1 U	3.6 U
Cis-1,3-Dichloropropene	10061-01-5	NC	NC	4.5 UJ	9.1 U	4.7 U	4.4 UJ	8.1 U	3.6 U
Cyclohexane	110-82-7	NC	NC	2 J	9.1 U	4.7 U	4.4 UJ	8.1 U	3.6 U
Dibromochloromethane	124-48-1	NC	NC	4.5 UJ	9.1 U	4.7 U	4.4 UJ	8.1 U	3.6 U
Dichlorodifluoromethane	75-71-8	NC	NC	4.5 UJ	9.1 U	4.7 U	4.4 UJ	8.1 U	3.6 U
Ethylbenzene	100-41-4	30,000	41,000	0.59 J	9.1 U	4.7 U	4.4 UJ	8.1 U	3.6 U
Isopropylbenzene	98-82-8	100,000[CP]	NC	4.5 UJ	9.1 U	4.7 U	4.4 UJ	8.1 U	3.6 U
M,P-XYLENE	XYLMP	NC	NC	2.3 J	18 U	9.4 U	8.7 UJ	16 U	7.3 U
Methyl Acetate	79-20-9	NC	NC	4.5 UJ	9.1 U	2.8 J	4.4 UJ	8.1 U	3.6 U
Methylcyclohexane	108-87-2	NC	NC	5 J	9.1 U	4.7 U	4.4 UJ	8.1 U	3.6 U
Methylene Chloride	75-09-2	51,000	100,000	4.5 UJ	1.8 J	4.7 U	4.4 UJ	8.1 U	3.6 U
MTBE	1634-04-4	62,000	100,000	4.5 UJ	9.1 U	1.2 J	4.4 UJ	8.1 U	3.6 U
n-Butylbenzene	104-51-8	100,000	100,000	4.5 UJ	9.1 U	4.7 U	4.4 UJ	8.1 UJ	3.6 U
n-Propylbenzene	103-65-1	100,000	100,000	4.5 UJ	9.1 U	4.7 U	4.4 UJ	8.1 UJ	3.6 U
o-Xylene	95-47-6	NC	NC	4.5 UJ	9.1 U	4.7 U	4.4 UJ	8.1 U	3.6 U
sec-Butylbenzene	135-98-8	100,000	100,000	4.5 UJ	9.1 U	4.7 U	4.4 UJ	8.1 UJ	3.6 U
Styrene	100-42-5	NC	NC	4.5 UJ	9.1 U	4.7 U	4.4 UJ	8.1 U	3.6 U
Tert-Butylbenzene	98-06-6	100,000	100,000	4.5 UJ	9.1 U	4.7 U	4.4 UJ	8.1 UJ	3.6 U
Tetrachloroethene	127-18-4	5,500	19,000	4.5 UJ	9.1 U	4.7 U	4.4 UJ	8.1 U	3.6 U
Toluene	108-88-3	100,000	100,000	9.5 J	9.1 U	4.7 U	4.4 UJ	8.1 U	3.6 U
trans-1,2-Dichloroethene	156-60-5	100,000	100,000	4.5 UJ	9.1 U	4.7 U	4.4 UJ	8.1 U	3.6 U
Trans-1,3-Dichloropropene	10061-02-6	NC	NC	4.5 UJ	9.1 U	4.7 U	4.4 UJ	8.1 U	3.6 U
Trichloroethene	79-01-6	10,000	21,000	3.6 J	9.1 U	4.7 U	4.4 UJ	8.1 U	3.6 U
Trichlorofluoromethane	75-69-4	NC	NC	4.5 UJ	9.1 U	4.7 U	4.4 UJ	8.1 U	3.6 U
TRICHLOROTRIFLUOROETHANE	26523-64-8	NC	NC	4.5 UJ	9.1 U	4.7 U	4.4 UJ	8.1 U	3.6 U
Vinyl Chloride	75-01-4	210	900	4.5 UJ	9.1 U	4.7 U	4.4 UJ	8.1 U	3.6 U
Total VOC TICs	NA	NC	NC	162.1	61.8	58	69.1	0	77

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.

	Exceeds Residential Use SCO listed in Part 375 or CP-51
	Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 5A1 - Existing Surface Cover Soil Results Compared to Restricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

			Sample Location	SS-140	SS-141[BB]	SS-142	SS-143	SS-145	SS-146
			Sample ID	SS-140-0-0.17-091916	SS-141-1-2-092116	SS-142-0.5-1.5-092116	SS-143-0-0.17-091916	SS-145-0.5-1.5-092116	SS-146-0-0.17-091916
			Sample Date	9/19/2016	9/21/2016	9/21/2016	9/19/2016	9/21/2016	9/19/2016
			Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
			Lab SDG	R1609864	R1609954	R1609954	R1609864	R1609954	R1609864
			Start Depth	0	1	0.5	0	0.5	0
			End Depth	0.17	2	1.5	0.17	1.5	0.17
Chemical Name	**CAS #**	**NY Part 375 Residential SCO[1]**	**NY Part 375 Restricted Residential SCO[1]**						
VOCs									
1,1,1-Trichloroethane	71-55-6	100,000	100,000	12 U	7.2 U	6.5 U	4.8 U	8.2 U	4.4 U
1,1,2,2-Tetrachloroethane	79-34-5	35000[CP]	NC	12 U	7.2 U	6.5 U	4.8 U	8.2 UJ	4.4 U
1,1,2-Trichloroethane	79-00-5	NC	NC	12 U	7.2 U	6.5 U	4.8 U	8.2 U	4.4 U
1,1-Dichloroethane	75-34-3	19,000	26,000	12 U	7.2 U	6.5 U	4.8 U	8.2 U	4.4 U
1,1-Dichloroethene	75-35-4	100,000	100,000	12 U	7.2 U	6.5 U	4.8 U	8.2 U	4.4 U
1,2,3-Trichlorobenzene	87-61-6	NC	NC	12 U	7.2 U	6.5 U	4.8 U	8.2 UJ	4.4 U
1,2,4-Trichlorobenzene	120-82-1	NC	NC	12 U	7.2 U	6.5 U	4.8 U	8.2 UJ	4.4 U
1,2,4-Trimethylbenzene	95-63-6	47,000	52,000	5.3 J	7.2 U	1.5 J	4.8 U	8.2 UJ	4.4 U
1,2-Dibromo-3-chloropropane	96-12-8	NC	NC	12 UJ	7.2 U	6.5 U	4.8 U	8.2 UJ	4.4 U
1,2-Dibromoethane	106-93-4	NC	NC	12 U	7.2 U	6.5 U	4.8 U	8.2 U	4.4 U
1,2-Dichlorobenzene	95-50-1	100,000	100,000	12 U	7.2 U	6.5 U	4.8 U	8.2 UJ	4.4 U
1,2-Dichloroethane	107-06-2	2300	3100	12 U	7.2 U	6.5 U	4.8 U	8.2 U	4.4 U
1,2-Dichloropropane	78-87-5	NC	NC	12 U	7.2 U	6.5 U	4.8 U	8.2 U	4.4 U
1,3,5-Trimethylbenzene	108-67-8	47,000	52,000	12 U	7.2 U	6.5 U	4.8 U	8.2 UJ	4.4 U
1,3-Dichlorobenzene	541-73-1	17,000	49,000	12 U	7.2 U	6.5 U	4.8 U	8.2 UJ	4.4 U
1,4-Dichlorobenzene	106-46-7	9,800	13,000	12 U	7.2 U	6.5 U	4.8 U	8.2 UJ	4.4 U
1,4-Dioxane	123-91-1	9,800	13,000	230 R	140 R	130 R	97 R	44 J	87 R
2-Butanone	78-93-3	100,000 100,000[CP]	100,000	12 UJ	7.2 U	6.5 J	4.8 UJ	8.2 U	4.4 UJ
2-Hexanone	591-78-6	NC	NC	12 UJ	7.2 U	6.5 U	4.8 UJ	8.2 U	4.4 UJ
4-Isopropyltoluene	99-87-6	NC	NC	2.6 J	7.2 U	6.5 U	4.8 U	8.2 UJ	4.4 U
4-Methyl-2-Pentanone	108-10-1	NC	NC	12 UJ	7.2 U	6.5 U	4.8 UJ	8.2 U	4.4 UJ
Acetone	67-64-1	100,000	100,000	53	17	43	4.8 U	13	25
Benzene	71-43-2	2,900	4,800	12 U	7.2 U	0.54 J	4.8 U	8.2 U	4.4 U
Bromochloromethane	74-97-5	NC	NC	12 U	7.2 U	6.5 U	4.8 U	8.2 U	4.4 U
Bromodichloromethane	75-27-4	NC	NC	12 U	7.2 U	6.5 U	4.8 U	8.2 U	4.4 U
Bromoform	75-25-2	NC	NC	12 U	7.2 U	6.5 U	4.8 U	8.2 U	4.4 U
Bromomethane	74-83-9	NC	NC	12 U	7.2 U	6.5 U	4.8 U	8.2 U	4.4 U
Carbon disulfide	75-15-0	100,000[CP]	NC	12 U	7.2 U	6.5 U	4.8 U	8.2 U	4.4 U
Carbon Tetrachloride	56-23-5	1400	2,400	12 U	7.2 U	6.5 U	4.8 U	8.2 U	4.4 U
Chlorobenzene	108-90-7	100,000	100,000	12 U	7.2 U	6.5 U	4.8 U	8.2 U	4.4 U
Chloroethane	75-00-3	NC	NC	12 U	7.2 U	6.5 U	4.8 U	8.2 U	4.4 U
Chloroform	67-66-3	10,000	49,000	12 U	7.2 U	6.5 U	4.8 U	8.2 U	4.4 U
Chloromethane	74-87-3	NC	NC	12 U	7.2 U	6.5 U	4.8 U	8.2 U	4.4 U
cis-1,2-Dichloroethene	156-59-2	59,000	100,000	12 U	7.2 U	6.5 U	4.8 U	8.2 U	4.4 U
Cis-1,3-Dichloropropene	10061-01-5	NC	NC	12 U	7.2 U	6.5 U	4.8 U	8.2 U	4.4 U
Cyclohexane	110-82-7	NC	NC	12 U	7.2 UJ	6.5 UJ	4.8 U	8.2 UJ	4.4 U
Dibromochloromethane	124-48-1	NC	NC	12 U	7.2 U	6.5 U	4.8 U	8.2 U	4.4 U
Dichlorodifluoromethane	75-71-8	NC	NC	12 U	7.2 U	6.5 U	4.8 U	8.2 U	4.4 U
Ethylbenzene	100-41-4	30,000	41,000	12 U	7.2 U	6.5 U	4.8 U	8.2 U	4.4 U
Isopropylbenzene	98-82-8	100,000[CP]	NC	2.8 J	7.2 U	6.5 U	4.8 U	8.2 U	4.4 U
M,P-XYLENE	XYLMP	NC	NC	23 U	14 U	1.8 J	9.7 U	16 U	8.7 U
Methyl Acetate	79-20-9	NC	NC	7.7 J	7.2 U	6.5 U	4.8 U	8.2 U	4.4 U
Methylcyclohexane	108-87-2	NC	NC	12 U	7.2 UJ	6.5 UJ	4.8 U	8.2 UJ	4.4 U
Methylene Chloride	75-09-2	51,000	100,000	12 U	7.2 U	2.6 J	4.8 U	1.9 J	4.4 U
MTBE	1634-04-4	62,000	100,000	12 U	1.6 J	6.5 U	4.8 U	8.2 U	4.4 U
n-Butylbenzene	104-51-8	100,000	100,000	12 U	7.2 U	6.5 U	4.8 U	8.2 UJ	4.4 U
n-Propylbenzene	103-65-1	100,000	100,000	12 U	7.2 U	6.5 U	4.8 U	8.2 UJ	4.4 U
o-Xylene	95-47-6	NC	NC	12 U	7.2 U	6.5 U	4.8 U	8.2 U	4.4 U
sec-Butylbenzene	135-98-8	100,000	100,000	12 U	7.2 U	6.5 U	4.8 U	8.2 UJ	4.4 U
Styrene	100-42-5	100,000	NC	12 U	7.2 U	6.5 U	4.8 U	8.2 U	4.4 U
Tert-Butylbenzene	98-06-6	100,000	100,000	8.3 J	7.2 U	6.5 U	4.8 U	8.2 UJ	4.4 U
Tetrachloroethene	127-18-4	5,500	19,000	12 U	7.2 U	6.5 U	4.8 U	8.2 U	4.4 U
Toluene	108-88-3	100,000	100,000	12 U	7.2 U	6.5 U	4.8 U	8.2 U	4.4 U
trans-1,2-Dichloroethene	156-60-5	100,000	100,000	12 U	7.2 U	6.5 U	4.8 U	8.2 U	4.4 U
Trans-1,3-Dichloropropene	10061-02-6	NC	NC	12 U	7.2 U	6.5 U	4.8 U	8.2 U	4.4 U
Trichloroethene	79-01-6	10,000	21,000	12 U	7.2 U	6.5 U	4.8 U	8.2 U	4.4 U
Trichlorofluoromethane	75-69-4	NC	NC	12 U	7.2 U	6.5 U	4.8 U	8.2 U	4.4 U
TRICHLOROTRIFLUOROETHANE	26523-64-8	NC	NC	12 U	7.2 U	6.5 U	4.8 U	8.2 U	4.4 U
Vinyl Chloride	75-01-4	210	900	12 U	7.2 U	6.5 U	4.8 U	8.2 U	4.4 U
Total VOC TICs	NA	NC	NC	0	562	181.3	19.9	118	101.4

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.

	Exceeds Residential Use SCO listed in Part 375 or CP-51
	Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 5A1 - Existing Surface Cover Soil Results Compared to Restricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

			Sample Location	SS-147	SS-148	SS-150	SS-150	SS-152	SS-153
			Sample ID	SS-147-0.5-1.5-092116	SS-148-0-0.17-092016	DUP-006-091916	SS-150-0-0.17-091916	SS-152-0-0.17-091916	SS-153-0-0.17-091916
			Sample Date	9/21/2016	9/20/2016	9/19/2016	9/19/2016	9/19/2016	9/19/2016
			Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
			Lab SDG	R1609954	R1609909	R1609864	R1609864	R1609864	R1609864
			Start Depth	0.5	0	0	0	0	0
			End Depth	1.5	0.17	0.17	0.17	0.17	0.17
Chemical Name	**CAS #**	**NY Part 375 Residential SCO[1]**	**NY Part 375 Restricted Residential SCO[1]**						
VOCs									
1,1,1-Trichloroethane	71-55-6	100,000	100,000	6.2 U	6.2 U	3.8 U	3.1 U	5 U	4.6 U
1,1,2,2-Tetrachloroethane	79-34-5	35000[CP]	NC	6.2 U	6.2 U	3.8 U	3.1 U	5 U	4.6 U
1,1,2-Trichloroethane	79-00-5	NC	NC	6.2 U	6.2 UJ	3.8 U	3.1 U	5 U	4.6 U
1,1-Dichloroethane	75-34-3	19,000	26,000	6.2 U	6.2 U	3.8 U	3.1 U	5 U	4.6 U
1,1-Dichloroethene	75-35-4	100,000	100,000	6.2 U	6.2 U	3.8 U	3.1 U	5 U	4.6 U
1,2,3-Trichlorobenzene	87-61-6	NC	NC	6.2 U	6.2 U	3.8 U	3.1 U	5 U	4.6 U
1,2,4-Trichlorobenzene	120-82-1	NC	NC	6.2 U	6.2 U	3.8 U	3.1 U	5 U	4.6 U
1,2,4-Trimethylbenzene	95-63-6	47,000	52,000	1.1 J	6.2 U	3.8 U	3.1 U	5 U	4.6 U
1,2-Dibromo-3-chloropropane	96-12-8	NC	NC	6.2 U	6.2 UJ	3.8 U	3.1 U	5 U	4.6 U
1,2-Dibromoethane	106-93-4	NC	NC	6.2 U	6.2 UJ	3.8 U	3.1 U	5 U	4.6 U
1,2-Dichlorobenzene	95-50-1	100,000	100,000	6.2 U	6.2 U	3.8 U	3.1 U	5 U	4.6 U
1,2-Dichloroethane	107-06-2	2300	3100	6.2 U	6.2 U	3.8 U	3.1 U	5 U	4.6 U
1,2-Dichloropropane	78-87-5	NC	NC	6.2 U	6.2 U	3.8 U	3.1 U	5 U	4.6 U
1,3,5-Trimethylbenzene	108-67-8	47,000	52,000	6.2 U	6.2 U	3.8 U	3.1 U	5 U	4.6 U
1,3-Dichlorobenzene	541-73-1	17,000	49,000	6.2 U	6.2 U	3.8 U	3.1 U	5 U	4.6 U
1,4-Dichlorobenzene	106-46-7	9,800	13,000	6.2 U	6.2 U	3.8 U	3.1 U	5 U	4.6 U
1,4-Dioxane	123-91-1	9,800	13,000	120 R	120 R	77 R	63 R	100 R	91 R
2-Butanone	78-93-3	100,000 100,000[CP]	100,000	6.2 U	6.2 UJ	3.8 UJ	3.1 UJ	5 UJ	4.6 UJ
2-Hexanone	591-78-6	NC	NC	6.2 U	6.2 R	3.8 UJ	3.1 UJ	5 UJ	4.6 UJ
4-Isopropyltoluene	99-87-6	NC	NC	6.2 U	6.2 U	3.8 U	3.1 U	5 U	4.6 U
4-Methyl-2-Pentanone	108-10-1	NC	NC	6.2 U	6.2 UJ	3.8 UJ	3.1 UJ	5 UJ	4.6 UJ
Acetone	67-64-1	100,000	100,000	8.9	6.2 U	3.8 U	11	37	4.6 U
Benzene	71-43-2	2,900	4,800	6.2 U	6.2 U	3.8 U	3.1 U	5 U	4.6 U
Bromochloromethane	74-97-5	NC	NC	6.2 U	6.2 U	3.8 U	3.1 U	5 U	4.6 U
Bromodichloromethane	75-27-4	NC	NC	6.2 U	6.2 U	3.8 U	3.1 U	5 U	4.6 U
Bromoform	75-25-2	NC	NC	6.2 U	6.2 U	3.8 U	3.1 U	5 U	4.6 U
Bromomethane	74-83-9	NC	NC	6.2 U	6.2 R	3.8 U	3.1 U	5 U	4.6 U
Carbon disulfide	75-15-0	100,000[CP]	NC	6.2 U	6.2 U	3.8 U	3.1 U	5 U	4.6 U
Carbon Tetrachloride	56-23-5	1400	2,400	6.2 U	6.2 U	3.8 U	3.1 U	5 U	4.6 U
Chlorobenzene	108-90-7	100,000	100,000	6.2 U	6.2 UJ	3.8 U	3.1 U	5 U	4.6 U
Chloroethane	75-00-3	NC	NC	6.2 U	6.2 U	3.8 U	3.1 U	5 U	4.6 U
Chloroform	67-66-3	10,000	49,000	6.2 U	6.2 U	3.8 U	3.1 U	5 U	4.6 U
Chloromethane	74-87-3	NC	NC	6.2 U	6.2 U	3.8 U	3.1 U	5 U	4.6 U
cis-1,2-Dichloroethene	156-59-2	59,000	100,000	6.2 U	6.2 U	3.8 U	3.1 U	5 U	4.6 U
Cis-1,3-Dichloropropene	10061-01-5	NC	NC	6.2 U	6.2 UJ	3.8 U	3.1 U	5 U	4.6 U
Cyclohexane	110-82-7	NC	NC	6.2 UJ	6.2 U	3.8 U	3.1 U	5 U	4.6 U
Dibromochloromethane	124-48-1	NC	NC	6.2 U	6.2 U	3.8 U	3.1 U	5 U	4.6 U
Dichlorodifluoromethane	75-71-8	NC	NC	6.2 U	6.2 U	3.8 U	3.1 U	5 U	4.6 U
Ethylbenzene	100-41-4	30,000	41,000	6.2 U	6.2 U	3.8 U	3.1 U	5 U	4.6 U
Isopropylbenzene	98-82-8	100,000[CP]	NC	6.2 U	6.2 U	3.8 U	3.1 U	5 U	4.6 U
M,P-XYLENE	XYLMP	NC	NC	12 U	12 U	7.7 U	6.3 U	10 U	9.1 U
Methyl Acetate	79-20-9	NC	NC	6.2 U	6.2 R	3.8 U	3.1 U	5 U	4.6 U
Methylcyclohexane	108-87-2	NC	NC	6.2 UJ	6.2 U	3.8 U	3.1 U	5 U	4.6 U
Methylene Chloride	75-09-2	51,000	100,000	0.74 J	6.2 U	3.8 U	3.1 U	5 U	4.6 U
MTBE	1634-04-4	62,000	100,000	6.2 U	6.2 U	3.8 U	3.1 U	5 U	4.6 U
n-Butylbenzene	104-51-8	100,000	100,000	6.2 U	6.2 U	3.8 U	3.1 U	5 U	4.6 U
n-Propylbenzene	103-65-1	100,000	100,000	6.2 U	6.2 U	3.8 U	3.1 U	5 U	4.6 U
o-Xylene	95-47-6	NC	NC	6.2 U	6.2 U	3.8 U	3.1 U	5 U	4.6 U
sec-Butylbenzene	135-98-8	100,000	100,000	6.2 U	6.2 U	3.8 U	3.1 U	5 U	4.6 U
Styrene	100-42-5	NC	NC	6.2 U	6.2 UJ	3.8 U	3.1 U	5 U	4.6 U
Tert-Butylbenzene	98-06-6	100,000	100,000	6.2 U	6.2 U	3.8 U	3.1 U	5 U	4.6 U
Tetrachloroethene	127-18-4	5,500	19,000	6.2 U	6.2 U	3.8 U	3.1 U	5 U	4.6 U
Toluene	108-88-3	100,000	100,000	6.2 U	6.2 U	3.8 U	3.1 U	5 U	4.6 U
trans-1,2-Dichloroethene	156-60-5	100,000	100,000	6.2 U	6.2 U	3.8 U	3.1 U	5 U	4.6 U
Trans-1,3-Dichloropropene	10061-02-6	NC	NC	6.2 U	6.2 UJ	3.8 U	3.1 U	5 U	4.6 U
Trichloroethene	79-01-6	10,000	21,000	6.2 U	6.2 U	3.8 U	3.1 U	5 U	4.6 U
Trichlorofluoromethane	75-69-4	NC	NC	6.2 U	6.2 U	3.8 U	3.1 U	5 U	4.6 U
TRICHLOROTRIFLUOROETHANE	26523-64-8	NC	NC	6.2 U	6.2 U	3.8 U	3.1 U	5 U	4.6 U
Vinyl Chloride	75-01-4	210	900	6.2 U	6.2 U	3.8 U	3.1 U	5 U	4.6 U
Total VOC TICs	NA	NC	NC	553.2	15.9	61.1	62.4	100.4	11

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.

	Exceeds Residential Use SCO listed in Part 375 or CP-51
	Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 5B - Surface Soil Results Compared to Restricted SCOs
SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

			Sample Location	SS-101	SS-103	SS-105	SS-106
			Sample ID	SS-101-0-0.17-092016	SS-103-0-0.17-092016	SS-105-0-0.17-091916	SS-106-0-0.17-091916
			Sample Date	9/20/2016	9/20/2016	9/19/2016	9/19/2016
			Unit	µg/kg	µg/kg	µg/kg	µg/kg
			Lab SDG	2177436	2177436	2176860	2176860
			Start Depth	0	0	0	0
			End Depth	0.17	0.17	0.17	0.17
Chemical Name	**CAS #**	**NY Part 375 Residential SCO[1]**	**NY Part 375 Restricted Residential SCO[1]**				
SVOCs							
1,1'-Biphenyl	92-52-4	NC	NC	119 U	123 U	168 U	13.6 J
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	NC	119 U	123 U	168 U	149 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	NC	238 U	246 U	335 U	298 U
2,4,5-Trichlorophenol	95-95-4	100,000[CP]	NC	238 U	246 U	335 U	298 U
2,4,6-Trichlorophenol	88-06-2	NC	NC	238 U	246 U	335 U	298 U
2,4-Dichlorophenol	120-83-2	100,000[CP]	NC	238 U	246 U	335 U	298 U
2,4-Dimethylphenol	105-67-9	NC	NC	238 U	246 U	335 U	298 U
2,4-Dinitrophenol	51-28-5	100,000[CP]	NC	417 U	430 U	335 U	298 U
2,4-Dinitrotoluene	121-14-2		NC	119 U	123 U	168 U	149 U
2,6-Dinitrotoluene	606-20-2	1030[CP]	NC	119 U	123 U	168 U	149 U
2-Chloronaphthalene	91-58-7	NC	NC	119 U	123 U	168 U	149 U
2-Chlorophenol	95-57-8	100,000[CP]	NC	238 U	246 U	335 U	298 U
2-Methylnaphthalene	91-57-6	410[CP]	NC	119 U	123 U	16.4 J	145 J
2-Methylphenol	95-48-7	100,000	100,000	238 U	246 U	335 U	298 U
2-Nitroaniline	88-74-4	NC	NC	238 U	246 U	335 U	298 U
2-Nitrophenol	88-75-5	NC	NC	238 U	246 U	335 U	298 U
3,3-Dichlorobenzidine	91-94-1	NC	NC	238 U	246 U	335 U	298 U
3-Nitroaniline	99-09-2	NC	NC	238 U	246 U	335 U	298 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	NC	238 U	246 U	335 U	298 U
4-Bromophenyl-phenylether	101-55-3	NC	NC	119 U	123 U	168 U	149 U
4-Chloro-3-methylphenol	59-50-7	NC	NC	238 U	246 U	335 U	298 U
4-Chloroaniline	106-47-8	100,000[CP]	NC	238 U	246 U	335 U	298 U
4-Chlorophenyl-phenylether	7005-72-3	NC	NC	119 U	123 U	168 U	149 U
4-Nitroaniline	100-01-6	NC	NC	238 U	246 U	335 U	298 U
4-Nitrophenol	100-02-7	NC	NC	238 U	246 U	335 U	298 U
Acenaphthene	83-32-9	100,000	100,000	59.6 U	61.4 U	13.6 J	52 J
Acenaphthylene	208-96-8	100,000	100,000	59.6 U	40.4 J	48.7 J	73.4 J
Acetophenone	98-86-2	NC	NC	119 U	123 U	168 U	149 U
Anthracene	120-12-7	100,000	100,000	59.6 U	79.7	96.2	233
Atrazine	1912-24-9	NC	NC	119 U	123 U	168 U	149 U
Benzaldehyde	100-52-7	NC	NC	238 U	246 U	108 J	175 J
Benzidine	92-87-5	NC	NC	238 U	246 U	335 U	298 U
Benzo[a]anthracene	56-55-3	1,000	1,000	59.6 U	286	500	1,000
Benzo[a]pyrene	50-32-8	1,000	1,000	51.9 J	315	613	1,130
Benzo[b]fluoranthene	205-99-2	1,000	1,000	73.6	440	698	1,490
Benzo[g,h,i]perylene	191-24-2	100,000	100,000	41.9 J	239	581	696
Benzo[k]fluoranthene	207-08-9	1,000	3900	59.6 U	160	255	527
Bis(2-Chloroethoxy)methane	111-91-1	NC	NC	119 U	123 U	168 U	149 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	NC	119 U	123 U	168 U	149 U
Bis(2-Chloroisopropyl)ether	108-60-1	NC	NC	119 U	123 U	168 U	149 U
Bis(2-Ethylhexyl)phthalate	117-81-7	50,000[CP]	NC	298 U	307 U	417	149 U
Butylbenzylphthalate	85-68-7	100,000[CP]	NC	119 U	123 U	168 U	149 U
Caprolactam	105-60-2	NC	NC	238 U	246 U	335 UJ	298 UJ
Carbazole	86-74-8	NC	NC	119 U	40.8 J	41.3 J	150
Chrysene	218-01-9	1,000	3,900	45.8 J	309	610	1,180
Dibenzo[a,h]Anthracene	53-70-3	330	330	59.6 U	64.4	153	171
Dibenzofuran	132-64-9	14,000	59,000	119 U	123 U	168 U	63.9 J
Diethylphthalate	84-66-2	100,000[CP]	NC	119 U	123 U	168 U	149 U
Dimethylphthalate	131-11-3	100,000[CP]	NC	119 U	123 U	168 U	149 U
Di-n-butylphthalate	84-74-2	100,000[CP]	NC	119 U	123 U	168 U	149 U
Di-n-octylphthalate	117-84-0	100,000[CP]	NC	119 U	123 U	168 UJ	149 UJ
Fluoranthene	206-44-0	100,000	100,000	102	637	1010	1,940
Fluorene	86-73-7	100,000	100,000	59.6 U	61.4 U	15.8 J	63.4 J
Hexachlorobenzene	118-74-1	330 410[CP]	1,200	119 U	123 U	168 U	149 U
Hexachlorobutadiene	87-68-3	NC	NC	119 U	123 U	168 U	149 U
Hexachlorocyclopentadiene	77-47-4	NC	NC	238 U	246 U	335 U	298 U
Hexachloroethane	67-72-1	NC	NC	119 U	123 U	168 U	149 U
Indeno[1,2,3-cd]pyrene	193-39-5	500	500	53.8 J	242	359	756
Isophorone	78-59-1	100,000[CP]	NC	119 U	123 U	168 U	149 U
m-Cresol & p-Cresol	MEPH1314	NC	NC	238 U	246 U	335 U	298 U
Naphthalene	91-20-3	100,000	100,000	59.6 U	61.4 U	83.8 U	119
Nitrobenzene	98-95-3	3,700[CP]	15,000[CP]	119 U	123 U	168 U	149 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	NC	119 U	123 U	168 U	149 U
N-Nitrosodiphenylamine	86-30-6	NC	NC	119 U	123 U	168 U	149 U
Pentachlorophenol	87-86-5	2,400	6,700	238 U	246 U	335 U	298 U
Phenanthrene	85-01-8	100,000	100,000	45.7 J	302	427	1,100
Phenol	108-95-2	100,000	100,000	238 U	246 U	335 U	298 U
Pyrene	129-00-0	100,000	100,000	83.3	508	943	2,280
Pyridine	110-86-1	NC	NC	238 U	246 U	335 U	298 U
Total SVOC TICs	NA	NC	NC	29,248	18,867	31,100	59,940

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.

	Exceeds Residential Use SCO listed in Part 375 or CP-51
	Concentration exceeds Part 375 Residential, Restricted Residential SCOs

Table 5B - Surface Soil Results Compared to Restricted SCOs
SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

			Sample Location	SS-108	SS-109	SS-111	SS-112
			Sample ID	SS-108-0-0.17-091916	SS-109-0-0.17-091916	SS-111-0-0.17-091916	SS-112-0-0.17-091916
			Sample Date	9/19/2016	9/19/2016	9/19/2016	9/19/2016
			Unit	µg/kg	µg/kg	µg/kg	µg/kg
			Lab SDG	2176860	2176860	2176860	2176860
			Start Depth	0	0	0	0
			End Depth	0.17	0.17	0.17	0.17
Chemical Name	CAS #	NY Part 375 Residential SCO[1]	NY Part 375 Restricted Residential SCO[1]				
SVOCs							
1,1'-Biphenyl	92-52-4	NC	NC	130 U	36.1 J	58.7 J	79.8 J
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	NC	130 U	152 U	170 U	139 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	NC	260 U	304 U	340 U	277 U
2,4,5-Trichlorophenol	95-95-4	100,000[CP]	NC	260 U	304 U	340 U	277 U
2,4,6-Trichlorophenol	88-06-2	NC	NC	260 U	304 U	340 U	277 U
2,4-Dichlorophenol	120-83-2	100,000[CP]	NC	260 U	304 U	340 U	277 U
2,4-Dimethylphenol	105-67-9	NC	NC	260 U	304 U	340 U	277 U
2,4-Dinitrophenol	51-28-5	100,000[CP]	NC	260 U	304 U	340 U	277 U
2,4-Dinitrotoluene	121-14-2		NC	130 U	152 U	170 U	139 U
2,6-Dinitrotoluene	606-20-2	1030[CP]	NC	130 U	152 U	170 U	139 U
2-Chloronaphthalene	91-58-7	NC	NC	130 U	152 U	170 U	139 U
2-Chlorophenol	95-57-8	100,000[CP]	NC	260 U	304 U	340 U	277 U
2-Methylnaphthalene	91-57-6	410[CP]	NC	11.2 J	404 J	725 J	571 J
2-Methylphenol	95-48-7	100,000	100,000	260 U	304 U	340 U	24.4 J
2-Nitroaniline	88-74-4	NC	NC	260 U	304 U	340 U	277 U
2-Nitrophenol	88-75-5	NC	NC	260 U	304 U	340 U	277 U
3,3-Dichlorobenzidine	91-94-1	NC	NC	260 U	304 U	340 U	277 U
3-Nitroaniline	99-09-2	NC	NC	260 U	304 U	340 U	277 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	NC	260 U	304 U	340 U	277 U
4-Bromophenyl-phenylether	101-55-3	NC	NC	130 U	152 U	170 U	139 U
4-Chloro-3-methylphenol	59-50-7	NC	NC	260 U	304 U	340 U	277 U
4-Chloroaniline	106-47-8	100,000[CP]	NC	260 U	304 U	340 U	277 U
4-Chlorophenyl-phenylether	7005-72-3	NC	NC	130 U	152 U	170 U	139 U
4-Nitroaniline	100-01-6	NC	NC	260 U	304 U	340 U	277 U
4-Nitrophenol	100-02-7	NC	NC	260 U	304 U	340 U	277 U
Acenaphthene	83-32-9	100,000	100,000	11.1 J	24.4 J	43.3 J	247
Acenaphthylene	208-96-8	100,000	100,000	16.9 J	180	148	357
Acetophenone	98-86-2	NC	NC	130 U	152 U	170 U	139 U
Anthracene	120-12-7	100,000	100,000	35.1 J	247	222	901
Atrazine	1912-24-9	NC	NC	130 U	24.2 J	170 U	139 U
Benzaldehyde	100-52-7	NC	NC	59.3 J	122 J	246 J	495
Benzidine	92-87-5	NC	NC	260 U	304 U	340 U	277 U
Benzo[a]anthracene	56-55-3	1,000	1,000	172	756	951	2,740
Benzo[a]pyrene	50-32-8	1,000	1,000	228	995	1,070	2,860
Benzo[b]fluoranthene	205-99-2	1,000	1,000	304	1,820	1,740	3,650
Benzo[g,h,i]perylene	191-24-2	100,000	100,000	162	693	694	1,570
Benzo[k]fluoranthene	207-08-9	1,000	3900	109	597	627	1,390
Bis(2-Chloroethoxy)methane	111-91-1	NC	NC	130 U	152 U	170 U	139 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	NC	130 U	152 U	170 U	139 U
Bis(2-Chloroisopropyl)ether	108-60-1	NC	NC	130 U	152 U	170 U	139 U
Bis(2-Ethylhexyl)phthalate	117-81-7	50,000[CP]	NC	130 U	152 U	170 U	139 U
Butylbenzylphthalate	85-68-7	100,000[CP]	NC	130 U	152 U	170 U	139 U
Caprolactam	105-60-2	NC	NC	260 UJ	304 UJ	340 UJ	277 UJ
Carbazole	86-74-8	NC	NC	23.9 J	105 J	113 J	337
Chrysene	218-01-9	1,000	3,900	210	1,100	1,210	2,910
Dibenzo[a,h]Anthracene	53-70-3	330	330	44 J	196	182	424
Dibenzofuran	132-64-9	14,000	59,000	130 U	129 J	196	233
Diethylphthalate	84-66-2	100,000[CP]	NC	130 U	152 U	170 U	139 U
Dimethylphthalate	131-11-3	100,000[CP]	NC	130 U	152 U	170 U	139 U
Di-n-butylphthalate	84-74-2	100,000[CP]	NC	130 U	152 U	170 U	139 U
Di-n-octylphthalate	117-84-0	100,000[CP]	NC	130 UJ	152 UJ	170 UJ	139 UJ
Fluoranthene	206-44-0	100,000	100,000	314	1090	1420	5170
Fluorene	86-73-7	100,000	100,000	11.2 J	76 U	55 J	256
Hexachlorobenzene	118-74-1	330 410[CP]	1,200	130 U	152 U	170 U	139 U
Hexachlorobutadiene	87-68-3	NC	NC	130 U	152 U	170 U	139 U
Hexachlorocyclopentadiene	77-47-4	NC	NC	260 U	304 U	340 U	277 U
Hexachloroethane	67-72-1	NC	NC	130 U	152 U	170 U	139 U
Indeno[1,2,3-cd]pyrene	193-39-5	500	500	175	738	734	1,700
Isophorone	78-59-1	100,000[CP]	NC	130 U	152 U	170 U	139 U
m-Cresol & p-Cresol	MEPH1314	NC	NC	260 U	304 U	340 U	113 J
Naphthalene	91-20-3	100,000	100,000	65.1 U	356	523	373
Nitrobenzene	98-95-3	3,700[CP]	15,000[CP]	130 U	152 U	170 U	139 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	NC	130 U	152 U	170 U	139 U
N-Nitrosodiphenylamine	86-30-6	NC	NC	130 U	152 U	170 U	139 U
Pentachlorophenol	87-86-5	2,400	6,700	260 U	304 U	340 U	277 U
Phenanthrene	85-01-8	100,000	100,000	147	505	975	3710
Phenol	108-95-2	100,000	100,000	280	304 U	34.3 J	277 U
Pyrene	129-00-0	100,000	100,000	362	1,330	1,810	5,830
Pyridine	110-86-1	NC	NC	260 U	304 U	340 U	277 U
Total SVOC TICs	NA	NC	NC	11,427	25,483	33,122	90,150

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.

(green)	Exceeds Residential Use SCO listed in Part 375 or CP-51
(orange)	Concentration exceeds Part 375 Residential, Restricted Residential SCOs

Table 5B - Surface Soil Results Compared to Restricted SCOs
SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

			Sample Location	SS-114	SS-115	SS-116	SS-123
			Sample ID	SS-114-0-0.17-092016	SS-115-0-0.17-092016	SS-116-0-0.17-092016	SS-123-0-0.17-092016
			Sample Date	9/20/2016	9/20/2016	9/20/2016	9/20/2016
			Unit	µg/kg	µg/kg	µg/kg	µg/kg
			Lab SDG	2177436	2177436	2177436	2177436
			Start Depth	0	0	0	0
			End Depth	0.17	0.17	0.17	0.17
Chemical Name	**CAS #**	**NY Part 375 Residential SCO[1]**	**NY Part 375 Restricted Residential SCO[1]**				
SVOCs							
1,1'-Biphenyl	92-52-4	NC	NC	89.1 J	115 J	40.9 J	91.8 J
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	NC	139 U	140 U	169 U	150 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	NC	277 U	281 U	337 U	299 U
2,4,5-Trichlorophenol	95-95-4	100,000[CP]	NC	277 U	281 U	337 U	299 U
2,4,6-Trichlorophenol	88-06-2	NC	NC	277 U	281 U	337 U	299 U
2,4-Dichlorophenol	120-83-2	100,000[CP]	NC	277 U	281 U	337 U	299 U
2,4-Dimethylphenol	105-67-9	NC	NC	277 U	281 U	337 U	299 U
2,4-Dinitrophenol	51-28-5	100,000[CP]	NC	486 U	491 U	590 U	524 U
2,4-Dinitrotoluene	121-14-2		NC	139 U	140 U	169 U	150 U
2,6-Dinitrotoluene	606-20-2	1030[CP]	NC	139 U	140 U	169 U	150 U
2-Chloronaphthalene	91-58-7	NC	NC	139 U	140 U	169 U	150 U
2-Chlorophenol	95-57-8	100,000[CP]	NC	277 U	281 U	337 U	299 U
2-Methylnaphthalene	91-57-6	410[CP]	NC	745	945	372	1,190
2-Methylphenol	95-48-7	100,000	100,000	277 U	281 U	337 U	299 U
2-Nitroaniline	88-74-4	NC	NC	277 U	281 U	337 U	299 U
2-Nitrophenol	88-75-5	NC	NC	277 U	281 U	337 U	299 U
3,3-Dichlorobenzidine	91-94-1	NC	NC	277 U	281 U	337 U	299 U
3-Nitroaniline	99-09-2	NC	NC	277 U	281 U	337 U	299 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	NC	277 U	281 U	337 U	299 U
4-Bromophenyl-phenylether	101-55-3	NC	NC	139 U	140 U	169 U	150 U
4-Chloro-3-methylphenol	59-50-7	NC	NC	277 U	281 U	337 U	299 U
4-Chloroaniline	106-47-8	100,000[CP]	NC	277 U	281 U	337 U	68.7 J
4-Chlorophenyl-phenylether	7005-72-3	NC	NC	139 U	140 U	169 U	150 U
4-Nitroaniline	100-01-6	NC	NC	277 U	281 U	337 U	299 U
4-Nitrophenol	100-02-7	NC	NC	277 U	281 U	337 U	299 U
Acenaphthene	83-32-9	100,000	100,000	69.4 U	206	46.3 J	74.8 U
Acenaphthylene	208-96-8	100,000	100,000	69.4 U	70.1 U	84.3 U	212
Acetophenone	98-86-2	NC	NC	139 U	140 U	169 U	150 U
Anthracene	120-12-7	100,000	100,000	73.7	587	119	331
Atrazine	1912-24-9	NC	NC	139 U	140 U	169 U	150 U
Benzaldehyde	100-52-7	NC	NC	277 U	281 U	335 J	532
Benzidine	92-87-5	NC	NC	277 U	281 U	337 U	299 U
Benzo[a]anthracene	56-55-3	1,000	1,000	298	1,200	391	834
Benzo[a]pyrene	50-32-8	1,000	1,000	364	1,070	409	1,010
Benzo[b]fluoranthene	205-99-2	1,000	1,000	541	1,430	558	1,740
Benzo[g,h,i]perylene	191-24-2	100,000	100,000	261	647	277	762
Benzo[k]fluoranthene	207-08-9	1,000	3900	186	508	197	554
Bis(2-Chloroethoxy)methane	111-91-1	NC	NC	139 U	140 U	169 U	150 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	NC	139 U	140 U	169 U	150 U
Bis(2-Chloroisopropyl)ether	108-60-1	NC	NC	139 U	140 U	169 U	150 U
Bis(2-Ethylhexyl)phthalate	117-81-7	50,000[CP]	NC	347 U	351 U	422 U	374 U
Butylbenzylphthalate	85-68-7	100,000[CP]	NC	139 U	140 U	169 U	38.1 J
Caprolactam	105-60-2	NC	NC	277 U	281 U	337 U	299 U
Carbazole	86-74-8	NC	NC	54.9 J	377	80.7 J	139 J
Chrysene	218-01-9	1,000	3,900	453	1,270	556	1,230
Dibenzo[a,h]Anthracene	53-70-3	330	330	76.6	201	86.4	224
Dibenzofuran	132-64-9	14,000	59,000	177	384	99.7 J	320
Diethylphthalate	84-66-2	100,000[CP]	NC	139 U	140 U	169 U	150 U
Dimethylphthalate	131-11-3	100,000[CP]	NC	139 U	140 U	169 U	150 U
Di-n-butylphthalate	84-74-2	100,000[CP]	NC	139 U	140 U	169 U	150 U
Di-n-octylphthalate	117-84-0	100,000[CP]	NC	139 U	140 U	169 U	150 U
Fluoranthene	206-44-0	100,000	100,000	652	2760	806	1590
Fluorene	86-73-7	100,000	100,000	69.4 U	255	53.6 J	75.4
Hexachlorobenzene	118-74-1	330 410[CP]	1,200	139 U	140 U	169 U	150 U
Hexachlorobutadiene	87-68-3	NC	NC	139 U	140 U	169 U	150 U
Hexachlorocyclopentadiene	77-47-4	NC	NC	277 U	281 U	337 U	299 U
Hexachloroethane	67-72-1	NC	NC	139 U	140 U	169 U	150 U
Indeno[1,2,3-cd]pyrene	193-39-5	500	500	272	741	286	803
Isophorone	78-59-1	100,000[CP]	NC	139 U	140 U	169 U	150 U
m-Cresol & p-Cresol	MEPH1314	NC	NC	26.4 J	24.1 J	337 U	76.1 J
Naphthalene	91-20-3	100,000	100,000	355	658	246	848
Nitrobenzene	98-95-3	3,700[CP]	15,000[CP]	139 U	140 U	169 U	150 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	NC	139 U	140 U	169 U	150 U
N-Nitrosodiphenylamine	86-30-6	NC	NC	139 U	140 U	169 U	150 U
Pentachlorophenol	87-86-5	2,400	6,700	277 U	281 U	337 U	299 U
Phenanthrene	85-01-8	100,000	100,000	682	2940	753	1290
Phenol	108-95-2	100,000	100,000	277 U	281 U	337 U	49.4 J
Pyrene	129-00-0	100,000	100,000	564	2,110	693	1450
Pyridine	110-86-1	NC	NC	277 U	281 U	337 U	299 U
Total SVOC TICs	NA	NC	NC	54,024	70,382	61,944	39,759

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.

(green)	Exceeds Residential Use SCO listed in Part 375 or CP-51
(orange)	Concentration exceeds Part 375 Residential, Restricted Residential SCOs

Table 5B - Surface Soil Results Compared to Restricted SCOs
SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

			Sample Location	SS-129	SS-131	SS-134	SS-135
			Sample ID	SS-129-0-0.17-092016	SS-131-0-0.17-092016	SS-134-0-0.17-091916	SS-135-0-0.17-091916
			Sample Date	9/20/2016	9/20/2016	9/19/2016	9/19/2016
			Unit	µg/kg	µg/kg	µg/kg	µg/kg
			Lab SDG	2177436	2177436	2176860	2176860
			Start Depth	0	0	0	0
			End Depth	0.17	0.17	0.17	0.17
Chemical Name	CAS #	NY Part 375 Residential SCO[1]	NY Part 375 Restricted Residential SCO[1]				
SVOCs							
1,1'-Biphenyl	92-52-4	NC	NC	144 U	107 U	125 U	28.2 J
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	NC	144 U	107 U	125 U	135 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	NC	288 U	215 U	249 U	270 U
2,4,5-Trichlorophenol	95-95-4	100,000[CP]	NC	288 U	215 U	249 U	270 U
2,4,6-Trichlorophenol	88-06-2	NC	NC	288 U	215 U	249 U	270 U
2,4-Dichlorophenol	120-83-2	100,000[CP]	NC	288 U	215 U	249 U	270 U
2,4-Dimethylphenol	105-67-9	NC	NC	288 U	215 U	249 U	270 U
2,4-Dinitrophenol	51-28-5	100,000[CP]	NC	505 U	376 U	249 U	270 U
2,4-Dinitrotoluene	121-14-2		NC	144 U	107 U	125 U	135 U
2,6-Dinitrotoluene	606-20-2	1030[CP]	NC	144 U	107 U	125 U	135 U
2-Chloronaphthalene	91-58-7	NC	NC	144 U	107 U	125 U	135 U
2-Chlorophenol	95-57-8	100,000[CP]	NC	288 U	215 U	249 U	270 U
2-Methylnaphthalene	91-57-6	410[CP]	NC	62.1 J	25.4 J	125 U	184 J
2-Methylphenol	95-48-7	100,000	100,000	288 U	215 U	249 U	28.3 J
2-Nitroaniline	88-74-4	NC	NC	288 U	215 U	249 U	270 U
2-Nitrophenol	88-75-5	NC	NC	288 U	215 U	249 U	270 U
3,3-Dichlorobenzidine	91-94-1	NC	NC	288 U	215 U	249 U	270 U
3-Nitroaniline	99-09-2	NC	NC	288 U	215 U	249 U	270 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	NC	288 U	215 U	249 U	270 U
4-Bromophenyl-phenylether	101-55-3	NC	NC	144 U	107 U	125 U	135 U
4-Chloro-3-methylphenol	59-50-7	NC	NC	288 U	215 U	249 U	270 U
4-Chloroaniline	106-47-8	100,000[CP]	NC	288 U	215 U	249 U	270 U
4-Chlorophenyl-phenylether	7005-72-3	NC	NC	144 U	107 U	125 U	135 U
4-Nitroaniline	100-01-6	NC	NC	288 U	215 U	249 U	270 U
4-Nitrophenol	100-02-7	NC	NC	288 U	215 U	249 U	270 U
Acenaphthene	83-32-9	100,000	100,000	72.1 U	56.3	62.3 U	183
Acenaphthylene	208-96-8	100,000	100,000	34.1 J	66	9 J	982
Acetophenone	98-86-2	NC	NC	144 U	107 U	125 U	135 U
Anthracene	120-12-7	100,000	100,000	79.3	209	19 J	983
Atrazine	1912-24-9	NC	NC	144 U	107 U	125 U	135 U
Benzaldehyde	100-52-7	NC	NC	160 J	215 U	22.4 J	86.7 J
Benzidine	92-87-5	NC	NC	288 U	215 U	249 U	270 U
Benzo[a]anthracene	56-55-3	1,000	1,000	293	646	94.5	3,920
Benzo[a]pyrene	50-32-8	1,000	1,000	710	650	106	3,780
Benzo[b]fluoranthene	205-99-2	1,000	1,000	628	865	134	5,840
Benzo[g,h,i]perylene	191-24-2	100,000	100,000	1070	407	80.5	1,990
Benzo[k]fluoranthene	207-08-9	1,000	3900	215	311	68.5	2,200
Bis(2-Chloroethoxy)methane	111-91-1	NC	NC	144 U	107 U	125 U	135 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	NC	144 U	107 U	125 U	135 U
Bis(2-Chloroisopropyl)ether	108-60-1	NC	NC	144 U	107 U	125 U	135 U
Bis(2-Ethylhexyl)phthalate	117-81-7	50,000[CP]	NC	629	268 U	125 U	135 U
Butylbenzylphthalate	85-68-7	100,000[CP]	NC	144 U	138	125 U	135 U
Caprolactam	105-60-2	NC	NC	288 U	215 U	249 UJ	270 UJ
Carbazole	86-74-8	NC	NC	58.7 J	90.2 J	13 J	372
Chrysene	218-01-9	1,000	3,900	391	716	92.8	4,140
Dibenzo[a,h]Anthracene	53-70-3	330	330	572	119	25.8 J	582
Dibenzofuran	132-64-9	14,000	59,000	144 U	25.3 J	125 U	148
Diethylphthalate	84-66-2	100,000[CP]	NC	144 U	107 U	125 U	135 U
Dimethylphthalate	131-11-3	100,000[CP]	NC	144 U	107 U	125 U	135 U
Di-n-butylphthalate	84-74-2	100,000[CP]	NC	144 U	107 U	125 U	135 U
Di-n-octylphthalate	117-84-0	100,000[CP]	NC	144 U	107 U	125 UJ	135 UJ
Fluoranthene	206-44-0	100,000	100,000	570	1370	161	8170
Fluorene	86-73-7	100,000	100,000	72.1 U	63	62.3 U	205
Hexachlorobenzene	118-74-1	330 410[CP]	1,200	144 U	107 U	125 U	135 U
Hexachlorobutadiene	87-68-3	NC	NC	144 U	107 U	125 U	135 U
Hexachlorocyclopentadiene	77-47-4	NC	NC	288 U	215 U	249 U	270 U
Hexachloroethane	67-72-1	NC	NC	144 U	107 U	125 U	135 U
Indeno[1,2,3-cd]pyrene	193-39-5	500	500	558	431	72.4	2,340
Isophorone	78-59-1	100,000[CP]	NC	144 U	107 U	125 U	135 U
m-Cresol & p-Cresol	MEPH1314	NC	NC	288 U	215 U	249 U	64.8 J
Naphthalene	91-20-3	100,000	100,000	72.1 U	53.7 U	62.3 U	260
Nitrobenzene	98-95-3	3,700[CP]	15,000[CP]	144 U	107 U	125 U	135 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	NC	144 U	107 U	125 U	135 U
N-Nitrosodiphenylamine	86-30-6	NC	NC	144 U	107 U	125 U	135 U
Pentachlorophenol	87-86-5	2,400	6,700	288 U	215 U	249 U	270 U
Phenanthrene	85-01-8	100,000	100,000	291	823	65.9	2920
Phenol	108-95-2	100,000	100,000	288 U	215 U	249 U	60 J
Pyrene	129-00-0	100,000	100,000	468	1200	157	7900
Pyridine	110-86-1	NC	NC	288 U	215 U	249 U	270 U
Total SVOC TICs	NA	NC	NC	80,810	16,241	4,765	23,228

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.

(green)	Exceeds Residential Use SCO listed in Part 375 or CP-51
(orange)	Concentration exceeds Part 375 Residential, Restricted Residential SCOs

Table 5B - Surface Soil Results Compared to Restricted SCOs
SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

			Sample Location	SS-136	SS-140	SS-143	SS-146
			Sample ID	SS-136-0-0.17-091916	SS-140-0-0.17-091916	SS-143-0-0.17-091916	SS-146-0-0.17-091916
			Sample Date	9/19/2016	9/19/2016	9/19/2016	9/19/2016
			Unit	µg/kg	µg/kg	µg/kg	µg/kg
			Lab SDG	2176860	2176860	2176860	2176860
			Start Depth	0	0	0	0
			End Depth	0.17	0.17	0.17	0.17
Chemical Name	CAS #	NY Part 375 Residential SCO[1]	NY Part 375 Restricted Residential SCO[1]				
SVOCs							
1,1'-Biphenyl	92-52-4	NC	NC	124 U	29.3 J	133 U	127 U
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	NC	124 U	150 U	133 U	127 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	NC	249 U	299 U	266 U	253 U
2,4,5-Trichlorophenol	95-95-4	100,000[CP]	NC	249 U	299 U	266 U	253 U
2,4,6-Trichlorophenol	88-06-2	NC	NC	249 U	299 U	266 U	253 U
2,4-Dichlorophenol	120-83-2	100,000[CP]	NC	249 U	299 U	266 U	253 U
2,4-Dimethylphenol	105-67-9	NC	NC	249 U	299 U	266 U	253 U
2,4-Dinitrophenol	51-28-5	100,000[CP]	NC	249 U	299 U	266 U	253 U
2,4-Dinitrotoluene	121-14-2		NC	124 U	150 U	133 U	127 U
2,6-Dinitrotoluene	606-20-2	1030[CP]	NC	124 U	150 U	133 U	127 U
2-Chloronaphthalene	91-58-7	NC	NC	124 U	150 U	133 U	127 U
2-Chlorophenol	95-57-8	100,000[CP]	NC	249 U	299 U	266 U	253 U
2-Methylnaphthalene	91-57-6	410[CP]	NC	10.2 J	234 J	133 U	10.1 J
2-Methylphenol	95-48-7	100,000	100,000	249 U	299 U	266 U	253 U
2-Nitroaniline	88-74-4	NC	NC	249 U	299 U	266 U	253 U
2-Nitrophenol	88-75-5	NC	NC	249 U	299 U	266 U	253 U
3,3-Dichlorobenzidine	91-94-1	NC	NC	249 U	299 U	266 U	253 U
3-Nitroaniline	99-09-2	NC	NC	249 U	299 U	266 U	253 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	NC	249 U	299 U	266 U	253 U
4-Bromophenyl-phenylether	101-55-3	NC	NC	124 U	150 U	133 U	127 U
4-Chloro-3-methylphenol	59-50-7	NC	NC	249 U	299 U	266 U	253 U
4-Chloroaniline	106-47-8	100,000[CP]	NC	249 U	299 U	266 U	253 U
4-Chlorophenyl-phenylether	7005-72-3	NC	NC	124 U	150 U	133 U	127 U
4-Nitroaniline	100-01-6	NC	NC	249 U	299 U	266 U	253 U
4-Nitrophenol	100-02-7	NC	NC	249 U	299 U	266 U	253 U
Acenaphthene	83-32-9	100,000	100,000	62.2 U	29.2 J	66.4 U	63.3 U
Acenaphthylene	208-96-8	100,000	100,000	9.7 J	355	66.4 U	63.3 U
Acetophenone	98-86-2	NC	NC	124 U	150 U	133 U	127 U
Anthracene	120-12-7	100,000	100,000	14.7 J	219	11.6 J	63.3 U
Atrazine	1912-24-9	NC	NC	124 U	150 U	133 U	127 U
Benzaldehyde	100-52-7	NC	NC	249 U	181 J	266 U	253 U
Benzidine	92-87-5	NC	NC	249 U	299 U	266 U	253 U
Benzo[a]anthracene	56-55-3	1,000	1,000	84.7	1,020	57 J	53.2 J
Benzo[a]pyrene	50-32-8	1,000	1,000	92.4	1,890	69.3	66.7
Benzo[b]fluoranthene	205-99-2	1,000	1,000	130	3,180	107	90.1
Benzo[g,h,i]perylene	191-24-2	100,000	100,000	59.7 J	1,050	56.7 J	43 J
Benzo[k]fluoranthene	207-08-9	1,000	3900	52.9 J	1,020	46.6 J	63.3 U
Bis(2-Chloroethoxy)methane	111-91-1	NC	NC	124 U	150 U	133 U	127 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	NC	124 U	150 U	133 U	127 U
Bis(2-Chloroisopropyl)ether	108-60-1	NC	NC	124 U	150 U	133 U	127 U
Bis(2-Ethylhexyl)phthalate	117-81-7	50,000[CP]	NC	124 U	150 U	133 U	127 U
Butylbenzylphthalate	85-68-7	100,000[CP]	NC	124 U	150 U	133 U	127 U
Caprolactam	105-60-2	NC	NC	249 UJ	299 UJ	266 UJ	253 UJ
Carbazole	86-74-8	NC	NC	10.2 J	79.9 J	12.7 J	10.2 J
Chrysene	218-01-9	1,000	3,900	103	1,780	64.7 J	68.1
Dibenzo[a,h]Anthracene	53-70-3	330	330	14.7 J	358	66.4 U	12.8 J
Dibenzofuran	132-64-9	14,000	59,000	124 U	94.8 J	133 U	127 U
Diethylphthalate	84-66-2	100,000[CP]	NC	124 U	150 U	133 U	127 U
Dimethylphthalate	131-11-3	100,000[CP]	NC	124 U	150 U	133 U	127 U
Di-n-butylphthalate	84-74-2	100,000[CP]	NC	124 U	150 U	133 U	127 U
Di-n-octylphthalate	117-84-0	100,000[CP]	NC	124 UJ	150 UJ	133 UJ	127 UJ
Fluoranthene	206-44-0	100,000	100,000	161	980	123	120
Fluorene	86-73-7	100,000	100,000	62.2 U	45.8 J	66.4 U	63.3 U
Hexachlorobenzene	118-74-1	330 410[CP]	1,200	124 U	150 U	133 U	127 U
Hexachlorobutadiene	87-68-3	NC	NC	124 U	150 U	133 U	127 U
Hexachlorocyclopentadiene	77-47-4	NC	NC	249 U	299 U	266 U	253 U
Hexachloroethane	67-72-1	NC	NC	124 U	150 U	133 U	127 U
Indeno[1,2,3-cd]pyrene	193-39-5	500	500	62.1 J	1,240	65 J	47.3 J
Isophorone	78-59-1	100,000[CP]	NC	124 U	150 U	133 U	127 U
m-Cresol & p-Cresol	MEPH1314	NC	NC	249 U	299 U	266 U	253 U
Naphthalene	91-20-3	100,000	100,000	62.2 U	124	66.4 U	63.3 U
Nitrobenzene	98-95-3	3,700[CP]	15,000[CP]	124 U	150 U	133 U	127 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	NC	124 U	150 U	133 U	127 U
N-Nitrosodiphenylamine	86-30-6	NC	NC	124 U	150 U	133 U	127 U
Pentachlorophenol	87-86-5	2,400	6,700	249 U	299 U	266 U	253 U
Phenanthrene	85-01-8	100,000	100,000	65.2	986	49.9 J	72.2
Phenol	108-95-2	100,000	100,000	249 U	299 U	266 U	253 U
Pyrene	129-00-0	100,000	100,000	150	1,050	126	129
Pyridine	110-86-1	NC	NC	249 U	299 U	266 U	253 U
Total SVOC TICs	NA	NC	NC	11,241	49,520	10,099	3,639

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.

Exceeds Residential Use SCO listed in Part 375 or CP-51
Concentration exceeds Part 375 Residential, Restricted Residential SCOs

Table 5B - Surface Soil Results Compared to Restricted SCOs
SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

			Sample Location	SS-148	SS-149	SS-150
			Sample ID	SS-148-0-0.17-092016	SS-149-0-0.17-091916	DUP-006-091916
			Sample Date	9/20/2016	9/19/2016	9/19/2016
			Unit	µg/kg	µg/kg	µg/kg
			Lab SDG	2177436	2176860	2176860
			Start Depth	0	0	0
			End Depth	0.17	0.17	0.17
Chemical Name	**CAS #**	**NY Part 375 Residential SCO[1]**	**NY Part 375 Restricted Residential SCO[1]**			
SVOCs						
1,1'-Biphenyl	92-52-4	NC	NC	33.2 J	25.3 J	126 U
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	NC	127 U	126 U	126 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	NC	254 U	252 U	253 U
2,4,5-Trichlorophenol	95-95-4	100,000[CP]	NC	254 U	252 U	253 U
2,4,6-Trichlorophenol	88-06-2	NC	NC	254 U	252 U	253 U
2,4-Dichlorophenol	120-83-2	100,000[CP]	NC	254 U	252 U	253 U
2,4-Dimethylphenol	105-67-9	NC	NC	254 U	252 U	253 U
2,4-Dinitrophenol	51-28-5	100,000[CP]	NC	444 R	252 U	253 U
2,4-Dinitrotoluene	121-14-2		NC	127 U	126 U	126 U
2,6-Dinitrotoluene	606-20-2	1030[CP]	NC	127 U	126 U	126 U
2-Chloronaphthalene	91-58-7	NC	NC	127 U	126 U	126 U
2-Chlorophenol	95-57-8	100,000[CP]	NC	254 U	252 U	253 U
2-Methylnaphthalene	91-57-6	410[CP]	NC	233	180 J	34 J
2-Methylphenol	95-48-7	100,000	100,000	254 U	252 U	253 U
2-Nitroaniline	88-74-4	NC	NC	254 U	252 U	253 U
2-Nitrophenol	88-75-5	NC	NC	254 U	252 U	253 U
3,3-Dichlorobenzidine	91-94-1	NC	NC	254 U	252 U	253 U
3-Nitroaniline	99-09-2	NC	NC	254 U	252 U	253 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	NC	254 UJ	252 U	253 U
4-Bromophenyl-phenylether	101-55-3	NC	NC	127 U	126 U	126 U
4-Chloro-3-methylphenol	59-50-7	NC	NC	254 U	252 U	253 U
4-Chloroaniline	106-47-8	100,000[CP]	NC	254 U	252 U	253 U
4-Chlorophenyl-phenylether	7005-72-3	NC	NC	127 U	126 U	126 U
4-Nitroaniline	100-01-6	NC	NC	254 U	252 U	253 U
4-Nitrophenol	100-02-7	NC	NC	254 U	252 U	253 U
Acenaphthene	83-32-9	100,000	100,000	48.2 J	63.2	63.2 U
Acenaphthylene	208-96-8	100,000	100,000	105	1050	19.5 J
Acetophenone	98-86-2	NC	NC	127 U	126 U	126 U
Anthracene	120-12-7	100,000	100,000	199	722	24.4 J
Atrazine	1912-24-9	NC	NC	127 U	126 U	126 U
Benzaldehyde	100-52-7	NC	NC	169 J	88.1 J	253 U
Benzidine	92-87-5	NC	NC	254 R	252 U	253 U
Benzo[a]anthracene	56-55-3	1,000	1,000	842	2,970	109
Benzo[a]pyrene	50-32-8	1,000	1,000	898	3,100	119
Benzo[b]fluoranthene	205-99-2	1,000	1,000	1,270	4,800	169
Benzo[g,h,i]perylene	191-24-2	100,000	100,000	654	1,790	80.1
Benzo[k]fluoranthene	207-08-9	1,000	3900	456	2,040	73.3
Bis(2-Chloroethoxy)methane	111-91-1	NC	NC	127 U	126 U	126 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	NC	127 U	126 U	126 U
Bis(2-Chloroisopropyl)ether	108-60-1	NC	NC	127 U	126 U	126 U
Bis(2-Ethylhexyl)phthalate	117-81-7	50,000[CP]	NC	317 U	126 U	126 U
Butylbenzylphthalate	85-68-7	100,000[CP]	NC	127 U	126 U	126 U
Caprolactam	105-60-2	NC	NC	254 U	252 UJ	253 UJ
Carbazole	86-74-8	NC	NC	134	280	13 J
Chrysene	218-01-9	1,000	3,900	1,080	3,460	133
Dibenzo[a,h]Anthracene	53-70-3	330	330	185	540	21.6 J
Dibenzofuran	132-64-9	14,000	59,000	88.6 J	116 J	126 U
Diethylphthalate	84-66-2	100,000[CP]	NC	127 U	126 U	126 U
Dimethylphthalate	131-11-3	100,000[CP]	NC	127 U	126 U	126 U
Di-n-butylphthalate	84-74-2	100,000[CP]	NC	127 U	126 U	126 U
Di-n-octylphthalate	117-84-0	100,000[CP]	NC	127 U	126 UJ	126 UJ
Fluoranthene	206-44-0	100,000	100,000	1,700	5,930	235
Fluorene	86-73-7	100,000	100,000	69.6	140	63.2 U
Hexachlorobenzene	118-74-1	330 410[CP]	1,200	127 U	126 U	126 U
Hexachlorobutadiene	87-68-3	NC	NC	127 U	126 U	126 U
Hexachlorocyclopentadiene	77-47-4	NC	NC	254 UJ	252 U	253 U
Hexachloroethane	67-72-1	NC	NC	127 U	126 U	126 U
Indeno[1,2,3-cd]pyrene	193-39-5	500	500	693	2,130	79.6
Isophorone	78-59-1	100,000[CP]	NC	127 U	126 U	126 U
m-Cresol & p-Cresol	MEPH1314	NC	NC	254 U	252 U	253 U
Naphthalene	91-20-3	100,000	100,000	157	239	63.2 U
Nitrobenzene	98-95-3	3,700[CP]	15,000[CP]	127 U	126 U	126 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	NC	127 U	126 U	126 U
N-Nitrosodiphenylamine	86-30-6	NC	NC	127 U	126 U	126 U
Pentachlorophenol	87-86-5	2,400	6,700	254 U	252 U	253 U
Phenanthrene	85-01-8	100,000	100,000	1,040	1,830	96.8
Phenol	108-95-2	100,000	100,000	254 U	252 U	253 U
Pyrene	129-00-0	100,000	100,000	1,450	6,150	235
Pyridine	110-86-1	NC	NC	254 U	252 U	253 U
Total SVOC TICs	NA	NC	NC	83,050	33,490	17,061

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
CP - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.

(green)	Exceeds Residential Use SCO listed in Part 375 or CP-51
(orange)	Concentration exceeds Part 375 Residential, Restricted Residential SCOs

Table 5B - Surface Soil Results Compared to Restricted SCOs
SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

			Sample Location	SS-150	SS-152	SS-153
			Sample ID	SS-150-0-0.17-091916	SS-152-0-0.17-091916	SS-153-0-0.17-091916
			Sample Date	9/19/2016	9/19/2016	9/19/2016
			Unit	µg/kg	µg/kg	µg/kg
			Lab SDG	2176860	2176860	2176860
			Start Depth	0	0	0
			End Depth	0.17	0.17	0.17
Chemical Name	CAS #	NY Part 375 Residential SCO[1]	NY Part 375 Restricted Residential SCO[1]			
SVOCs						
1,1'-Biphenyl	92-52-4	NC	NC	129 U	120 U	121 U
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	NC	129 U	120 U	121 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	NC	258 U	241 U	242 U
2,4,5-Trichlorophenol	95-95-4	100,000[CP]	NC	258 U	241 U	242 U
2,4,6-Trichlorophenol	88-06-2	NC	NC	258 U	241 U	242 U
2,4-Dichlorophenol	120-83-2	100,000[CP]	NC	258 U	241 U	242 U
2,4-Dimethylphenol	105-67-9	NC	NC	258 U	241 U	242 U
2,4-Dinitrophenol	51-28-5	100,000[CP]	NC	258 U	241 U	242 U
2,4-Dinitrotoluene	121-14-2		NC	129 U	120 U	121 U
2,6-Dinitrotoluene	606-20-2	1030[CP]	NC	129 U	120 U	121 U
2-Chloronaphthalene	91-58-7	NC	NC	129 U	120 U	121 U
2-Chlorophenol	95-57-8	100,000[CP]	NC	258 U	241 U	242 U
2-Methylnaphthalene	91-57-6	410[CP]	NC	22.4 J	16.1 J	8.3 J
2-Methylphenol	95-48-7	100,000	100,000	258 U	241 U	242 U
2-Nitroaniline	88-74-4	NC	NC	258 U	241 U	242 U
2-Nitrophenol	88-75-5	NC	NC	258 U	241 U	242 U
3,3-Dichlorobenzidine	91-94-1	NC	NC	258 U	241 U	242 U
3-Nitroaniline	99-09-2	NC	NC	258 U	241 U	242 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	NC	258 U	241 U	242 U
4-Bromophenyl-phenylether	101-55-3	NC	NC	129 U	120 U	121 U
4-Chloro-3-methylphenol	59-50-7	NC	NC	258 U	241 U	242 U
4-Chloroaniline	106-47-8	100,000[CP]	NC	258 U	241 U	242 U
4-Chlorophenyl-phenylether	7005-72-3	NC	NC	129 U	120 U	121 U
4-Nitroaniline	100-01-6	NC	NC	258 U	241 U	242 U
4-Nitrophenol	100-02-7	NC	NC	258 U	241 U	242 U
Acenaphthene	83-32-9	100,000	100,000	64.5 U	60.1 U	60.6 U
Acenaphthylene	208-96-8	100,000	100,000	15.3 J	41.3 J	13.4 J
Acetophenone	98-86-2	NC	NC	129 U	120 U	121 U
Anthracene	120-12-7	100,000	100,000	16.8 J	31.4 J	13.8 J
Atrazine	1912-24-9	NC	NC	129 U	120 U	121 U
Benzaldehyde	100-52-7	NC	NC	258 U	241 U	242 U
Benzidine	92-87-5	NC	NC	258 U	241 U	242 U
Benzo[a]anthracene	56-55-3	1,000	1,000	94.7	158	56.7 J
Benzo[a]pyrene	50-32-8	1,000	1,000	119	190	62.5
Benzo[b]fluoranthene	205-99-2	1,000	1,000	162	308	91
Benzo[g,h,i]perylene	191-24-2	100,000	100,000	77.5	124	46.1 J
Benzo[k]fluoranthene	207-08-9	1,000	3900	59.3 J	113	60.6 U
Bis(2-Chloroethoxy)methane	111-91-1	NC	NC	129 U	120 U	121 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	NC	129 U	120 U	121 U
Bis(2-Chloroisopropyl)ether	108-60-1	NC	NC	129 U	120 U	121 U
Bis(2-Ethylhexyl)phthalate	117-81-7	50,000[CP]	NC	129 U	120 U	121 U
Butylbenzylphthalate	85-68-7	100,000[CP]	NC	129 U	120 U	121 U
Caprolactam	105-60-2	NC	NC	258 UJ	241 UJ	242 UJ
Carbazole	86-74-8	NC	NC	13.8 J	19.9 J	11.2 J
Chrysene	218-01-9	1,000	3,900	120	215	61.1
Dibenzo[a,h]Anthracene	53-70-3	330	330	23 J	39.4 J	13.1 J
Dibenzofuran	132-64-9	14,000	59,000	129 U	120 U	121 U
Diethylphthalate	84-66-2	100,000[CP]	NC	129 U	120 U	121 U
Dimethylphthalate	131-11-3	100,000[CP]	NC	129 U	120 U	121 U
Di-n-butylphthalate	84-74-2	100,000[CP]	NC	129 U	120 U	121 U
Di-n-octylphthalate	117-84-0	100,000[CP]	NC	129 UJ	120 UJ	121 UJ
Fluoranthene	206-44-0	100,000	100,000	202	267	123
Fluorene	86-73-7	100,000	100,000	64.5 U	60.1 U	60.6 U
Hexachlorobenzene	118-74-1	330 410[CP]	1,200	129 U	120 U	121 U
Hexachlorobutadiene	87-68-3	NC	NC	129 U	120 U	121 U
Hexachlorocyclopentadiene	77-47-4	NC	NC	258 U	241 U	242 U
Hexachloroethane	67-72-1	NC	NC	129 U	120 U	121 U
Indeno[1,2,3-cd]pyrene	193-39-5	500	500	75.4	127	44.6 J
Isophorone	78-59-1	100,000[CP]	NC	129 U	120 U	121 U
m-Cresol & p-Cresol	MEPH1314	NC	NC	258 U	241 U	242 U
Naphthalene	91-20-3	100,000	100,000	64.5 U	60.1 U	60.6 U
Nitrobenzene	98-95-3	3,700[CP]	15,000[CP]	129 U	120 U	121 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	NC	129 U	120 U	121 U
N-Nitrosodiphenylamine	86-30-6	NC	NC	129 U	120 U	121 U
Pentachlorophenol	87-86-5	2,400	6,700	258 U	241 U	242 U
Phenanthrene	85-01-8	100,000	100,000	94.7	113	64.6
Phenol	108-95-2	100,000	100,000	258 U	241 U	242 U
Pyrene	129-00-0	100,000	100,000	216	336	130
Pyridine	110-86-1	NC	NC	258 U	241 U	242 U
Total SVOC TICs	NA	NC	NC	12,510	9,229	10,060

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.

Exceeds Residential Use SCO listed in Part 375 or CP-51
Concentration exceeds Part 375 Residential, Restricted Residential SCOs

Table 5B1 - Existing Surface Cover Soil Results Compared to Restricted SCOs
SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

			Sample Location	SS-101	SS-103	SS-105	SS-106	SS-108
			Sample ID	SS-101-0-0.17-092016	SS-103-0-0.17-092016	SS-105-0-0.17-091916	SS-106-0-0.17-091916	SS-108-0-0.17-091916
			Sample Date	9/20/2016	9/20/2016	9/19/2016	9/19/2016	9/19/2016
			Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
			Lab SDG	2177436	2177436	2176860	2176860	2176860
			Start Depth	0	0	0	0	0
			End Depth	0.17	0.17	0.17	0.17	0.17
Chemical Name	**CAS #**	**NY Part 375 Residential SCO[1]**	**NY Part 375 Restricted Residential SCO[1]**					
SVOCs								
1,1'-Biphenyl	92-52-4	NC	NC	119 U	123 U	168 U	13.6 J	130 U
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	NC	119 U	123 U	168 U	149 U	130 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	NC	238 U	246 U	335 U	298 U	260 U
2,4,5-Trichlorophenol	95-95-4	100,000[CP]	NC	238 U	246 U	335 U	298 U	260 U
2,4,6-Trichlorophenol	88-06-2	NC	NC	238 U	246 U	335 U	298 U	260 U
2,4-Dichlorophenol	120-83-2	100,000[CP]	NC	238 U	246 U	335 U	298 U	260 U
2,4-Dimethylphenol	105-67-9	NC	NC	238 U	246 U	335 U	298 U	260 U
2,4-Dinitrophenol	51-28-5	100,000[CP]	NC	417 U	430 U	335 U	298 U	260 U
2,4-Dinitrotoluene	121-14-2		NC	119 U	123 U	168 U	149 U	130 U
2,6-Dinitrotoluene	606-20-2	1030[CP]	NC	119 U	123 U	168 U	149 U	130 U
2-Chloronaphthalene	91-58-7	NC	NC	119 U	123 U	168 U	149 U	130 U
2-Chlorophenol	95-57-8	100,000[CP]	NC	238 U	246 U	335 U	298 U	260 U
2-Methylnaphthalene	91-57-6	410[CP]	NC	119 U	123 U	16.4 J	145 J	11.2 J
2-Methylphenol	95-48-7	100,000	100,000	238 U	246 U	335 U	298 U	260 U
2-Nitroaniline	88-74-4	NC	NC	238 U	246 U	335 U	298 U	260 U
2-Nitrophenol	88-75-5	NC	NC	238 U	246 U	335 U	298 U	260 U
3,3-Dichlorobenzidine	91-94-1	NC	NC	238 U	246 U	335 U	298 U	260 U
3-Nitroaniline	99-09-2	NC	NC	238 U	246 U	335 U	298 U	260 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	NC	238 U	246 U	335 U	298 U	260 U
4-Bromophenyl-phenylether	101-55-3	NC	NC	119 U	123 U	168 U	149 U	130 U
4-Chloro-3-methylphenol	59-50-7	NC	NC	238 U	246 U	335 U	298 U	260 U
4-Chloroaniline	106-47-8	100,000[CP]	NC	238 U	246 U	335 U	298 U	260 U
4-Chlorophenyl-phenylether	7005-72-3	NC	NC	119 U	123 U	168 U	149 U	130 U
4-Nitroaniline	100-01-6	NC	NC	238 U	246 U	335 U	298 U	260 U
4-Nitrophenol	100-02-7	NC	NC	238 U	246 U	335 U	298 U	260 U
Acenaphthene	83-32-9	100,000	100,000	59.6 U	61.4 U	13.6 J	52 J	11.1 J
Acenaphthylene	208-96-8	100,000	100,000	59.6 U	40.4 J	48.7 J	73.4 J	16.9 J
Acetophenone	98-86-2	NC	NC	119 U	123 U	168 U	149 U	130 U
Anthracene	120-12-7	100,000	100,000	59.6 U	79.7	96.2	233	35.1 J
Atrazine	1912-24-9	NC	NC	119 U	123 U	168 U	149 U	130 U
Benzaldehyde	100-52-7	NC	NC	238 U	246 U	108 J	175 J	59.3 J
Benzidine	92-87-5	NC	NC	238 U	246 U	335 U	298 U	260 U
Benzo[a]anthracene	56-55-3	1,000	1,000	59.6 U	286	500	1,000	172
Benzo[a]pyrene	50-32-8	1,000	1,000	51.9 J	315	613	1,130	228
Benzo[b]fluoranthene	205-99-2	1,000	1,000	73.6	440	698	1,490	304
Benzo[g,h,i]perylene	191-24-2	100,000	100,000	41.9 J	239	581	696	162
Benzo[k]fluoranthene	207-08-9	1,000	3900	59.6 U	160	255	527	109
Bis(2-Chloroethoxy)methane	111-91-1	NC	NC	119 U	123 U	168 U	149 U	130 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	NC	119 U	123 U	168 U	149 U	130 U
Bis(2-Chloroisopropyl)ether	108-60-1	NC	NC	119 U	123 U	168 U	149 U	130 U
Bis(2-Ethylhexyl)phthalate	117-81-7	50,000[CP]	NC	298 U	307 U	417	149 U	130 U
Butylbenzylphthalate	85-68-7	100,000[CP]	NC	119 U	123 U	168 U	149 U	130 U
Caprolactam	105-60-2	NC	NC	238 U	246 U	335 UJ	298 UJ	260 UJ
Carbazole	86-74-8	NC	NC	119 U	40.8 J	41.3 J	150	23.9 J
Chrysene	218-01-9	1,000	3,900	45.8 J	309	610	1,180	210
Dibenzo[a,h]Anthracene	53-70-3	330	330	59.6 U	64.4	153	171	44 J
Dibenzofuran	132-64-9	14,000	59,000	119 U	123 U	168 U	63.9 J	130 U
Diethylphthalate	84-66-2	100,000[CP]	NC	119 U	123 U	168 U	149 U	130 U
Dimethylphthalate	131-11-3	100,000[CP]	NC	119 U	123 U	168 U	149 U	130 U
Di-n-butylphthalate	84-74-2	100,000[CP]	NC	119 U	123 U	168 U	149 U	130 U
Di-n-octylphthalate	117-84-0	100,000[CP]	NC	119 U	123 U	168 UJ	149 UJ	130 UJ
Fluoranthene	206-44-0	100,000	100,000	102	637	1010	1,940	314
Fluorene	86-73-7	100,000	100,000	59.6 U	61.4 U	15.8 J	63.4 J	11.2 J
Hexachlorobenzene	118-74-1	330 410[CP]	1,200	119 U	123 U	168 U	149 U	130 U
Hexachlorobutadiene	87-68-3	NC	NC	119 U	123 U	168 U	149 U	130 U
Hexachlorocyclopentadiene	77-47-4	NC	NC	238 U	246 U	335 U	298 U	260 U
Hexachloroethane	67-72-1	NC	NC	119 U	123 U	168 U	149 U	130 U
Indeno[1,2,3-cd]pyrene	193-39-5	500	500	53.8 J	242	359	756	175
Isophorone	78-59-1	100,000[CP]	NC	119 U	123 U	168 U	149 U	130 U
m-Cresol & p-Cresol	MEPH1314	NC	NC	238 U	246 U	335 U	298 U	260 U
Naphthalene	91-20-3	100,000	100,000	59.6 U	61.4 U	83.8 U	119	65.1 U
Nitrobenzene	98-95-3	3,700[CP]	15,000[CP]	119 U	123 U	168 U	149 U	130 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	NC	119 U	123 U	168 U	149 U	130 U
N-Nitrosodiphenylamine	86-30-6	NC	NC	119 U	123 U	168 U	149 U	130 U
Pentachlorophenol	87-86-5	2,400	6,700	238 U	246 U	335 U	298 U	260 U
Phenanthrene	85-01-8	100,000	100,000	45.7 J	302	427	1,100	147
Phenol	108-95-2	100,000	100,000	238 U	246 U	335 U	298 U	280
Pyrene	129-00-0	100,000	100,000	83.3	508	943	2,280	362
Pyridine	110-86-1	NC	NC	238 U	246 U	335 U	298 U	260 U
Total SVOC TICs	NA	NC	NC	29,248	18,867	31,100	59,940	11,427

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICS identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.
Exceeds Residential Use SCO listed in Part 375 or CP-51
Concentration exceeds Part 375 Residential, Restricted Residential SCOs

Table 5B1 - Existing Surface Cover Soil Results Compared to Restricted SCOs
SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

			Sample Location	SS-109	SS-110	SS-111	SS-112	SS-113
			Sample ID	SS-109-0-0.17-091916	SS-110-1-2-092116	SS-111-0-0.17-091916	SS-112-0-0.17-091916	DUP-005-092116
			Sample Date	9/19/2016	9/21/2016	9/19/2016	9/19/2016	9/21/2016
			Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
			Lab SDG	2176860	2177433	2176860	2176860	2177433
			Start Depth	0	1	0	0	1
			End Depth	0.17	2	0.17	0.17	2
Chemical Name	CAS #	NY Part 375 Residential SCO[1]	NY Part 375 Restricted Residential SCO[1]					
SVOCs								
1,1'-Biphenyl	92-52-4	NC	NC	36.1 J	103 J	58.7 J	79.8 J	28.9 J
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	NC	152 U	108 U	170 U	139 U	106 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	NC	304 U	217 U	340 U	277 U	212 U
2,4,5-Trichlorophenol	95-95-4	100,000[CP]	NC	304 U	217 U	340 U	277 U	212 U
2,4,6-Trichlorophenol	88-06-2	NC	NC	304 U	217 U	340 U	277 U	212 U
2,4-Dichlorophenol	120-83-2	100,000[CP]	NC	304 U	217 U	340 U	277 U	212 U
2,4-Dimethylphenol	105-67-9	NC	NC	304 U	217 U	340 U	277 U	212 U
2,4-Dinitrophenol	51-28-5	100,000[CP]	NC	304 U	217 UJ	340 U	277 U	371 U
2,4-Dinitrotoluene	121-14-2		NC	152 U	108 U	170 U	139 U	106 U
2,6-Dinitrotoluene	606-20-2	1030[CP]	NC	152 U	108 U	170 U	139 U	106 U
2-Chloronaphthalene	91-58-7	NC	NC	152 U	108 U	170 U	139 U	106 U
2-Chlorophenol	95-57-8	100,000[CP]	NC	304 U	217 U	340 U	277 U	212 U
2-Methylnaphthalene	91-57-6	410[CP]	NC	404 J	1,150 J	725 J	571 J	155
2-Methylphenol	95-48-7	100,000	100,000	304 U	217 U	340 U	24.4 J	212 U
2-Nitroaniline	88-74-4	NC	NC	304 U	217 U	340 U	277 U	212 U
2-Nitrophenol	88-75-5	NC	NC	304 U	217 U	340 U	277 U	212 U
3,3-Dichlorobenzidine	91-94-1	NC	NC	304 U	217 U	340 U	277 U	212 U
3-Nitroaniline	99-09-2	NC	NC	304 U	217 U	340 U	277 U	212 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	NC	304 U	217 U	340 U	277 U	212 U
4-Bromophenyl-phenylether	101-55-3	NC	NC	152 U	108 U	170 U	139 U	106 U
4-Chloro-3-methylphenol	59-50-7	NC	NC	304 U	217 U	340 U	277 U	212 U
4-Chloroaniline	106-47-8	100,000[CP]	NC	304 U	217 U	340 U	277 U	212 U
4-Chlorophenyl-phenylether	7005-72-3	NC	NC	152 U	108 U	170 U	139 U	106 U
4-Nitroaniline	100-01-6	NC	NC	304 U	217 U	340 U	277 U	212 U
4-Nitrophenol	100-02-7	NC	NC	304 U	217 UJ	340 U	277 U	212 U
Acenaphthene	83-32-9	100,000	100,000	24.4 J	54.2 U	43.3 J	247	36.6 J
Acenaphthylene	208-96-8	100,000	100,000	180	54.2 U	148	357	44.8 J
Acetophenone	98-86-2	NC	NC	152 U	123	170 U	139 U	106 U
Anthracene	120-12-7	100,000	100,000	247	89.2	222	901	126
Atrazine	1912-24-9	NC	NC	24.2 J	108 U	170 U	139 U	106 U
Benzaldehyde	100-52-7	NC	NC	122 J	132 J	246 J	495	212 U
Benzidine	92-87-5	NC	NC	304 U	217 U	340 U	277 U	212 U
Benzo[a]anthracene	56-55-3	1,000	1,000	756	194	951	2,740	385
Benzo[a]pyrene	50-32-8	1,000	1,000	995	193	1,070	2,860	367
Benzo[b]fluoranthene	205-99-2	1,000	1,000	1,820	366 J	1,740	3,650	507
Benzo[g,h,i]perylene	191-24-2	100,000	100,000	693	175	694	1,570	247
Benzo[k]fluoranthene	207-08-9	1,000	3900	597	106 J	627	1,390	185
Bis(2-Chloroethoxy)methane	111-91-1	NC	NC	152 U	108 U	170 U	139 U	106 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	NC	152 U	108 U	170 U	139 U	106 U
Bis(2-Chloroisopropyl)ether	108-60-1	NC	NC	152 U	108 U	170 U	139 U	106 U
Bis(2-Ethylhexyl)phthalate	117-81-7	50,000[CP]	NC	152 U	8.8 J	170 U	139 U	265 U
Butylbenzylphthalate	85-68-7	100,000[CP]	NC	152 U	108 U	170 U	139 U	106 U
Caprolactam	105-60-2	NC	NC	304 UJ	217 U	340 UJ	277 UJ	212 U
Carbazole	86-74-8	NC	NC	105 J	48.5 J	113 J	337	62.4 J
Chrysene	218-01-9	1,000	3,900	1,100	369	1,210	2,910	437
Dibenzo[a,h]Anthracene	53-70-3	330	330	196	55.2	182	424	76.3
Dibenzofuran	132-64-9	14,000	59,000	129 J	280	196	233	66.3 J
Diethylphthalate	84-66-2	100,000[CP]	NC	152 U	108 U	170 U	139 U	106 U
Dimethylphthalate	131-11-3	100,000[CP]	NC	152 U	108 U	170 U	139 U	106 U
Di-n-butylphthalate	84-74-2	100,000[CP]	NC	152 U	108 U	170 U	139 U	106 U
Di-n-octylphthalate	117-84-0	100,000[CP]	NC	152 UJ	108 UJ	170 UJ	139 UJ	106 U
Fluoranthene	206-44-0	100,000	100,000	1090	225	1420	5170	777
Fluorene	86-73-7	100,000	100,000	76 U	32.4 J	55 J	256	41.3 J
Hexachlorobenzene	118-74-1	330 410[CP]	1,200	152 U	108 U	170 U	139 U	106 U
Hexachlorobutadiene	87-68-3	NC	NC	152 U	108 U	170 U	139 U	106 U
Hexachlorocyclopentadiene	77-47-4	NC	NC	304 U	217 U	340 U	277 U	212 U
Hexachloroethane	67-72-1	NC	NC	152 U	108 U	170 U	139 U	106 U
Indeno[1,2,3-cd]pyrene	193-39-5	500	500	738	143	734	1,700	269
Isophorone	78-59-1	100,000[CP]	NC	152 U	108 U	170 U	139 U	106 U
m-Cresol & p-Cresol	MEPH1314	NC	NC	304 U	18 J	340 U	113 J	212 U
Naphthalene	91-20-3	100,000	100,000	356	603 J	523	373	101
Nitrobenzene	98-95-3	3,700[CP]	15,000[CP]	152 U	108 U	170 U	139 U	106 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	NC	152 U	108 U	170 U	139 U	106 U
N-Nitrosodiphenylamine	86-30-6	NC	NC	152 U	108 U	170 U	139 U	106 U
Pentachlorophenol	87-86-5	2,400	6,700	304 U	217 U	340 U	277 U	212 U
Phenanthrene	85-01-8	100,000	100,000	505	919	975	3710	600
Phenol	108-95-2	100,000	100,000	304 U	217 U	34.3 J	277 U	212 U
Pyrene	129-00-0	100,000	100,000	1,330	314 J	1,810	5,830	640
Pyridine	110-86-1	NC	NC	304 U	217 U	340 U	277 U	212 U
Total SVOC TICs	NA	NC	NC	25,483	15,166	33,122	90,150	32,425

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICS identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.

(green)	Exceeds Residential Use SCO listed in Part 375 or CP-51
(orange)	Concentration exceeds Part 375 Residential, Restricted Residential SCOs

Table 5B1 - Existing Surface Cover Soil Results Compared to Restricted SCOs
SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

			Sample Location	SS-113	SS-114	SS-115	SS-116	SS-117
			Sample ID	SS-113-1-2-092116	SS-114-0-0.17-092016	SS-115-0-0.17-092016	SS-116-0-0.17-092016	SS-117-1-1.5-092116
			Sample Date	9/21/2016	9/20/2016	9/20/2016	9/20/2016	9/21/2016
			Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
			Lab SDG	2177433	2177436	2177436	2177436	2177433
			Start Depth	1	0	0	0	1
			End Depth	2	0.17	0.17	0.17	1.5
Chemical Name	**CAS #**	**NY Part 375 Residential SCO[1]**	**NY Part 375 Restricted Residential SCO[1]**					
SVOCs								
1,1'-Biphenyl	92-52-4	NC	NC	61.2 J	89.1 J	115 J	40.9 J	20.5 J
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	NC	108 U	139 U	140 U	169 U	109 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	NC	216 U	277 U	281 U	337 U	217 U
2,4,5-Trichlorophenol	95-95-4	100,000[CP]	NC	216 U	277 U	281 U	337 U	217 U
2,4,6-Trichlorophenol	88-06-2	NC	NC	216 U	277 U	281 U	337 U	217 U
2,4-Dichlorophenol	120-83-2	100,000[CP]	NC	216 U	277 U	281 U	337 U	217 U
2,4-Dimethylphenol	105-67-9	NC	NC	216 U	277 U	281 U	337 U	217 U
2,4-Dinitrophenol	51-28-5	100,000[CP]	NC	216 UJ	486 U	491 U	590 U	217 UJ
2,4-Dinitrotoluene	121-14-2		NC	108 U	139 U	140 U	169 U	109 U
2,6-Dinitrotoluene	606-20-2	1030[CP]	NC	108 U	139 U	140 U	169 U	109 U
2-Chloronaphthalene	91-58-7	NC	NC	108 U	139 U	140 U	169 U	109 U
2-Chlorophenol	95-57-8	100,000[CP]	NC	216 U	277 U	281 U	337 U	217 U
2-Methylnaphthalene	91-57-6	410[CP]	NC	434 J	745	945	372	197 J
2-Methylphenol	95-48-7	100,000	100,000	216 U	277 U	281 U	337 U	217 U
2-Nitroaniline	88-74-4	NC	NC	216 U	277 U	281 U	337 U	217 U
2-Nitrophenol	88-75-5	NC	NC	216 U	277 U	281 U	337 U	217 U
3,3-Dichlorobenzidine	91-94-1	NC	NC	216 U	277 U	281 U	337 U	217 U
3-Nitroaniline	99-09-2	NC	NC	216 U	277 U	281 U	337 U	217 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	NC	216 U	277 U	281 U	337 U	217 U
4-Bromophenyl-phenylether	101-55-3	NC	NC	108 U	139 U	140 U	169 U	109 U
4-Chloro-3-methylphenol	59-50-7	NC	NC	216 U	277 U	281 U	337 U	217 U
4-Chloroaniline	106-47-8	100,000[CP]	NC	216 U	277 U	281 U	337 U	217 U
4-Chlorophenyl-phenylether	7005-72-3	NC	NC	108 U	139 U	140 U	169 U	109 U
4-Nitroaniline	100-01-6	NC	NC	216 U	277 U	281 U	337 U	217 U
4-Nitrophenol	100-02-7	NC	NC	216 UJ	277 U	281 U	337 U	217 UJ
Acenaphthene	83-32-9	100,000	100,000	63.9	69.4 U	206	46.3 J	54.4 U
Acenaphthylene	208-96-8	100,000	100,000	54.1 U	69.4 U	70.1 U	84.3 U	54.4 U
Acetophenone	98-86-2	NC	NC	108 U	139 U	140 U	169 U	109 U
Anthracene	120-12-7	100,000	100,000	224	73.7	587	119	23.6 J
Atrazine	1912-24-9	NC	NC	108 U	139 U	140 U	169 U	109 U
Benzaldehyde	100-52-7	NC	NC	77.6 J	277 U	281 U	335 J	51.3 J
Benzidine	92-87-5	NC	NC	216 U	277 U	281 U	337 U	217 U
Benzo[a]anthracene	56-55-3	1,000	1,000	642	298	1,200	391	81.1
Benzo[a]pyrene	50-32-8	1,000	1,000	593	364	1,070	409	64.9
Benzo[b]fluoranthene	205-99-2	1,000	1,000	831 J	541	1,430	558	115 J
Benzo[g,h,i]perylene	191-24-2	100,000	100,000	365	261	647	277	53.5 J
Benzo[k]fluoranthene	207-08-9	1,000	3900	312 J	186	508	197	30.3 J
Bis(2-Chloroethoxy)methane	111-91-1	NC	NC	108 U	139 U	140 U	169 U	109 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	NC	108 U	139 U	140 U	169 U	109 U
Bis(2-Chloroisopropyl)ether	108-60-1	NC	NC	108 U	139 U	140 U	169 U	109 U
Bis(2-Ethylhexyl)phthalate	117-81-7	50,000[CP]	NC	108 U	347 U	351 U	422 U	11.7 J
Butylbenzylphthalate	85-68-7	100,000[CP]	NC	108 U	139 U	140 U	169 U	109 U
Caprolactam	105-60-2	NC	NC	216 U	277 U	281 U	337 U	217 U
Carbazole	86-74-8	NC	NC	96.2 J	54.9 J	377	80.7 J	12.7 J
Chrysene	218-01-9	1,000	3,900	720	453	1,270	556	169
Dibenzo[a,h]Anthracene	53-70-3	330	330	105	76.6	201	86.4	26.4 J
Dibenzofuran	132-64-9	14,000	59,000	142	177	384	99.7 J	64.3 J
Diethylphthalate	84-66-2	100,000[CP]	NC	108 U	139 U	140 U	169 U	109 U
Dimethylphthalate	131-11-3	100,000[CP]	NC	108 U	139 U	140 U	169 U	109 U
Di-n-butylphthalate	84-74-2	100,000[CP]	NC	108 U	139 U	140 U	169 U	109 U
Di-n-octylphthalate	117-84-0	100,000[CP]	NC	108 UJ	139 U	140 U	169 U	109 UJ
Fluoranthene	206-44-0	100,000	100,000	1280	652	2760	806	104
Fluorene	86-73-7	100,000	100,000	75.8	69.4 U	255	53.6 J	11.2 J
Hexachlorobenzene	118-74-1	330 410[CP]	1,200	108 U	139 U	140 U	169 U	109 U
Hexachlorobutadiene	87-68-3	NC	NC	108 U	139 U	140 U	169 U	109 U
Hexachlorocyclopentadiene	77-47-4	NC	NC	216 U	277 U	281 U	337 U	217 U
Hexachloroethane	67-72-1	NC	NC	108 U	139 U	140 U	169 U	109 U
Indeno[1,2,3-cd]pyrene	193-39-5	500	500	411	272	741	286	41.1 J
Isophorone	78-59-1	100,000[CP]	NC	108 U	139 U	140 U	169 U	109 U
m-Cresol & p-Cresol	MEPH1314	NC	NC	8.7 J	26.4 J	24.1 J	337 U	217 U
Naphthalene	91-20-3	100,000	100,000	281 J	355	658	246	120 J
Nitrobenzene	98-95-3	3,700[CP]	15,000[CP]	108 U	139 U	140 U	169 U	109 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	NC	108 U	139 U	140 U	169 U	109 U
N-Nitrosodiphenylamine	86-30-6	NC	NC	108 U	139 U	140 U	169 U	109 U
Pentachlorophenol	87-86-5	2,400	6,700	216 U	277 U	281 U	337 U	217 U
Phenanthrene	85-01-8	100,000	100,000	1200	682	2940	753	386
Phenol	108-95-2	100,000	100,000	216 U	277 U	281 U	337 U	217 U
Pyrene	129-00-0	100,000	100,000	1200 J	564	2,110	693	127 J
Pyridine	110-86-1	NC	NC	216 U	277 U	281 U	337 U	217 U
Total SVOC TICs	NA	NC	NC	11,383	54,024	70,382	61,944	6,062

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICS identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.
Exceeds Residential Use SCO listed in Part 375 or CP-51
Concentration exceeds Part 375 Residential, Restricted Residential SCOs

Table 5B1 - Existing Surface Cover Soil Results Compared to Restricted SCOs
SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

			Sample Location	SS-118	SS-119	SS-120	SS-122	SS-123
			Sample ID	SS-118-1-2-092116	SS-119-0-0.5-092116	SS-120-0.5-1-092116	SS-122-1.5-2-092116	SS-123-0-0.17-092016
			Sample Date	9/21/2016	9/21/2016	9/21/2016	9/21/2016	9/20/2016
			Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
			Lab SDG	2177433	2177433	2177433	2177433	2177436
			Start Depth	1	0	0.5	1.5	0
			End Depth	2	0.5	1	2	0.17
Chemical Name	**CAS #**	**NY Part 375 Residential SCO[1]**	**NY Part 375 Restricted Residential SCO[1]**					
SVOCs								
1,1'-Biphenyl	92-52-4	NC	NC	109 U	124 U	116 U	74.8 J	91.8 J
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	NC	109 U	124 U	116 U	122 U	150 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	NC	218 U	248 U	231 U	243 U	299 U
2,4,5-Trichlorophenol	95-95-4	100,000[CP]	NC	218 U	248 U	231 U	243 U	299 U
2,4,6-Trichlorophenol	88-06-2	NC	NC	218 U	248 U	231 U	243 U	299 U
2,4-Dichlorophenol	120-83-2	100,000[CP]	NC	218 U	248 U	231 U	243 U	299 U
2,4-Dimethylphenol	105-67-9	NC	NC	218 U	248 U	231 U	243 U	299 U
2,4-Dinitrophenol	51-28-5	100,000[CP]	NC	381 U	433 U	404 U	425 U	524 U
2,4-Dinitrotoluene	121-14-2		NC	109 U	124 U	116 U	122 U	150 U
2,6-Dinitrotoluene	606-20-2	1030[CP]	NC	109 U	124 U	116 U	122 U	150 U
2-Chloronaphthalene	91-58-7	NC	NC	109 U	124 U	116 U	122 U	150 U
2-Chlorophenol	95-57-8	100,000[CP]	NC	218 U	248 U	231 U	243 U	299 U
2-Methylnaphthalene	91-57-6	410[CP]	NC	103 J	22.6 J	280	600	1,190
2-Methylphenol	95-48-7	100,000	100,000	218 U	248 U	231 U	243 U	299 U
2-Nitroaniline	88-74-4	NC	NC	218 U	248 U	231 U	243 U	299 U
2-Nitrophenol	88-75-5	NC	NC	218 U	248 U	231 U	243 U	299 U
3,3-Dichlorobenzidine	91-94-1	NC	NC	218 U	248 U	231 U	243 U	299 U
3-Nitroaniline	99-09-2	NC	NC	218 U	248 U	231 U	243 U	299 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	NC	218 U	248 U	231 U	243 U	299 U
4-Bromophenyl-phenylether	101-55-3	NC	NC	109 U	124 U	116 U	122 U	150 U
4-Chloro-3-methylphenol	59-50-7	NC	NC	218 U	248 U	231 U	243 U	299 U
4-Chloroaniline	106-47-8	100,000[CP]	NC	218 U	248 U	231 U	243 U	68.7 J
4-Chlorophenyl-phenylether	7005-72-3	NC	NC	109 U	124 U	116 U	122 U	150 U
4-Nitroaniline	100-01-6	NC	NC	218 U	248 U	231 U	243 U	299 U
4-Nitrophenol	100-02-7	NC	NC	218 U	248 U	231 U	243 U	299 U
Acenaphthene	83-32-9	100,000	100,000	54.4 U	61.9 U	34.7 J	633	74.8 U
Acenaphthylene	208-96-8	100,000	100,000	22.2 J	54.2 J	57.8 U	60.8 U	212
Acetophenone	98-86-2	NC	NC	109 U	124 U	116 U	122 U	150 U
Anthracene	120-12-7	100,000	100,000	27.1 J	76.1	104	1340	331
Atrazine	1912-24-9	NC	NC	109 U	124 U	116 U	122 U	150 U
Benzaldehyde	100-52-7	NC	NC	218 U	64.9 J	35.3 J	46.1 J	532
Benzidine	92-87-5	NC	NC	218 U	248 U	231 U	243 U	299 U
Benzo[a]anthracene	56-55-3	1,000	1,000	68.4	354	331	1,650	834
Benzo[a]pyrene	50-32-8	1,000	1,000	63.7	475	302	1,330	1,010
Benzo[b]fluoranthene	205-99-2	1,000	1,000	95	655	433	1,670	1,740
Benzo[g,h,i]perylene	191-24-2	100,000	100,000	44.2 J	422	210	650	762
Benzo[k]fluoranthene	207-08-9	1,000	3900	32.7 J	240	151	675	554
Bis(2-Chloroethoxy)methane	111-91-1	NC	NC	109 U	124 U	116 U	122 U	150 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	NC	109 U	124 U	116 U	122 U	150 U
Bis(2-Chloroisopropyl)ether	108-60-1	NC	NC	109 U	124 U	116 U	122 U	150 U
Bis(2-Ethylhexyl)phthalate	117-81-7	50,000[CP]	NC	272 U	309 U	289 U	304 U	374 U
Butylbenzylphthalate	85-68-7	100,000[CP]	NC	109 U	124 U	116 U	122 U	38.1 J
Caprolactam	105-60-2	NC	NC	218 U	248 U	231 U	243 U	299 U
Carbazole	86-74-8	NC	NC	17 J	33.6 J	51.5 J	640	139 J
Chrysene	218-01-9	1,000	3,900	91	437	417	1,640	1,230
Dibenzo[a,h]Anthracene	53-70-3	330	330	54.4 U	102	71.7	212	224
Dibenzofuran	132-64-9	14,000	59,000	31.9 J	124 U	86.7 J	555	320
Diethylphthalate	84-66-2	100,000[CP]	NC	109 U	124 U	116 U	122 U	150 U
Dimethylphthalate	131-11-3	100,000[CP]	NC	109 U	124 U	116 U	122 U	150 U
Di-n-butylphthalate	84-74-2	100,000[CP]	NC	109 U	124 U	116 U	122 U	150 U
Di-n-octylphthalate	117-84-0	100,000[CP]	NC	109 U	124 U	116 U	122 U	150 U
Fluoranthene	206-44-0	100,000	100,000	129	663	619	3930	1590
Fluorene	86-73-7	100,000	100,000	54.4 U	61.9 U	37.6 J	673	75.4
Hexachlorobenzene	118-74-1	330 410[CP]	1,200	109 U	124 U	116 U	122 U	150 U
Hexachlorobutadiene	87-68-3	NC	NC	109 U	124 U	116 U	122 U	150 U
Hexachlorocyclopentadiene	77-47-4	NC	NC	218 U	248 U	231 U	243 U	299 U
Hexachloroethane	67-72-1	NC	NC	109 U	124 U	116 U	122 U	150 U
Indeno[1,2,3-cd]pyrene	193-39-5	500	500	42.6 J	408	206	760	803
Isophorone	78-59-1	100,000[CP]	NC	109 U	124 U	116 U	122 U	150 U
m-Cresol & p-Cresol	MEPH1314	NC	NC	218 U	43.5 J	231 U	32.4 J	76.1 J
Naphthalene	91-20-3	100,000	100,000	59.7	61.9 U	175	561	848
Nitrobenzene	98-95-3	3,700[CP]	15,000[CP]	109 U	124 U	116 U	122 U	150 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	NC	109 U	124 U	116 U	122 U	150 U
N-Nitrosodiphenylamine	86-30-6	NC	NC	109 U	124 U	116 U	122 U	150 U
Pentachlorophenol	87-86-5	2,400	6,700	218 U	248 U	231 U	243 U	299 U
Phenanthrene	85-01-8	100,000	100,000	166	247	604	4930	1290
Phenol	108-95-2	100,000	100,000	218 U	248 U	231 U	243 U	49.4 J
Pyrene	129-00-0	100,000	100,000	110	620	537	3210	1450
Pyridine	110-86-1	NC	NC	218 U	248 U	231 U	243 U	299 U
Total SVOC TICs	NA	NC	NC	15,426	47,050	17,270	12,196	39,759

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICS identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.

(green)	Exceeds Residential Use SCO listed in Part 375 or CP-51
(orange)	Concentration exceeds Part 375 Residential, Restricted Residential SCOs

Table 5B1 - Existing Surface Cover Soil Results Compared to Restricted SCOs
SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

			Sample Location	SS-124	SS-125	SS-129	SS-130	SS-131
			Sample ID	SS-124-1-2-092216	SS-125-1-2-092216	SS-129-0-0.17-092016	SS-130-0.5-1.5-092216	SS-131-0-0.17-092016
			Sample Date	9/22/2016	9/22/2016	9/20/2016	9/22/2016	9/20/2016
			Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
			Lab SDG	2177432	2177432	2177436	2177432	2177436
			Start Depth	1	1	0	0.5	0
			End Depth	2	2	0.17	1.5	0.17
Chemical Name	**CAS #**	**NY Part 375 Residential SCO[1]**	**NY Part 375 Restricted Residential SCO[1]**					
SVOCs								
1,1'-Biphenyl	92-52-4	NC	NC	37 J	147	144 U	35 J	107 U
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	NC	115 U	111 U	144 U	117 U	107 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	NC	230 U	222 U	288 U	235 U	215 U
2,4,5-Trichlorophenol	95-95-4	100,000[CP]	NC	230 U	222 U	288 U	235 U	215 U
2,4,6-Trichlorophenol	88-06-2	NC	NC	230 U	222 U	288 U	235 U	215 U
2,4-Dichlorophenol	120-83-2	100,000[CP]	NC	230 U	222 U	288 U	235 U	215 U
2,4-Dimethylphenol	105-67-9	NC	NC	230 UJ	222 U	288 U	235 U	215 U
2,4-Dinitrophenol	51-28-5	100,000[CP]	NC	230 U	222 U	505 U	235 U	376 U
2,4-Dinitrotoluene	121-14-2		NC	115 UJ	111 U	144 U	117 U	107 U
2,6-Dinitrotoluene	606-20-2	1030[CP]	NC	115 U	111 U	144 U	117 U	107 U
2-Chloronaphthalene	91-58-7	NC	NC	115 U	111 U	144 U	117 U	107 U
2-Chlorophenol	95-57-8	100,000[CP]	NC	230 U	222 U	288 U	235 U	215 U
2-Methylnaphthalene	91-57-6	410[CP]	NC	297 J	2,070 J	62.1 J	258 J	25.4 J
2-Methylphenol	95-48-7	100,000	100,000	230 U	222 U	288 U	235 U	215 U
2-Nitroaniline	88-74-4	NC	NC	230 U	222 U	288 U	235 U	215 U
2-Nitrophenol	88-75-5	NC	NC	230 U	222 U	288 U	235 U	215 U
3,3-Dichlorobenzidine	91-94-1	NC	NC	230 UJ	222 U	288 U	235 U	215 U
3-Nitroaniline	99-09-2	NC	NC	230 UJ	222 U	288 U	235 U	215 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	NC	230 UJ	222 U	288 U	235 U	215 U
4-Bromophenyl-phenylether	101-55-3	NC	NC	115 U	111 U	144 U	117 U	107 U
4-Chloro-3-methylphenol	59-50-7	NC	NC	230 U	222 U	288 U	235 U	215 U
4-Chloroaniline	106-47-8	100,000[CP]	NC	230 UJ	222 U	288 U	235 U	215 U
4-Chlorophenyl-phenylether	7005-72-3	NC	NC	115 U	111 U	144 U	117 U	107 U
4-Nitroaniline	100-01-6	NC	NC	230 U	222 U	288 U	235 U	215 U
4-Nitrophenol	100-02-7	NC	NC	230 U	222 U	288 U	235 U	215 U
Acenaphthene	83-32-9	100,000	100,000	52.1 J	189	72.1 U	24.2 J	56.3
Acenaphthylene	208-96-8	100,000	100,000	867	55.5 U	34.1 J	58.7 U	66
Acetophenone	98-86-2	NC	NC	115 U	111 U	144 U	117 U	107 U
Anthracene	120-12-7	100,000	100,000	1040	560	79.3	44.7 J	209
Atrazine	1912-24-9	NC	NC	115 U	111 U	144 U	117 U	107 U
Benzaldehyde	100-52-7	NC	NC	59.6 J	222 U	160 J	235 U	215 U
Benzidine	92-87-5	NC	NC	230 R	222 U	288 U	235 U	215 U
Benzo[a]anthracene	56-55-3	1,000	1,000	1,410	1,540	293	144	646
Benzo[a]pyrene	50-32-8	1,000	1,000	2,610	1,750	710	150	650
Benzo[b]fluoranthene	205-99-2	1,000	1,000	4,350	2,660	628	214	865
Benzo[g,h,i]perylene	191-24-2	100,000	100,000	2320	1320	1070	132	407
Benzo[k]fluoranthene	207-08-9	1,000	3900	1310	918	215	85.8	311
Bis(2-Chloroethoxy)methane	111-91-1	NC	NC	115 U	111 U	144 U	117 U	107 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	NC	115 U	111 U	144 U	117 U	107 U
Bis(2-Chloroisopropyl)ether	108-60-1	NC	NC	115 U	111 U	144 U	117 U	107 U
Bis(2-Ethylhexyl)phthalate	117-81-7	50,000[CP]	NC	115 U	111 U	629	117 U	268 U
Butylbenzylphthalate	85-68-7	100,000[CP]	NC	115 U	111 U	144 U	117 U	138
Caprolactam	105-60-2	NC	NC	230 UJ	222 UJ	288 U	235 UJ	215 U
Carbazole	86-74-8	NC	NC	208	304	58.7 J	27.2 J	90.2 J
Chrysene	218-01-9	1,000	3,900	1,970	2,130	391	200	716
Dibenzo[a,h]Anthracene	53-70-3	330	330	572	317	572	58.7 U	119
Dibenzofuran	132-64-9	14,000	59,000	104 J	629	144 U	58.1 J	25.3 J
Diethylphthalate	84-66-2	100,000[CP]	NC	115 U	111 U	144 U	117 U	107 U
Dimethylphthalate	131-11-3	100,000[CP]	NC	115 U	111 U	144 U	117 U	107 U
Di-n-butylphthalate	84-74-2	100,000[CP]	NC	115 U	237	144 U	117 U	107 U
Di-n-octylphthalate	117-84-0	100,000[CP]	NC	115 UJ	111 UJ	144 U	117 UJ	107 U
Fluoranthene	206-44-0	100,000	100,000	1400	3050	570	225	1370
Fluorene	86-73-7	100,000	100,000	83.1	215	72.1 U	58.7 U	63
Hexachlorobenzene	118-74-1	330 410[CP]	1,200	115 U	111 U	144 U	117 U	107 U
Hexachlorobutadiene	87-68-3	NC	NC	115 U	111 U	144 U	117 U	107 U
Hexachlorocyclopentadiene	77-47-4	NC	NC	230 U	222 U	288 U	235 U	215 U
Hexachloroethane	67-72-1	NC	NC	115 U	111 U	144 U	117 U	107 U
Indeno[1,2,3-cd]pyrene	193-39-5	500	500	2,170	1,300	558	124	431
Isophorone	78-59-1	100,000[CP]	NC	115 U	111 U	144 U	117 U	107 U
m-Cresol & p-Cresol	MEPH1314	NC	NC	230 U	222 U	288 U	235 U	215 U
Naphthalene	91-20-3	100,000	100,000	239	1090	72.1 U	173	53.7 U
Nitrobenzene	98-95-3	3,700[CP]	15,000[CP]	115 U	111 U	144 U	117 U	107 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	NC	115 U	111 U	144 U	117 U	107 U
N-Nitrosodiphenylamine	86-30-6	NC	NC	115 U	111 U	144 U	117 U	107 U
Pentachlorophenol	87-86-5	2,400	6,700	230 U	222 U	288 U	235 U	215 U
Phenanthrene	85-01-8	100,000	100,000	731	4430	291	293	823
Phenol	108-95-2	100,000	100,000	230 U	222 U	288 U	235 U	215 U
Pyrene	129-00-0	100,000	100,000	2020	3850	468	276	1200
Pyridine	110-86-1	NC	NC	230 U	222 U	288 U	235 U	215 U
Total SVOC TICs	NA	NC	NC	19,978	26,020	80,810	6,034	16,241

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICS identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.
Exceeds Residential Use SCO listed in Part 375 or CP-51
Concentration exceeds Part 375 Residential, Restricted Residential SCOs

Table 5B1 - Existing Surface Cover Soil Results Compared to Restricted SCOs
SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

			Sample Location	SS-132	SS-133	SS-134	SS-135	SS-136
			Sample ID	SS-132-1-1.5-092216	SS-133-1-2-092016	SS-134-0-0.17-091916	SS-135-0-0.17-091916	SS-136-0-0.17-091916
			Sample Date	9/22/2016	9/20/2016	9/19/2016	9/19/2016	9/19/2016
			Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
			Lab SDG	2177432	2177436	2176860	2176860	2176860
			Start Depth	1	1	0	0	0
			End Depth	1.5	2	0.17	0.17	0.17
Chemical Name	CAS #	NY Part 375 Residential SCO[1]	NY Part 375 Restricted Residential SCO[1]					
SVOCs								
1,1'-Biphenyl	92-52-4	NC	NC	11.5 J	66.9 J	125 U	28.2 J	124 U
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	NC	108 U	107 U	125 U	135 U	124 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	NC	216 U	214 U	249 U	270 U	249 U
2,4,5-Trichlorophenol	95-95-4	100,000[CP]	NC	216 U	214 U	249 U	270 U	249 U
2,4,6-Trichlorophenol	88-06-2	NC	NC	216 U	214 U	249 U	270 U	249 U
2,4-Dichlorophenol	120-83-2	100,000[CP]	NC	216 U	214 U	249 U	270 U	249 U
2,4-Dimethylphenol	105-67-9	NC	NC	216 U	214 U	249 U	270 U	249 U
2,4-Dinitrophenol	51-28-5	100,000[CP]	NC	216 UJ	374 U	249 U	270 U	249 U
2,4-Dinitrotoluene	121-14-2		NC	108 U	107 U	125 U	135 U	124 U
2,6-Dinitrotoluene	606-20-2	1030[CP]	NC	108 U	107 U	125 U	135 U	124 U
2-Chloronaphthalene	91-58-7	NC	NC	108 U	107 U	125 U	135 U	124 U
2-Chlorophenol	95-57-8	100,000[CP]	NC	216 U	214 U	249 U	270 U	249 U
2-Methylnaphthalene	91-57-6	410[CP]	NC	84.3 J	359	125 U	184 J	10.2 J
2-Methylphenol	95-48-7	100,000	100,000	216 U	214 U	249 U	28.3 J	249 U
2-Nitroaniline	88-74-4	NC	NC	216 U	214 U	249 U	270 U	249 U
2-Nitrophenol	88-75-5	NC	NC	216 U	214 U	249 U	270 U	249 U
3,3-Dichlorobenzidine	91-94-1	NC	NC	216 U	214 U	249 U	270 U	249 U
3-Nitroaniline	99-09-2	NC	NC	216 U	214 U	249 U	270 U	249 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	NC	216 U	214 U	249 U	270 U	249 U
4-Bromophenyl-phenylether	101-55-3	NC	NC	108 U	107 U	125 U	135 U	124 U
4-Chloro-3-methylphenol	59-50-7	NC	NC	216 U	214 U	249 U	270 U	249 U
4-Chloroaniline	106-47-8	100,000[CP]	NC	216 U	214 U	249 U	270 U	249 U
4-Chlorophenyl-phenylether	7005-72-3	NC	NC	108 U	107 U	125 U	135 U	124 U
4-Nitroaniline	100-01-6	NC	NC	216 U	214 U	249 U	270 U	249 U
4-Nitrophenol	100-02-7	NC	NC	216 UJ	214 U	249 U	270 U	249 U
Acenaphthene	83-32-9	100,000	100,000	47.9 J	354	62.3 U	183	62.2 U
Acenaphthylene	208-96-8	100,000	100,000	101	53.4 U	9 J	982	9.7 J
Acetophenone	98-86-2	NC	NC	108 U	107 U	125 U	135 U	124 U
Anthracene	120-12-7	100,000	100,000	277	1180	19 J	983	14.7 J
Atrazine	1912-24-9	NC	NC	108 U	107 U	125 U	135 U	124 U
Benzaldehyde	100-52-7	NC	NC	19.2 J	109 J	22.4 J	86.7 J	249 U
Benzidine	92-87-5	NC	NC	216 U	214 U	249 U	270 U	249 U
Benzo[a]anthracene	56-55-3	1,000	1,000	985	1,910	94.5	3,920	84.7
Benzo[a]pyrene	50-32-8	1,000	1,000	1,110	1,740	106	3,780	92.4
Benzo[b]fluoranthene	205-99-2	1,000	1,000	1,360 J	2,410	134	5,840	130
Benzo[g,h,i]perylene	191-24-2	100,000	100,000	662	1150	80.5	1,990	59.7 J
Benzo[k]fluoranthene	207-08-9	1,000	3900	528 J	852	68.5	2,200	52.9 J
Bis(2-Chloroethoxy)methane	111-91-1	NC	NC	108 U	107 U	125 U	135 U	124 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	NC	108 U	107 U	125 U	135 U	124 U
Bis(2-Chloroisopropyl)ether	108-60-1	NC	NC	108 U	107 U	125 U	135 U	124 U
Bis(2-Ethylhexyl)phthalate	117-81-7	50,000[CP]	NC	57.1 J	267 U	125 U	135 U	124 U
Butylbenzylphthalate	85-68-7	100,000[CP]	NC	108 U	107 U	125 U	135 U	124 U
Caprolactam	105-60-2	NC	NC	216 U	214 U	249 UJ	270 UJ	249 UJ
Carbazole	86-74-8	NC	NC	117	501	13 J	372	10.2 J
Chrysene	218-01-9	1,000	3,900	990	2130	92.8	4,140	103
Dibenzo[a,h]Anthracene	53-70-3	330	330	187	300	25.8 J	582	14.7 J
Dibenzofuran	132-64-9	14,000	59,000	58.1 J	432	125 U	148	124 U
Diethylphthalate	84-66-2	100,000[CP]	NC	108 U	107 U	125 U	135 U	124 U
Dimethylphthalate	131-11-3	100,000[CP]	NC	108 U	107 U	125 U	135 U	124 U
Di-n-butylphthalate	84-74-2	100,000[CP]	NC	108 U	107 U	125 U	135 U	124 U
Di-n-octylphthalate	117-84-0	100,000[CP]	NC	108 UJ	107 U	125 UJ	135 UJ	124 UJ
Fluoranthene	206-44-0	100,000	100,000	1730	5330	161	8170	161
Fluorene	86-73-7	100,000	100,000	90.8	475	62.3 U	205	62.2 U
Hexachlorobenzene	118-74-1	330 410[CP]	1,200	108 U	107 U	125 U	135 U	124 U
Hexachlorobutadiene	87-68-3	NC	NC	108 U	107 U	125 U	135 U	124 U
Hexachlorocyclopentadiene	77-47-4	NC	NC	216 U	214 U	249 U	270 U	249 U
Hexachloroethane	67-72-1	NC	NC	108 U	107 U	125 U	135 U	124 U
Indeno[1,2,3-cd]pyrene	193-39-5	500	500	732	1,220	72.4	2,340	62.1 J
Isophorone	78-59-1	100,000[CP]	NC	108 U	107 U	125 U	135 U	124 U
m-Cresol & p-Cresol	MEPH1314	NC	NC	16.5 J	23.5 J	249 U	64.8 J	249 U
Naphthalene	91-20-3	100,000	100,000	94.5 J	375	62.3 U	260	62.2 U
Nitrobenzene	98-95-3	3,700[CP]	15,000[CP]	108 U	107 U	125 U	135 U	124 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	NC	108 U	107 U	125 U	135 U	124 U
N-Nitrosodiphenylamine	86-30-6	NC	NC	108 U	107 U	125 U	135 U	124 U
Pentachlorophenol	87-86-5	2,400	6,700	216 U	214 U	249 U	270 U	249 U
Phenanthrene	85-01-8	100,000	100,000	1060	5510	65.9	2920	65.2
Phenol	108-95-2	100,000	100,000	216 U	214 U	249 U	60 J	249 U
Pyrene	129-00-0	100,000	100,000	1790 J	4070	157	7900	150
Pyridine	110-86-1	NC	NC	216 U	214 U	249 U	270 U	249 U
Total SVOC TICs	NA	NC	NC	7,811	28,635	4,765	23,228	11,241

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICS identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.
Exceeds Residential Use SCO listed in Part 375 or CP-51
Concentration exceeds Part 375 Residential, Restricted Residential SCOs

Table 5B1 - Existing Surface Cover Soil Results Compared to Restricted SCOs
SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

			Sample Location	SS-137	SS-138	SS-140	SS-141[BB]	SS-142
			Sample ID	SS-137-1.5-2-092016	SS-138-0.5-1-092016	SS-140-0-0.17-091916	SS-141-1-2-092116	SS-142-0.5-1.5-092116
			Sample Date	9/20/2016	9/20/2016	9/19/2016	9/21/2016	9/21/2016
			Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
			Lab SDG	2177436	2177433	2176860	2177433	2177433
			Start Depth	1.5	0.5	0	1	0.5
			End Depth	2	1	0.17	2	1.5
Chemical Name	CAS #	NY Part 375 Residential SCO[1]	NY Part 375 Restricted Residential SCO[1]					
SVOCs								
1,1'-Biphenyl	92-52-4	NC	NC	108 U	106 U	29.3 J	6510	258
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	NC	108 U	106 U	150 U	131 U	111 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	NC	216 U	212 U	299 U	262 U	222 U
2,4,5-Trichlorophenol	95-95-4	100,000[CP]	NC	216 U	212 U	299 U	262 U	222 U
2,4,6-Trichlorophenol	88-06-2	NC	NC	216 U	212 U	299 U	262 U	222 U
2,4-Dichlorophenol	120-83-2	100,000[CP]	NC	216 U	212 U	299 U	262 U	222 U
2,4-Dimethylphenol	105-67-9	NC	NC	216 U	212 U	299 U	540	222 U
2,4-Dinitrophenol	51-28-5	100,000[CP]	NC	378 U	370 U	299 U	459 U	389 U
2,4-Dinitrotoluene	121-14-2		NC	108 U	106 U	150 U	131 U	111 U
2,6-Dinitrotoluene	606-20-2	1030[CP]	NC	108 U	106 U	150 U	131 U	111 U
2-Chloronaphthalene	91-58-7	NC	NC	108 U	106 U	150 U	131 U	111 U
2-Chlorophenol	95-57-8	100,000[CP]	NC	216 U	212 U	299 U	262 U	222 U
2-Methylnaphthalene	91-57-6	410[CP]	NC	108 U	72.3 J	234 J	33,000	1,470
2-Methylphenol	95-48-7	100,000	100,000	216 U	212 U	299 U	283	222 U
2-Nitroaniline	88-74-4	NC	NC	216 U	212 U	299 U	262 U	222 U
2-Nitrophenol	88-75-5	NC	NC	216 U	212 U	299 U	262 U	222 U
3,3-Dichlorobenzidine	91-94-1	NC	NC	216 U	212 U	299 U	262 U	222 U
3-Nitroaniline	99-09-2	NC	NC	216 U	212 U	299 U	262 U	222 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	NC	216 U	212 U	299 U	262 U	222 U
4-Bromophenyl-phenylether	101-55-3	NC	NC	108 U	106 U	150 U	131 U	111 U
4-Chloro-3-methylphenol	59-50-7	NC	NC	216 U	212 U	299 U	262 U	222 U
4-Chloroaniline	106-47-8	100,000[CP]	NC	216 U	212 U	299 U	262 U	222 U
4-Chlorophenyl-phenylether	7005-72-3	NC	NC	108 U	106 U	150 U	131 U	111 U
4-Nitroaniline	100-01-6	NC	NC	216 U	212 U	299 U	262 U	222 U
4-Nitrophenol	100-02-7	NC	NC	216 U	212 U	299 U	262 U	222 U
Acenaphthene	83-32-9	100,000	100,000	54 U	52.9 U	29.2 J	96200	2630
Acenaphthylene	208-96-8	100,000	100,000	54 U	52.9 U	355	65.6 U	622
Acetophenone	98-86-2	NC	NC	108 U	106 U	150 U	380	111 U
Anthracene	120-12-7	100,000	100,000	54 U	52.9 U	219	184,000	7980
Atrazine	1912-24-9	NC	NC	108 U	106 U	150 U	131 U	111 U
Benzaldehyde	100-52-7	NC	NC	216 U	212 U	181 J	262 U	222 U
Benzidine	92-87-5	NC	NC	216 U	212 U	299 U	262 U	222 U
Benzo[a]anthracene	56-55-3	1,000	1,000	54 U	52.9 U	1,020	232,000	20,400
Benzo[a]pyrene	50-32-8	1,000	1,000	54 U	52.9 U	1,890	202,000	16,800
Benzo[b]fluoranthene	205-99-2	1,000	1,000	31.3 J	34.8 J	3,180	262,000	22,700
Benzo[g,h,i]perylene	191-24-2	100,000	100,000	54 U	52.9 U	1,050	114,000	8,580
Benzo[k]fluoranthene	207-08-9	1,000	3900	54 U	52.9 U	1,020	99,400	7,100
Bis(2-Chloroethoxy)methane	111-91-1	NC	NC	108 U	106 U	150 U	131 U	111 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	NC	108 U	106 U	150 U	131 U	111 U
Bis(2-Chloroisopropyl)ether	108-60-1	NC	NC	108 U	106 U	150 U	131 U	111 U
Bis(2-Ethylhexyl)phthalate	117-81-7	50,000[CP]	NC	270 U	265 U	150 U	328 U	278 U
Butylbenzylphthalate	85-68-7	100,000[CP]	NC	108 U	106 U	150 U	131 U	111 U
Caprolactam	105-60-2	NC	NC	216 U	212 U	299 UJ	262 U	222 U
Carbazole	86-74-8	NC	NC	108 U	106 U	79.9 J	107,000	3420
Chrysene	218-01-9	1,000	3,900	54 U	34.1 J	1,780	229,000	21,000
Dibenzo[a,h]Anthracene	53-70-3	330	330	54 U	52.9 U	358	32,100	2,840
Dibenzofuran	132-64-9	14,000	59,000	108 U	31 J	94.8 J	81,900	1,510
Diethylphthalate	84-66-2	100,000[CP]	NC	108 U	106 U	150 U	131 U	111 U
Dimethylphthalate	131-11-3	100,000[CP]	NC	108 U	106 U	150 U	131 U	111 U
Di-n-butylphthalate	84-74-2	100,000[CP]	NC	108 U	106 U	150 U	131 U	111 U
Di-n-octylphthalate	117-84-0	100,000[CP]	NC	108 U	106 U	150 UJ	131 U	111 U
Fluoranthene	206-44-0	100,000	100,000	38.1 J	41.2 J	980	598,000	44,600
Fluorene	86-73-7	100,000	100,000	54 U	52.9 U	45.8 J	114,000	3140
Hexachlorobenzene	118-74-1	330 410[CP]	1,200	108 U	106 U	150 U	131 U	111 U
Hexachlorobutadiene	87-68-3	NC	NC	108 U	106 U	150 U	131 U	111 U
Hexachlorocyclopentadiene	77-47-4	NC	NC	216 U	212 U	299 U	262 U	222 U
Hexachloroethane	67-72-1	NC	NC	108 U	106 U	150 U	131 U	111 U
Indeno[1,2,3-cd]pyrene	193-39-5	500	500	54 U	52.9 U	1,240	127,000	10,600
Isophorone	78-59-1	100,000[CP]	NC	108 U	106 U	150 U	131 U	111 U
m-Cresol & p-Cresol	MEPH1314	NC	NC	216 U	212 U	299 U	837	53.5 J
Naphthalene	91-20-3	100,000	100,000	54 U	52.9 U	124	95,000	1,450
Nitrobenzene	98-95-3	3,700[CP]	15,000[CP]	108 U	106 U	150 U	131 U	111 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	NC	108 U	106 U	150 U	131 U	111 U
N-Nitrosodiphenylamine	86-30-6	NC	NC	108 U	106 U	150 U	131 U	111 U
Pentachlorophenol	87-86-5	2,400	6,700	216 U	212 U	299 U	262 U	222 U
Phenanthrene	85-01-8	100,000	100,000	20.7 J	172	986	733,000	38,800
Phenol	108-95-2	100,000	100,000	216 U	212 U	299 U	456	222 U
Pyrene	129-00-0	100,000	100,000	31.8 J	35.1 J	1,050	470,000	39500
Pyridine	110-86-1	NC	NC	216 U	212 U	299 U	262 U	222 U
Total SVOC TICs	NA	NC	NC	1,719	14,274	49,520	7,811	48,867

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICS identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.

(green)	Exceeds Residential Use SCO listed in Part 375 or CP-51
(orange)	Concentration exceeds Part 375 Residential, Restricted Residential SCOs

Table 5B1 - Existing Surface Cover Soil Results Compared to Restricted SCOs
SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

Chemical Name	CAS #	NY Part 375 Residential SCO[1]	NY Part 375 Restricted Residential SCO[1]	SS-143	SS-144	SS-145	SS-146
			Sample ID	SS-143-0-0.17-091916	SS-144-0.5-1.5-092116	SS-145-0.5-1.5-092116	SS-146-0-0.17-091916
			Sample Date	9/19/2016	9/21/2016	9/21/2016	9/19/2016
			Unit	µg/kg	µg/kg	µg/kg	µg/kg
			Lab SDG	2176860	2177433	2177433	2176860
			Start Depth	0	0.5	0.5	0
			End Depth	0.17	1.5	1.5	0.17
SVOCs							
1,1'-Biphenyl	92-52-4	NC	NC	133 U	104 U	21.6 J	127 U
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	NC	133 U	104 U	115 U	127 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	NC	266 U	208 U	231 U	253 U
2,4,5-Trichlorophenol	95-95-4	100,000[CP]	NC	266 U	208 U	231 U	253 U
2,4,6-Trichlorophenol	88-06-2	NC	NC	266 U	208 U	231 U	253 U
2,4-Dichlorophenol	120-83-2	100,000[CP]	NC	266 U	208 U	231 U	253 U
2,4-Dimethylphenol	105-67-9	NC	NC	266 U	208 U	231 U	253 U
2,4-Dinitrophenol	51-28-5	100,000[CP]	NC	266 U	208 UJ	231 UJ	253 U
2,4-Dinitrotoluene	121-14-2		NC	133 U	104 U	115 U	127 U
2,6-Dinitrotoluene	606-20-2	1030[CP]	NC	133 U	104 U	115 U	127 U
2-Chloronaphthalene	91-58-7	NC	NC	133 U	104 U	115 U	127 U
2-Chlorophenol	95-57-8	100,000[CP]	NC	266 U	208 U	231 U	253 U
2-Methylnaphthalene	91-57-6	410[CP]	NC	133 U	27.1 J	113 J	10.1 J
2-Methylphenol	95-48-7	100,000	100,000	266 U	208 U	231 U	253 U
2-Nitroaniline	88-74-4	NC	NC	266 U	208 U	231 U	253 U
2-Nitrophenol	88-75-5	NC	NC	266 U	208 U	231 U	253 U
3,3-Dichlorobenzidine	91-94-1	NC	NC	266 U	208 U	231 U	253 U
3-Nitroaniline	99-09-2	NC	NC	266 U	208 U	231 U	253 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	NC	266 U	208 U	231 U	253 U
4-Bromophenyl-phenylether	101-55-3	NC	NC	133 U	104 U	115 U	127 U
4-Chloro-3-methylphenol	59-50-7	NC	NC	266 U	208 U	231 U	253 U
4-Chloroaniline	106-47-8	100,000[CP]	NC	266 U	208 U	231 U	253 U
4-Chlorophenyl-phenylether	7005-72-3	NC	NC	133 U	104 U	115 U	127 U
4-Nitroaniline	100-01-6	NC	NC	266 U	208 U	231 U	253 U
4-Nitrophenol	100-02-7	NC	NC	266 U	208 UJ	231 UJ	253 U
Acenaphthene	83-32-9	100,000	100,000	66.4 U	52.1 U	57.7 U	63.3 U
Acenaphthylene	208-96-8	100,000	100,000	66.4 U	52.1 U	97.7	63.3 U
Acetophenone	98-86-2	NC	NC	133 U	104 U	115 U	127 U
Anthracene	120-12-7	100,000	100,000	11.6 J	11.4 J	64.2	63.3 U
Atrazine	1912-24-9	NC	NC	133 U	104 U	115 U	127 U
Benzaldehyde	100-52-7	NC	NC	266 U	32.4 J	118 J	253 U
Benzidine	92-87-5	NC	NC	266 U	208 R	231 U	253 U
Benzo[a]anthracene	56-55-3	1,000	1,000	57 J	52.1 U	229	53.2 J
Benzo[a]pyrene	50-32-8	1,000	1,000	69.3	46.9 J	243	66.7
Benzo[b]fluoranthene	205-99-2	1,000	1,000	107	79.8 J	581 J	90.1
Benzo[g,h,i]perylene	191-24-2	100,000	100,000	56.7 J	39.9 J	271	43 J
Benzo[k]fluoranthene	207-08-9	1,000	3900	46.6 J	29.4 J	156 J	63.3 U
Bis(2-Chloroethoxy)methane	111-91-1	NC	NC	133 U	104 U	115 U	127 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	NC	133 U	104 U	115 U	127 U
Bis(2-Chloroisopropyl)ether	108-60-1	NC	NC	133 U	104 U	115 U	127 U
Bis(2-Ethylhexyl)phthalate	117-81-7	50,000[CP]	NC	133 U	19 J	13 J	127 U
Butylbenzylphthalate	85-68-7	100,000[CP]	NC	133 U	7.7 J	115 U	127 U
Caprolactam	105-60-2	NC	NC	266 UJ	208 U	231 U	253 UJ
Carbazole	86-74-8	NC	NC	12.7 J	8.8 J	29.1 J	10.2 J
Chrysene	218-01-9	1,000	3,900	64.7 J	71	457	68.1
Dibenzo[a,h]Anthracene	53-70-3	330	330	66.4 U	11.5 J	98.8	12.8 J
Dibenzofuran	132-64-9	14,000	59,000	133 U	9.1 J	28.8 J	127 U
Diethylphthalate	84-66-2	100,000[CP]	NC	133 U	104 U	115 U	127 U
Dimethylphthalate	131-11-3	100,000[CP]	NC	133 U	104 U	115 U	127 U
Di-n-butylphthalate	84-74-2	100,000[CP]	NC	133 U	104 U	115 U	127 U
Di-n-octylphthalate	117-84-0	100,000[CP]	NC	133 UJ	104 UJ	115 UJ	127 UJ
Fluoranthene	206-44-0	100,000	100,000	123	85.5	370	120
Fluorene	86-73-7	100,000	100,000	66.4 U	52.1 U	28.1 J	63.3 U
Hexachlorobenzene	118-74-1	330 410[CP]	1,200	133 U	104 U	115 U	127 U
Hexachlorobutadiene	87-68-3	NC	NC	133 U	104 U	115 U	127 U
Hexachlorocyclopentadiene	77-47-4	NC	NC	266 U	208 U	231 U	253 U
Hexachloroethane	67-72-1	NC	NC	133 U	104 U	115 U	127 U
Indeno[1,2,3-cd]pyrene	193-39-5	500	500	65 J	40.9 J	193	47.3 J
Isophorone	78-59-1	100,000[CP]	NC	133 U	104 U	115 U	127 U
m-Cresol & p-Cresol	MEPH1314	NC	NC	266 U	208 U	15.9 J	253 U
Naphthalene	91-20-3	100,000	100,000	66.4 U	52.1 U	140 J	63.3 U
Nitrobenzene	98-95-3	3,700[CP]	15,000[CP]	133 U	104 U	115 U	127 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	NC	133 U	104 U	115 U	127 U
N-Nitrosodiphenylamine	86-30-6	NC	NC	133 U	104 U	115 U	127 U
Pentachlorophenol	87-86-5	2,400	6,700	266 U	208 U	231 U	253 U
Phenanthrene	85-01-8	100,000	100,000	49.9 J	69	651	72.2
Phenol	108-95-2	100,000	100,000	266 U	208 U	231 U	253 U
Pyrene	129-00-0	100,000	100,000	126	87.5 J	455 J	129
Pyridine	110-86-1	NC	NC	266 U	208 U	231 U	253 U
Total SVOC TICs	NA	NC	NC	10,099	NT	17,218	3,639

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICS identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.
Exceeds Residential Use SCO listed in Part 375 or CP-51
Concentration exceeds Part 375 Residential, Restricted Residential SCOs

Table 5B1 - Existing Surface Cover Soil Results Compared to Restricted SCOs
SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

			Sample Location	SS-147	SS-148	SS-149	SS-150	SS-150
			Sample ID	SS-147-0.5-1.5-092116	SS-148-0-0.17-092016	SS-149-0-0.17-091916	DUP-006-091916	SS-150-0-0.17-091916
			Sample Date	9/21/2016	9/20/2016	9/19/2016	9/19/2016	9/19/2016
			Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
			Lab SDG	2177433	2177436	2176860	2176860	2176860
			Start Depth	0.5	0	0	0	0
			End Depth	1.5	0.17	0.17	0.17	0.17
Chemical Name	CAS #	NY Part 375 Residential SCO[1]	NY Part 375 Restricted Residential SCO[1]					
SVOCs								
1,1'-Biphenyl	92-52-4	NC	NC	1080	33.2 J	25.3 J	126 U	129 U
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	NC	112 U	127 U	126 U	126 U	129 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	NC	225 U	254 U	252 U	253 U	258 U
2,4,5-Trichlorophenol	95-95-4	100,000[CP]	NC	225 U	254 U	252 U	253 U	258 U
2,4,6-Trichlorophenol	88-06-2	NC	NC	225 U	254 U	252 U	253 U	258 U
2,4-Dichlorophenol	120-83-2	100,000[CP]	NC	225 U	254 U	252 U	253 U	258 U
2,4-Dimethylphenol	105-67-9	NC	NC	47.9 J	254 U	252 U	253 U	258 U
2,4-Dinitrophenol	51-28-5	100,000[CP]	NC	394 U	444 R	252 U	253 U	258 U
2,4-Dinitrotoluene	121-14-2		NC	112 U	127 U	126 U	126 U	129 U
2,6-Dinitrotoluene	606-20-2	1030[CP]	NC	112 U	127 U	126 U	126 U	129 U
2-Chloronaphthalene	91-58-7	NC	NC	112 U	127 U	126 U	126 U	129 U
2-Chlorophenol	95-57-8	100,000[CP]	NC	225 U	254 U	252 U	253 U	258 U
2-Methylnaphthalene	91-57-6	410[CP]	NC	4,820	233	180 J	34 J	22.4 J
2-Methylphenol	95-48-7	100,000	100,000	45 J	254 U	252 U	253 U	258 U
2-Nitroaniline	88-74-4	NC	NC	225 U	254 U	252 U	253 U	258 U
2-Nitrophenol	88-75-5	NC	NC	225 U	254 U	252 U	253 U	258 U
3,3-Dichlorobenzidine	91-94-1	NC	NC	225 U	254 U	252 U	253 U	258 U
3-Nitroaniline	99-09-2	NC	NC	225 U	254 U	252 U	253 U	258 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	NC	225 U	254 UJ	252 U	253 U	258 U
4-Bromophenyl-phenylether	101-55-3	NC	NC	112 U	127 U	126 U	126 U	129 U
4-Chloro-3-methylphenol	59-50-7	NC	NC	225 U	254 U	252 U	253 U	258 U
4-Chloroaniline	106-47-8	100,000[CP]	NC	225 U	254 U	252 U	253 U	258 U
4-Chlorophenyl-phenylether	7005-72-3	NC	NC	112 U	127 U	126 U	126 U	129 U
4-Nitroaniline	100-01-6	NC	NC	225 U	254 U	252 U	253 U	258 U
4-Nitrophenol	100-02-7	NC	NC	225 U	254 U	252 U	253 U	258 U
Acenaphthene	83-32-9	100,000	100,000	14,900	48.2 J	63.2	63.2 U	64.5 U
Acenaphthylene	208-96-8	100,000	100,000	56.2 U	105	1050	19.5 J	15.3 J
Acetophenone	98-86-2	NC	NC	112 U	127 U	126 U	126 U	129 U
Anthracene	120-12-7	100,000	100,000	37200	199	722	24.4 J	16.8 J
Atrazine	1912-24-9	NC	NC	112 U	127 U	126 U	126 U	129 U
Benzaldehyde	100-52-7	NC	NC	225 U	169 J	88.1 J	253 U	258 U
Benzidine	92-87-5	NC	NC	225 U	254 R	252 U	253 U	258 U
Benzo[a]anthracene	56-55-3	1,000	1,000	59,300	842	2,970	109	94.7
Benzo[a]pyrene	50-32-8	1,000	1,000	52,300	898	3,100	119	119
Benzo[b]fluoranthene	205-99-2	1,000	1,000	66,200	1,270	4,800	169	162
Benzo[g,h,i]perylene	191-24-2	100,000	100,000	29,600	654	1,790	80.1	77.5
Benzo[k]fluoranthene	207-08-9	1,000	3900	23,800	456	2,040	73.3	59.3 J
Bis(2-Chloroethoxy)methane	111-91-1	NC	NC	112 U	127 U	126 U	126 U	129 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	NC	112 U	127 U	126 U	126 U	129 U
Bis(2-Chloroisopropyl)ether	108-60-1	NC	NC	112 U	127 U	126 U	126 U	129 U
Bis(2-Ethylhexyl)phthalate	117-81-7	50,000[CP]	NC	281 U	317 U	126 U	126 U	129 U
Butylbenzylphthalate	85-68-7	100,000[CP]	NC	112 U	127 U	126 U	126 U	129 U
Caprolactam	105-60-2	NC	NC	225 U	254 U	252 UJ	253 UJ	258 UJ
Carbazole	86-74-8	NC	NC	12,700	134	280	13 J	13.8 J
Chrysene	218-01-9	1,000	3,900	58,700	1,080	3,460	133	120
Dibenzo[a,h]Anthracene	53-70-3	330	330	7,850	185	540	21.6 J	23 J
Dibenzofuran	132-64-9	14,000	59,000	9,000	88.6 J	116 J	126 U	129 U
Diethylphthalate	84-66-2	100,000[CP]	NC	112 U	127 U	126 U	126 U	129 U
Dimethylphthalate	131-11-3	100,000[CP]	NC	112 U	127 U	126 U	126 U	129 U
Di-n-butylphthalate	84-74-2	100,000[CP]	NC	112 U	127 U	126 U	126 U	129 U
Di-n-octylphthalate	117-84-0	100,000[CP]	NC	112 U	127 U	126 UJ	126 UJ	129 UJ
Fluoranthene	206-44-0	100,000	100,000	151,000	1,700	5,930	235	202
Fluorene	86-73-7	100,000	100,000	17,100	69.6	140	63.2 U	64.5 U
Hexachlorobenzene	118-74-1	330 410[CP]	1,200	112 U	127 U	126 U	126 U	129 U
Hexachlorobutadiene	87-68-3	NC	NC	112 U	127 U	126 U	126 U	129 U
Hexachlorocyclopentadiene	77-47-4	NC	NC	225 U	254 UJ	252 U	253 U	258 U
Hexachloroethane	67-72-1	NC	NC	112 U	127 U	126 U	126 U	129 U
Indeno[1,2,3-cd]pyrene	193-39-5	500	500	32,900	693	2,130	79.6	75.4
Isophorone	78-59-1	100,000[CP]	NC	112 U	127 U	126 U	126 U	129 U
m-Cresol & p-Cresol	MEPH1314	NC	NC	116 J	254 U	252 U	253 U	258 U
Naphthalene	91-20-3	100,000	100,000	7,800	157	239	63.2 U	64.5 U
Nitrobenzene	98-95-3	3,700[CP]	15,000[CP]	112 U	127 U	126 U	126 U	129 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	NC	112 U	127 U	126 U	126 U	129 U
N-Nitrosodiphenylamine	86-30-6	NC	NC	112 U	127 U	126 U	126 U	129 U
Pentachlorophenol	87-86-5	2,400	6,700	225 U	254 U	252 U	253 U	258 U
Phenanthrene	85-01-8	100,000	100,000	155,000	1,040	1,830	96.8	94.7
Phenol	108-95-2	100,000	100,000	80.7 J	254 U	252 U	253 U	258 U
Pyrene	129-00-0	100,000	100,000	126,000	1,450	6,150	235	216
Pyridine	110-86-1	NC	NC	225 U	254 U	252 U	253 U	258 U
Total SVOC TICs	NA	NC	NC	13,369	83,050	33,490	17,061	12,510

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICS identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.

(green)	Exceeds Residential Use SCO listed in Part 375 or CP-51
(orange)	Concentration exceeds Part 375 Residential, Restricted Residential SCOs

Table 5B1 - Existing Surface Cover Soil Results Compared to Restricted SCOs
SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

			Sample Location	SS-151
			Sample ID	SS-151-0-0.5-092116
			Sample Date	9/21/2016
			Unit	µg/kg
			Lab SDG	2177433
			Start Depth	0
			End Depth	0.5
Chemical Name	CAS #	NY Part 375 Residential SCO[1]	NY Part 375 Restricted Residential SCO[1]	
SVOCs				
1,1'-Biphenyl	92-52-4	NC	NC	48.5 J
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	NC	120 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	NC	240 U
2,4,5-Trichlorophenol	95-95-4	100,000[CP]	NC	240 U
2,4,6-Trichlorophenol	88-06-2	NC	NC	240 U
2,4-Dichlorophenol	120-83-2	100,000[CP]	NC	240 U
2,4-Dimethylphenol	105-67-9	NC	NC	240 U
2,4-Dinitrophenol	51-28-5	100,000[CP]	NC	240 UJ
2,4-Dinitrotoluene	121-14-2		NC	120 U
2,6-Dinitrotoluene	606-20-2	1030[CP]	NC	120 U
2-Chloronaphthalene	91-58-7	NC	NC	120 U
2-Chlorophenol	95-57-8	100,000[CP]	NC	240 U
2-Methylnaphthalene	91-57-6	410[CP]	NC	411 J
2-Methylphenol	95-48-7	100,000	100,000	240 U
2-Nitroaniline	88-74-4	NC	NC	240 U
2-Nitrophenol	88-75-5	NC	NC	240 U
3,3-Dichlorobenzidine	91-94-1	NC	NC	240 U
3-Nitroaniline	99-09-2	NC	NC	240 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	NC	240 U
4-Bromophenyl-phenylether	101-55-3	NC	NC	120 U
4-Chloro-3-methylphenol	59-50-7	NC	NC	240 U
4-Chloroaniline	106-47-8	100,000[CP]	NC	240 U
4-Chlorophenyl-phenylether	7005-72-3	NC	NC	120 U
4-Nitroaniline	100-01-6	NC	NC	240 U
4-Nitrophenol	100-02-7	NC	NC	240 UJ
Acenaphthene	83-32-9	100,000	100,000	73.2
Acenaphthylene	208-96-8	100,000	100,000	694
Acetophenone	98-86-2	NC	NC	120 U
Anthracene	120-12-7	100,000	100,000	618
Atrazine	1912-24-9	NC	NC	120 U
Benzaldehyde	100-52-7	NC	NC	159 J
Benzidine	92-87-5	NC	NC	240 U
Benzo[a]anthracene	56-55-3	1,000	1,000	2,310
Benzo[a]pyrene	50-32-8	1,000	1,000	2,000
Benzo[b]fluoranthene	205-99-2	1,000	1,000	3,630 J
Benzo[g,h,i]perylene	191-24-2	100,000	100,000	1,160
Benzo[k]fluoranthene	207-08-9	1,000	3900	1,260 J
Bis(2-Chloroethoxy)methane	111-91-1	NC	NC	120 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	NC	120 U
Bis(2-Chloroisopropyl)ether	108-60-1	NC	NC	120 U
Bis(2-Ethylhexyl)phthalate	117-81-7	50,000[CP]	NC	26.5 J
Butylbenzylphthalate	85-68-7	100,000[CP]	NC	120 U
Caprolactam	105-60-2	NC	NC	240 U
Carbazole	86-74-8	NC	NC	156
Chrysene	218-01-9	1,000	3,900	2,500
Dibenzo[a,h]Anthracene	53-70-3	330	330	366
Dibenzofuran	132-64-9	14,000	59,000	143
Diethylphthalate	84-66-2	100,000[CP]	NC	120 U
Dimethylphthalate	131-11-3	100,000[CP]	NC	120 U
Di-n-butylphthalate	84-74-2	100,000[CP]	NC	309
Di-n-octylphthalate	117-84-0	100,000[CP]	NC	120 UJ
Fluoranthene	206-44-0	100,000	100,000	4,570
Fluorene	86-73-7	100,000	100,000	90
Hexachlorobenzene	118-74-1	330 410[CP]	1,200	120 U
Hexachlorobutadiene	87-68-3	NC	NC	120 U
Hexachlorocyclopentadiene	77-47-4	NC	NC	240 U
Hexachloroethane	67-72-1	NC	NC	120 U
Indeno[1,2,3-cd]pyrene	193-39-5	500	500	1,430
Isophorone	78-59-1	100,000[CP]	NC	120 U
m-Cresol & p-Cresol	MEPH1314	NC	NC	26.5 J
Naphthalene	91-20-3	100,000	100,000	373 J
Nitrobenzene	98-95-3	3,700[CP]	15,000[CP]	120 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	NC	120 U
N-Nitrosodiphenylamine	86-30-6	NC	NC	120 U
Pentachlorophenol	87-86-5	2,400	6,700	240 U
Phenanthrene	85-01-8	100,000	100,000	1190
Phenol	108-95-2	100,000	100,000	39.6 J
Pyrene	129-00-0	100,000	100,000	4,480 J
Pyridine	110-86-1	NC	NC	240 U
Total SVOC TICs	NA	NC	NC	13,375

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICS identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.

(green)	Exceeds Residential Use SCO listed in Part 375 or CP-51
(orange)	Concentration exceeds Part 375 Residential, Restricted Residential SCOs

Table 5C - Surface Soil Results Compared to Restricted SCOs
Pesticides/Herbicides
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

			Sample Location	SS-114	SS-123	SS-126	SS-127	SS-131	SS-135	SS-136	SS-140	SS-143	SS-152
			Sample ID	SS-114-0-0.17-092016	SS-123-0-0.17-092016	SS-126-0-0.17-092016	SS-127-0-0.17-092016	SS-131-0-0.17-092016	SS-135-0-0.17-091916	SS-136-0-0.17-091916	SS-140-0-0.17-091916	SS-143-0-0.17-091916	SS-152-0-0.17-091916
			Sample Date	9/20/2016	9/20/2016	9/20/2016	9/20/2016	9/20/2016	9/19/2016	9/19/2016	9/19/2016	9/19/2016	9/19/2016
			Unit	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
			Lab SDG	2177436	2177436	2177436	2177436	2177436	2176860	2176860	2176860	2176860	2176860
			Start Depth	0	0	0	0	0	0	0	0	0	0
			End Depth	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
Chemical Name	CAS #	NY Part 375 Residential SCO[1]	NY Part 375 Restricted Residential SCO[1]										
Pesticides/Herbicides													
4-4-DDD	72-54-8	2,600	13,000	3.7 U	3.9 U	4 U	3.8 U	2.9 U	3.6 U	3.3 U	4.1 U	3.6 U	3.3 U
4-4-DDE	72-55-9	1,800	8,900	18.6 JN	6.7 JN	4 U	3.8 U	1.5 J	7.2 J	3.3 U	7.1 JN	4.4 J	3.3 U
4-4-DDT	50-29-3	1,700	7,900	18.8	13.7 J	4 U	11.4 JN	8.3	8.6 JN	3.3 U	22.2 J	3.6 U	3.3 U
a-BHC	319-84-6	97	480	3.7 U	3.9 U	4 U	4.1 J	2.9 U	3.6 U	3.3 U	4.1 U	3.6 U	3.3 U
Aldrin	309-00-2	19	97	3.7 U	3.9 U	4 U	3.8 U	2.9 U	3.6 U	3.3 U	4.1 U	3.6 U	3.3 U
alpha-Chlordane	5103-71-9	910	4,200	3.7 U	3.9 U	4 U	3.8 U	2.9 U	3.6 U	3.3 U	4.1 U	3.6 U	3.3 U
b-BHC	319-85-7	72	360	3.7 U	3.9 U	4 U	3.8 U	2.9 U	3.6 U	3.3 U	4.1 U	3.6 U	3.3 U
d-BHC	319-86-8	100,000	100,000	3.7 U	3.9 U	4 U	3.8 U	2.9 U	3.6 U	3.3 U	4.1 U	3.6 U	3.3 U
Dieldrin	60-57-1	39	200	3.7 U	3.9 U	4 U	3.8 U	2.9 U	3.6 U	3.3 U	4.1 U	3.6 U	3.3 U
Endosulfan I	959-98-8	4,800	24,000	3.7 U	3.9 U	4 U	3.8 U	2.9 U	3.6 U	3.3 U	4.1 U	3.6 U	3.3 U
Endosulfan II	33213-65-9	4,800	24,000	3.7 U	3.9 U	4 U	3.8 U	2.9 U	3.6 U	3.3 U	4.1 U	3.6 U	3.3 U
Endosulfan Sulfate	1031-07-8	4,800	24,000	3.7 U	3.9 U	4 U	3.8 U	2.9 U	9.4 J	3.3 U	4.1 U	3.6 U	3.3 U
Endrin	72-20-8	2,200	11,000	3.7 U	3.9 U	4 U	3.8 U	2.9 U	3.6 U	3.3 U	4.1 U	3.6 U	3.3 U
Endrin Aldehyde	7421-93-4	NC	NC	3.7 U	3.9 U	4 U	3.8 U	2.9 U	3.6 U	3.3 U	4.1 U	3.6 U	3.3 U
Endrin Ketone	53494-70-5	NC	NC	3.7 U	3.9 U	4 U	3.8 U	2.9 U	3.6 U	3.3 U	4.1 U	3.6 U	3.3 U
Heptachlor	76-44-8	420	2100	3.9 J	3.9 U	4 U	3.8 U	2.9 U	3.6 U	3.3 U	4.1 U	3.6 U	3.3 U
Heptachlor Epoxide	1024-57-3	77[CP]	NC	3.7 U	3.9 U	4 U	3.8 U	2.9 U	3.6 U	3.3 U	4.1 U	3.6 U	3.3 U
Lindane	58-89-9	280	1,300	3.7 U	3.9 U	4.7 JN	3.8 U	2.9 U	3.6 U	3.3 U	4.1 U	3.6 U	3.3 U
Methoxychlor	72-43-5	100,000[CP]	NC	3.7 U	3.9 U	4 U	3.8 U	2.9 U	3.6 U	3.3 U	4.1 U	3.6 U	3.3 U
Toxaphene	8001-35-2	NC	NC	74.4 U	79.7 U	81.6 U	76.2 U	57.9 U	72.8 U	67.1 U	82.9 U	72.5 U	66.2 U
y-Chlordane	5103-74-2	540[CP]	NC	3.7 U	3.9 U	4 U	3.8 U	1.9 J	3.6 U	3.3 U	4.1 U	3.6 U	3.3 U

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
μg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.

	Exceeds Residential Use SCO listed in Part 375 or CP-51
	Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 5C1 - Existing Surface Cover Soil Results Compared to Restricted SCOs
Pesticides/Herbicides
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

			Sample Location	SS-113	SS-113	SS-114	SS-120	SS-123	SS-124	SS-125	SS-126	SS-127	SS-131
			Sample ID	DUP-005-092116	SS-113-1-2-092116	SS-114-0-0.17-092016	SS-120-0.5-1-092116	SS-123-0-0.17-092016	SS-124-1-2-092216	SS-125-1-2-092216	SS-126-0-0.17-092016	SS-127-0-0.17-092016	SS-131-0-0.17-092016
			Sample Date	9/21/2016	9/21/2016	9/20/2016	9/21/2016	9/20/2016	9/22/2016	9/22/2016	9/20/2016	9/20/2016	9/20/2016
			Unit	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
			Lab SDG	2177433	2177433	2177436	2177433	2177436	2177432	2177432	2177436	2177436	2177436
			Start Depth	1	1	0	0.5	0	1	1	0	0	0
			End Depth	2	2	0.17	1	0.17	2	2	0.17	0.17	0.17
Chemical Name	**CAS #**	**NY Part 375 Residential SCO[1]**	**NY Part 375 Restricted Residential SCO[1]**										
Pesticides/Herbicides													
4-4-DDD	72-54-8	2,600	13,000	2.8 U	2.9 U	3.7 U	3 U	3.9 U	3 U	2.9 U	4 U	3.8 U	2.9 U
4-4-DDE	72-55-9	1,800	8,900	2.8 U	1.7 J	18.6 JN	3 U	6.7 JN	4.5 JN	2.9 U	4 U	3.8 U	1.5 J
4-4-DDT	50-29-3	1,700	7,900	2.8 U	2.9 U	18.8	3 U	13.7 J	48.1	11.3 J	4 U	11.4 JN	8.3
a-BHC	319-84-6	97	480	2.8 U	2.9 U	3.7 U	3 U	3.9 U	3 U	2.9 U	4 U	4.1 J	2.9 U
Aldrin	309-00-2	19	97	2.8 U	2.9 U	3.7 U	3 U	3.9 U	3 U	2.9 U	4 U	3.8 U	2.9 U
alpha-Chlordane	5103-71-9	910	4,200	2.8 U	2.9 U	3.7 U	3 U	3.9 U	2 J	2.9 U	4 U	3.8 U	2.9 U
b-BHC	319-85-7	72	360	2.8 U	2.9 U	3.7 U	3 U	3.9 U	3 U	2.9 U	4 U	3.8 U	2.9 U
d-BHC	319-86-8	100,000	100,000	2.8 U	2.9 U	3.7 U	3 U	3.9 U	3 U	2.9 U	4 U	3.8 U	2.9 U
Dieldrin	60-57-1	39	200	2.8 U	2.9 U	3.7 U	3 U	3.9 U	20.7 JN	2.9 U	4 U	3.8 U	2.9 U
Endosulfan I	959-98-8	4,800	24,000	2.8 U	2.9 U	3.7 U	3 U	3.9 U	3 U	2.9 U	4 U	3.8 U	2.9 U
Endosulfan II	33213-65-9	4,800	24,000	2.8 U	2.9 U	3.7 U	3 U	3.9 U	3 U	2.9 U	4 U	3.8 U	2.9 U
Endosulfan Sulfate	1031-07-8	4,800	24,000	2.8 U	2.9 U	3.7 U	3 U	3.9 U	6.2 JN	2.9 U	4 U	3.8 U	2.9 U
Endrin	72-20-8	2,200	11,000	2.8 U	2.9 U	3.7 U	3 U	3.9 U	3 U	2.9 U	4 U	3.8 U	2.9 U
Endrin Aldehyde	7421-93-4	NC	NC	2.8 U	2.9 U	3.7 U	3 U	3.9 U	3 U	2.9 U	4 U	3.8 U	2.9 U
Endrin Ketone	53494-70-5	NC	NC	2.8 U	2.9 U	3.7 U	3 U	3.9 U	3 U	2.9 U	4 U	3.8 U	2.9 U
Heptachlor	76-44-8	420	2100	2.8 U	2.9 U	3.9 J	3 U	3.9 U	3 U	2.9 U	4 U	3.8 U	2.9 U
Heptachlor Epoxide	1024-57-3	77[CP]	NC	2.8 U	2.9 U	3.7 U	3 U	3.9 U	3 U	2.9 U	4 U	3.8 U	2.9 U
Lindane	58-89-9	280	1,300	2.8 U	2.9 U	3.7 U	3 U	3.9 U	3 U	2.9 U	4.7 JN	3.8 U	2.9 U
Methoxychlor	72-43-5	100,000[CP]	NC	2.8 U	2.9 U	3.7 U	3 U	3.9 U	3 U	2.9 U	4 U	3.8 U	2.9 U
Toxaphene	8001-35-2	NC	NC	57.8 U	59.5 U	74.4 U	61.9 U	79.7 U	59.9 U	58.7 U	81.6 U	76.2 U	57.9 U
y-Chlordane	5103-74-2	540[CP]	NC	2.8 U	2.9 U	3.7 U	3 U	3.9 U	4.8	2.9 U	4 U	3.8 U	1.9 J

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.

	Exceeds Residential Use SCO listed in Part 375 or CP-51
	Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 5C1 - Existing Surface Cover Soil Results Compared to Restricted SCOs
Pesticides/Herbicides
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

			Sample Location	SS-132	SS-133	SS-135	SS-136	SS-138	SS-140	SS-143	SS-144	SS-145	SS-147	SS-152
			Sample ID	SS-132-1-1.5-092216	SS-133-1-2-092016	SS-135-0-0.17-091916	SS-136-0-0.17-091916	SS-138-0.5-1-092016	SS-140-0-0.17-091916	SS-143-0-0.17-091916	SS-144-0.5-1.5-092116	SS-145-0.5-1.5-092116	SS-147-0.5-1.5-092116	SS-152-0-0.17-091916
			Sample Date	9/22/2016	9/20/2016	9/19/2016	9/19/2016	9/20/2016	9/19/2016	9/19/2016	9/21/2016	9/21/2016	9/21/2016	9/19/2016
			Unit	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
			Lab SDG	2177432	2177436	2176860	2176860	2177433	2176860	2176860	2177433	2177433	2177433	2176860
			Start Depth	1	1	0	0	0.5	0	0	0.5	0.5	0.5	0
			End Depth	1.5	2	0.17	0.17	1	0.17	0.17	1.5	1.5	1.5	0.17
Chemical Name	CAS #	NY Part 375 Residential SCO[1]	NY Part 375 Restricted Residential SCO[1]											
Pesticides/Herbicides														
4-4-DDD	72-54-8	2,600	13,000	2.8 U	2.8 U	3.6 U	3.3 U	2.8 U	4.1 U	3.6 U	2.9 U	3.1 U	2.9 U	3.3 U
4-4-DDE	72-55-9	1,800	8,900	2.8 U	2.8 U	7.2 J	3.3 U	2.8 U	7.1 JN	4.4 J	3.8	3.1 U	2.9 U	3.3 U
4-4-DDT	50-29-3	1,700	7,900	3.1 JN	2.8 U	8.6 JN	3.3 U	2.8 U	22.2 J	3.6 U	2.8 J	3.1 U	2.9 U	3.3 U
a-BHC	319-84-6	97	480	2.8 U	2.8 U	3.6 U	3.3 U	2.8 U	4.1 U	3.6 U	2.9 U	3.1 U	2.9 U	3.3 U
Aldrin	309-00-2	19	97	2.8 U	2.8 U	3.6 U	3.3 U	2.8 U	4.1 U	3.6 U	2.9 U	3.1 U	2.9 U	3.3 U
alpha-Chlordane	5103-71-9	910	4,200	1.3 J	2.8 U	3.6 U	3.3 U	2.8 U	4.1 U	3.6 U	2.9 U	3.1 U	2.9 U	3.3 U
b-BHC	319-85-7	72	360	2.8 U	2.8 U	3.6 U	3.3 U	2.8 U	4.1 U	3.6 U	2.9 U	3.1 U	2.9 U	3.3 U
d-BHC	319-86-8	100,000	100,000	2.8 U	2.8 U	3.6 U	3.3 U	2.8 U	4.1 U	3.6 U	2.9 U	3.1 U	2.9 U	3.3 U
Dieldrin	60-57-1	39	200	2.8 U	2.8 U	3.6 U	3.3 U	2.8 U	4.1 U	3.6 U	2.9 U	3.1 U	2.9 U	3.3 U
Endosulfan I	959-98-8	4,800	24,000	2.8 U	2.8 U	3.6 U	3.3 U	2.8 U	4.1 U	3.6 U	2.9 U	3.1 U	2.9 U	3.3 U
Endosulfan II	33213-65-9	4,800	24,000	2.8 U	2.8 U	3.6 U	3.3 U	2.8 U	4.1 U	3.6 U	2.9 U	3.1 U	2.9 U	3.3 U
Endosulfan Sulfate	1031-07-8	4,800	24,000	2.8 U	2.8 U	9.4 J	3.3 U	2.8 U	4.1 U	3.6 U	2.9 U	3.1 U	2.9 U	3.3 U
Endrin	72-20-8	2,200	11,000	2.8 U	2.8 U	3.6 U	3.3 U	2.8 U	4.1 U	3.6 U	2.9 U	3.1 U	2.9 U	3.3 U
Endrin Aldehyde	7421-93-4	NC	NC	2.8 U	2.8 U	3.6 U	3.3 U	2.8 U	4.1 U	3.6 U	2.9 U	3.1 U	2.9 U	3.3 U
Endrin Ketone	53494-70-5	NC	NC	2.8 U	2.8 U	3.6 U	3.3 U	2.8 U	4.1 U	3.6 U	2.9 U	3.1 U	2.9 U	3.3 U
Heptachlor	76-44-8	420	2100	2.8 U	2.8 U	3.6 U	3.3 U	2.8 U	4.1 U	3.6 U	2.9 U	3.1 U	2.9 U	3.3 U
Heptachlor Epoxide	1024-57-3	77[CP]	NC	2.8 U	2.8 U	3.6 U	3.3 U	2.8 U	4.1 U	3.6 U	2.9 U	3.1 U	2.9 U	3.3 U
Lindane	58-89-9	280	1,300	2.8 U	2.8 U	3.6 U	3.3 U	2.8 U	4.1 U	3.6 U	2.9 U	3.1 U	2.9 U	3.3 U
Methoxychlor	72-43-5	100,000[CP]	NC	2.8 U	2.8 U	3.6 U	3.3 U	2.8 U	4.1 U	3.6 U	2.9 U	3.1 U	2.9 U	3.3 U
Toxaphene	8001-35-2	NC	NC	57.2 U	57.6 U	72.8 U	67.1 U	57.8 U	82.9 U	72.5 U	58.8 U	63.6 U	58.7 U	66.2 U
y-Chlordane	5103-74-2	540[CP]	NC	2.7 J	2.8 U	3.6 U	3.3 U	2.8 U	4.1 U	3.6 U	2.9 U	3.1 U	2.9 U	3.3 U

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.

Exceeds Residential Use SCO listed in Part 375 or CP-51
Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 5D - Surface Soil Results Compared to Restricted SCOs
PCBs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

				Sample Location	SS-123	SS-123	SS-126	SS-127
				Sample ID	DUP-007-092016	SS-123-0-0.17-092016	SS-126-0-0.17-092016	SS-127-0-0.17-092016
				Sample Date	9/20/2016	9/20/2016	9/20/2016	9/20/2016
				Unit	mg/kg	mg/kg	mg/kg	mg/kg
				Lab SDG	2177436	2177436	2177436	2177436
				Start Depth	0	0	0	0
				End Depth	0.17	0.17	0.17	0.17
Chemical Name	CAS #	NY Part 375 Residential SCO[1]	NY Part 375 Restricted Residential SCO[1]	CP PCB Guidance[2] Greater 1 ft				
PCBs								
Aroclor 1268	11100-14-4	NC	NC	NC	0.048 U	0.049 U	0.27 U	0.05 U
Aroclor-1016	12674-11-2	NC	NC	1	0.048 U	0.049 U	0.27 U	0.05 U
Aroclor-1221	11104-28-2	NC	NC	1	0.048 U	0.049 U	0.27 U	0.05 U
Aroclor-1232	11141-16-5	NC	NC	1	0.048 U	0.049 U	0.27 U	0.05 U
Aroclor-1242	53469-21-9	NC	NC	1	0.048 U	0.049 U	0.27 U	0.05 U
Aroclor-1248	12672-29-6	NC	NC	1	0.048 U	0.049 U	0.82 J	0.05 U
Aroclor-1254	11097-69-1	NC	NC	1	0.048 U	0.04 J	2.6	0.21
Aroclor-1260	11096-82-5	NC	NC	1	0.018 J	0.023 J	1.3	0.088
PCB-1262	37324-23-5	NC	NC	NC	0.048 U	0.049 U	0.27 U	0.05 U
Total PCBs	1336-36-3	1	1	1	0.018 J	0.063	4.7	0.29

Notes:
U - Not detected at the detection limit shown
mg/kg - milligrams per kilogram
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
R - result rejected during validation due to QA/QC excursion
JN - Detection is tenative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[2] - Criteria from the CP-51, Soil Cleanup Guidance.

Exceeds Residential Use SCO listed in Part 375 or CP-51
Concentration exceesd Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 5D - Surface Soil Results Compared to Restricted SCOs
PCBs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

				Sample Location	SS-128	SS-129	SS-131	SS-135	SS-143
				Sample ID	SS-128-0-0.17-092016	SS-129-0-0.17-092016	SS-131-0-0.17-092016	SS-135-0-0.17-091916	SS-143-0-0.17-091916
				Sample Date	9/20/2016	9/20/2016	9/20/2016	9/19/2016	9/19/2016
				Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
				Lab SDG	2177436	2177436	2177436	2176860	2176860
				Start Depth	0	0	0	0	0
				End Depth	0.17	0.17	0.17	0.17	0.17
Chemical Name	**CAS #**	**NY Part 375 Residential SCO[1]**	**NY Part 375 Restricted Residential SCO[1]**	**CP PCB Guidance[2] Greater 1 ft**					
PCBs									
Aroclor 1268	11100-14-4	NC	NC	NC	0.047 U	0.049 U	0.036 U	0.044 U	0.047 U
Aroclor-1016	12674-11-2	NC	NC	1	0.047 U	0.049 U	0.036 U	0.044 U	0.047 U
Aroclor-1221	11104-28-2	NC	NC	1	0.047 U	0.049 U	0.036 U	0.044 U	0.047 U
Aroclor-1232	11141-16-5	NC	NC	1	0.047 U	0.049 U	0.036 U	0.044 U	0.047 U
Aroclor-1242	53469-21-9	NC	NC	1	0.047 U	0.049 U	0.036 U	0.044 U	0.047 U
Aroclor-1248	12672-29-6	NC	NC	1	0.39	0.049 U	0.036 U	0.044 U	0.047 U
Aroclor-1254	11097-69-1	NC	NC	1	1.3	0.28 J	0.036 U	0.044 U	0.047 U
Aroclor-1260	11096-82-5	NC	NC	1	0.49	0.074	0.011 J	0.044 U	0.047 U
PCB-1262	37324-23-5	NC	NC	NC	0.047 U	0.049 U	0.036 U	0.044 U	0.047 U
Total PCBs	1336-36-3	1	1	1	2.1	0.35	0.011 J	0.044 U	0.047 U

Notes:
U - Not detected at the detection limit shown
mg/kg - milligrams per kilogram
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
R - result rejected during validation due to QA/QC excursion
JN - Detection is tenative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[2] - Criteria from the CP-51, Soil Cleanup Guidance.
Exceeds Residential Use SCO listed in Part 375 or CP-51
Concentration exceesd Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 5D1 - Existing Surface Cover Soil Results Compared to Restricted SCOs
PCBs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

				Sample Location	SS-110	SS-113	SS-113	SS-118	SS-123	SS-123	SS-124	SS-125	SS-126
				Sample ID	SS-110-1-2-092116	DUP-005-092116	SS-113-1-2-092116	SS-118-1-2-092116	DUP-007-092016	SS-123-0-0.17-092016	SS-124-1-2-092216	SS-125-1-2-092216	SS-126-0-0.17-092016
				Sample Date	9/21/2016	9/21/2016	9/21/2016	9/21/2016	9/20/2016	9/20/2016	9/22/2016	9/22/2016	9/20/2016
				Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
				Lab SDG	2177433	2177433	2177433	2177433	2177436	2177436	2177432	2177432	2177436
				Start Depth	1	1	1	1	0	0	1	1	0
				End Depth	2	2	2	2	0.17	0.17	2	2	0.17
Chemical Name	CAS #	NY Part 375 Residential SCO[1]	NY Part 375 Restricted Residential SCO[1]	CP PCB Guidance[2] Greater 1 ft									
PCBs													
Aroclor 1268	11100-14-4	NC	NC	NC	0.036 U	0.037 U	0.037 U	0.035 U	0.048 U	0.049 U	0.055	0.036 U	0.27 U
Aroclor-1016	12674-11-2	NC	NC	1	0.036 U	0.037 U	0.037 U	0.035 U	0.048 U	0.049 U	0.036 U	0.036 U	0.27 U
Aroclor-1221	11104-28-2	NC	NC	1	0.036 U	0.037 U	0.037 U	0.035 U	0.048 U	0.049 U	0.036 U	0.036 U	0.27 U
Aroclor-1232	11141-16-5	NC	NC	1	0.036 U	0.037 U	0.037 U	0.035 U	0.048 U	0.049 U	0.036 U	0.036 U	0.27 U
Aroclor-1242	53469-21-9	NC	NC	1	0.036 U	0.037 U	0.037 U	0.035 U	0.048 U	0.049 U	0.036 U	0.036 U	0.27 U
Aroclor-1248	12672-29-6	NC	NC	1	0.036 U	0.037 U	0.037 U	0.035 U	0.048 U	0.049 U	0.036 U	0.036 U	0.82 J
Aroclor-1254	11097-69-1	NC	NC	1	0.036 U	0.037 U	0.037 U	0.035 U	0.048 U	0.04 J	0.11 J	0.036 U	2.6
Aroclor-1260	11096-82-5	NC	NC	1	0.036 U	0.037 U	0.037 U	0.035 U	0.018 J	0.023 J	0.12	0.034 J	1.3
PCB-1262	37324-23-5	NC	NC	NC	0.036 U	0.037 U	0.037 U	0.035 U	0.048 U	0.049 U	0.036 U	0.036 U	0.27 U
Total PCBs	1336-36-3	1	1	1	0.036 U	0.037 U	0.037 U	0.035 U	0.018 J	0.063	0.29	0.034 J	4.7

Notes:
U - Not detected at the detection limit shown
mg/kg - milligrams per kilogram
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
R - result rejected during validation due to QA/QC excursion
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[2] - Criteria from the CP-51, Soil Cleanup Guidance.

	Exceeds Residential Use SCO listed in Part 375 or CP-51
	Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 5D1 - Existing Surface Cover Soil Results Compared to Restricted SCOs
PCBs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

				Sample Location	SS-127	SS-128	SS-129	SS-131	SS-132	SS-135	SS-138	SS-143	SS-145
				Sample ID	SS-127-0-0.17-092016	SS-128-0-0.17-092016	SS-129-0-0.17-092016	SS-131-0-0.17-092016	SS-132-1-1.5-092216	SS-135-0-0.17-091916	SS-138-0.5-1-092016	SS-143-0-0.17-091916	SS-145-0.5-1.5-092116
				Sample Date	9/20/2016	9/20/2016	9/20/2016	9/20/2016	9/22/2016	9/19/2016	9/20/2016	9/19/2016	9/21/2016
				Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
				Lab SDG	2177436	2177436	2177436	2177436	2177432	2176860	2177433	2176860	2177433
				Start Depth	0	0	0	0	1	0	0.5	0	0.5
				End Depth	0.17	0.17	0.17	0.17	1.5	0.17	1	0.17	1.5
Chemical Name	CAS #	NY Part 375 Residential SCO[1]	NY Part 375 Restricted Residential SCO[1]	CP PCB Guidance[2] Greater 1 ft									
PCBs													
Aroclor 1268	11100-14-4	NC	NC	NC	0.05 U	0.047 U	0.049 U	0.036 U	0.034 U	0.044 U	0.034 U	0.047 U	0.039 U
Aroclor-1016	12674-11-2	NC	NC	1	0.05 U	0.047 U	0.049 U	0.036 U	0.034 U	0.044 U	0.034 U	0.047 U	0.039 U
Aroclor-1221	11104-28-2	NC	NC	1	0.05 U	0.047 U	0.049 U	0.036 U	0.034 U	0.044 U	0.034 U	0.047 U	0.039 U
Aroclor-1232	11141-16-5	NC	NC	1	0.05 U	0.047 U	0.049 U	0.036 U	0.034 U	0.044 U	0.034 U	0.047 U	0.039 U
Aroclor-1242	53469-21-9	NC	NC	1	0.05 U	0.047 U	0.049 U	0.036 U	0.034 U	0.044 U	0.034 U	0.047 U	0.039 U
Aroclor-1248	12672-29-6	NC	NC	1	0.05 U	0.39	0.049 U	0.036 U	0.034 U	0.044 U	0.034 U	0.047 U	0.039 U
Aroclor-1254	11097-69-1	NC	NC	1	0.21	1.3	0.28 J	0.036 U	0.034 U	0.044 U	0.034 U	0.047 U	0.039 U
Aroclor-1260	11096-82-5	NC	NC	1	0.088	0.49	0.074	0.011 J	0.013 J	0.044 U	0.034 U	0.047 U	0.039 U
PCB-1262	37324-23-5	NC	NC	NC	0.05 U	0.047 U	0.049 U	0.036 U	0.034 U	0.044 U	0.034 U	0.047 U	0.039 U
Total PCBs	1336-36-3	1	<u>1</u>	1	0.29	2.1	0.35	0.011 J	0.013 J	0.044 U	0.034 U	0.047 U	0.039 U

Notes:
U - Not detected at the detection limit shown
mg/kg - milligrams per kilogram
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
R - result rejected during validation due to QA/QC excursion
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[2] - Criteria from the CP-51, Soil Cleanup Guidance.

	Exceeds Residential Use SCO listed in Part 375 or CP-51
	Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 5E - Surface Soil Results Compared to Restricted SCOs
Inorganics
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

			Sample Location	SS-101	SS-103	SS-105	SS-106	SS-108	SS-109	SS-111	SS-112	SS-114
			Sample ID	SS-101-0-0.17-092016	SS-103-0-0.17-092016	SS-105-0-0.17-091916	SS-106-0-0.17-091916	SS-108-0-0.17-091916	SS-109-0-0.17-091916	SS-111-0-0.17-091916	SS-112-0-0.17-091916	SS-114-0-0.17-092016
			Sample Date	9/20/2016	9/20/2016	9/19/2016	9/19/2016	9/19/2016	9/19/2016	9/19/2016	9/19/2016	9/20/2016
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
			Lab SDG	R1609909	R1609909	R1609864	R1609864	R1609864	R1609864	R1609864	R1609864	R1609909
			Start Depth	0	0	0	0	0	0	0	0	0
			End Depth	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
Chemical Name	**CAS #**	**NY Part 375 Residential SCO[1]**	**NY Part 375 Restricted Residential SCO[1]**									
Inorganics												
Aluminum	7429-90-5	NC	NC	3,530 J	6,230 J	5,430	7,290	5,080	7,660	12,700	5,890	2,970 J
Antimony	7440-36-0	NC	NC	7.4 U	7.3 U	1.7 J	0.353 J	8 U	0.873 J	1.4 J	26.3	6.9 J
Arsenic	7440-38-2	16	16	2.3	5.9	7.8	7.7	3.7	9.1	19	21.3	16.9
Barium	7440-39-3	350	400	31.3 J	110 J	491	68.2	39.8	94.9	90.1	466	99.4 J
Beryllium	7440-41-7	14	72	0.172 J	0.315 J	0.461 J	0.441 U	0.399 U	0.452	0.809	0.486	0.414
Cadmium	7440-43-9	2.5	4.3	0.185 J	0.763	2.3	0.734	0.666 U	0.753 U	1.2	2.8	5
Calcium	7440-70-2	NC	NC	2,820	3,580	12,900	18,100	16,500	13,000	21,500	18,000	8,460
Chromium	7440-47-3	22*	110*	5.9 J	10.2 J	28.7	12.6	8.3	15.7	34.6	29.9	11.8 J
Cobalt	7440-48-4	30[CP]	NC	2.8 J	4.3 J	7 J	5.4 J	4.1 J	6.1 J	7.5 J	8.8	8.7
Copper	7440-50-8	270	270	9.3 J	21.3 J	3,980	33	22.1	29.7	58.6	2,410	78.9 J
Cyanide	57-12-5	27	27	0.16 J	0.23 J	1.01	0.86	0.31	0.72	1.09	0.6	0.57 J
Iron	7439-89-6	2,000[CP]	NC	*7,670 J*	*13,200 J*	*14,200*	*14,500*	*11,300*	*21,400*	*21,400*	*34,900*	*28,700 J*
Lead	7439-92-1	400	400	51.8	204	652	177	68.9	82.2	148	2,640	265
Magnesium	7439-95-4	NC	NC	1,070	1,410	2,100	5,420	5,380	4,380	11,100	8,210	1,570
Manganese	7439-96-5	2,000	2,000	228	311	285	399	305	657	322	340	170
Mercury	7439-97-6	0.81	0.81	0.083 N	0.387 N	0.352 J	0.405 J	0.2 J	0.162 J	0.263 J	0.633 J	0.128 N
Nickel	7440-02-0	140	310	5.3	8.2	6.1 U	11	7.4	12.2	18.7	10.1	20.6
Potassium	7440-09-7	NC	NC	681	881	979	1,520	1,210	1,230	2,520	1,000	576
Selenium	7782-49-2	36	180	1 J	1.1 J	3	2.4	1.7	3	3.2	1.2 U	1.5
Silver	7440-22-4	36	180	0.111 J	0.206 J	1.3 J	0.25 J	0.107 J	0.346 J	0.953 J	1.6	0.954 J
Sodium	7440-23-5	NC	NC	123 U	121 U	154 U	147 U	133 U	151 U	187	318	125 U
Thallium	7440-28-0	NC	NC	1.2 U	1.2 U	1.5 U	1.5 U	1.3 U	1.5 U	1.8 U	1.2 U	1.3 U
Vanadium	7440-62-2	100[CP]	NC	11.2	17	19.5	19.4	15.7	22.1	37.6	23.7	15.7
Zinc	7440-66-6	2,200	10,000	59.9 J	353 J	1,130	178	107	110	173	1,770	695 J

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
* Chromium SCO is Hexavalent Chromium as conservative value. Results presented are Total Chromium.
mg/kg - milligrams per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.

(green)	Exceeds Residential Use SCO listed in Part 375 or CP-51
(orange)	Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 5E - Surface Soil Results Compared to Restricted SCOs
Inorganics
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

			Sample Location	SS-115	SS-116	SS-121	SS-123	SS-129	SS-131	SS-134	SS-135	SS-136
			Sample ID	SS-115-0-0.17-092016	SS-116-0-0.17-092016	SS-121-0-0.17-092016	SS-123-0-0.17-092016	SS-129-0-0.17-092016	SS-131-0-0.17-092016	SS-134-0-0.17-091916	SS-135-0-0.17-091916	SS-136-0-0.17-091916
			Sample Date	9/20/2016	9/20/2016	9/20/2016	9/20/2016	9/20/2016	9/20/2016	9/19/2016	9/19/2016	9/19/2016
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
			Lab SDG	R1609909	R1609909	R1609909	R1609909	R1609909	R1609909	R1609864	R1609864	R1609864
			Start Depth	0	0	0	0	0	0	0	0	0
			End Depth	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
Chemical Name	CAS #	NY Part 375 Residential SCO[1]	NY Part 375 Restricted Residential SCO[1]									
Inorganics												
Aluminum	7429-90-5	NC	NC	9,970 J	9,050 J	4,050 J	6,870 J	6,430 J	4,540 J	6,610	1,660	6,880
Antimony	7440-36-0	NC	NC	8.8 U	1.2 J	7.9 U	1.9 J	8.6 U	6.5 U	7.6 U	1.5 J	7.7 U
Arsenic	7440-38-2	16	16	37.2	21.4	9.5	20.9	5.7	3.6	4.9	37.9	7.1
Barium	7440-39-3	350	400	138 J	201 J	38.2 J	95.2 J	3,690 J	58.3 J	47	98.6	48.5
Beryllium	7440-41-7	14	72	0.788	0.756	0.341 J	0.657	0.316 J	0.293 J	0.379 U	0.388 U	0.384
Cadmium	7440-43-9	2.5	4.3	1.5	3.4	0.563 J	1.1	2.3	0.325 J	0.632 U	0.646 U	0.64 U
Calcium	7440-70-2	NC	NC	11,400	19,800	58,700	14,200	66,900	145,000	12,300	3,780	3,080
Chromium	7440-47-3	22*	110*	27.4 J	28.2 J	9.6 J	17.8 J	14.6 J	8.2 J	9.1	7.4	10.1
Cobalt	7440-48-4	30[CP]	NC	7.7	6.6 J	4.5 J	9.1	7.3	3.1 J	5.5 J	3.9 J	7.7
Copper	7440-50-8	270	270	34.3 J	59.8 J	20.5 J	75.3 J	31.1 J	21.2 J	18.1	72.8	17.2
Cyanide	57-12-5	27	27	0.48 J	1.37 J	0.24 J	0.49 J	0.06 J	0.04 J	0.36	0.55	0.22
Iron	7439-89-6	2,000[CP]	NC	*27,200 J*	*19,200 J*	*13,500 J*	*31,500 J*	*22,600 J*	*13,900 J*	*13,000*	*16,500*	*16,600*
Lead	7439-92-1	400	400	128	264	96.8	232	1,440	57.4	24.7	109	27
Magnesium	7439-95-4	NC	NC	8,060	10,900	30,600	5,750	32,600	20,100	7,090	540	2,510
Manganese	7439-96-5	2,000	2,000	287	228	249	335	417	251	425	183	341
Mercury	7439-97-6	0.81	0.81	0.333 N	0.605 N	0.117 N	0.735 N	1.1 N	0.041 N	0.135 J	0.706 J	0.048 J
Nickel	7440-02-0	140	310	16.2	16.5	9.3	20.8	10.9	8.4	9.8	6.1	16
Potassium	7440-09-7	NC	NC	2,210	2,770	1,230	1,180	935	755	1,170	405	1,480
Selenium	7782-49-2	36	180	1.7	2.6	1.2 J	1.6	0.651 J	1.1 U	1.6	2.1	1.3
Silver	7440-22-4	36	180	0.321 J	0.616 J	0.419 J	0.719 J	0.603 J	0.087 J	0.089 J	0.336 J	0.218 J
Sodium	7440-23-5	NC	NC	216	184	131 U	153 U	144 U	292	126 U	129 U	128 U
Thallium	7440-28-0	NC	NC	1.5 U	1.8 U	1.3 U	1.5 U	1.4 U	1.9	1.3 U	1.3 U	1.3 U
Vanadium	7440-62-2	100[CP]	NC	35	29.3	11.9	21.1	15.1	16.8	15	9.8	14.6
Zinc	7440-66-6	2,200	10,000	363 J	537 J	118 J	279 J	2,470 J	126 J	79.3	126	62.5

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
* Chromium SCO is Hexavalent Chromium as conservative value. Results presented are Total Chromium.
mg/kg - milligrams per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.

Exceeds Residential Use SCO listed in Part 375 or CP-51
Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 5E - Surface Soil Results Compared to Restricted SCOs
Inorganics
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

Chemical Name	CAS #	NY Part 375 Residential SCO[1]	NY Part 375 Restricted Residential SCO[1]								
			Sample Location	SS-139	SS-140	SS-148	SS-149	SS-150	SS-150	SS-152	SS-153
			Sample ID	SS-139-0-0.17-091916	SS-140-0-0.17-091916	SS-148-0-0.17-092016	SS-149-0-0.17-091916	DUP-006-091916	SS-150-0-0.17-091916	SS-152-0-0.17-091916	SS-153-0-0.17-091916
			Sample Date	9/19/2016	9/19/2016	9/20/2016	9/19/2016	9/19/2016	9/19/2016	9/19/2016	9/19/2016
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
			Lab SDG	R1609864	R1609864	R1609909	R1609864	R1609864	R1609864	R1609864	R1609864
			Start Depth	0	0	0	0	0	0	0	0
			End Depth	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
Inorganics											
Aluminum	7429-90-5	NC	NC	6,790	14,000	6,620 J	4,420	6,220	6,540	8,240	8,180
Antimony	7440-36-0	NC	NC	8.1 U	0.754 J	1.8 J	1.1 J	7.7 U	7.4 U	6.8 U	7.5 U
Arsenic	7440-38-2	16	16	12.8	23.8	65.4	42.5	7.3	7.7	6.7	7.1
Barium	7440-39-3	350	400	52	55.9	305 J	67.7	46.5	47.2	48.6	68.5
Beryllium	7440-41-7	14	72	0.404 U	0.769	0.964	0.511	0.386 U	0.369 U	0.455	0.447
Cadmium	7440-43-9	2.5	4.3	0.675 U	0.905	2.5	0.623 U	0.643 U	0.616 U	0.569 U	0.621 U
Calcium	7440-70-2	NC	NC	6,390	15,200	18,100	14,000	4,760	4,620	51,000	2,820
Chromium	7440-47-3	22*	110*	10.3	37.2	17.6 J	9.9	9.7	10	10.8	12.2
Cobalt	7440-48-4	30[CP]	NC	7.9	5.3 J	8.5	6.9	7.6	7.9	6.5	10.7
Copper	7440-50-8	270	270	23.2	79.5	55.1 J	84	22.1	19.7	15.5	16.6
Cyanide	57-12-5	27	27	0.38	0.69	0.96 J	0.32	0.32	0.25	0.12	0.13
Iron	7439-89-6	2,000[CP]	NC	*17,000*	*14,600*	*26,300 J*	*17,800*	*15,200*	*16,500*	*15,600*	*27,400*
Lead	7439-92-1	400	400	33.7	85.4	176	90.6	35	36	117	23.8
Magnesium	7439-95-4	NC	NC	2,880	13,800	6,600	4,360	2,700	2,750	19,100	2,670
Manganese	7439-96-5	2,000	2,000	346	188	308	249	322	338	324	435
Mercury	7439-97-6	0.81	0.81	0.063	0.204 J	0.857	0.298 J	0.081	0.08 J	0.058 J	0.047 J
Nickel	7440-02-0	140	310	15.9	13.5	27.1	13.9	15.5	16.2	10.8	17.7
Potassium	7440-09-7	NC	NC	1,630	2,700	1,490	1,130	1,290	1,320	1,540	1,220
Selenium	7782-49-2	36	180	1.6	2.6	3.1	2.2	1.3 U	1.7	1.2 U	1.2 U
Silver	7440-22-4	36	180	0.162 J	0.483 J	0.597 J	0.361 J	0.283 J	0.283 J	0.057 J	0.099 J
Sodium	7440-23-5	NC	NC	135 U	258	136 U	125 U	129 U	123 U	117 U	124 U
Thallium	7440-28-0	NC	NC	1.4 U	1.5 U	1.4 U	1.3 U	1.3 U	1.2 U	1.1 U	1.2 U
Vanadium	7440-62-2	100[CP]	NC	14.6	42.5	25.5	17.3	14.4	15.1	18.8	17.2
Zinc	7440-66-6	2,200	10,000	99.8	109	569 J	80.5	90.3	89.6	42.4	70.6

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
* Chromium SCO is Hexavalent Chromium as conservative value. Results presented are Total Chromium.
mg/kg - milligrams per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.

(green)	Exceeds Residential Use SCO listed in Part 375 or CP-51
(orange)	Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 5E1 - Existing Surface Cover Soil Results Compared to Restricted SCOs
Inorganics
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

			Sample Location	SS-101	SS-103	SS-105	SS-106	SS-108	SS-109	SS-110	SS-111	SS-112	SS-113
			Sample ID	SS-101-0-0.17-092016	SS-103-0-0.17-092016	SS-105-0-0.17-091916	SS-106-0-0.17-091916	SS-108-0-0.17-091916	SS-109-0-0.17-091916	SS-110-1-2-092116	SS-111-0-0.17-091916	SS-112-0-0.17-091916	DUP-005-092116
			Sample Date	9/20/2016	9/20/2016	9/19/2016	9/19/2016	9/19/2016	9/19/2016	9/21/2016	9/19/2016	9/19/2016	9/21/2016
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
			Lab SDG	R1609909	R1609909	R1609864	R1609864	R1609864	R1609864	R1609954	R1609864	R1609864	R1609954
			Start Depth	0	0	0	0	0	0	1	0	0	1
			End Depth	0.17	0.17	0.17	0.17	0.17	0.17	2	0.17	0.17	2
Chemical Name	CAS #	NY Part 375 Residential SCO[1]	NY Part 375 Restricted Residential SCO[1]										
Inorganics													
Aluminum	7429-90-5	NC	NC	3,530 J	6,230 J	5,430	7,290	5,080	7,660	2,820	12,700	5,890	7,690
Antimony	7440-36-0	NC	NC	7.4 U	7.3 U	1.7 J	0.353 J	8 U	0.873 J	1.9 J	1.4 J	26.3	6.7 UJ
Arsenic	7440-38-2	16	16	2.3	5.9	7.8	7.7	3.7	9.1	16.9	19	21.3	26.5
Barium	7440-39-3	350	400	31.3 J	110 J	491	68.2	39.8	94.9	111	90.1	466	103
Beryllium	7440-41-7	14	72	0.172 J	0.315 J	0.461 J	0.441 U	0.399 U	0.452	0.547	0.809	0.486	0.533
Cadmium	7440-43-9	2.5	4.3	0.185 J	0.763	2.3	0.734	0.666 U	0.753 U	0.186 J	1.2	2.8	0.388 J
Calcium	7440-70-2	NC	NC	2,820	3,580	12,900	18,100	16,500	13,000	6,170	21,500	18,000	19,100
Chromium	7440-47-3	22*	110*	5.9 J	10.2 J	28.7	12.6	8.3	15.7	7.4	34.6	29.9	12.8
Cobalt	7440-48-4	30[CP]	NC	2.8 J	4.3 J	7 J	5.4 J	4.1 J	6.1 J	6.8	7.5 J	8.8	12.2
Copper	7440-50-8	270	270	9.3 J	21.3 J	3,980	33	22.1	29.7	43.8	58.6	2,410	26.4
Cyanide	57-12-5	27	27	0.16 J	0.23 J	1.01	0.86	0.31	0.72	0.26	1.09	0.6	0.13
Iron	7439-89-6	2,000[CP]	NC	*7,670 J*	*13,200 J*	*14,200*	*14,500*	*11,300*	*21,400*	*28,500*	*21,400*	*34,900*	*35,100*
Lead	7439-92-1	400	400	51.8	204	652	177	68.9	82.2	82.7	148	2,640	47.7
Magnesium	7439-95-4	NC	NC	1,070	1,410	2,100	5,420	5,380	4,380	2,970	11,100	8,210	11,300
Manganese	7439-96-5	2,000	2,000	228	311	285	399	305	657	155	322	340	448
Mercury	7439-97-6	0.81	0.81	0.083 N	0.387 N	0.352 J	0.405 J	0.2 J	0.162 J	0.19	0.263 J	0.633 J	0.267
Nickel	7440-02-0	140	310	5.3	8.2	6.1 U	11	7.4	12.2	13.9	18.7	10.1	24
Potassium	7440-09-7	NC	NC	681	881	979	1,520	1,210	1,230	557	2,520	1,000	1,190
Selenium	7782-49-2	36	180	1 J	1.1 J	3	2.4	1.7	3	1.1 J	3.2	1.2 U	2.4
Silver	7440-22-4	36	180	0.111 J	0.206 J	1.3 J	0.25 J	0.107 J	0.346 J	0.077 J	0.953 J	1.6	0.122 J
Sodium	7440-23-5	NC	NC	123 U	121 U	154 U	147 U	133 U	151 U	109 U	187	318	142
Thallium	7440-28-0	NC	NC	1.2 U	1.2 U	1.5 U	1.5 U	1.3 U	1.5 U	1.1 U	1.8 U	1.2 U	1.1 U
Vanadium	7440-62-2	100[CP]	NC	11.2	17	19.5	19.4	15.7	22.1	13.7	37.6	23.7	19
Zinc	7440-66-6	2,200	10,000	59.9 J	353 J	1,130	178	107	110	37.2	173	1,770	120

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
STARTand END DEPTH - feet below ground surface
* Chromium SCO is Hexavalent Chromium as conservative value. Results presented are Total Chromium.
mg/kg - milligrams per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tenative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.

(green shading)	Exceeds Residential Use SCO listed in Part 375 or CP-51
(orange shading)	Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 5E1 - Existing Surface Cover Soil Results Compared to Restricted SCOs
Inorganics
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

			Sample Location	SS-113	SS-114	SS-115	SS-116	SS-117	SS-118	SS-119	SS-120	SS-121	SS-122
			Sample ID	SS-113-1-2-092116	SS-114-0-0.17-092016	SS-115-0-0.17-092016	SS-116-0-0.17-092016	SS-117-1-1.5-092116	SS-118-1-2-092116	SS-119-0-0.5-092116	SS-120-0.5-1-092116	SS-121-0-0.17-092016	SS-122-1.5-2-092116
			Sample Date	9/21/2016	9/20/2016	9/20/2016	9/20/2016	9/21/2016	9/21/2016	9/21/2016	9/21/2016	9/20/2016	9/21/2016
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
			Lab SDG	R1609954	R1609909	R1609909	R1609909	R1609954	R1609954	R1609954	R1609954	R1609909	R1609954
			Start Depth	1	0	0	0	1	1	0	0.5	0	1.5
			End Depth	2	0.17	0.17	0.17	1.5	2	0.5	1	0.17	2
Chemical Name	CAS #	NY Part 375 Residential SCO[1]	NY Part 375 Restricted Residential SCO[1]										
Inorganics													
Aluminum	7429-90-5	NC	NC	6,900	2,970 J	9,970 J	9,050 J	9,700	7,350	3,960	9,480	4,050 J	5,740
Antimony	7440-36-0	NC	NC	6.9 UJ	6.9 J	8.8 U	1.2 J	6.7 UJ	6.4 UJ	7.2 UJ	6.7 UJ	7.9 U	7.2 UJ
Arsenic	7440-38-2	16	16	24.5	16.9	37.2	21.4	28.8	8.4	3.9	18.2	9.5	40.4
Barium	7440-39-3	350	400	102	99.4 J	138 J	201 J	99	49.2	51.3	76.2	38.2 J	63.7
Beryllium	7440-41-7	14	72	0.485	0.414	0.788	0.756	0.775	0.47	0.226 J	0.611	0.341 J	0.623
Cadmium	7440-43-9	2.5	4.3	0.439 J	5	1.5	3.4	0.764	0.267 J	0.465 J	0.567	0.563 J	0.359 J
Calcium	7440-70-2	NC	NC	16,700	8,460	11,400	19,800	13,700	58,300	29,500	19,400	58,700	5,960
Chromium	7440-47-3	22*	110*	11.5	11.8 J	27.4 J	28.2 J	24.5	12.2	7.4	18	9.6 J	11.2
Cobalt	7440-48-4	30[CP]	NC	10.8	8.7	7.7	6.6 J	9.3	8.1	4 J	9.2	4.5 J	8.3
Copper	7440-50-8	270	270	25.4	78.9 J	34.3 J	59.8 J	27.4	22.3	43.3	33.4	20.5 J	28.9
Cyanide	57-12-5	27	27	0.26	0.57 J	0.48 J	1.37 J	0.25	0.1	0.45	0.16	0.24 J	0.11 J
Iron	7439-89-6	2,000[CP]	NC	*34,900*	*28,700 J*	*27,200 J*	*19,200 J*	*21,100*	*19,600*	*11,500*	*29,200*	*13,500 J*	*27,700*
Lead	7439-92-1	400	400	45.9	265	128	264	85.4	31.7	189	147	96.8	69.4
Magnesium	7439-95-4	NC	NC	9,710	1,570	8,060	10,900	11,100	28,500	8,770	10,600	30,600	3,810
Manganese	7439-96-5	2,000	2,000	436	170	287	228	211	422	292	275	249	200
Mercury	7439-97-6	0.81	0.81	0.314	0.128 N	0.333 N	0.605 N	0.146	0.107	0.181	0.668	0.117 N	0.291
Nickel	7440-02-0	140	310	21.3	20.6	16.2	16.5	20.6	16.2	8.5	20.1	9.3	16.1
Potassium	7440-09-7	NC	NC	1,100	576	2,210	2,770	1,590	1420	986	1,460	1,230	881
Selenium	7782-49-2	36	180	1.9	1.5	1.7	2.6	0.989 J	1.1 U	1.2 U	1.4	1.2 J	2.3
Silver	7440-22-4	36	180	0.104 J	0.954 J	0.321 J	0.616 J	0.079 J	0.139 J	0.238 J	0.322 J	0.419 J	0.096 J
Sodium	7440-23-5	NC	NC	129	125 U	216	184	151	120	119 U	140	131 U	120 U
Thallium	7440-28-0	NC	NC	1.2 U	1.3 U	1.5 U	1.8 U	1.1 U	1.1 U	1.2 U	11.1 U	1.3 U	1.2 U
Vanadium	7440-62-2	100[CP]	NC	17.1	15.7	35	29.3	29.9	16.6	15.3	24.2	11.9	15.9
Zinc	7440-66-6	2,200	10,000	126	695 J	363 J	537 J	165	171	118	127	118 J	113

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
STARTand END DEPTH - feet below ground surface
* Chromium SCO is Hexavalent Chromium as conservative value. Results presented are Total Chromium.
mg/kg - milligrams per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tenative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.

(green shading)	Exceeds Residential Use SCO listed in Part 375 or CP-51
(orange shading)	Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 5E1 - Existing Surface Cover Soil Results Compared to Restricted SCOs
Inorganics
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

			Sample Location	SS-123	SS-124	SS-125	SS-129	SS-130	SS-131	SS-132	SS-133	SS-134	SS-135
			Sample ID	SS-123-0-0.17-092016	SS-124-1-2-092216	SS-125-1-2-092216	SS-129-0-0.17-092016	SS-130-0.5-1.5-092216	SS-131-0-0.17-092016	SS-132-1-1.5-092216	SS-133-1-2-092016	SS-134-0-0.17-091916	SS-135-0-0.17-091916
			Sample Date	9/20/2016	9/22/2016	9/22/2016	9/20/2016	9/22/2016	9/20/2016	9/22/2016	9/20/2016	9/19/2016	9/19/2016
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
			Lab SDG	R1609909	R1610012	R1610012	R1609909	R1610012	R1609909	R1610012	R1609909	R1609864	R1609864
			Start Depth	0	1	1	0	0.5	0	1	1	0	0
			End Depth	0.17	2	2	0.17	1.5	0.17	1.5	2	0.17	0.17
Chemical Name	CAS #	NY Part 375 Residential SCO[1]	NY Part 375 Restricted Residential SCO[1]										
Inorganics													
Aluminum	7429-90-5	NC	NC	6,870 J	3,830	3,790	6,430 J	6,620	4,540 J	4,860	3,880 J	6,610	1,660
Antimony	7440-36-0	NC	NC	1.9 J	4.5 J	0.69 J	8.6 U	6.9 U	6.5 U	6.4 U	14.4	7.6 U	1.5 J
Arsenic	7440-38-2	16	16	20.9	20.9	18.2	5.7	20.6	3.6	5.5	30.5	4.9	37.9
Barium	7440-39-3	350	400	95.2 J	97.5	98.7	3,690 J	123	58.3 J	49.8	119 J	47	98.6
Beryllium	7440-41-7	14	72	0.657	0.621	0.654	0.316 J	0.949	0.293 J	0.308 J	0.623	0.379 U	0.388 U
Cadmium	7440-43-9	2.5	4.3	1.1	2.5	1.4	2.3	0.625	0.325 J	0.531 U	0.634	0.632 U	0.646 U
Calcium	7440-70-2	NC	NC	14,200	11,600 J	14,000 J	66,900	26,900 J	145,000	103,000 J	12,700	12,300	3,780
Chromium	7440-47-3	22*	110*	17.8 J	26.3 J	28.5 J	14.6 J	13.1 J	8.2 J	7.6 J	11.1 J	9.1	7.4
Cobalt	7440-48-4	30[CP]	NC	9.1	11	10	7.3	11.3	3.1 J	4.2 J	7.9	5.5 J	3.9 J
Copper	7440-50-8	270	270	75.3 J	831	73.5	31.1 J	41.7	21.2 J	22.8	175 J	18.1	72.8
Cyanide	57-12-5	27	27	0.49 J	0.11 U	0.23	0.06 J	0.31	0.04 J	0.032 J	0.36 J	0.36	0.55
Iron	7439-89-6	2,000[CP]	NC	*31,500 J*	*38,100*	*36,300*	*22,600 J*	*22,800*	*13,900 J*	*11,000*	*26,400 J*	*13,000*	*16,500*
Lead	7439-92-1	400	400	232	424	105	1,440	83	57.4	72.4	1,450	24.7	109
Magnesium	7439-95-4	NC	NC	5,750	5,510 J	6,820 J	32,600	14,700 J	20,100	13,400 J	3,350	7,090	540
Manganese	7439-96-5	2,000	2,000	335	558	747	417	157	251	334	213	425	183
Mercury	7439-97-6	0.81	0.81	0.735 N	0.286	0.263	1.1 N	0.338	0.041 N	0.279	6.9 N	0.135 J	0.706 J
Nickel	7440-02-0	140	310	20.8	51	25	10.9	27	8.4	9.6	16.5	9.8	6.1
Potassium	7440-09-7	NC	NC	1,180	514	653	935	683	755	981	636	1,170	405
Selenium	7782-49-2	36	180	1.6	2	11.9 U	0.651 J	11.6 U	1.1 U	1.1 U	0.78 J	1.6	2.1
Silver	7440-22-4	36	180	0.719 J	0.686 J	0.345 J	0.603 J	0.069 J	0.087 J	0.064 J	0.436 J	0.089 J	0.336 J
Sodium	7440-23-5	NC	NC	153 U	109 U	140	144 U	116 U	292	183	155	126 U	129 U
Thallium	7440-28-0	NC	NC	1.5 U	1.1 U	1.2 U	1.4 U	1.2 U	1.9	0.648 J	1 U	1.3 U	1.3 U
Vanadium	7440-62-2	100[CP]	NC	21.1	16.7	15.9	15.1	19	16.8	19.8	20	15	9.8
Zinc	7440-66-6	2,200	10,000	279 J	940	309	2,470 J	349	126 J	77.6	231 J	79.3	126

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
STARTand END DEPTH - feet below ground surface
* Chromium SCO is Hexavalent Chromium as conservative value. Results presented are Total Chromium.
mg/kg - milligrams per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tenative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.

(green shading)	Exceeds Residential Use SCO listed in Part 375 or CP-51
(orange shading)	Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 5E1 - Existing Surface Cover Soil Results Compared to Restricted SCOs
Inorganics
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

			Sample Location	SS-136	SS-137	SS-138	SS-139	SS-140	SS-141[BB]	SS-142	SS-144	SS-145	SS-147
			Sample ID	SS-136-0-0.17-091916	SS-137-1.5-2-092016	SS-138-0.5-1-092016	SS-139-0-0.17-091916	SS-140-0-0.17-091916	SS-141-1-2-092116	SS-142-0.5-1.5-092116	SS-144-0.5-1.5-092116	SS-145-0.5-1.5-092116	SS-147-0.5-1.5-092116
			Sample Date	9/19/2016	9/20/2016	9/20/2016	9/19/2016	9/19/2016	9/21/2016	9/21/2016	9/21/2016	9/21/2016	9/21/2016
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
			Lab SDG	R1609864	R1609909	R1609954	R1609864	R1609864	R1609954	R1609954	R1609954	R1609954	R1609954
			Start Depth	0	1.5	0.5	0	0	1	0.5	0.5	0.5	0.5
			End Depth	0.17	2	1	0.17	0.17	2	1.5	1.5	1.5	1.5
Chemical Name	CAS #	NY Part 375 Residential SCO[1]	NY Part 375 Restricted Residential SCO[1]										
Inorganics													
Aluminum	7429-90-5	NC	NC	6,880	5,800 J	6,730 J	6,790	14,000	22,300	5,230	7,050	2,710	9,040
Antimony	7440-36-0	NC	NC	7.7 U	6.7 U	6.4 UJ	8.1 U	0.754 J	8.1 UJ	2.3 J	6.5 UJ	0.486 J	6.8 UJ
Arsenic	7440-38-2	16	16	7.1	5	7.4 J	12.8	23.8	29.3	14.3	7.1	48.6	11.3
Barium	7440-39-3	350	400	48.5	42.7 J	46.9 J	52	55.9	44.3	257	52.9	49.5	86.6
Beryllium	7440-41-7	14	72	0.384	0.325 J	0.375 J	0.404 U	0.769	0.886	0.676	0.387	0.474	0.488
Cadmium	7440-43-9	2.5	4.3	0.64 U	0.101 J	0.182 J	0.675 U	0.905	1.2	1.5	0.237 J	0.095 J	0.386 J
Calcium	7440-70-2	NC	NC	3,080	12,300	2,410 J	6,390	15,200	48,900	9,180	1,900	3,220	4,470
Chromium	7440-47-3	22*	110*	10.1	9.2 J	10.3 J	10.3	37.2	54.8	27.2	10.6	6.8	17.3
Cobalt	7440-48-4	30[CP]	NC	7.7	6.7	8.4 J	7.9	5.3 J	3.4 J	7.7	8.2	6.6	6.7
Copper	7440-50-8	270	270	17.2	13.1 J	14 J	23.2	79.5	11.8	291	15.3	84.9	24
Cyanide	57-12-5	27	27	0.22	0.03 J	0.043 J	0.38	0.69	0.34	1.31	0.07 J	0.58	0.17
Iron	7439-89-6	2,000[CP]	NC	*16,600*	*15,100 J*	*17,600 J*	*17,000*	*14,600*	*15,700*	*22,200*	*17,500*	*8,560*	*19,000*
Lead	7439-92-1	400	400	27	13.4	17.8 J	33.7	85.4	43.2	346	22.5	56.4	47.5
Magnesium	7439-95-4	NC	NC	2,510	4,620	2,980 J	2,880	13,800	31,100	2,990	2,580	681	3,750
Manganese	7439-96-5	2,000	2,000	341	224	371 J	346	188	135	205	316	96.1	433
Mercury	7439-97-6	0.81	0.81	0.048 J	0.022 NJ	0.03 J	0.063	0.204 J	0.134	2.9	0.046	0.096	16.4
Nickel	7440-02-0	140	310	16	13.6	17.3 J	15.9	13.5	17.1	15.1	17.1	13.3	14.6
Potassium	7440-09-7	NC	NC	1,480	882	922 J	1,630	2,700	2,740	895	1,010	693	1,420
Selenium	7782-49-2	36	180	1.3	0.71 J	1.1 UJ	1.6	2.6	0.846 J	2	1.1 U	1.7	1.3
Silver	7440-22-4	36	180	0.218 J	1.1 U	1.1 UJ	0.162 J	0.483 J	0.161 J	0.27 J	0.054 J	0.071 J	0.057 J
Sodium	7440-23-5	NC	NC	128 U	112 U	107 UJ	135 U	258	715	137	108 U	118 U	113 U
Thallium	7440-28-0	NC	NC	1.3 U	1.1 U	1.1 UJ	1.4 U	1.5 U	1.3 U	1.1 U	1.1 U	1.2 U	1.1 U
Vanadium	7440-62-2	100[CP]	NC	14.6	13.8	14 J	14.6	42.5	58.7	16.9	14.6	15.9	25
Zinc	7440-66-6	2,200	10,000	62.5	42.9 J	55.5 J	99.8	109	136	487	55.8	25.8	159

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
STARTand END DEPTH - feet below ground surface
* Chromium SCO is Hexavalent Chromium as conservative value. Results presented are Total Chromium.
mg/kg - milligrams per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tenative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.

(light green shading)	Exceeds Residential Use SCO listed in Part 375 or CP-51
(orange shading)	Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 5E1 - Existing Surface Cover Soil Results Compared to Restricted SCOs
Inorganics
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

			Sample Location	SS-148	SS-149	SS-150	SS-150	SS-151	SS-152	SS-153
			Sample ID	SS-148-0-0.17-092016	SS-149-0-0.17-091916	DUP-006-091916	SS-150-0-0.17-091916	SS-151-0-0.5-092116	SS-152-0-0.17-091916	SS-153-0-0.17-091916
			Sample Date	9/20/2016	9/19/2016	9/19/2016	9/19/2016	9/21/2016	9/19/2016	9/19/2016
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
			Lab SDG	R1609909	R1609864	R1609864	R1609864	R1609954	R1609864	R1609864
			Start Depth	0	0	0	0	0	0	0
			End Depth	0.17	0.17	0.17	0.17	0.5	0.17	0.17
Chemical Name	**CAS #**	**NY Part 375 Residential SCO[1]**	**NY Part 375 Restricted Residential SCO[1]**							
Inorganics										
Aluminum	7429-90-5	NC	NC	6,620 J	4,420	6,220	6,540	6,290	8,240	8,180
Antimony	7440-36-0	NC	NC	1.8 J	1.1 J	7.7 U	7.4 U	7.1 UJ	6.8 U	7.5 U
Arsenic	7440-38-2	16	16	65.4	42.5	7.3	7.7	25.9	6.7	7.1
Barium	7440-39-3	350	400	305 J	67.7	46.5	47.2	52.1	48.6	68.5
Beryllium	7440-41-7	14	72	0.964	0.511	0.386 U	0.369 U	0.435	0.455	0.447
Cadmium	7440-43-9	2.5	4.3	2.5	0.623 U	0.643 U	0.616 U	0.341 J	0.569 U	0.621 U
Calcium	7440-70-2	NC	NC	18,100	14,000	4,760	4,620	3,280	51,000	2,820
Chromium	7440-47-3	22*	110*	17.6 J	9.9	9.7	10	11.2	10.8	12.2
Cobalt	7440-48-4	30[CP]	NC	8.5	6.9	7.6	7.9	8	6.5	10.7
Copper	7440-50-8	270	270	55.1 J	84	22.1	19.7	37	15.5	16.6
Cyanide	57-12-5	27	27	0.96 J	0.32	0.32	0.25	0.13	0.12	0.13
Iron	7439-89-6	2,000[CP]	NC	*26,300 J*	*17,800*	*15,200*	*16,500*	*21,200*	*15,600*	*27,400*
Lead	7439-92-1	400	400	176	90.6	35	36	49	117	23.8
Magnesium	7439-95-4	NC	NC	6,600	4,360	2,700	2,750	2,610	19,100	2,670
Manganese	7439-96-5	2,000	2,000	308	249	322	338	286	324	435
Mercury	7439-97-6	0.81	0.81	0.857	0.298 J	0.081	0.08 J	0.217	0.058 J	0.047 J
Nickel	7440-02-0	140	310	27.1	13.9	15.5	16.2	17.2	10.8	17.7
Potassium	7440-09-7	NC	NC	1,490	1,130	1,290	1,320	1,190	1,540	1,220
Selenium	7782-49-2	36	180	3.1	2.2	1.3 U	1.7	0.917 J	1.2 U	1.2 U
Silver	7440-22-4	36	180	0.597 J	0.361 J	0.283 J	0.283 J	0.282 J	0.057 J	0.099 J
Sodium	7440-23-5	NC	NC	136 U	125 U	129 U	123 U	118 U	117 U	124 U
Thallium	7440-28-0	NC	NC	1.4 U	1.3 U	1.3 U	1.2 U	1.2 U	1.1 U	1.2 U
Vanadium	7440-62-2	100[CP]	NC	25.5	17.3	14.4	15.1	16.3	18.8	17.2
Zinc	7440-66-6	2,200	10,000	569 J	80.5	90.3	89.6	77.9	42.4	70.6

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
STARTand END DEPTH - feet below ground surface
* Chromium SCO is Hexavalent Chromium as conservative value. Results presented are Total Chromium.
mg/kg - milligrams per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tenative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.

(green shading)	Exceeds Residential Use SCO listed in Part 375 or CP-51
(orange shading)	Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 6A - Surface Soil Results Compared to Unrestricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SS-100	SS-101	SS-102	SS-103	SS-104
		Sample ID	SS-100-0-0.17-092016	SS-101-0-0.17-092016	SS-102-0-0.17-092016	SS-103-0-0.17-092016	SS-104-0-0.17-091916
		Sample Date	9/20/2016	9/20/2016	9/20/2016	9/20/2016	9/19/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	R1609909	R1609909	R1609909	R1609909	R1609864
		Start Depth	0	0	0	0	0
		End Depth	0.17	0.17	0.17	0.17	0.17
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]					
VOCs							
1,1,1-Trichloroethane	71-55-6	680	13 U	4.9 U	5.1 U	6.4 U	7.6 U
1,1,2,2-Tetrachloroethane	79-34-5	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 UJ
1,1,2-Trichloroethane	79-00-5	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 U
1,1-Dichloroethane	75-34-3	270	13 U	4.9 U	5.1 U	6.4 U	7.6 U
1,1-Dichloroethene	75-35-4	330	13 U	4.9 U	5.1 U	6.4 U	7.6 U
1,2,3-Trichlorobenzene	87-61-6	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 UJ
1,2,4-Trichlorobenzene	120-82-1	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 UJ
1,2,4-Trimethylbenzene	95-63-6	3,600	13 U	4.9 U	5.1 U	6.4 U	7.6 UJ
1,2-Dibromo-3-chloropropane	96-12-8	NC	13 U	4.9 UJ	5.1 UJ	6.4 UJ	7.6 UJ
1,2-Dibromoethane	106-93-4	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 U
1,2-Dichlorobenzene	95-50-1	1,100	13 U	4.9 U	5.1 U	6.4 U	7.6 UJ
1,2-Dichloroethane	107-06-2	20	13 U	4.9 U	5.1 U	6.4 U	7.6 U
1,2-Dichloropropane	78-87-5	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 U
1,3,5-Trimethylbenzene	108-67-8	8,400	13 U	4.9 U	5.1 U	6.4 U	7.6 UJ
1,3-Dichlorobenzene	541-73-1	2,400	13 U	4.9 U	5.1 U	6.4 U	7.6 UJ
1,4-Dichlorobenzene	106-46-7	1,800	13 U	4.9 U	5.1 U	6.4 U	7.6 UJ
1,4-Dioxane	123-91-1	100	250 R	98 R	100 R	130 R	150 R
2-Butanone	78-93-3	120	13 UJ	4.9 UJ	5.1 UJ	6.4 UJ	7.6 UJ
2-Hexanone	591-78-6	NC	13 UJ	4.9 UJ	5.1 UJ	6.4 UJ	7.6 UJ
4-Isopropyltoluene	99-87-6	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 UJ
4-Methyl-2-Pentanone	108-10-1	NC	13 UJ	4.9 UJ	5.1 UJ	6.4 UJ	7.6 UJ
Acetone	67-64-1	50	130	4.9 U	9.4	6.4 U	14
Benzene	71-43-2	60	13 U	4.9 U	5.1 U	6.4 U	7.6 U
Bromochloromethane	74-97-5	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 U
Bromodichloromethane	75-27-4	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 U
Bromoform	75-25-2	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 U
Bromomethane	74-83-9	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 U
Carbon disulfide	75-15-0	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 U
Carbon Tetrachloride	56-23-5	760	13 U	4.9 U	5.1 U	6.4 U	7.6 U
Chlorobenzene	108-90-7	1,100	13 U	4.9 U	5.1 U	6.4 U	7.6 U
Chloroethane	75-00-3	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 U
Chloroform	67-66-3	370	13 U	4.9 U	5.1 U	6.4 U	7.6 U
Chloromethane	74-87-3	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 U
cis-1,2-Dichloroethene	156-59-2	250	13 U	4.9 U	5.1 U	6.4 U	7.6 U
Cis-1,3-Dichloropropene	10061-01-5	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 U
Cyclohexane	110-82-7	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 U
Dibromochloromethane	124-48-1	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 U
Dichlorodifluoromethane	75-71-8	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 U
Ethylbenzene	100-41-4	1,000	13 U	4.9 U	5.1 U	6.4 U	7.6 U
Isopropylbenzene	98-82-8	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 U
M,P-XYLENE	XYLMP	NC	25 U	9.8 U	10 U	13 U	15 U
Methyl Acetate	79-20-9	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 U
Methylcyclohexane	108-87-2	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 U
Methylene Chloride	75-09-2	50	13 U	4.9 U	5.1 U	0.75 J	7.6 U
MTBE	1634-04-4	930	5.8 J	4.9 U	5.1 U	6.4 U	7.6 U
n-Butylbenzene	104-51-8	12,000	13 U	4.9 U	5.1 U	6.4 U	7.6 UJ
n-Propylbenzene	103-65-1	3,900	13 U	4.9 U	5.1 U	6.4 U	7.6 UJ
o-Xylene	95-47-6	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 U
sec-Butylbenzene	135-98-8	11,000	13 U	4.9 U	5.1 U	6.4 U	7.6 UJ
Styrene	100-42-5	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 U
Tert-Butylbenzene	98-06-6	5,900	13 U	4.9 U	5.1 U	6.4 U	7.6 UJ
Tetrachloroethene	127-18-4	1,300	13 U	4.9 U	5.1 U	6.4 U	7.6 U
Toluene	108-88-3	700	13 U	4.9 U	5.1 U	6.4 U	7.6 U
trans-1,2-Dichloroethene	156-60-5	190	13 U	4.9 U	5.1 U	6.4 U	7.6 U
Trans-1,3-Dichloropropene	10061-02-6	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 U
Trichloroethene	79-01-6	470	13 U	4.9 U	5.1 U	6.4 U	7.6 U
Trichlorofluoromethane	75-69-4	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 U
TRICHLOROTRIFLUOROETHANE	26523-64-8	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 U
Vinyl Chloride	75-01-4	20	13 U	4.9 U	5.1 U	6.4 U	7.6 U
Total Xylenes	NA	260	U	U	U	U	U
VOC TIC TOTALS	NA	NC	191	119.7	52.2	0	79

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample

T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.
(shaded) Exceeds Unrestricted SCO listed in Part 375.

Table 6A - Surface Soil Results Compared to Unrestricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SS-105	SS-106	SS-107	SS-108	SS-111
		Sample ID	SS-105-0-0.17-091916	SS-106-0-0.17-091916	SS-107-0-0.17-091916	SS-108-0-0.17-091916	SS-111-0-0.17-091916
		Sample Date	9/19/2016	9/19/2016	9/19/2016	9/19/2016	9/19/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	R1609864	R1609864	R1609864	R1609864	R1609864
		Start Depth	0	0	0	0	0
		End Depth	0.17	0.17	0.17	0.17	0.17
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]					
VOCs							
1,1,1-Trichloroethane	71-55-6	680	8.4 U	13 U	4.8 U	3.1 U	7.5 U
1,1,2,2-Tetrachloroethane	79-34-5	NC	8.4 UJ	13 U	4.8 U	3.1 U	7.5 U
1,1,2-Trichloroethane	79-00-5	NC	8.4 U	13 U	4.8 U	3.1 U	7.5 U
1,1-Dichloroethane	75-34-3	270	8.4 U	13 U	4.8 U	3.1 U	7.5 U
1,1-Dichloroethene	75-35-4	330	8.4 U	13 U	4.8 U	3.1 U	7.5 U
1,2,3-Trichlorobenzene	87-61-6	NC	8.4 UJ	13 U	4.8 U	3.1 U	7.5 U
1,2,4-Trichlorobenzene	120-82-1	NC	8.4 UJ	13 U	4.8 U	3.1 U	7.5 U
1,2,4-Trimethylbenzene	95-63-6	3,600	8.4 UJ	13 U	4.8 U	3.1 U	7.5 U
1,2-Dibromo-3-chloropropane	96-12-8	NC	8.4 UJ	13 U	4.8 U	3.1 U	7.5 U
1,2-Dibromoethane	106-93-4	NC	8.4 U	13 U	4.8 U	3.1 U	7.5 U
1,2-Dichlorobenzene	95-50-1	1,100	8.4 UJ	13 U	4.8 U	3.1 U	7.5 U
1,2-Dichloroethane	107-06-2	20	8.4 U	13 U	4.8 U	3.1 U	7.5 U
1,2-Dichloropropane	78-87-5	NC	8.4 U	13 U	4.8 U	3.1 U	7.5 U
1,3,5-Trimethylbenzene	108-67-8	8,400	8.4 UJ	13 U	4.8 U	3.1 U	7.5 U
1,3-Dichlorobenzene	541-73-1	2,400	8.4 UJ	13 U	4.8 U	3.1 U	7.5 U
1,4-Dichlorobenzene	106-46-7	1,800	8.4 UJ	13 U	4.8 U	3.1 U	7.5 U
1,4-Dioxane	123-91-1	100	170 R	250 R	95 R	61 R	150 R
2-Butanone	78-93-3	120	4 J	6.3 J	4.8 UJ	3.1 UJ	5.8 J
2-Hexanone	591-78-6	NC	8.4 UJ	13 J	4.8 UJ	3.1 UJ	7.5 UJ
4-Isopropyltoluene	99-87-6	NC	8.4 UJ	13 U	4.8 U	3.1 U	7.5 U
4-Methyl-2-Pentanone	108-10-1	NC	8.4 UJ	13 J	4.8 UJ	3.1 UJ	7.5 UJ
Acetone	67-64-1	50	42	46	4.8 U	3.1 U	100
Benzene	71-43-2	60	8.4 U	13 U	4.8 U	3.1 U	7.5 U
Bromochloromethane	74-97-5	NC	8.4 U	13 U	4.8 U	3.1 U	7.5 U
Bromodichloromethane	75-27-4	NC	8.4 U	13 U	4.8 U	3.1 U	7.5 U
Bromoform	75-25-2	NC	8.4 U	13 U	4.8 U	3.1 U	7.5 U
Bromomethane	74-83-9	NC	8.4 U	13 U	4.8 U	3.1 U	7.5 U
Carbon disulfide	75-15-0	NC	8.4 U	13 U	4.8 U	3.1 U	7.5 U
Carbon Tetrachloride	56-23-5	760	8.4 U	13 U	4.8 U	3.1 U	7.5 U
Chlorobenzene	108-90-7	1,100	8.4 U	13 U	4.8 U	3.1 U	7.5 U
Chloroethane	75-00-3	NC	8.4 U	13 U	4.8 U	3.1 U	7.5 U
Chloroform	67-66-3	370	8.4 U	13 U	4.8 U	3.1 U	7.5 U
Chloromethane	74-87-3	NC	8.4 U	13 U	4.8 U	3.1 U	7.5 U
cis-1,2-Dichloroethene	156-59-2	250	8.4 U	13 U	4.8 U	3.1 U	7.5 U
Cis-1,3-Dichloropropene	10061-01-5	NC	8.4 U	13 U	4.8 U	3.1 U	7.5 U
Cyclohexane	110-82-7	NC	8.4 U	13 U	4.8 U	3.1 U	7.5 U
Dibromochloromethane	124-48-1	NC	8.4 U	13 U	4.8 U	3.1 U	7.5 U
Dichlorodifluoromethane	75-71-8	NC	8.4 U	13 U	4.8 U	3.1 U	7.5 U
Ethylbenzene	100-41-4	1,000	8.4 U	13 U	4.8 U	3.1 U	7.5 U
Isopropylbenzene	98-82-8	NC	8.4 U	13 U	4.8 U	3.1 U	7.5 U
M,P-XYLENE	XYLMP	NC	17 U	25 U	9.5 U	6.1 U	15 U
Methyl Acetate	79-20-9	NC	8.4 U	13 U	4.8 U	3.1 U	7.5 U
Methylcyclohexane	108-87-2	NC	8.4 U	13 U	4.8 U	3.1 U	7.5 U
Methylene Chloride	75-09-2	50	8.4 U	13 U	4.8 U	3.1 U	7.5 U
MTBE	1634-04-4	930	8.4 U	13 U	4.8 U	3.1 U	1.7 J
n-Butylbenzene	104-51-8	12,000	8.4 UJ	13 U	4.8 U	3.1 U	7.5 U
n-Propylbenzene	103-65-1	3,900	8.4 UJ	13 U	4.8 U	3.1 U	7.5 U
o-Xylene	95-47-6	NC	8.4 U	13 U	4.8 U	3.1 U	7.5 U
sec-Butylbenzene	135-98-8	11,000	8.4 UJ	13 U	4.8 U	3.1 U	7.5 U
Styrene	100-42-5	NC	8.4 U	13 U	4.8 U	3.1 U	7.5 U
Tert-Butylbenzene	98-06-6	5,900	8.4 UJ	13 U	4.8 U	3.1 U	7.5 U
Tetrachloroethene	127-18-4	1,300	8.4 U	13 U	4.8 U	3.1 U	7.5 U
Toluene	108-88-3	700	8.4 U	13 U	4.8 U	3.1 U	7.5 U
trans-1,2-Dichloroethene	156-60-5	190	8.4 U	13 U	4.8 U	3.1 U	7.5 U
Trans-1,3-Dichloropropene	10061-02-6	NC	8.4 U	13 U	4.8 U	3.1 U	7.5 U
Trichloroethene	79-01-6	470	8.4 U	13 U	4.8 U	3.1 U	7.5 U
Trichlorofluoromethane	75-69-4	NC	8.4 U	13 U	4.8 U	3.1 U	7.5 U
TRICHLOROTRIFLUOROETHANE	26523-64-8	NC	8.4 U	13 U	4.8 U	3.1 U	7.5 U
Vinyl Chloride	75-01-4	20	8.4 U	13 U	4.8 U	3.1 U	7.5 U
Total Xylenes	NA	260	U	U	U	U	U
VOC TIC TOTALS	NA	NC	19.5	71	67.8	23.5	254.6

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample

T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.
Exceeds Unrestricted SCO listed in Part 375.

Table 6A - Surface Soil Results Compared to Unrestricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SS-112	SS-114
		Sample ID	SS-112-0-0.17-091916	SS-114-0-0.17-092016
		Sample Date	9/19/2016	9/20/2016
		Unit	µg/kg	µg/kg
		Lab SDG	R1609864	R1609909
		Start Depth	0	0
		End Depth	0.17	0.17
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]		
VOCs				
1,1,1-Trichloroethane	71-55-6	680	3.7 U	11 U
1,1,2,2-Tetrachloroethane	79-34-5	NC	3.7 U	11 UJ
1,1,2-Trichloroethane	79-00-5	NC	3.7 U	11 U
1,1-Dichloroethane	75-34-3	270	3.7 U	11 U
1,1-Dichloroethene	75-35-4	330	3.7 U	11 U
1,2,3-Trichlorobenzene	87-61-6	NC	3.7 U	11 UJ
1,2,4-Trichlorobenzene	120-82-1	NC	3.7 U	11 UJ
1,2,4-Trimethylbenzene	95-63-6	3,600	3.7 U	11 UJ
1,2-Dibromo-3-chloropropane	96-12-8	NC	3.7 UJ	11 UJ
1,2-Dibromoethane	106-93-4	NC	3.7 U	11 U
1,2-Dichlorobenzene	95-50-1	1,100	3.7 U	11 UJ
1,2-Dichloroethane	107-06-2	20	3.7 U	11 U
1,2-Dichloropropane	78-87-5	NC	3.7 U	11 U
1,3,5-Trimethylbenzene	108-67-8	8,400	3.7 U	11 UJ
1,3-Dichlorobenzene	541-73-1	2,400	3.7 U	11 UJ
1,4-Dichlorobenzene	106-46-7	1,800	3.7 U	11 UJ
1,4-Dioxane	123-91-1	100	75 R	220 R
2-Butanone	78-93-3	120	3.7 UJ	11 U
2-Hexanone	591-78-6	NC	3.7 UJ	11 U
4-Isopropyltoluene	99-87-6	NC	3.7 U	11 UJ
4-Methyl-2-Pentanone	108-10-1	NC	3.7 UJ	11 U
Acetone	67-64-1	50	4.2	11 U
Benzene	71-43-2	60	3.7 U	11 U
Bromochloromethane	74-97-5	NC	3.7 U	11 U
Bromodichloromethane	75-27-4	NC	3.7 U	11 U
Bromoform	75-25-2	NC	3.7 U	11 U
Bromomethane	74-83-9	NC	3.7 U	11 U
Carbon disulfide	75-15-0	NC	3.7 U	11 U
Carbon Tetrachloride	56-23-5	760	3.7 U	11 U
Chlorobenzene	108-90-7	1,100	3.7 U	11 U
Chloroethane	75-00-3	NC	3.7 U	11 U
Chloroform	67-66-3	370	3.7 U	11 U
Chloromethane	74-87-3	NC	3.7 U	11 U
cis-1,2-Dichloroethene	156-59-2	250	3.7 U	11 U
Cis-1,3-Dichloropropene	10061-01-5	NC	3.7 U	11 U
Cyclohexane	110-82-7	NC	3.7 U	11 UJ
Dibromochloromethane	124-48-1	NC	3.7 U	11 U
Dichlorodifluoromethane	75-71-8	NC	3.7 U	11 U
Ethylbenzene	100-41-4	1,000	3.7 U	11 U
Isopropylbenzene	98-82-8	NC	3.7 U	11 U
M,P-XYLENE	XYLMP	NC	7.5 U	22 U
Methyl Acetate	79-20-9	NC	3.7 U	11 U
Methylcyclohexane	108-87-2	NC	3.7 U	11 UJ
Methylene Chloride	75-09-2	50	3.7 U	11 U
MTBE	1634-04-4	930	3.7 U	11 U
n-Butylbenzene	104-51-8	12,000	3.7 U	11 UJ
n-Propylbenzene	103-65-1	3,900	3.7 U	11 UJ
o-Xylene	95-47-6	NC	3.7 U	11 U
sec-Butylbenzene	135-98-8	11,000	3.7 U	11 UJ
Styrene	100-42-5	NC	3.7 U	11 U
Tert-Butylbenzene	98-06-6	5,900	3.7 U	11 UJ
Tetrachloroethene	127-18-4	1,300	3.7 U	11 U
Toluene	108-88-3	700	3.7 U	11 U
trans-1,2-Dichloroethene	156-60-5	190	3.7 U	11 U
Trans-1,3-Dichloropropene	10061-02-6	NC	3.7 U	11 U
Trichloroethene	79-01-6	470	3.7 U	11 U
Trichlorofluoromethane	75-69-4	NC	3.7 U	11 U
TRICHLOROTRIFLUOROETHANE	26523-64-8	NC	3.7 U	11 U
Vinyl Chloride	75-01-4	20	3.7 U	11 U
Total Xylenes	NA	260	U	U
VOC TIC TOTALS	NA	NC	109.2	88.2

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample

T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.
Exceeds Unrestricted SCO listed in Part 375.

Table 6A - Surface Soil Results Compared to Unrestricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SS-115	SS-121	SS-123	SS-129	SS-131
		Sample ID	SS-115-0-0.17-092016	SS-121-0-0.17-092016	SS-123-0-0.17-092016	SS-129-0-0.17-092016	SS-131-0-0.17-092016
		Sample Date	9/20/2016	9/20/2016	9/20/2016	9/20/2016	9/20/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	R1609909	R1609909	R1609909	R1609909	R1609909
		Start Depth	0	0	0	0	0
		End Depth	0.17	0.17	0.17	0.17	0.17
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]					
VOCs							
1,1,1-Trichloroethane	71-55-6	680	6.2 U	5.2 U	8.3 U	9.1 U	4.7 U
1,1,2,2-Tetrachloroethane	79-34-5	NC	6.2 UJ	5.2 UJ	8.3 UJ	9.1 U	4.7 U
1,1,2-Trichloroethane	79-00-5	NC	6.2 U	5.2 U	8.3 U	9.1 U	4.7 U
1,1-Dichloroethane	75-34-3	270	6.2 U	5.2 U	8.3 U	9.1 U	4.7 U
1,1-Dichloroethene	75-35-4	330	6.2 U	5.2 U	8.3 U	9.1 U	4.7 U
1,2,3-Trichlorobenzene	87-61-6	NC	6.2 UJ	5.2 UJ	8.3 UJ	9.1 U	4.7 U
1,2,4-Trichlorobenzene	120-82-1	NC	6.2 UJ	5.2 UJ	8.3 UJ	9.1 U	4.7 U
1,2,4-Trimethylbenzene	95-63-6	3,600	6.2 UJ	5.2 UJ	8.3 UJ	9.1 U	4.7 U
1,2-Dibromo-3-chloropropane	96-12-8	NC	6.2 UJ	5.2 UJ	8.3 UJ	9.1 UJ	4.7 UJ
1,2-Dibromoethane	106-93-4	NC	6.2 U	5.2 U	8.3 U	9.1 U	4.7 U
1,2-Dichlorobenzene	95-50-1	1,100	6.2 UJ	5.2 UJ	8.3 UJ	9.1 U	4.7 U
1,2-Dichloroethane	107-06-2	20	6.2 U	5.2 U	8.3 U	9.1 U	4.7 U
1,2-Dichloropropane	78-87-5	NC	6.2 U	5.2 U	8.3 U	9.1 U	4.7 U
1,3,5-Trimethylbenzene	108-67-8	8,400	6.2 UJ	5.2 UJ	8.3 UJ	9.1 U	4.7 U
1,3-Dichlorobenzene	541-73-1	2,400	6.2 UJ	5.2 UJ	8.3 UJ	9.1 U	4.7 U
1,4-Dichlorobenzene	106-46-7	1,800	6.2 UJ	5.2 UJ	8.3 UJ	9.1 U	4.7 U
1,4-Dioxane	123-91-1	100	120 R	100 R	170 R	180 R	94 R
2-Butanone	78-93-3	120	6.2 U	5.2 U	8.3 UJ	9.1 UJ	3.3 J
2-Hexanone	591-78-6	NC	6.2 U	5.2 U	8.3 UJ	9.1 UJ	4.7 UJ
4-Isopropyltoluene	99-87-6	NC	6.2 UJ	5.2 UJ	8.3 UJ	9.1 U	4.7 U
4-Methyl-2-Pentanone	108-10-1	NC	6.2 U	5.2 U	8.3 UJ	9.1 UJ	4.7 UJ
Acetone	67-64-1	50	6.2 U	5.2 U	8.3 U	9.9	35
Benzene	71-43-2	60	6.2 U	5.2 U	8.3 U	9.1 U	4.7 U
Bromochloromethane	74-97-5	NC	6.2 U	5.2 U	8.3 U	9.1 U	4.7 U
Bromodichloromethane	75-27-4	NC	6.2 U	5.2 U	8.3 U	9.1 U	4.7 U
Bromoform	75-25-2	NC	6.2 U	5.2 U	8.3 U	9.1 U	4.7 U
Bromomethane	74-83-9	NC	6.2 U	5.2 U	8.3 U	9.1 U	4.7 U
Carbon disulfide	75-15-0	NC	6.2 U	5.2 U	8.3 U	9.1 U	4.7 U
Carbon Tetrachloride	56-23-5	760	6.2 U	5.2 U	8.3 U	9.1 U	4.7 U
Chlorobenzene	108-90-7	1,100	6.2 U	5.2 U	8.3 U	9.1 U	4.7 U
Chloroethane	75-00-3	NC	6.2 U	5.2 U	8.3 U	9.1 U	4.7 U
Chloroform	67-66-3	370	6.2 U	5.2 U	8.3 U	9.1 U	4.7 U
Chloromethane	74-87-3	NC	6.2 U	5.2 U	8.3 U	9.1 U	4.7 U
cis-1,2-Dichloroethene	156-59-2	250	6.2 U	5.2 U	8.3 U	9.1 U	4.7 U
Cis-1,3-Dichloropropene	10061-01-5	NC	6.2 U	5.2 U	8.3 U	9.1 U	4.7 U
Cyclohexane	110-82-7	NC	6.2 UJ	5.2 UJ	8.3 U	9.1 U	4.7 U
Dibromochloromethane	124-48-1	NC	6.2 U	5.2 U	8.3 U	9.1 U	4.7 U
Dichlorodifluoromethane	75-71-8	NC	6.2 U	5.2 U	8.3 U	9.1 U	4.7 U
Ethylbenzene	100-41-4	1,000	6.2 U	5.2 U	8.3 U	9.1 U	4.7 U
Isopropylbenzene	98-82-8	NC	6.2 U	5.2 U	8.3 U	9.1 U	4.7 U
M,P-XYLENE	XYLMP	NC	12 U	10 U	17 U	18 U	9.4 U
Methyl Acetate	79-20-9	NC	6.2 U	5.2 U	8.3 U	9.1 U	2.8 J
Methylcyclohexane	108-87-2	NC	6.2 UJ	5.2 UJ	8.3 U	9.1 U	4.7 U
Methylene Chloride	75-09-2	50	6.2 U	5.2 U	8.3 U	1.8 J	4.7 U
MTBE	1634-04-4	930	6.2 U	5.2 U	8.3 U	9.1 U	1.2 J
n-Butylbenzene	104-51-8	12,000	6.2 UJ	5.2 UJ	8.3 UJ	9.1 U	4.7 U
n-Propylbenzene	103-65-1	3,900	6.2 UJ	5.2 UJ	8.3 UJ	9.1 U	4.7 U
o-Xylene	95-47-6	NC	6.2 U	5.2 U	8.3 U	9.1 U	4.7 U
sec-Butylbenzene	135-98-8	11,000	6.2 UJ	5.2 UJ	8.3 UJ	9.1 U	4.7 U
Styrene	100-42-5	NC	6.2 U	5.2 U	8.3 U	9.1 U	4.7 U
Tert-Butylbenzene	98-06-6	5,900	6.2 UJ	5.2 UJ	8.3 UJ	9.1 U	4.7 U
Tetrachloroethene	127-18-4	1,300	6.2 U	5.2 U	8.3 U	9.1 U	4.7 U
Toluene	108-88-3	700	6.2 U	5.2 U	8.3 U	9.1 U	4.7 U
trans-1,2-Dichloroethene	156-60-5	190	6.2 U	5.2 U	8.3 U	9.1 U	4.7 U
Trans-1,3-Dichloropropene	10061-02-6	NC	6.2 U	5.2 U	8.3 U	9.1 U	4.7 U
Trichloroethene	79-01-6	470	6.2 U	5.2 U	8.3 U	9.1 U	4.7 U
Trichlorofluoromethane	75-69-4	NC	6.2 U	5.2 U	8.3 U	9.1 U	4.7 U
TRICHLOROTRIFLUOROETHANE	26523-64-8	NC	6.2 U	5.2 U	8.3 U	9.1 U	4.7 U
Vinyl Chloride	75-01-4	20	6.2 U	5.2 U	8.3 U	9.1 U	4.7 U
Total Xylenes	NA	260	U	U	U	U	U
VOC TIC TOTALS	NA	NC	50.4	0	66	61.8	58

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample

T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.
Exceeds Unrestricted SCO listed in Part 375.

Table 6A - Surface Soil Results Compared to Unrestricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SS-135	SS-136	SS-140	SS-143	SS-146
		Sample ID	SS-135-0-0.17-091916	SS-136-0-0.17-091916	SS-140-0-0.17-091916	SS-143-0-0.17-091916	SS-146-0-0.17-091916
		Sample Date	9/19/2016	9/19/2016	9/19/2016	9/19/2016	9/19/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	R1609864	R1609864	R1609864	R1609864	R1609864
		Start Depth	0	0	0	0	0
		End Depth	0.17	0.17	0.17	0.17	0.17
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]					
VOCs							
1,1,1-Trichloroethane	71-55-6	680	8.1 U	3.6 U	12 U	4.8 U	4.4 U
1,1,2,2-Tetrachloroethane	79-34-5	NC	8.1 UJ	3.6 U	12 U	4.8 U	4.4 U
1,1,2-Trichloroethane	79-00-5	NC	8.1 U	3.6 U	12 U	4.8 U	4.4 U
1,1-Dichloroethane	75-34-3	270	8.1 U	3.6 U	12 U	4.8 U	4.4 U
1,1-Dichloroethene	75-35-4	330	8.1 U	3.6 U	12 U	4.8 U	4.4 U
1,2,3-Trichlorobenzene	87-61-6	NC	8.1 UJ	3.6 U	12 U	4.8 U	4.4 U
1,2,4-Trichlorobenzene	120-82-1	NC	8.1 UJ	3.6 U	12 U	4.8 U	4.4 U
1,2,4-Trimethylbenzene	95-63-6	3,600	8.1 UJ	3.6 U	5.3 J	4.8 U	4.4 U
1,2-Dibromo-3-chloropropane	96-12-8	NC	8.1 UJ	3.6 U	12 UJ	4.8 U	4.4 U
1,2-Dibromoethane	106-93-4	NC	8.1 U	3.6 U	12 U	4.8 U	4.4 U
1,2-Dichlorobenzene	95-50-1	1,100	8.1 UJ	3.6 U	12 U	4.8 U	4.4 U
1,2-Dichloroethane	107-06-2	20	8.1 U	3.6 U	12 U	4.8 U	4.4 U
1,2-Dichloropropane	78-87-5	NC	8.1 U	3.6 U	12 U	4.8 U	4.4 U
1,3,5-Trimethylbenzene	108-67-8	8,400	8.1 UJ	3.6 U	12 U	4.8 U	4.4 U
1,3-Dichlorobenzene	541-73-1	2,400	8.1 UJ	3.6 U	12 U	4.8 U	4.4 U
1,4-Dichlorobenzene	106-46-7	1,800	8.1 UJ	3.6 U	12 U	4.8 U	4.4 U
1,4-Dioxane	123-91-1	100	160 R	15 J	230 R	97 R	87 R
2-Butanone	78-93-3	120	8.1 UJ	3.6 UJ	12 UJ	4.8 UJ	4.4 UJ
2-Hexanone	591-78-6	NC	8.1 UJ	3.6 UJ	12 UJ	4.8 UJ	4.4 UJ
4-Isopropyltoluene	99-87-6	NC	8.1 UJ	3.6 U	2.6 J	4.8 U	4.4 U
4-Methyl-2-Pentanone	108-10-1	NC	8.1 UJ	3.6 UJ	12 UJ	4.8 UJ	4.4 UJ
Acetone	67-64-1	50	8.1 U	3.6 U	53	4.8 U	25
Benzene	71-43-2	60	8.1 U	3.6 U	12 U	4.8 U	4.4 U
Bromochloromethane	74-97-5	NC	8.1 U	3.6 U	12 U	4.8 U	4.4 U
Bromodichloromethane	75-27-4	NC	8.1 U	3.6 U	12 U	4.8 U	4.4 U
Bromoform	75-25-2	NC	8.1 U	3.6 U	12 U	4.8 U	4.4 U
Bromomethane	74-83-9	NC	8.1 U	3.6 U	12 U	4.8 U	4.4 U
Carbon disulfide	75-15-0	NC	8.1 U	3.6 U	12 U	4.8 U	4.4 U
Carbon Tetrachloride	56-23-5	760	8.1 U	3.6 U	12 U	4.8 U	4.4 U
Chlorobenzene	108-90-7	1,100	8.1 U	3.6 U	12 U	4.8 U	4.4 U
Chloroethane	75-00-3	NC	8.1 U	3.6 U	12 U	4.8 U	4.4 U
Chloroform	67-66-3	370	8.1 U	3.6 U	12 U	4.8 U	4.4 U
Chloromethane	74-87-3	NC	8.1 U	3.6 U	12 U	4.8 U	4.4 U
cis-1,2-Dichloroethene	156-59-2	250	8.1 U	3.6 U	12 U	4.8 U	4.4 U
Cis-1,3-Dichloropropene	10061-01-5	NC	8.1 U	3.6 U	12 U	4.8 U	4.4 U
Cyclohexane	110-82-7	NC	8.1 U	3.6 U	12 U	4.8 U	4.4 U
Dibromochloromethane	124-48-1	NC	8.1 U	3.6 U	12 U	4.8 U	4.4 U
Dichlorodifluoromethane	75-71-8	NC	8.1 U	3.6 U	12 U	4.8 U	4.4 U
Ethylbenzene	100-41-4	1,000	8.1 U	3.6 U	12 U	4.8 U	4.4 U
Isopropylbenzene	98-82-8	NC	8.1 U	3.6 U	2.8 J	4.8 U	4.4 U
M,P-XYLENE	XYLMP	NC	16 U	7.3 U	23 U	9.7 U	8.7 U
Methyl Acetate	79-20-9	NC	8.1 U	3.6 U	7.7 J	4.8 U	4.4 U
Methylcyclohexane	108-87-2	NC	8.1 U	3.6 U	12 U	4.8 U	4.4 U
Methylene Chloride	75-09-2	50	8.1 U	3.6 U	12 U	4.8 U	4.4 U
MTBE	1634-04-4	930	8.1 U	3.6 U	12 U	4.8 U	4.4 U
n-Butylbenzene	104-51-8	12,000	8.1 UJ	3.6 U	12 U	4.8 U	4.4 U
n-Propylbenzene	103-65-1	3,900	8.1 UJ	3.6 U	12 U	4.8 U	4.4 U
o-Xylene	95-47-6	NC	8.1 U	3.6 U	12 U	4.8 U	4.4 U
sec-Butylbenzene	135-98-8	11,000	8.1 UJ	3.6 U	12 U	4.8 U	4.4 U
Styrene	100-42-5	NC	8.1 U	3.6 U	12 U	4.8 U	4.4 U
Tert-Butylbenzene	98-06-6	5,900	8.1 UJ	3.6 U	8.3 J	4.8 U	4.4 U
Tetrachloroethene	127-18-4	1,300	8.1 U	3.6 U	12 U	4.8 U	4.4 U
Toluene	108-88-3	700	8.1 U	3.6 U	12 U	4.8 U	4.4 U
trans-1,2-Dichloroethene	156-60-5	190	8.1 U	3.6 U	12 U	4.8 U	4.4 U
Trans-1,3-Dichloropropene	10061-02-6	NC	8.1 U	3.6 U	12 U	4.8 U	4.4 U
Trichloroethene	79-01-6	470	8.1 U	3.6 U	12 U	4.8 U	4.4 U
Trichlorofluoromethane	75-69-4	NC	8.1 U	3.6 U	12 U	4.8 U	4.4 U
TRICHLOROTRIFLUOROETHANE	26523-64-8	NC	8.1 U	3.6 U	12 U	4.8 U	4.4 U
Vinyl Chloride	75-01-4	20	8.1 U	3.6 U	12 U	4.8 U	4.4 U
Total Xylenes	NA	260	U	U	U	U	U
VOC TIC TOTALS	NA	NC	0	77	0	19.9	101.4

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample

T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.
Exceeds Unrestricted SCO listed in Part 375.

Table 6A - Surface Soil Results Compared to Unrestricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SS-148	SS-150	SS-150	SS-152	SS-153
		Sample ID	SS-148-0-0.17-092016	DUP-006-091916	SS-150-0-0.17-091916	SS-152-0-0.17-091916	SS-153-0-0.17-091916
		Sample Date	9/20/2016	9/19/2016	9/19/2016	9/19/2016	9/19/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	R1609909	R1609864	R1609864	R1609864	R1609864
		Start Depth	0	0	0	0	0
		End Depth	0.17	0.17	0.17	0.17	0.17
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]					
VOCs							
1,1,1-Trichloroethane	71-55-6	680	6.2 U	3.8 U	3.1 U	5 U	4.6 U
1,1,2,2-Tetrachloroethane	79-34-5	NC	6.2 U	3.8 U	3.1 U	5 U	4.6 U
1,1,2-Trichloroethane	79-00-5	NC	6.2 UJ	3.8 U	3.1 U	5 U	4.6 U
1,1-Dichloroethane	75-34-3	270	6.2 U	3.8 U	3.1 U	5 U	4.6 U
1,1-Dichloroethene	75-35-4	330	6.2 U	3.8 U	3.1 U	5 U	4.6 U
1,2,3-Trichlorobenzene	87-61-6	NC	6.2 U	3.8 U	3.1 U	5 U	4.6 U
1,2,4-Trichlorobenzene	120-82-1	NC	6.2 U	3.8 U	3.1 U	5 U	4.6 U
1,2,4-Trimethylbenzene	95-63-6	3,600	6.2 U	3.8 U	3.1 U	5 U	4.6 U
1,2-Dibromo-3-chloropropane	96-12-8	NC	6.2 UJ	3.8 U	3.1 U	5 U	4.6 U
1,2-Dibromoethane	106-93-4	NC	6.2 UJ	3.8 U	3.1 U	5 U	4.6 U
1,2-Dichlorobenzene	95-50-1	1,100	6.2 U	3.8 U	3.1 U	5 U	4.6 U
1,2-Dichloroethane	107-06-2	20	6.2 U	3.8 U	3.1 U	5 U	4.6 U
1,2-Dichloropropane	78-87-5	NC	6.2 U	3.8 U	3.1 U	5 U	4.6 U
1,3,5-Trimethylbenzene	108-67-8	8,400	6.2 U	3.8 U	3.1 U	5 U	4.6 U
1,3-Dichlorobenzene	541-73-1	2,400	6.2 U	3.8 U	3.1 U	5 U	4.6 U
1,4-Dichlorobenzene	106-46-7	1,800	6.2 U	3.8 U	3.1 U	5 U	4.6 U
1,4-Dioxane	123-91-1	100	120 R	77 R	63 R	100 R	91 R
2-Butanone	78-93-3	120	6.2 UJ	3.8 UJ	3.1 UJ	5 UJ	4.6 UJ
2-Hexanone	591-78-6	NC	6.2 R	3.8 UJ	3.1 UJ	5 UJ	4.6 UJ
4-Isopropyltoluene	99-87-6	NC	6.2 U	3.8 U	3.1 U	5 U	4.6 U
4-Methyl-2-Pentanone	108-10-1	NC	6.2 UJ	3.8 UJ	3.1 UJ	5 UJ	4.6 UJ
Acetone	67-64-1	50	6.2 U	3.8 U	11	37	4.6 U
Benzene	71-43-2	60	6.2 U	3.8 U	3.1 U	5 U	4.6 U
Bromochloromethane	74-97-5	NC	6.2 U	3.8 U	3.1 U	5 U	4.6 U
Bromodichloromethane	75-27-4	NC	6.2 U	3.8 U	3.1 U	5 U	4.6 U
Bromoform	75-25-2	NC	6.2 U	3.8 U	3.1 U	5 U	4.6 U
Bromomethane	74-83-9	NC	6.2 R	3.8 U	3.1 U	5 U	4.6 U
Carbon disulfide	75-15-0	NC	6.2 U	3.8 U	3.1 U	5 U	4.6 U
Carbon Tetrachloride	56-23-5	760	6.2 U	3.8 U	3.1 U	5 U	4.6 U
Chlorobenzene	108-90-7	1,100	6.2 UJ	3.8 U	3.1 U	5 U	4.6 U
Chloroethane	75-00-3	NC	6.2 U	3.8 U	3.1 U	5 U	4.6 U
Chloroform	67-66-3	370	6.2 U	3.8 U	3.1 U	5 U	4.6 U
Chloromethane	74-87-3	NC	6.2 U	3.8 U	3.1 U	5 U	4.6 U
cis-1,2-Dichloroethene	156-59-2	250	6.2 U	3.8 U	3.1 U	5 U	4.6 U
Cis-1,3-Dichloropropene	10061-01-5	NC	6.2 UJ	3.8 U	3.1 U	5 U	4.6 U
Cyclohexane	110-82-7	NC	6.2 U	3.8 U	3.1 U	5 U	4.6 U
Dibromochloromethane	124-48-1	NC	6.2 U	3.8 U	3.1 U	5 U	4.6 U
Dichlorodifluoromethane	75-71-8	NC	6.2 U	3.8 U	3.1 U	5 U	4.6 U
Ethylbenzene	100-41-4	1,000	6.2 U	3.8 U	3.1 U	5 U	4.6 U
Isopropylbenzene	98-82-8	NC	6.2 U	3.8 U	3.1 U	5 U	4.6 U
M,P-XYLENE	XYLMP	NC	12 U	7.7 U	6.3 U	10 U	9.1 U
Methyl Acetate	79-20-9	NC	6.2 R	3.8 U	3.1 U	5 U	4.6 U
Methylcyclohexane	108-87-2	NC	6.2 U	3.8 U	3.1 U	5 U	4.6 U
Methylene Chloride	75-09-2	50	6.2 U	3.8 U	3.1 U	5 U	4.6 U
MTBE	1634-04-4	930	6.2 U	3.8 U	3.1 U	5 U	4.6 U
n-Butylbenzene	104-51-8	12,000	6.2 U	3.8 U	3.1 U	5 U	4.6 U
n-Propylbenzene	103-65-1	3,900	6.2 U	3.8 U	3.1 U	5 U	4.6 U
o-Xylene	95-47-6	NC	6.2 U	3.8 U	3.1 U	5 U	4.6 U
sec-Butylbenzene	135-98-8	11,000	6.2 U	3.8 U	3.1 U	5 U	4.6 U
Styrene	100-42-5	NC	6.2 UJ	3.8 U	3.1 U	5 U	4.6 U
Tert-Butylbenzene	98-06-6	5,900	6.2 U	3.8 U	3.1 U	5 U	4.6 U
Tetrachloroethene	127-18-4	1,300	6.2 U	3.8 U	3.1 U	5 U	4.6 U
Toluene	108-88-3	700	6.2 U	3.8 U	3.1 U	5 U	4.6 U
trans-1,2-Dichloroethene	156-60-5	190	6.2 U	3.8 U	3.1 U	5 U	4.6 U
Trans-1,3-Dichloropropene	10061-02-6	NC	6.2 UJ	3.8 U	3.1 U	5 U	4.6 U
Trichloroethene	79-01-6	470	6.2 U	3.8 U	3.1 U	5 U	4.6 U
Trichlorofluoromethane	75-69-4	NC	6.2 U	3.8 U	3.1 U	5 U	4.6 U
TRICHLOROTRIFLUOROETHANE	26523-64-8	NC	6.2 U	3.8 U	3.1 U	5 U	4.6 U
Vinyl Chloride	75-01-4	20	6.2 U	3.8 U	3.1 U	5 U	4.6 U
Total Xylenes	NA	260	U	U	U	U	U
VOC TIC TOTALS	NA	NC	15.9	61.1	62.4	100.4	11

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample

T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.
Exceeds Unrestricted SCO listed in Part 375.

Table 6A1 - Existing Surface Cover Soil Results Compared to Unrestricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SS-100	SS-101	SS-102	SS-103	SS-104
		Sample ID	SS-100-0-0.17-092016	SS-101-0-0.17-092016	SS-102-0-0.17-092016	SS-103-0-0.17-092016	SS-104-0-0.17-091916
		Sample Date	9/20/2016	9/20/2016	9/20/2016	9/20/2016	9/19/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	R1609909	R1609909	R1609909	R1609909	R1609864
		Start Depth	0	0	0	0	0
		End Depth	0.17	0.17	0.17	0.17	0.17
Chemical Name	**CAS #**	**NY Part 375 Unrestricted SCO[1]**					
VOCs							
1,1,1-Trichloroethane	71-55-6	680	13 U	4.9 U	5.1 U	6.4 U	7.6 U
1,1,2,2-Tetrachloroethane	79-34-5	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 UJ
1,1,2-Trichloroethane	79-00-5	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 U
1,1-Dichloroethane	75-34-3	270	13 U	4.9 U	5.1 U	6.4 U	7.6 U
1,1-Dichloroethene	75-35-4	330	13 U	4.9 U	5.1 U	6.4 U	7.6 U
1,2,3-Trichlorobenzene	87-61-6	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 UJ
1,2,4-Trichlorobenzene	120-82-1	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 UJ
1,2,4-Trimethylbenzene	95-63-6	3,600	13 U	4.9 U	5.1 U	6.4 U	7.6 UJ
1,2-Dibromo-3-chloropropane	96-12-8	NC	13 U	4.9 UJ	5.1 UJ	6.4 UJ	7.6 UJ
1,2-Dibromoethane	106-93-4	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 U
1,2-Dichlorobenzene	95-50-1	1,100	13 U	4.9 U	5.1 U	6.4 U	7.6 UJ
1,2-Dichloroethane	107-06-2	20	13 U	4.9 U	5.1 U	6.4 U	7.6 U
1,2-Dichloropropane	78-87-5	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 U
1,3,5-Trimethylbenzene	108-67-8	8,400	13 U	4.9 U	5.1 U	6.4 U	7.6 UJ
1,3-Dichlorobenzene	541-73-1	2,400	13 U	4.9 U	5.1 U	6.4 U	7.6 UJ
1,4-Dichlorobenzene	106-46-7	1,800	13 U	4.9 U	5.1 U	6.4 U	7.6 UJ
1,4-Dioxane	123-91-1	100	250 R	98 R	100 R	130 R	150 R
2-Butanone	78-93-3	120	13 UJ	4.9 UJ	5.1 UJ	6.4 UJ	7.6 UJ
2-Hexanone	591-78-6	NC	13 UJ	4.9 UJ	5.1 UJ	6.4 UJ	7.6 UJ
4-Isopropyltoluene	99-87-6	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 UJ
4-Methyl-2-Pentanone	108-10-1	NC	13 UJ	4.9 UJ	5.1 UJ	6.4 UJ	7.6 UJ
Acetone	67-64-1	50	130	4.9 U	9.4	6.4 U	14
Benzene	71-43-2	60	13 U	4.9 U	5.1 U	6.4 U	7.6 U
Bromochloromethane	74-97-5	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 U
Bromodichloromethane	75-27-4	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 U
Bromoform	75-25-2	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 U
Bromomethane	74-83-9	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 U
Carbon disulfide	75-15-0	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 U
Carbon Tetrachloride	56-23-5	760	13 U	4.9 U	5.1 U	6.4 U	7.6 U
Chlorobenzene	108-90-7	1,100	13 U	4.9 U	5.1 U	6.4 U	7.6 U
Chloroethane	75-00-3	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 U
Chloroform	67-66-3	370	13 U	4.9 U	5.1 U	6.4 U	7.6 U
Chloromethane	74-87-3	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 U
cis-1,2-Dichloroethene	156-59-2	250	13 U	4.9 U	5.1 U	6.4 U	7.6 U
Cis-1,3-Dichloropropene	10061-01-5	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 U
Cyclohexane	110-82-7	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 U
Dibromochloromethane	124-48-1	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 U
Dichlorodifluoromethane	75-71-8	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 U
Ethylbenzene	100-41-4	1,000	13 U	4.9 U	5.1 U	6.4 U	7.6 U
Isopropylbenzene	98-82-8	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 U
M,P-XYLENE	XYLMP	NC	25 U	9.8 U	10 U	13 U	15 U
Methyl Acetate	79-20-9	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 U
Methylcyclohexane	108-87-2	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 U
Methylene Chloride	75-09-2	50	13 U	4.9 U	5.1 U	0.75 J	7.6 U
MTBE	1634-04-4	930	5.8 J	4.9 U	5.1 U	6.4 U	7.6 U
n-Butylbenzene	104-51-8	12,000	13 U	4.9 U	5.1 U	6.4 U	7.6 UJ
n-Propylbenzene	103-65-1	3,900	13 U	4.9 U	5.1 U	6.4 U	7.6 UJ
o-Xylene	95-47-6	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 U
sec-Butylbenzene	135-98-8	11,000	13 U	4.9 U	5.1 U	6.4 U	7.6 UJ
Styrene	100-42-5	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 U
Tert-Butylbenzene	98-06-6	5,900	13 U	4.9 U	5.1 U	6.4 U	7.6 UJ
Tetrachloroethene	127-18-4	1,300	13 U	4.9 U	5.1 U	6.4 U	7.6 U
Toluene	108-88-3	700	13 U	4.9 U	5.1 U	6.4 U	7.6 U
trans-1,2-Dichloroethene	156-60-5	190	13 U	4.9 U	5.1 U	6.4 U	7.6 U
Trans-1,3-Dichloropropene	10061-02-6	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 U
Trichloroethene	79-01-6	470	13 U	4.9 U	5.1 U	6.4 U	7.6 U
Trichlorofluoromethane	75-69-4	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 U
TRICHLOROTRIFLUOROETHANE	26523-64-8	NC	13 U	4.9 U	5.1 U	6.4 U	7.6 U
Vinyl Chloride	75-01-4	20	13 U	4.9 U	5.1 U	6.4 U	7.6 U
Total Xylenes	NA	260	U	U	U	U	U
VOC TIC TOTALS	NA	NC	191	119.7	52.2	0	79

Notes:

NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample

T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.

[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 6A1 - Existing Surface Cover Soil Results Compared to Unrestricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SS-105	SS-106	SS-107	SS-108	SS-110
		Sample ID	SS-105-0-0.17-091916	SS-106-0-0.17-091916	SS-107-0-0.17-091916	SS-108-0-0.17-091916	SS-110-1-2-092116
		Sample Date	9/19/2016	9/19/2016	9/19/2016	9/19/2016	9/21/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	R1609864	R1609864	R1609864	R1609864	R1609954
		Start Depth	0	0	0	0	1
		End Depth	0.17	0.17	0.17	0.17	2
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]					
VOCs							
1,1,1-Trichloroethane	71-55-6	680	8.4 U	13 U	4.8 U	3.1 U	5.2 UJ
1,1,2,2-Tetrachloroethane	79-34-5	NC	8.4 UJ	13 U	4.8 U	3.1 U	5.2 UJ
1,1,2-Trichloroethane	79-00-5	NC	8.4 U	13 U	4.8 U	3.1 U	5.2 UJ
1,1-Dichloroethane	75-34-3	270	8.4 U	13 U	4.8 U	3.1 U	5.2 UJ
1,1-Dichloroethene	75-35-4	330	8.4 U	13 U	4.8 U	3.1 U	5.2 UJ
1,2,3-Trichlorobenzene	87-61-6	NC	8.4 UJ	13 U	4.8 U	3.1 U	5.2 UJ
1,2,4-Trichlorobenzene	120-82-1	NC	8.4 UJ	13 U	4.8 U	3.1 U	5.2 UJ
1,2,4-Trimethylbenzene	95-63-6	3,600	8.4 UJ	13 U	4.8 U	3.1 U	5.2 UJ
1,2-Dibromo-3-chloropropane	96-12-8	NC	8.4 UJ	13 U	4.8 U	3.1 U	5.2 UJ
1,2-Dibromoethane	106-93-4	NC	8.4 U	13 U	4.8 U	3.1 U	5.2 UJ
1,2-Dichlorobenzene	95-50-1	1,100	8.4 UJ	13 U	4.8 U	3.1 U	5.2 UJ
1,2-Dichloroethane	107-06-2	20	8.4 U	13 U	4.8 U	3.1 U	5.2 UJ
1,2-Dichloropropane	78-87-5	NC	8.4 U	13 U	4.8 U	3.1 U	5.2 UJ
1,3,5-Trimethylbenzene	108-67-8	8,400	8.4 UJ	13 U	4.8 U	3.1 U	5.2 UJ
1,3-Dichlorobenzene	541-73-1	2,400	8.4 UJ	13 U	4.8 U	3.1 U	5.2 UJ
1,4-Dichlorobenzene	106-46-7	1,800	8.4 UJ	13 U	4.8 U	3.1 U	5.2 UJ
1,4-Dioxane	123-91-1	100	170 R	250 R	95 R	61 R	100 R
2-Butanone	78-93-3	120	4 J	6.3 J	4.8 UJ	3.1 UJ	5.2 UJ
2-Hexanone	591-78-6	NC	8.4 UJ	13 J	4.8 UJ	3.1 UJ	5.2 UJ
4-Isopropyltoluene	99-87-6	NC	8.4 UJ	13 U	4.8 U	3.1 U	5.2 UJ
4-Methyl-2-Pentanone	108-10-1	NC	8.4 UJ	13 J	4.8 UJ	3.1 UJ	5.2 UJ
Acetone	67-64-1	50	42	46	4.8 U	3.1 U	5.2 UJ
Benzene	71-43-2	60	8.4 U	13 U	4.8 U	3.1 U	5.2 UJ
Bromochloromethane	74-97-5	NC	8.4 U	13 U	4.8 U	3.1 U	5.2 UJ
Bromodichloromethane	75-27-4	NC	8.4 U	13 U	4.8 U	3.1 U	5.2 UJ
Bromoform	75-25-2	NC	8.4 U	13 U	4.8 U	3.1 U	5.2 UJ
Bromomethane	74-83-9	NC	8.4 U	13 U	4.8 U	3.1 U	5.2 UJ
Carbon disulfide	75-15-0	NC	8.4 U	13 U	4.8 U	3.1 U	3.7 J
Carbon Tetrachloride	56-23-5	760	8.4 U	13 U	4.8 U	3.1 U	5.2 UJ
Chlorobenzene	108-90-7	1,100	8.4 U	13 U	4.8 U	3.1 U	5.2 UJ
Chloroethane	75-00-3	NC	8.4 U	13 U	4.8 U	3.1 U	5.2 UJ
Chloroform	67-66-3	370	8.4 U	13 U	4.8 U	3.1 U	5.2 UJ
Chloromethane	74-87-3	NC	8.4 U	13 U	4.8 U	3.1 U	5.2 UJ
cis-1,2-Dichloroethene	156-59-2	250	8.4 U	13 U	4.8 U	3.1 U	5.2 UJ
Cis-1,3-Dichloropropene	10061-01-5	NC	8.4 U	13 U	4.8 U	3.1 U	5.2 UJ
Cyclohexane	110-82-7	NC	8.4 U	13 U	4.8 U	3.1 U	5.2 UJ
Dibromochloromethane	124-48-1	NC	8.4 U	13 U	4.8 U	3.1 U	5.2 UJ
Dichlorodifluoromethane	75-71-8	NC	8.4 U	13 U	4.8 U	3.1 U	5.2 UJ
Ethylbenzene	100-41-4	1,000	8.4 U	13 U	4.8 U	3.1 U	5.2 UJ
Isopropylbenzene	98-82-8	NC	8.4 U	13 U	4.8 U	3.1 U	5.2 UJ
M,P-XYLENE	XYLMP	NC	17 U	25 U	9.5 U	6.1 U	10 UJ
Methyl Acetate	79-20-9	NC	8.4 U	13 U	4.8 U	3.1 U	5.2 UJ
Methylcyclohexane	108-87-2	NC	8.4 U	13 U	4.8 U	3.1 U	1.3 J
Methylene Chloride	75-09-2	50	8.4 U	13 U	4.8 U	3.1 U	3.5 J
MTBE	1634-04-4	930	8.4 U	13 U	4.8 U	3.1 U	5.2 UJ
n-Butylbenzene	104-51-8	12,000	8.4 UJ	13 U	4.8 U	3.1 U	5.2 UJ
n-Propylbenzene	103-65-1	3,900	8.4 UJ	13 U	4.8 U	3.1 U	5.2 UJ
o-Xylene	95-47-6	NC	8.4 U	13 U	4.8 U	3.1 U	5.2 UJ
sec-Butylbenzene	135-98-8	11,000	8.4 UJ	13 U	4.8 U	3.1 U	5.2 UJ
Styrene	100-42-5	NC	8.4 U	13 U	4.8 U	3.1 U	5.2 UJ
Tert-Butylbenzene	98-06-6	5,900	8.4 UJ	13 U	4.8 U	3.1 U	5.2 UJ
Tetrachloroethene	127-18-4	1,300	8.4 U	13 U	4.8 U	3.1 U	5.2 UJ
Toluene	108-88-3	700	8.4 U	13 U	4.8 U	3.1 U	5.2 UJ
trans-1,2-Dichloroethene	156-60-5	190	8.4 U	13 U	4.8 U	3.1 U	5.2 UJ
Trans-1,3-Dichloropropene	10061-02-6	NC	8.4 U	13 U	4.8 U	3.1 U	5.2 UJ
Trichloroethene	79-01-6	470	8.4 U	13 U	4.8 U	3.1 U	5.2 UJ
Trichlorofluoromethane	75-69-4	NC	8.4 U	13 U	4.8 U	3.1 U	5.2 UJ
TRICHLOROTRIFLUOROETHANE	26523-64-8	NC	8.4 U	13 U	4.8 U	3.1 U	5.2 UJ
Vinyl Chloride	75-01-4	20	8.4 U	13 U	4.8 U	3.1 U	5.2 UJ
Total Xylenes	NA	260	U	U	U	U	U
VOC TIC TOTALS	NA	NC	19.5	71	67.8	23.5	160

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample

T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.

[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 6A1 - Existing Surface Cover Soil Results Compared to Unrestricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SS-111	SS-112	SS-113	SS-113	SS-114
		Sample ID	SS-111-0-0.17-091916	SS-112-0-0.17-091916	DUP-005-092116	SS-113-1-2-092116	SS-114-0-0.17-092016
		Sample Date	9/19/2016	9/19/2016	9/21/2016	9/21/2016	9/20/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	R1609864	R1609864	R1609954	R1609954	R1609909
		Start Depth	0	0	1	1	0
		End Depth	0.17	0.17	2	2	0.17
Chemical Name	**CAS #**	**NY Part 375 Unrestricted SCO[1]**					
VOCs							
1,1,1-Trichloroethane	71-55-6	680	7.5 U	3.7 U	3.6 U	6.2 U	11 U
1,1,2,2-Tetrachloroethane	79-34-5	NC	7.5 U	3.7 U	3.6 U	6.2 U	11 UJ
1,1,2-Trichloroethane	79-00-5	NC	7.5 U	3.7 U	3.6 U	6.2 U	11 U
1,1-Dichloroethane	75-34-3	270	7.5 U	3.7 U	3.6 U	6.2 U	11 U
1,1-Dichloroethene	75-35-4	330	7.5 U	3.7 U	3.6 U	6.2 U	11 U
1,2,3-Trichlorobenzene	87-61-6	NC	7.5 U	3.7 U	3.6 U	6.2 U	11 UJ
1,2,4-Trichlorobenzene	120-82-1	NC	7.5 U	3.7 U	3.6 U	6.2 U	11 UJ
1,2,4-Trimethylbenzene	95-63-6	3,600	7.5 U	3.7 U	3.6 U	6.2 U	11 UJ
1,2-Dibromo-3-chloropropane	96-12-8	NC	7.5 U	3.7 UJ	3.6 U	6.2 U	11 UJ
1,2-Dibromoethane	106-93-4	NC	7.5 U	3.7 U	3.6 U	6.2 U	11 U
1,2-Dichlorobenzene	95-50-1	1,100	7.5 U	3.7 U	3.6 U	6.2 U	11 UJ
1,2-Dichloroethane	107-06-2	20	7.5 U	3.7 U	3.6 U	6.2 U	11 U
1,2-Dichloropropane	78-87-5	NC	7.5 U	3.7 U	3.6 U	6.2 U	11 U
1,3,5-Trimethylbenzene	108-67-8	8,400	7.5 U	3.7 U	3.6 U	6.2 U	11 UJ
1,3-Dichlorobenzene	541-73-1	2,400	7.5 U	3.7 U	3.6 U	6.2 U	11 UJ
1,4-Dichlorobenzene	106-46-7	1,800	7.5 U	3.7 U	3.6 U	6.2 U	11 UJ
1,4-Dioxane	123-91-1	100	150 R	75 R	72 R	120 R	220 R
2-Butanone	78-93-3	120	5.8 J	3.7 UJ	3.6 U	6.2 U	11 U
2-Hexanone	591-78-6	NC	7.5 UJ	3.7 UJ	3.6 U	6.2 U	11 U
4-Isopropyltoluene	99-87-6	NC	7.5 U	3.7 U	3.6 U	6.2 U	11 UJ
4-Methyl-2-Pentanone	108-10-1	NC	7.5 UJ	3.7 UJ	3.6 U	6.2 U	11 U
Acetone	67-64-1	50	100	4.2	3.6 U	6.2 U	11 U
Benzene	71-43-2	60	7.5 U	3.7 U	3.6 U	6.2 U	11 U
Bromochloromethane	74-97-5	NC	7.5 U	3.7 U	3.6 U	6.2 U	11 U
Bromodichloromethane	75-27-4	NC	7.5 U	3.7 U	3.6 U	6.2 U	11 U
Bromoform	75-25-2	NC	7.5 U	3.7 U	3.6 U	6.2 U	11 U
Bromomethane	74-83-9	NC	7.5 U	3.7 U	3.6 U	6.2 U	11 U
Carbon disulfide	75-15-0	NC	7.5 U	3.7 U	3.6 U	6.2 U	11 U
Carbon Tetrachloride	56-23-5	760	7.5 U	3.7 U	3.6 U	6.2 U	11 U
Chlorobenzene	108-90-7	1,100	7.5 U	3.7 U	3.6 U	6.2 U	11 U
Chloroethane	75-00-3	NC	7.5 U	3.7 U	3.6 U	6.2 U	11 U
Chloroform	67-66-3	370	7.5 U	3.7 U	3.6 U	6.2 U	11 U
Chloromethane	74-87-3	NC	7.5 U	3.7 U	3.6 U	6.2 U	11 U
cis-1,2-Dichloroethene	156-59-2	250	7.5 U	3.7 U	3.6 U	6.2 U	11 U
Cis-1,3-Dichloropropene	10061-01-5	NC	7.5 U	3.7 U	3.6 U	6.2 U	11 U
Cyclohexane	110-82-7	NC	7.5 U	3.7 U	3.6 UJ	6.2 UJ	11 UJ
Dibromochloromethane	124-48-1	NC	7.5 U	3.7 U	3.6 U	6.2 U	11 U
Dichlorodifluoromethane	75-71-8	NC	7.5 U	3.7 U	3.6 U	6.2 U	11 U
Ethylbenzene	100-41-4	1,000	7.5 U	3.7 U	3.6 U	6.2 U	11 U
Isopropylbenzene	98-82-8	NC	7.5 U	3.7 U	3.6 U	6.2 U	11 U
M,P-XYLENE	XYLMP	NC	15 U	7.5 U	7.2 U	12 U	22 U
Methyl Acetate	79-20-9	NC	7.5 U	3.7 U	3.6 U	6.2 U	11 U
Methylcyclohexane	108-87-2	NC	7.5 U	3.7 U	3.6 UJ	6.2 UJ	11 UJ
Methylene Chloride	75-09-2	50	7.5 U	3.7 U	0.86 J	2.9 J	11 U
MTBE	1634-04-4	930	1.7 J	3.7 U	0.76 J	6.2 U	11 U
n-Butylbenzene	104-51-8	12,000	7.5 U	3.7 U	3.6 U	6.2 U	11 UJ
n-Propylbenzene	103-65-1	3,900	7.5 U	3.7 U	3.6 U	6.2 U	11 UJ
o-Xylene	95-47-6	NC	7.5 U	3.7 U	3.6 U	6.2 U	11 U
sec-Butylbenzene	135-98-8	11,000	7.5 U	3.7 U	3.6 U	6.2 U	11 UJ
Styrene	100-42-5	NC	7.5 U	3.7 U	3.6 U	6.2 U	11 U
Tert-Butylbenzene	98-06-6	5,900	7.5 U	3.7 U	3.6 U	6.2 U	11 UJ
Tetrachloroethene	127-18-4	1,300	7.5 U	3.7 U	3.6 U	6.2 U	11 U
Toluene	108-88-3	700	7.5 U	3.7 U	3.6 U	6.2 U	11 U
trans-1,2-Dichloroethene	156-60-5	190	7.5 U	3.7 U	3.6 U	6.2 U	11 U
Trans-1,3-Dichloropropene	10061-02-6	NC	7.5 U	3.7 U	3.6 U	6.2 U	11 U
Trichloroethene	79-01-6	470	7.5 U	3.7 U	3.6 U	6.2 U	11 U
Trichlorofluoromethane	75-69-4	NC	7.5 U	3.7 U	3.6 U	6.2 U	11 U
TRICHLOROTRIFLUOROETHANE	26523-64-8	NC	7.5 U	3.7 U	3.6 U	6.2 U	11 U
Vinyl Chloride	75-01-4	20	7.5 U	3.7 U	3.6 U	6.2 U	11 U
Total Xylenes	NA	260	U	U	U	U	U
VOC TIC TOTALS	NA	NC	254.6	109.2	112.5	22.4	88.2

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample

T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.

[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 6A1 - Existing Surface Cover Soil Results Compared to Unrestricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SS-115	SS-117	SS-118	SS-120	SS-121
		Sample ID	SS-115-0-0.17-092016	SS-117-1-1.5-092116	SS-118-1-2-092116	SS-120-0.5-1-092116	SS-121-0-0.17-092016
		Sample Date	9/20/2016	9/21/2016	9/21/2016	9/21/2016	9/20/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	R1609909	R1609954	R1609954	R1609954	R1609909
		Start Depth	0	1	1	0.5	0
		End Depth	0.17	1.5	2	1	0.17
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]					
VOCs							
1,1,1-Trichloroethane	71-55-6	680	6.2 U	4.3 U	2.8 U	3.5 U	5.2 U
1,1,2,2-Tetrachloroethane	79-34-5	NC	6.2 UJ	4.3 UJ	2.8 U	3.5 U	5.2 UJ
1,1,2-Trichloroethane	79-00-5	NC	6.2 U	4.3 U	2.8 U	3.5 U	5.2 U
1,1-Dichloroethane	75-34-3	270	6.2 U	4.3 U	2.8 U	3.5 U	5.2 U
1,1-Dichloroethene	75-35-4	330	6.2 U	4.3 U	2.8 U	3.5 U	5.2 U
1,2,3-Trichlorobenzene	87-61-6	NC	6.2 UJ	4.3 UJ	2.8 U	3.5 U	5.2 UJ
1,2,4-Trichlorobenzene	120-82-1	NC	6.2 UJ	4.3 UJ	2.8 U	3.5 U	5.2 UJ
1,2,4-Trimethylbenzene	95-63-6	3,600	6.2 UJ	4.3 UJ	2.8 U	3.5 U	5.2 UJ
1,2-Dibromo-3-chloropropane	96-12-8	NC	6.2 UJ	4.3 UJ	2.8 U	3.5 U	5.2 UJ
1,2-Dibromoethane	106-93-4	NC	6.2 U	4.3 U	2.8 U	3.5 U	5.2 U
1,2-Dichlorobenzene	95-50-1	1,100	6.2 UJ	4.3 UJ	2.8 U	3.5 U	5.2 UJ
1,2-Dichloroethane	107-06-2	20	6.2 U	4.3 U	2.8 U	3.5 U	5.2 U
1,2-Dichloropropane	78-87-5	NC	6.2 U	4.3 U	2.8 U	3.5 U	5.2 U
1,3,5-Trimethylbenzene	108-67-8	8,400	6.2 UJ	4.3 UJ	2.8 U	3.5 U	5.2 UJ
1,3-Dichlorobenzene	541-73-1	2,400	6.2 UJ	4.3 UJ	2.8 U	3.5 U	5.2 UJ
1,4-Dichlorobenzene	106-46-7	1,800	6.2 UJ	4.3 UJ	2.8 U	3.5 U	5.2 UJ
1,4-Dioxane	123-91-1	100	120 R	85 R	55 R	70 R	100 R
2-Butanone	78-93-3	120	6.2 U	4.3 U	2.8 U	3.5 U	5.2 U
2-Hexanone	591-78-6	NC	6.2 U	4.3 U	2.8 U	3.5 U	5.2 U
4-Isopropyltoluene	99-87-6	NC	6.2 UJ	4.3 UJ	2.8 U	3.5 U	5.2 UJ
4-Methyl-2-Pentanone	108-10-1	NC	6.2 U	4.3 U	2.8 U	3.5 U	5.2 U
Acetone	67-64-1	50	6.2 U	4.3 U	2.8 U	3.5 U	5.2 U
Benzene	71-43-2	60	6.2 U	4.3 U	2.8 U	3.5 U	5.2 U
Bromochloromethane	74-97-5	NC	6.2 U	4.3 U	2.8 U	3.5 U	5.2 U
Bromodichloromethane	75-27-4	NC	6.2 U	4.3 U	2.8 U	3.5 U	5.2 U
Bromoform	75-25-2	NC	6.2 U	4.3 U	2.8 U	3.5 U	5.2 U
Bromomethane	74-83-9	NC	6.2 U	4.3 U	2.8 U	3.5 U	5.2 U
Carbon disulfide	75-15-0	NC	6.2 U	4.3 U	2.8 U	3.5 U	5.2 U
Carbon Tetrachloride	56-23-5	760	6.2 U	4.3 U	2.8 U	3.5 U	5.2 U
Chlorobenzene	108-90-7	1,100	6.2 U	4.3 U	2.8 U	3.5 U	5.2 U
Chloroethane	75-00-3	NC	6.2 U	4.3 U	2.8 U	3.5 U	5.2 U
Chloroform	67-66-3	370	6.2 U	4.3 U	2.8 U	3.5 U	5.2 U
Chloromethane	74-87-3	NC	6.2 U	4.3 U	2.8 U	3.5 U	5.2 U
cis-1,2-Dichloroethene	156-59-2	250	6.2 U	4.3 U	2.8 U	3.5 U	5.2 U
Cis-1,3-Dichloropropene	10061-01-5	NC	6.2 U	4.3 U	2.8 U	3.5 U	5.2 U
Cyclohexane	110-82-7	NC	6.2 UJ	4.3 UJ	2.8 UJ	3.5 UJ	5.2 UJ
Dibromochloromethane	124-48-1	NC	6.2 U	4.3 U	2.8 U	3.5 U	5.2 U
Dichlorodifluoromethane	75-71-8	NC	6.2 U	4.3 U	2.8 U	3.5 U	5.2 U
Ethylbenzene	100-41-4	1,000	6.2 U	4.3 U	2.8 U	3.5 U	5.2 U
Isopropylbenzene	98-82-8	NC	6.2 U	4.3 U	2.8 U	3.5 U	5.2 U
M,P-XYLENE	XYLMP	NC	12 U	8.5 U	5.5 U	7 U	10 U
Methyl Acetate	79-20-9	NC	6.2 U	4.3 U	2.8 U	3.5 U	5.2 U
Methylcyclohexane	108-87-2	NC	6.2 UJ	4.3 UJ	2.8 UJ	3.5 UJ	5.2 UJ
Methylene Chloride	75-09-2	50	6.2 U	3.1 J	2.8 U	0.86 J	5.2 U
MTBE	1634-04-4	930	6.2 U	4.3 U	2.8 U	3.5 U	5.2 U
n-Butylbenzene	104-51-8	12,000	6.2 UJ	4.3 UJ	2.8 U	3.5 U	5.2 UJ
n-Propylbenzene	103-65-1	3,900	6.2 UJ	4.3 UJ	2.8 U	3.5 U	5.2 UJ
o-Xylene	95-47-6	NC	6.2 U	4.3 U	2.8 U	3.5 U	5.2 U
sec-Butylbenzene	135-98-8	11,000	6.2 UJ	4.3 UJ	2.8 U	3.5 U	5.2 UJ
Styrene	100-42-5	NC	6.2 U	4.3 U	2.8 U	3.5 U	5.2 U
Tert-Butylbenzene	98-06-6	5,900	6.2 UJ	4.3 UJ	2.8 U	3.5 U	5.2 UJ
Tetrachloroethene	127-18-4	1,300	6.2 U	4.3 U	2.8 U	3.5 U	5.2 U
Toluene	108-88-3	700	6.2 U	4.3 U	2.8 U	3.5 U	5.2 U
trans-1,2-Dichloroethene	156-60-5	190	6.2 U	4.3 U	2.8 U	3.5 U	5.2 U
Trans-1,3-Dichloropropene	10061-02-6	NC	6.2 U	4.3 U	2.8 U	3.5 U	5.2 U
Trichloroethene	79-01-6	470	6.2 U	4.3 U	2.8 U	3.5 U	5.2 U
Trichlorofluoromethane	75-69-4	NC	6.2 U	4.3 U	2.8 U	3.5 U	5.2 U
TRICHLOROTRIFLUOROETHANE	26523-64-8	NC	6.2 U	4.3 U	2.8 U	3.5 U	5.2 U
Vinyl Chloride	75-01-4	20	6.2 U	4.3 U	2.8 U	3.5 U	5.2 U
Total Xylenes	NA	260	U	U	U	U	U
VOC TIC TOTALS	NA	NC	50.4	63.1	53.1	46.4	0

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample

T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.

[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 6A1 - Existing Surface Cover Soil Results Compared to Unrestricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SS-122	SS-123	SS-124	SS-125	SS-129
		Sample ID	SS-122-1.5-2-092116	SS-123-0-0.17-092016	SS-124-1-2-092216	SS-125-1-2-092216	SS-129-0-0.17-092016
		Sample Date	9/21/2016	9/20/2016	9/22/2016	9/22/2016	9/20/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	R1609954	R1609909	R1610012	R1610012	R1609909
		Start Depth	1.5	0	1	1	0
		End Depth	2	0.17	2	2	0.17
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]					
VOCs							
1,1,1-Trichloroethane	71-55-6	680	5.9 U	8.3 U	4.7 J	4.5 UJ	9.1 U
1,1,2,2-Tetrachloroethane	79-34-5	NC	5.9 UJ	8.3 UJ	4.7 U	4.5 UJ	9.1 U
1,1,2-Trichloroethane	79-00-5	NC	5.9 U	8.3 U	4.7 U	4.5 UJ	9.1 U
1,1-Dichloroethane	75-34-3	270	5.9 U	8.3 U	4.7 U	4.5 UJ	9.1 U
1,1-Dichloroethene	75-35-4	330	5.9 U	8.3 U	4.7 U	4.5 UJ	9.1 U
1,2,3-Trichlorobenzene	87-61-6	NC	5.9 UJ	8.3 UJ	4.7 U	4.5 UJ	9.1 U
1,2,4-Trichlorobenzene	120-82-1	NC	5.9 UJ	8.3 UJ	4.7 U	0.76 J	9.1 U
1,2,4-Trimethylbenzene	95-63-6	3,600	5.9 UJ	8.3 UJ	1.8 J	3.9 J	9.1 U
1,2-Dibromo-3-chloropropane	96-12-8	NC	5.9 UJ	8.3 UJ	4.7 R	4.5 UJ	9.1 UJ
1,2-Dibromoethane	106-93-4	NC	5.9 U	8.3 U	4.7 UJ	4.5 UJ	9.1 U
1,2-Dichlorobenzene	95-50-1	1,100	5.9 UJ	8.3 UJ	4.7 R	4.5 UJ	9.1 U
1,2-Dichloroethane	107-06-2	20	5.9 U	8.3 U	4.7 UJ	4.5 UJ	9.1 U
1,2-Dichloropropane	78-87-5	NC	5.9 U	8.3 U	4.7 UJ	4.5 UJ	9.1 U
1,3,5-Trimethylbenzene	108-67-8	8,400	5.9 UJ	8.3 UJ	4.7 R	1.6 J	9.1 U
1,3-Dichlorobenzene	541-73-1	2,400	5.9 UJ	8.3 UJ	4.7 R	4.5 UJ	9.1 U
1,4-Dichlorobenzene	106-46-7	1,800	5.9 UJ	8.3 UJ	4.7 R	4.5 UJ	9.1 U
1,4-Dioxane	123-91-1	100	120 R	170 R	94 R	90 R	180 R
2-Butanone	78-93-3	120	5.9 U	8.3 UJ	4.7 UJ	2.4 J	9.1 UJ
2-Hexanone	591-78-6	NC	5.9 U	8.3 UJ	4.7 UJ	4.5 UJ	9.1 UJ
4-Isopropyltoluene	99-87-6	NC	5.9 UJ	8.3 UJ	4.7 R	1.5 J	9.1 U
4-Methyl-2-Pentanone	108-10-1	NC	5.9 U	8.3 UJ	4.7 UJ	3.5 J	9.1 UJ
Acetone	67-64-1	50	19	8.3 U	4.7 UJ	17 J	9.9
Benzene	71-43-2	60	5.9 U	8.3 U	0.29 J	0.41 J	9.1 U
Bromochloromethane	74-97-5	NC	5.9 U	8.3 U	4.7 U	4.5 UJ	9.1 U
Bromodichloromethane	75-27-4	NC	5.9 U	8.3 U	4.7 U	4.5 UJ	9.1 U
Bromoform	75-25-2	NC	5.9 U	8.3 U	4.7 U	4.5 UJ	9.1 U
Bromomethane	74-83-9	NC	5.9 U	8.3 U	4.7 U	4.5 UJ	9.1 U
Carbon disulfide	75-15-0	NC	5.9 UJ	8.3 U	3.5 J	1.5 J	9.1 U
Carbon Tetrachloride	56-23-5	760	5.9 U	8.3 U	4.7 UJ	4.5 UJ	9.1 U
Chlorobenzene	108-90-7	1,100	5.9 U	8.3 U	4.7 UJ	4.5 UJ	9.1 U
Chloroethane	75-00-3	NC	5.9 U	8.3 U	4.7 UJ	4.5 UJ	9.1 U
Chloroform	67-66-3	370	5.9 U	8.3 U	4.7 UJ	4.5 UJ	9.1 U
Chloromethane	74-87-3	NC	5.9 U	8.3 U	4.7 UJ	4.5 UJ	9.1 U
cis-1,2-Dichloroethene	156-59-2	250	5.9 U	8.3 U	4.7 UJ	4.5 UJ	9.1 U
Cis-1,3-Dichloropropene	10061-01-5	NC	5.9 U	8.3 U	4.7 UJ	4.5 UJ	9.1 U
Cyclohexane	110-82-7	NC	5.9 U	8.3 U	4.7 UJ	2 J	9.1 U
Dibromochloromethane	124-48-1	NC	5.9 U	8.3 U	4.7 UJ	4.5 UJ	9.1 U
Dichlorodifluoromethane	75-71-8	NC	5.9 U	8.3 U	4.7 UJ	4.5 UJ	9.1 U
Ethylbenzene	100-41-4	1,000	5.9 U	8.3 U	4.7 UJ	0.59 J	9.1 U
Isopropylbenzene	98-82-8	NC	5.9 U	8.3 U	4.7 UJ	4.5 UJ	9.1 U
M,P-XYLENE	XYLMP	NC	12 U	17 U	1.6 J	2.3 J	18 U
Methyl Acetate	79-20-9	NC	5.9 U	8.3 U	4.7 UJ	4.5 UJ	9.1 U
Methylcyclohexane	108-87-2	NC	5.9 U	8.3 U	1.7 J	5 J	9.1 U
Methylene Chloride	75-09-2	50	5.9 U	8.3 U	1.2 J	4.5 UJ	1.8 J
MTBE	1634-04-4	930	5.9 U	8.3 U	4.7 UJ	4.5 UJ	9.1 U
n-Butylbenzene	104-51-8	12,000	5.9 UJ	8.3 UJ	4.7 R	4.5 UJ	9.1 U
n-Propylbenzene	103-65-1	3,900	5.9 UJ	8.3 UJ	4.7 R	4.5 UJ	9.1 U
o-Xylene	95-47-6	NC	5.9 U	8.3 U	4.7 UJ	4.5 UJ	9.1 U
sec-Butylbenzene	135-98-8	11,000	5.9 UJ	8.3 UJ	4.7 R	4.5 UJ	9.1 U
Styrene	100-42-5	NC	5.9 U	8.3 U	4.7 UJ	4.5 UJ	9.1 U
Tert-Butylbenzene	98-06-6	5,900	5.9 UJ	8.3 UJ	4.7 R	4.5 UJ	9.1 U
Tetrachloroethene	127-18-4	1,300	5.9 U	8.3 U	2 J	4.5 UJ	9.1 U
Toluene	108-88-3	700	5.9 U	8.3 U	4.7 UJ	9.5 J	9.1 U
trans-1,2-Dichloroethene	156-60-5	190	5.9 U	8.3 U	4.7 UJ	4.5 UJ	9.1 U
Trans-1,3-Dichloropropene	10061-02-6	NC	5.9 U	8.3 U	4.7 UJ	4.5 UJ	9.1 U
Trichloroethene	79-01-6	470	5.9 U	8.3 U	4.7 UJ	3.6 J	9.1 U
Trichlorofluoromethane	75-69-4	NC	5.9 U	8.3 U	4.7 UJ	4.5 UJ	9.1 U
TRICHLOROTRIFLUOROETHANE	26523-64-8	NC	5.9 U	8.3 U	4.7 U	4.5 UJ	9.1 U
Vinyl Chloride	75-01-4	20	5.9 U	8.3 U	4.7 UJ	4.5 UJ	9.1 U
Total Xylenes	NA	260	U	U	1.6	2.3	U
VOC TIC TOTALS	NA	NC	120.4	66	62.3	162.1	61.8

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample

T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.

[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 6A1 - Existing Surface Cover Soil Results Compared to Unrestricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SS-131	SS-133	SS-135	SS-136	SS-140
		Sample ID	SS-131-0-0.17-092016	SS-133-1-2-092016	SS-135-0-0.17-091916	SS-136-0-0.17-091916	SS-140-0-0.17-091916
		Sample Date	9/20/2016	9/20/2016	9/19/2016	9/19/2016	9/19/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	R1609909	R1609909	R1609864	R1609864	R1609864
		Start Depth	0	1	0	0	0
		End Depth	0.17	2	0.17	0.17	0.17
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]					
VOCs							
1,1,1-Trichloroethane	71-55-6	680	4.7 U	4.4 UJ	8.1 U	3.6 U	12 U
1,1,2,2-Tetrachloroethane	79-34-5	NC	4.7 U	4.4 UJ	8.1 UJ	3.6 U	12 U
1,1,2-Trichloroethane	79-00-5	NC	4.7 U	4.4 UJ	8.1 U	3.6 U	12 U
1,1-Dichloroethane	75-34-3	270	4.7 U	4.4 UJ	8.1 U	3.6 U	12 U
1,1-Dichloroethene	75-35-4	330	4.7 U	4.4 UJ	8.1 U	3.6 U	12 U
1,2,3-Trichlorobenzene	87-61-6	NC	4.7 U	4.4 UJ	8.1 UJ	3.6 U	12 U
1,2,4-Trichlorobenzene	120-82-1	NC	4.7 U	4.4 UJ	8.1 UJ	3.6 U	12 U
1,2,4-Trimethylbenzene	95-63-6	3,600	4.7 U	4.4 UJ	8.1 UJ	3.6 U	5.3 J
1,2-Dibromo-3-chloropropane	96-12-8	NC	4.7 UJ	4.4 UJ	8.1 UJ	3.6 U	12 UJ
1,2-Dibromoethane	106-93-4	NC	4.7 U	4.4 UJ	8.1 U	3.6 U	12 U
1,2-Dichlorobenzene	95-50-1	1,100	4.7 U	4.4 UJ	8.1 UJ	3.6 U	12 U
1,2-Dichloroethane	107-06-2	20	4.7 U	4.4 UJ	8.1 U	3.6 U	12 U
1,2-Dichloropropane	78-87-5	NC	4.7 U	4.4 UJ	8.1 U	3.6 U	12 U
1,3,5-Trimethylbenzene	108-67-8	8,400	4.7 U	4.4 UJ	8.1 UJ	3.6 U	12 U
1,3-Dichlorobenzene	541-73-1	2,400	4.7 U	4.4 UJ	8.1 UJ	3.6 U	12 U
1,4-Dichlorobenzene	106-46-7	1,800	4.7 U	4.4 UJ	8.1 UJ	3.6 U	12 U
1,4-Dioxane	123-91-1	100	94 R	87 R	160 R	15 J	230 R
2-Butanone	78-93-3	120	3.3 J	4.4 UJ	8.1 UJ	3.6 UJ	12 UJ
2-Hexanone	591-78-6	NC	4.7 UJ	4.4 UJ	8.1 UJ	3.6 UJ	12 UJ
4-Isopropyltoluene	99-87-6	NC	4.7 U	4.4 UJ	8.1 UJ	3.6 U	2.6 J
4-Methyl-2-Pentanone	108-10-1	NC	4.7 UJ	4.4 UJ	8.1 UJ	3.6 UJ	12 UJ
Acetone	67-64-1	50	35	17 J	8.1 U	3.6 U	53
Benzene	71-43-2	60	4.7 U	4.4 UJ	8.1 U	3.6 U	12 U
Bromochloromethane	74-97-5	NC	4.7 U	4.4 UJ	8.1 U	3.6 U	12 U
Bromodichloromethane	75-27-4	NC	4.7 U	4.4 UJ	8.1 U	3.6 U	12 U
Bromoform	75-25-2	NC	4.7 U	4.4 UJ	8.1 U	3.6 U	12 U
Bromomethane	74-83-9	NC	4.7 U	4.4 UJ	8.1 U	3.6 U	12 U
Carbon disulfide	75-15-0	NC	4.7 U	4.4 UJ	8.1 U	3.6 U	12 U
Carbon Tetrachloride	56-23-5	760	4.7 U	4.4 UJ	8.1 U	3.6 U	12 U
Chlorobenzene	108-90-7	1,100	4.7 U	4.4 UJ	8.1 U	3.6 U	12 U
Chloroethane	75-00-3	NC	4.7 U	4.4 UJ	8.1 U	3.6 U	12 U
Chloroform	67-66-3	370	4.7 U	4.4 UJ	8.1 U	3.6 U	12 U
Chloromethane	74-87-3	NC	4.7 U	4.4 UJ	8.1 U	3.6 U	12 U
cis-1,2-Dichloroethene	156-59-2	250	4.7 U	4.4 UJ	8.1 U	3.6 U	12 U
Cis-1,3-Dichloropropene	10061-01-5	NC	4.7 U	4.4 UJ	8.1 U	3.6 U	12 U
Cyclohexane	110-82-7	NC	4.7 U	4.4 UJ	8.1 U	3.6 U	12 U
Dibromochloromethane	124-48-1	NC	4.7 U	4.4 UJ	8.1 U	3.6 U	12 U
Dichlorodifluoromethane	75-71-8	NC	4.7 U	4.4 UJ	8.1 U	3.6 U	12 U
Ethylbenzene	100-41-4	1,000	4.7 U	4.4 UJ	8.1 U	3.6 U	12 U
Isopropylbenzene	98-82-8	NC	4.7 U	4.4 UJ	8.1 U	3.6 U	2.8 J
M,P-XYLENE	XYLMP	NC	9.4 U	8.7 UJ	16 U	7.3 U	23 U
Methyl Acetate	79-20-9	NC	2.8 J	4.4 UJ	8.1 U	3.6 U	7.7 J
Methylcyclohexane	108-87-2	NC	4.7 U	4.4 UJ	8.1 U	3.6 U	12 U
Methylene Chloride	75-09-2	50	4.7 U	4.4 UJ	8.1 U	3.6 U	12 U
MTBE	1634-04-4	930	1.2 J	4.4 UJ	8.1 U	3.6 U	12 U
n-Butylbenzene	104-51-8	12,000	4.7 U	4.4 UJ	8.1 UJ	3.6 U	12 U
n-Propylbenzene	103-65-1	3,900	4.7 U	4.4 UJ	8.1 UJ	3.6 U	12 U
o-Xylene	95-47-6	NC	4.7 U	4.4 UJ	8.1 U	3.6 U	12 U
sec-Butylbenzene	135-98-8	11,000	4.7 U	4.4 UJ	8.1 UJ	3.6 U	12 U
Styrene	100-42-5	NC	4.7 U	4.4 UJ	8.1 U	3.6 U	12 U
Tert-Butylbenzene	98-06-6	5,900	4.7 U	4.4 UJ	8.1 UJ	3.6 U	8.3 J
Tetrachloroethene	127-18-4	1,300	4.7 U	4.4 UJ	8.1 U	3.6 U	12 U
Toluene	108-88-3	700	4.7 U	4.4 UJ	8.1 U	3.6 U	12 U
trans-1,2-Dichloroethene	156-60-5	190	4.7 U	4.4 UJ	8.1 U	3.6 U	12 U
Trans-1,3-Dichloropropene	10061-02-6	NC	4.7 U	4.4 UJ	8.1 U	3.6 U	12 U
Trichloroethene	79-01-6	470	4.7 U	4.4 UJ	8.1 U	3.6 U	12 U
Trichlorofluoromethane	75-69-4	NC	4.7 U	4.4 UJ	8.1 U	3.6 U	12 U
TRICHLOROTRIFLUOROETHANE	26523-64-8	NC	4.7 U	4.4 UJ	8.1 U	3.6 U	12 U
Vinyl Chloride	75-01-4	20	4.7 U	4.4 UJ	8.1 U	3.6 U	12 U
Total Xylenes	NA	260	U	U	U	U	U
VOC TIC TOTALS	NA	NC	58	69.1	0	77	0

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample

T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.

[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 6A1 - Existing Surface Cover Soil Results Compared to Unrestricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SS-141[BB]	SS-142	SS-143	SS-145	SS-146
		Sample ID	SS-141-1-2-092116	SS-142-0.5-1.5-092116	SS-143-0-0.17-091916	SS-145-0.5-1.5-092116	SS-146-0-0.17-091916
		Sample Date	9/21/2016	9/21/2016	9/19/2016	9/21/2016	9/19/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	R1609954	R1609954	R1609864	R1609954	R1609864
		Start Depth	1	0.5	0	0.5	0
		End Depth	2	1.5	0.17	1.5	0.17
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]					
VOCs							
1,1,1-Trichloroethane	71-55-6	680	7.2 U	6.5 U	4.8 U	8.2 U	4.4 U
1,1,2,2-Tetrachloroethane	79-34-5	NC	7.2 U	6.5 U	4.8 U	8.2 UJ	4.4 U
1,1,2-Trichloroethane	79-00-5	NC	7.2 U	6.5 U	4.8 U	8.2 U	4.4 U
1,1-Dichloroethane	75-34-3	270	7.2 U	6.5 U	4.8 U	8.2 U	4.4 U
1,1-Dichloroethene	75-35-4	330	7.2 U	6.5 U	4.8 U	8.2 U	4.4 U
1,2,3-Trichlorobenzene	87-61-6	NC	7.2 U	6.5 U	4.8 U	8.2 UJ	4.4 U
1,2,4-Trichlorobenzene	120-82-1	NC	7.2 U	6.5 U	4.8 U	8.2 UJ	4.4 U
1,2,4-Trimethylbenzene	95-63-6	3,600	7.2 U	1.5 J	4.8 U	8.2 UJ	4.4 U
1,2-Dibromo-3-chloropropane	96-12-8	NC	7.2 U	6.5 U	4.8 U	8.2 UJ	4.4 U
1,2-Dibromoethane	106-93-4	NC	7.2 U	6.5 U	4.8 U	8.2 U	4.4 U
1,2-Dichlorobenzene	95-50-1	1,100	7.2 U	6.5 U	4.8 U	8.2 UJ	4.4 U
1,2-Dichloroethane	107-06-2	20	7.2 U	6.5 U	4.8 U	8.2 U	4.4 U
1,2-Dichloropropane	78-87-5	NC	7.2 U	6.5 U	4.8 U	8.2 U	4.4 U
1,3,5-Trimethylbenzene	108-67-8	8,400	7.2 U	6.5 U	4.8 U	8.2 UJ	4.4 U
1,3-Dichlorobenzene	541-73-1	2,400	7.2 U	6.5 U	4.8 U	8.2 UJ	4.4 U
1,4-Dichlorobenzene	106-46-7	1,800	7.2 U	6.5 U	4.8 U	8.2 UJ	4.4 U
1,4-Dioxane	123-91-1	100	140 R	130 R	97 R	44 J	87 R
2-Butanone	78-93-3	120	7.2 U	6.5 J	4.8 UJ	8.2 U	4.4 UJ
2-Hexanone	591-78-6	NC	7.2 U	6.5 U	4.8 UJ	8.2 U	4.4 UJ
4-Isopropyltoluene	99-87-6	NC	7.2 U	6.5 U	4.8 U	8.2 UJ	4.4 U
4-Methyl-2-Pentanone	108-10-1	NC	7.2 U	6.5 U	4.8 UJ	8.2 U	4.4 UJ
Acetone	67-64-1	50	17	43	4.8 U	13	25
Benzene	71-43-2	60	7.2 U	0.54 J	4.8 U	8.2 U	4.4 U
Bromochloromethane	74-97-5	NC	7.2 U	6.5 U	4.8 U	8.2 U	4.4 U
Bromodichloromethane	75-27-4	NC	7.2 U	6.5 U	4.8 U	8.2 U	4.4 U
Bromoform	75-25-2	NC	7.2 U	6.5 U	4.8 U	8.2 U	4.4 U
Bromomethane	74-83-9	NC	7.2 U	6.5 U	4.8 U	8.2 U	4.4 U
Carbon disulfide	75-15-0	NC	7.2 U	6.5 U	4.8 U	8.2 U	4.4 U
Carbon Tetrachloride	56-23-5	760	7.2 U	6.5 U	4.8 U	8.2 U	4.4 U
Chlorobenzene	108-90-7	1,100	7.2 U	6.5 U	4.8 U	8.2 U	4.4 U
Chloroethane	75-00-3	NC	7.2 U	6.5 U	4.8 U	8.2 U	4.4 U
Chloroform	67-66-3	370	7.2 U	6.5 U	4.8 U	8.2 U	4.4 U
Chloromethane	74-87-3	NC	7.2 U	6.5 U	4.8 U	8.2 U	4.4 U
cis-1,2-Dichloroethene	156-59-2	250	7.2 U	6.5 U	4.8 U	8.2 U	4.4 U
Cis-1,3-Dichloropropene	10061-01-5	NC	7.2 U	6.5 U	4.8 U	8.2 U	4.4 U
Cyclohexane	110-82-7	NC	7.2 UJ	6.5 UJ	4.8 U	8.2 UJ	4.4 U
Dibromochloromethane	124-48-1	NC	7.2 U	6.5 U	4.8 U	8.2 U	4.4 U
Dichlorodifluoromethane	75-71-8	NC	7.2 U	6.5 U	4.8 U	8.2 U	4.4 U
Ethylbenzene	100-41-4	1,000	7.2 U	6.5 U	4.8 U	8.2 U	4.4 U
Isopropylbenzene	98-82-8	NC	7.2 U	6.5 U	4.8 U	8.2 U	4.4 U
M,P-XYLENE	XYLMP	NC	14 U	1.8 J	9.7 U	16 U	8.7 U
Methyl Acetate	79-20-9	NC	7.2 U	6.5 U	4.8 U	8.2 U	4.4 U
Methylcyclohexane	108-87-2	NC	7.2 UJ	6.5 UJ	4.8 U	8.2 UJ	4.4 U
Methylene Chloride	75-09-2	50	7.2 U	2.6 J	4.8 U	1.9 J	4.4 U
MTBE	1634-04-4	930	1.6 J	6.5 U	4.8 U	8.2 U	4.4 U
n-Butylbenzene	104-51-8	12,000	7.2 U	6.5 U	4.8 U	8.2 UJ	4.4 U
n-Propylbenzene	103-65-1	3,900	7.2 U	6.5 U	4.8 U	8.2 UJ	4.4 U
o-Xylene	95-47-6	NC	7.2 U	6.5 U	4.8 U	8.2 U	4.4 U
sec-Butylbenzene	135-98-8	11,000	7.2 U	6.5 U	4.8 U	8.2 UJ	4.4 U
Styrene	100-42-5	NC	7.2 U	6.5 U	4.8 U	8.2 U	4.4 U
Tert-Butylbenzene	98-06-6	5,900	7.2 U	6.5 U	4.8 U	8.2 UJ	4.4 U
Tetrachloroethene	127-18-4	1,300	7.2 U	6.5 U	4.8 U	8.2 U	4.4 U
Toluene	108-88-3	700	7.2 U	6.5 U	4.8 U	8.2 U	4.4 U
trans-1,2-Dichloroethene	156-60-5	190	7.2 U	6.5 U	4.8 U	8.2 U	4.4 U
Trans-1,3-Dichloropropene	10061-02-6	NC	7.2 U	6.5 U	4.8 U	8.2 U	4.4 U
Trichloroethene	79-01-6	470	7.2 U	6.5 U	4.8 U	8.2 U	4.4 U
Trichlorofluoromethane	75-69-4	NC	7.2 U	6.5 U	4.8 U	8.2 U	4.4 U
TRICHLOROTRIFLUOROETHANE	26523-64-8	NC	7.2 U	6.5 U	4.8 U	8.2 U	4.4 U
Vinyl Chloride	75-01-4	20	7.2 U	6.5 U	4.8 U	8.2 U	4.4 U
Total Xylenes	NA	260	U	1.8	U	U	U
VOC TIC TOTALS	NA	NC	562	181.3	19.9	118	101.4

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample

T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.

[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 6A1 - Existing Surface Cover Soil Results Compared to Unrestricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SS-147	SS-148	SS-150	SS-150	SS-152
		Sample ID	SS-147-0.5-1.5-092116	SS-148-0-0.17-092016	DUP-006-091916	SS-150-0-0.17-091916	SS-152-0-0.17-091916
		Sample Date	9/21/2016	9/20/2016	9/19/2016	9/19/2016	9/19/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	R1609954	R1609909	R1609864	R1609864	R1609864
		Start Depth	0.5	0	0	0	0
		End Depth	1.5	0.17	0.17	0.17	0.17
Chemical Name	**CAS #**	**NY Part 375 Unrestricted SCO[1]**					
VOCs							
1,1,1-Trichloroethane	71-55-6	680	6.2 U	6.2 U	3.8 U	3.1 U	5 U
1,1,2,2-Tetrachloroethane	79-34-5	NC	6.2 U	6.2 U	3.8 U	3.1 U	5 U
1,1,2-Trichloroethane	79-00-5	NC	6.2 U	6.2 UJ	3.8 U	3.1 U	5 U
1,1-Dichloroethane	75-34-3	270	6.2 U	6.2 U	3.8 U	3.1 U	5 U
1,1-Dichloroethene	75-35-4	330	6.2 U	6.2 U	3.8 U	3.1 U	5 U
1,2,3-Trichlorobenzene	87-61-6	NC	6.2 U	6.2 U	3.8 U	3.1 U	5 U
1,2,4-Trichlorobenzene	120-82-1	NC	6.2 U	6.2 U	3.8 U	3.1 U	5 U
1,2,4-Trimethylbenzene	95-63-6	3,600	1.1 J	6.2 U	3.8 U	3.1 U	5 U
1,2-Dibromo-3-chloropropane	96-12-8	NC	6.2 U	6.2 UJ	3.8 U	3.1 U	5 U
1,2-Dibromoethane	106-93-4	NC	6.2 U	6.2 UJ	3.8 U	3.1 U	5 U
1,2-Dichlorobenzene	95-50-1	1,100	6.2 U	6.2 U	3.8 U	3.1 U	5 U
1,2-Dichloroethane	107-06-2	20	6.2 U	6.2 U	3.8 U	3.1 U	5 U
1,2-Dichloropropane	78-87-5	NC	6.2 U	6.2 U	3.8 U	3.1 U	5 U
1,3,5-Trimethylbenzene	108-67-8	8,400	6.2 U	6.2 U	3.8 U	3.1 U	5 U
1,3-Dichlorobenzene	541-73-1	2,400	6.2 U	6.2 U	3.8 U	3.1 U	5 U
1,4-Dichlorobenzene	106-46-7	1,800	6.2 U	6.2 U	3.8 U	3.1 U	5 U
1,4-Dioxane	123-91-1	100	120 R	120 R	77 R	63 R	100 R
2-Butanone	78-93-3	120	6.2 U	6.2 UJ	3.8 UJ	3.1 UJ	5 UJ
2-Hexanone	591-78-6	NC	6.2 U	6.2 R	3.8 UJ	3.1 UJ	5 UJ
4-Isopropyltoluene	99-87-6	NC	6.2 U	6.2 U	3.8 U	3.1 U	5 U
4-Methyl-2-Pentanone	108-10-1	NC	6.2 U	6.2 UJ	3.8 UJ	3.1 UJ	5 UJ
Acetone	67-64-1	50	8.9	6.2 U	3.8 U	11	37
Benzene	71-43-2	60	6.2 U	6.2 U	3.8 U	3.1 U	5 U
Bromochloromethane	74-97-5	NC	6.2 U	6.2 U	3.8 U	3.1 U	5 U
Bromodichloromethane	75-27-4	NC	6.2 U	6.2 U	3.8 U	3.1 U	5 U
Bromoform	75-25-2	NC	6.2 U	6.2 U	3.8 U	3.1 U	5 U
Bromomethane	74-83-9	NC	6.2 U	6.2 R	3.8 U	3.1 U	5 U
Carbon disulfide	75-15-0	NC	6.2 U	6.2 U	3.8 U	3.1 U	5 U
Carbon Tetrachloride	56-23-5	760	6.2 U	6.2 U	3.8 U	3.1 U	5 U
Chlorobenzene	108-90-7	1,100	6.2 U	6.2 UJ	3.8 U	3.1 U	5 U
Chloroethane	75-00-3	NC	6.2 U	6.2 U	3.8 U	3.1 U	5 U
Chloroform	67-66-3	370	6.2 U	6.2 U	3.8 U	3.1 U	5 U
Chloromethane	74-87-3	NC	6.2 U	6.2 U	3.8 U	3.1 U	5 U
cis-1,2-Dichloroethene	156-59-2	250	6.2 U	6.2 U	3.8 U	3.1 U	5 U
Cis-1,3-Dichloropropene	10061-01-5	NC	6.2 U	6.2 UJ	3.8 U	3.1 U	5 U
Cyclohexane	110-82-7	NC	6.2 UJ	6.2 U	3.8 U	3.1 U	5 U
Dibromochloromethane	124-48-1	NC	6.2 U	6.2 U	3.8 U	3.1 U	5 U
Dichlorodifluoromethane	75-71-8	NC	6.2 U	6.2 U	3.8 U	3.1 U	5 U
Ethylbenzene	100-41-4	1,000	6.2 U	6.2 U	3.8 U	3.1 U	5 U
Isopropylbenzene	98-82-8	NC	6.2 U	6.2 U	3.8 U	3.1 U	5 U
M,P-XYLENE	XYLMP	NC	12 U	12 U	7.7 U	6.3 U	10 U
Methyl Acetate	79-20-9	NC	6.2 U	6.2 R	3.8 U	3.1 U	5 U
Methylcyclohexane	108-87-2	NC	6.2 UJ	6.2 U	3.8 U	3.1 U	5 U
Methylene Chloride	75-09-2	50	0.74 J	6.2 U	3.8 U	3.1 U	5 U
MTBE	1634-04-4	930	6.2 U	6.2 U	3.8 U	3.1 U	5 U
n-Butylbenzene	104-51-8	12,000	6.2 U	6.2 U	3.8 U	3.1 U	5 U
n-Propylbenzene	103-65-1	3,900	6.2 U	6.2 U	3.8 U	3.1 U	5 U
o-Xylene	95-47-6	NC	6.2 U	6.2 U	3.8 U	3.1 U	5 U
sec-Butylbenzene	135-98-8	11,000	6.2 U	6.2 U	3.8 U	3.1 U	5 U
Styrene	100-42-5	NC	6.2 U	6.2 UJ	3.8 U	3.1 U	5 U
Tert-Butylbenzene	98-06-6	5,900	6.2 U	6.2 U	3.8 U	3.1 U	5 U
Tetrachloroethene	127-18-4	1,300	6.2 U	6.2 U	3.8 U	3.1 U	5 U
Toluene	108-88-3	700	6.2 U	6.2 U	3.8 U	3.1 U	5 U
trans-1,2-Dichloroethene	156-60-5	190	6.2 U	6.2 U	3.8 U	3.1 U	5 U
Trans-1,3-Dichloropropene	10061-02-6	NC	6.2 U	6.2 UJ	3.8 U	3.1 U	5 U
Trichloroethene	79-01-6	470	6.2 U	6.2 U	3.8 U	3.1 U	5 U
Trichlorofluoromethane	75-69-4	NC	6.2 U	6.2 U	3.8 U	3.1 U	5 U
TRICHLOROTRIFLUOROETHANE	26523-64-8	NC	6.2 U	6.2 U	3.8 U	3.1 U	5 U
Vinyl Chloride	75-01-4	20	6.2 U	6.2 U	3.8 U	3.1 U	5 U
Total Xylenes	NA	260	U	U	U	U	U
VOC TIC TOTALS	NA	NC	553.2	15.9	61.1	62.4	100.4

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample

T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.

[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 6A1 - Existing Surface Cover Soil Results Compared to Unrestricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SS-153
		Sample ID	SS-153-0-0.17-091916
		Sample Date	9/19/2016
		Unit	µg/kg
		Lab SDG	R1609864
		Start Depth	0
		End Depth	0.17
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]	
VOCs			
1,1,1-Trichloroethane	71-55-6	680	4.6 U
1,1,2,2-Tetrachloroethane	79-34-5	NC	4.6 U
1,1,2-Trichloroethane	79-00-5	NC	4.6 U
1,1-Dichloroethane	75-34-3	270	4.6 U
1,1-Dichloroethene	75-35-4	330	4.6 U
1,2,3-Trichlorobenzene	87-61-6	NC	4.6 U
1,2,4-Trichlorobenzene	120-82-1	NC	4.6 U
1,2,4-Trimethylbenzene	95-63-6	3,600	4.6 U
1,2-Dibromo-3-chloropropane	96-12-8	NC	4.6 U
1,2-Dibromoethane	106-93-4	NC	4.6 U
1,2-Dichlorobenzene	95-50-1	1,100	4.6 U
1,2-Dichloroethane	107-06-2	20	4.6 U
1,2-Dichloropropane	78-87-5	NC	4.6 U
1,3,5-Trimethylbenzene	108-67-8	8,400	4.6 U
1,3-Dichlorobenzene	541-73-1	2,400	4.6 U
1,4-Dichlorobenzene	106-46-7	1,800	4.6 U
1,4-Dioxane	123-91-1	100	91 R
2-Butanone	78-93-3	120	4.6 UJ
2-Hexanone	591-78-6	NC	4.6 UJ
4-Isopropyltoluene	99-87-6	NC	4.6 U
4-Methyl-2-Pentanone	108-10-1	NC	4.6 UJ
Acetone	67-64-1	50	4.6 U
Benzene	71-43-2	60	4.6 U
Bromochloromethane	74-97-5	NC	4.6 U
Bromodichloromethane	75-27-4	NC	4.6 U
Bromoform	75-25-2	NC	4.6 U
Bromomethane	74-83-9	NC	4.6 U
Carbon disulfide	75-15-0	NC	4.6 U
Carbon Tetrachloride	56-23-5	760	4.6 U
Chlorobenzene	108-90-7	1,100	4.6 U
Chloroethane	75-00-3	NC	4.6 U
Chloroform	67-66-3	370	4.6 U
Chloromethane	74-87-3	NC	4.6 U
cis-1,2-Dichloroethene	156-59-2	250	4.6 U
Cis-1,3-Dichloropropene	10061-01-5	NC	4.6 U
Cyclohexane	110-82-7	NC	4.6 U
Dibromochloromethane	124-48-1	NC	4.6 U
Dichlorodifluoromethane	75-71-8	NC	4.6 U
Ethylbenzene	100-41-4	1,000	4.6 U
Isopropylbenzene	98-82-8	NC	4.6 U
M,P-XYLENE	XYLMP	NC	9.1 U
Methyl Acetate	79-20-9	NC	4.6 U
Methylcyclohexane	108-87-2	NC	4.6 U
Methylene Chloride	75-09-2	50	4.6 U
MTBE	1634-04-4	930	4.6 U
n-Butylbenzene	104-51-8	12,000	4.6 U
n-Propylbenzene	103-65-1	3,900	4.6 U
o-Xylene	95-47-6	NC	4.6 U
sec-Butylbenzene	135-98-8	11,000	4.6 U
Styrene	100-42-5	NC	4.6 U
Tert-Butylbenzene	98-06-6	5,900	4.6 U
Tetrachloroethene	127-18-4	1,300	4.6 U
Toluene	108-88-3	700	4.6 U
trans-1,2-Dichloroethene	156-60-5	190	4.6 U
Trans-1,3-Dichloropropene	10061-02-6	NC	4.6 U
Trichloroethene	79-01-6	470	4.6 U
Trichlorofluoromethane	75-69-4	NC	4.6 U
TRICHLOROTRIFLUOROETHANE	26523-64-8	NC	4.6 U
Vinyl Chloride	75-01-4	20	4.6 U
Total Xylenes	NA	260	U
VOC TIC TOTALS	NA	NC	11

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample

T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.

[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 6B - Surface Soil Results Compared to Unrestricted SCOs
SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SS-101	SS-103	SS-105	SS-106	SS-108	SS-109	SS-111
		Sample ID	SS-101-0-0.17-092016	SS-103-0-0.17-092016	SS-105-0-0.17-091916	SS-106-0-0.17-091916	SS-108-0-0.17-091916	SS-109-0-0.17-091916	SS-111-0-0.17-091916
		Sample Date	9/20/2016	9/20/2016	9/19/2016	9/19/2016	9/19/2016	9/19/2016	9/19/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	2177436	2177436	2176860	2176860	2176860	2176860	2176860
		Start Depth	0	0	0	0	0	0	0
		End Depth	0.17	0.17	0.17	0.17	0.17	0.17	0.17
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]							
SVOCs									
1,1'-Biphenyl	92-52-4	NC	119 U	123 U	168 U	13.6 J	130 U	36.1 J	58.7 J
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	119 U	123 U	168 U	149 U	130 U	152 U	170 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	238 U	246 U	335 U	298 U	260 U	304 U	340 U
2,4,5-Trichlorophenol	95-95-4	NC	238 U	246 U	335 U	298 U	260 U	304 U	340 U
2,4,6-Trichlorophenol	88-06-2	NC	238 U	246 U	335 U	298 U	260 U	304 U	340 U
2,4-Dichlorophenol	120-83-2	NC	238 U	246 U	335 U	298 U	260 U	304 U	340 U
2,4-Dimethylphenol	105-67-9	NC	238 U	246 U	335 U	298 U	260 U	304 U	340 U
2,4-Dinitrophenol	51-28-5	NC	417 U	430 U	335 U	298 U	260 U	304 U	340 U
2,4-Dinitrotoluene	121-14-2	NC	119 U	123 U	168 U	149 U	130 U	152 U	170 U
2,6-Dinitrotoluene	606-20-2	NC	119 U	123 U	168 U	149 U	130 U	152 U	170 U
2-Chloronaphthalene	91-58-7	NC	119 U	123 U	168 U	149 U	130 U	152 U	170 U
2-Chlorophenol	95-57-8	NC	238 U	246 U	335 U	298 U	260 U	304 U	340 U
2-Methylnaphthalene	91-57-6	NC	119 U	123 U	16.4 J	145 J	11.2 J	404 J	725 J
2-Methylphenol	95-48-7	330	238 U	246 U	335 U	298 U	260 U	304 U	340 U
2-Nitroaniline	88-74-4	NC	238 U	246 U	335 U	298 U	260 U	304 U	340 U
2-Nitrophenol	88-75-5	NC	238 U	246 U	335 U	298 U	260 U	304 U	340 U
3,3-Dichlorobenzidine	91-94-1	NC	238 U	246 U	335 U	298 U	260 U	304 U	340 U
3-Nitroaniline	99-09-2	NC	238 U	246 U	335 U	298 U	260 U	304 U	340 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	238 U	246 U	335 U	298 U	260 U	304 U	340 U
4-Bromophenyl-phenylether	101-55-3	NC	119 U	123 U	168 U	149 U	130 U	152 U	170 U
4-Chloro-3-methylphenol	59-50-7	NC	238 U	246 U	335 U	298 U	260 U	304 U	340 U
4-Chloroaniline	106-47-8	NC	238 U	246 U	335 U	298 U	260 U	304 U	340 U
4-Chlorophenyl-phenylether	7005-72-3	NC	119 U	123 U	168 U	149 U	130 U	152 U	170 U
4-Nitroaniline	100-01-6	NC	238 U	246 U	335 U	298 U	260 U	304 U	340 U
4-Nitrophenol	100-02-7	NC	238 U	246 U	335 U	298 U	260 U	304 U	340 U
Acenaphthene	83-32-9	20,000	59.6 U	61.4 U	13.6 J	52 J	11.1 J	24.4 J	43.3 J
Acenaphthylene	208-96-8	100,000	59.6 U	40.4 J	48.7 J	73.4 J	16.9 J	180	148
Acetophenone	98-86-2	NC	119 U	123 U	168 U	149 U	130 U	152 U	170 U
Anthracene	120-12-7	100,000	59.6 U	79.7	96.2	233	35.1 J	247	222
Atrazine	1912-24-9	NC	119 U	123 U	168 U	149 U	130 U	24.2 J	170 U
Benzaldehyde	100-52-7	NC	238 U	246 U	108 J	175 J	59.3 J	122 J	246 J
Benzidine	92-87-5	NC	238 U	246 U	335 U	298 U	260 U	304 U	340 U
Benzo[a]anthracene	56-55-3	1,000	59.6 U	286	500	1,000	172	756	951
Benzo[a]pyrene	50-32-8	1,000	51.9 J	315	613	1,130	228	995	1,070
Benzo[b]fluoranthene	205-99-2	1,000	73.6	440	698	1,490	304	1,820	1,740
Benzo[g,h,i]perylene	191-24-2	100,000	41.9 J	239	581	696	162	693	694
Benzo[k]fluoranthene	207-08-9	800	59.6 U	160	255	527	109	597	627
Bis(2-Chloroethoxy)methane	111-91-1	NC	119 U	123 U	168 U	149 U	130 U	152 U	170 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	119 U	123 U	168 U	149 U	130 U	152 U	170 U
Bis(2-Chloroisopropyl)ether	108-60-1	NC	119 U	123 U	168 U	149 U	130 U	152 U	170 U
Bis(2-Ethylhexyl)phthalate	117-81-7	NC	298 U	307 U	417	149 U	130 U	152 U	170 U
Butylbenzylphthalate	85-68-7	NC	119 U	123 U	168 U	149 U	130 U	152 U	170 U
Caprolactam	105-60-2	NC	238 U	246 U	335 UJ	298 UJ	260 UJ	304 UJ	340 UJ
Carbazole	86-74-8	NC	119 U	40.8 J	41.3 J	150	23.9 J	105 J	113 J
Chrysene	218-01-9	1,000	45.8 J	309	610	1,180	210	1,100	1,210
Dibenzo[a,h]Anthracene	53-70-3	330	59.6 U	64.4	153	171	44 J	196	182
Dibenzofuran	132-64-9	7,000	119 U	123 U	168 U	63.9 J	130 U	129 J	196
Diethylphthalate	84-66-2	NC	119 U	123 U	168 U	149 U	130 U	152 U	170 U
Dimethylphthalate	131-11-3	NC	119 U	123 U	168 U	149 U	130 U	152 U	170 U
Di-n-butylphthalate	84-74-2	NC	119 U	123 U	168 U	149 U	130 U	152 U	170 U
Di-n-octylphthalate	117-84-0	NC	119 U	123 U	168 UJ	149 UJ	130 UJ	152 UJ	170 UJ
Fluoranthene	206-44-0	100,000	102	637	1010	1,940	314	1,090	1,420
Fluorene	86-73-7	30,000	59.6 U	61.4 U	15.8 J	63.4 J	11.2 J	76 U	55 J
Hexachlorobenzene	118-74-1	330	119 U	123 U	168 U	149 U	130 U	152 U	170 U
Hexachlorobutadiene	87-68-3	NC	119 U	123 U	168 U	149 U	130 U	152 U	170 U
Hexachlorocyclopentadiene	77-47-4	NC	238 U	246 U	335 U	298 U	260 U	304 U	340 U
Hexachloroethane	67-72-1	NC	119 U	123 U	168 U	149 U	130 U	152 U	170 U
Indeno[1,2,3-cd]pyrene	193-39-5	500	53.8 J	242	359	756	175	738	734
Isophorone	78-59-1	NC	119 U	123 U	168 U	149 U	130 U	152 U	170 U
m-Cresol & p-Cresol	MEPH1314	330**	238 U	246 U	335 U	298 U	260 U	304 U	340 U
Naphthalene	91-20-3	12,000	59.6 U	61.4 U	83.8 U	119	65.1 U	356	523
Nitrobenzene	98-95-3	NC	119 U	123 U	168 U	149 U	130 U	152 U	170 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	119 U	123 U	168 U	149 U	130 U	152 U	170 U
N-Nitrosodiphenylamine	86-30-6	NC	119 U	123 U	168 U	149 U	130 U	152 U	170 U
Pentachlorophenol	87-86-5	800	238 U	246 U	335 U	298 U	260 U	304 U	340 U
Phenanthrene	85-01-8	100,000	45.7 J	302	427	1100	147	505	975
Phenol	108-95-2	330	238 U	246 U	335 U	298 U	280	304 U	34.3 J
Pyrene	129-00-0	100,000	83.3	508	943	2,280	362	1,330	1,810
Pyridine	110-86-1	NC	238 U	246 U	335 U	298 U	260 U	304 U	340 U
Total SVOCs	NA	NC	29,248	18,867	31,100	59,940	11,427	25,483	33,122

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.
**- action level for Cresol applies to individual isomers.
Exceeds Unrestricted SCO listed in Part 375.

Table 6B - Surface Soil Results Compared to Unrestricted SCOs
SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SS-112	SS-114	SS-115	SS-116	SS-123	SS-129	SS-131
		Sample ID	SS-112-0-0.17-091916	SS-114-0-0.17-092016	SS-115-0-0.17-092016	SS-116-0-0.17-092016	SS-123-0-0.17-092016	SS-129-0-0.17-092016	SS-131-0-0.17-092016
		Sample Date	9/19/2016	9/20/2016	9/20/2016	9/20/2016	9/20/2016	9/20/2016	9/20/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	2176860	2177436	2177436	2177436	2177436	2177436	2177436
		Start Depth	0	0	0	0	0	0	0
		End Depth	0.17	0.17	0.17	0.17	0.17	0.17	0.17
Chemical Name	**CAS #**	**NY Part 375 Unrestricted SCO[1]**							
SVOCs									
1,1'-Biphenyl	92-52-4	NC	79.8 J	89.1 J	115 J	40.9 J	91.8 J	144 U	107 U
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	139 U	139 U	140 U	169 U	150 U	144 U	107 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	277 U	277 U	281 U	337 U	299 U	288 U	215 U
2,4,5-Trichlorophenol	95-95-4	NC	277 U	277 U	281 U	337 U	299 U	288 U	215 U
2,4,6-Trichlorophenol	88-06-2	NC	277 U	277 U	281 U	337 U	299 U	288 U	215 U
2,4-Dichlorophenol	120-83-2	NC	277 U	277 U	281 U	337 U	299 U	288 U	215 U
2,4-Dimethylphenol	105-67-9	NC	277 U	277 U	281 U	337 U	299 U	288 U	215 U
2,4-Dinitrophenol	51-28-5	NC	277 U	486 U	491 U	590 U	524 U	505 U	376 U
2,4-Dinitrotoluene	121-14-2	NC	139 U	139 U	140 U	169 U	150 U	144 U	107 U
2,6-Dinitrotoluene	606-20-2	NC	139 U	139 U	140 U	169 U	150 U	144 U	107 U
2-Chloronaphthalene	91-58-7	NC	139 U	139 U	140 U	169 U	150 U	144 U	107 U
2-Chlorophenol	95-57-8	NC	277 U	277 U	281 U	337 U	299 U	288 U	215 U
2-Methylnaphthalene	91-57-6	NC	571 J	745	945	372	1190	62.1 J	25.4 J
2-Methylphenol	95-48-7	330	24.4 J	277 U	281 U	337 U	299 U	288 U	215 U
2-Nitroaniline	88-74-4	NC	277 U	277 U	281 U	337 U	299 U	288 U	215 U
2-Nitrophenol	88-75-5	NC	277 U	277 U	281 U	337 U	299 U	288 U	215 U
3,3-Dichlorobenzidine	91-94-1	NC	277 U	277 U	281 U	337 U	299 U	288 U	215 U
3-Nitroaniline	99-09-2	NC	277 U	277 U	281 U	337 U	299 U	288 U	215 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	277 U	277 U	281 U	337 U	299 U	288 U	215 U
4-Bromophenyl-phenylether	101-55-3	NC	139 U	139 U	140 U	169 U	150 U	144 U	107 U
4-Chloro-3-methylphenol	59-50-7	NC	277 U	277 U	281 U	337 U	299 U	288 U	215 U
4-Chloroaniline	106-47-8	NC	277 U	277 U	281 U	337 U	68.7 J	288 U	215 U
4-Chlorophenyl-phenylether	7005-72-3	NC	139 U	139 U	140 U	169 U	150 U	144 U	107 U
4-Nitroaniline	100-01-6	NC	277 U	277 U	281 U	337 U	299 U	288 U	215 U
4-Nitrophenol	100-02-7	NC	277 U	277 U	281 U	337 U	299 U	288 U	215 U
Acenaphthene	83-32-9	20,000	247	69.4 U	206	46.3 J	74.8 U	72.1 U	56.3
Acenaphthylene	208-96-8	100,000	357	69.4 U	70.1 U	84.3 U	212	34.1 J	66
Acetophenone	98-86-2	NC	139 U	139 U	140 U	169 U	150 U	144 U	107 U
Anthracene	120-12-7	100,000	901	73.7	587	119	331	79.3	209
Atrazine	1912-24-9	NC	139 U	139 U	140 U	169 U	150 U	144 U	107 U
Benzaldehyde	100-52-7	NC	495	277 U	281 U	335 J	532	160 J	215 U
Benzidine	92-87-5	NC	277 U	277 U	281 U	337 U	299 U	288 U	215 U
Benzo[a]anthracene	56-55-3	1,000	2,740	298	1,200	391	834	293	646
Benzo[a]pyrene	50-32-8	1,000	2,860	364	1,070	409	1,010	710	650
Benzo[b]fluoranthene	205-99-2	1,000	3,650	541	1,430	558	1,740	628	865
Benzo[g,h,i]perylene	191-24-2	100,000	1570	261	647	277	762	1,070	407
Benzo[k]fluoranthene	207-08-9	800	1,390	186	508	197	554	215	311
Bis(2-Chloroethoxy)methane	111-91-1	NC	139 U	139 U	140 U	169 U	150 U	144 U	107 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	139 U	139 U	140 U	169 U	150 U	144 U	107 U
Bis(2-Chloroisopropyl)ether	108-60-1	NC	139 U	139 U	140 U	169 U	150 U	144 U	107 U
Bis(2-Ethylhexyl)phthalate	117-81-7	NC	139 U	347 U	351 U	422 U	374 U	629	268 U
Butylbenzylphthalate	85-68-7	NC	139 U	139 U	140 U	169 U	38.1 J	144 U	138
Caprolactam	105-60-2	NC	277 UJ	277 U	281 U	337 U	299 U	288 U	215 U
Carbazole	86-74-8	NC	337	54.9 J	377	80.7 J	139 J	58.7 J	90.2 J
Chrysene	218-01-9	1,000	2,910	453	1,270	556	1,230	391	716
Dibenzo[a,h]Anthracene	53-70-3	330	424	76.6	201	86.4	224	572	119
Dibenzofuran	132-64-9	7,000	233	177	384	99.7 J	320	144 U	25.3 J
Diethylphthalate	84-66-2	NC	139 U	139 U	140 U	169 U	150 U	144 U	107 U
Dimethylphthalate	131-11-3	NC	139 U	139 U	140 U	169 U	150 U	144 U	107 U
Di-n-butylphthalate	84-74-2	NC	139 U	139 U	140 U	169 U	150 U	144 U	107 U
Di-n-octylphthalate	117-84-0	NC	139 UJ	139 U	140 U	169 U	150 U	144 U	107 U
Fluoranthene	206-44-0	100,000	5,170	652	2,760	806	1,590	570	1,370
Fluorene	86-73-7	30,000	256	69.4 U	255	53.6 J	75.4	72.1 U	63
Hexachlorobenzene	118-74-1	330	139 U	139 U	140 U	169 U	150 U	144 U	107 U
Hexachlorobutadiene	87-68-3	NC	139 U	139 U	140 U	169 U	150 U	144 U	107 U
Hexachlorocyclopentadiene	77-47-4	NC	277 U	277 U	281 U	337 U	299 U	288 U	215 U
Hexachloroethane	67-72-1	NC	139 U	139 U	140 U	169 U	150 U	144 U	107 U
Indeno[1,2,3-cd]pyrene	193-39-5	500	1,700	272	741	286	803	558	431
Isophorone	78-59-1	NC	139 U	139 U	140 U	169 U	150 U	144 U	107 U
m-Cresol & p-Cresol	MEPH1314	330**	113 J	26.4 J	24.1 J	337 U	76.1 J	288 U	215 U
Naphthalene	91-20-3	12,000	373	355	658	246	848	72.1 U	53.7 U
Nitrobenzene	98-95-3	NC	139 U	139 U	140 U	169 U	150 U	144 U	107 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	139 U	139 U	140 U	169 U	150 U	144 U	107 U
N-Nitrosodiphenylamine	86-30-6	NC	139 U	139 U	140 U	169 U	150 U	144 U	107 U
Pentachlorophenol	87-86-5	800	277 U	277 U	281 U	337 U	299 U	288 U	215 U
Phenanthrene	85-01-8	100,000	3,710	682	2,940	753	1290	291	823
Phenol	108-95-2	330	277 U	277 U	281 U	337 U	49.4 J	288 U	215 U
Pyrene	129-00-0	100,000	5,830	564	2,110	693	1,450	468	1,200
Pyridine	110-86-1	NC	277 U	277 U	281 U	337 U	299 U	288 U	215 U
Total SVOCs	NA	NC	90,150	54,024	70,382	61,944	39,759	80,810	16,241

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.
**- action level for Cresol applies to individual isomers.
(shaded) Exceeds Unrestricted SCO listed in Part 375.

Table 6B - Surface Soil Results Compared to Unrestricted SCOs
SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SS-134	SS-135	SS-136	SS-140	SS-143	SS-146
		Sample ID	SS-134-0-0.17-091916	SS-135-0-0.17-091916	SS-136-0-0.17-091916	SS-140-0-0.17-091916	SS-143-0-0.17-091916	SS-146-0-0.17-091916
		Sample Date	9/19/2016	9/19/2016	9/19/2016	9/19/2016	9/19/2016	9/19/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	2176860	2176860	2176860	2176860	2176860	2176860
		Start Depth	0	0	0	0	0	0
		End Depth	0.17	0.17	0.17	0.17	0.17	0.17
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]						
SVOCs								
1,1'-Biphenyl	92-52-4	NC	125 U	28.2 J	124 U	29.3 J	133 U	127 U
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	125 U	135 U	124 U	150 U	133 U	127 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	249 U	270 U	249 U	299 U	266 U	253 U
2,4,5-Trichlorophenol	95-95-4	NC	249 U	270 U	249 U	299 U	266 U	253 U
2,4,6-Trichlorophenol	88-06-2	NC	249 U	270 U	249 U	299 U	266 U	253 U
2,4-Dichlorophenol	120-83-2	NC	249 U	270 U	249 U	299 U	266 U	253 U
2,4-Dimethylphenol	105-67-9	NC	249 U	270 U	249 U	299 U	266 U	253 U
2,4-Dinitrophenol	51-28-5	NC	249 U	270 U	249 U	299 U	266 U	253 U
2,4-Dinitrotoluene	121-14-2	NC	125 U	135 U	124 U	150 U	133 U	127 U
2,6-Dinitrotoluene	606-20-2	NC	125 U	135 U	124 U	150 U	133 U	127 U
2-Chloronaphthalene	91-58-7	NC	125 U	135 U	124 U	150 U	133 U	127 U
2-Chlorophenol	95-57-8	NC	249 U	270 U	249 U	299 U	266 U	253 U
2-Methylnaphthalene	91-57-6	NC	125 U	184 J	10.2 J	234 J	133 U	10.1 J
2-Methylphenol	95-48-7	330	249 U	28.3 J	249 U	299 U	266 U	253 U
2-Nitroaniline	88-74-4	NC	249 U	270 U	249 U	299 U	266 U	253 U
2-Nitrophenol	88-75-5	NC	249 U	270 U	249 U	299 U	266 U	253 U
3,3-Dichlorobenzidine	91-94-1	NC	249 U	270 U	249 U	299 U	266 U	253 U
3-Nitroaniline	99-09-2	NC	249 U	270 U	249 U	299 U	266 U	253 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	249 U	270 U	249 U	299 U	266 U	253 U
4-Bromophenyl-phenylether	101-55-3	NC	125 U	135 U	124 U	150 U	133 U	127 U
4-Chloro-3-methylphenol	59-50-7	NC	249 U	270 U	249 U	299 U	266 U	253 U
4-Chloroaniline	106-47-8	NC	249 U	270 U	249 U	299 U	266 U	253 U
4-Chlorophenyl-phenylether	7005-72-3	NC	125 U	135 U	124 U	150 U	133 U	127 U
4-Nitroaniline	100-01-6	NC	249 U	270 U	249 U	299 U	266 U	253 U
4-Nitrophenol	100-02-7	NC	249 U	270 U	249 U	299 U	266 U	253 U
Acenaphthene	83-32-9	20,000	62.3 U	183	62.2 U	29.2 J	66.4 U	63.3 U
Acenaphthylene	208-96-8	100,000	9 J	982	9.7 J	355	66.4 U	63.3 U
Acetophenone	98-86-2	NC	125 U	135 U	124 U	150 U	133 U	127 U
Anthracene	120-12-7	100,000	19 J	983	14.7 J	219	11.6 J	63.3 U
Atrazine	1912-24-9	NC	125 U	135 U	124 U	150 U	133 U	127 U
Benzaldehyde	100-52-7	NC	22.4 J	86.7 J	249 U	181 J	266 U	253 U
Benzidine	92-87-5	NC	249 U	270 U	249 U	299 U	266 U	253 U
Benzo[a]anthracene	56-55-3	1,000	94.5	3,920	84.7	1,020	57 J	53.2 J
Benzo[a]pyrene	50-32-8	1,000	106	3,780	92.4	1,890	69.3	66.7
Benzo[b]fluoranthene	205-99-2	1,000	134	5,840	130	3,180	107	90.1
Benzo[g,h,i]perylene	191-24-2	100,000	80.5	1,990	59.7 J	1,050	56.7 J	43 J
Benzo[k]fluoranthene	207-08-9	800	68.5	2,200	52.9 J	1,020	46.6 J	63.3 U
Bis(2-Chloroethoxy)methane	111-91-1	NC	125 U	135 U	124 U	150 U	133 U	127 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	125 U	135 U	124 U	150 U	133 U	127 U
Bis(2-Chloroisopropyl)ether	108-60-1	NC	125 U	135 U	124 U	150 U	133 U	127 U
Bis(2-Ethylhexyl)phthalate	117-81-7	NC	125 U	135 U	124 U	150 U	133 U	127 U
Butylbenzylphthalate	85-68-7	NC	125 U	135 U	124 U	150 U	133 U	127 U
Caprolactam	105-60-2	NC	249 UJ	270 UJ	249 UJ	299 UJ	266 UJ	253 UJ
Carbazole	86-74-8	NC	13 J	372	10.2 J	79.9 J	12.7 J	10.2 J
Chrysene	218-01-9	1,000	92.8	4,140	103	1,780	64.7 J	68.1
Dibenzo[a,h]Anthracene	53-70-3	330	25.8 J	582	14.7 J	358	66.4 U	12.8 J
Dibenzofuran	132-64-9	7,000	125 U	148	124 U	94.8 J	133 U	127 U
Diethylphthalate	84-66-2	NC	125 U	135 U	124 U	150 U	133 U	127 U
Dimethylphthalate	131-11-3	NC	125 U	135 U	124 U	150 U	133 U	127 U
Di-n-butylphthalate	84-74-2	NC	125 U	135 U	124 U	150 U	133 U	127 U
Di-n-octylphthalate	117-84-0	NC	125 UJ	135 UJ	124 UJ	150 UJ	133 UJ	127 UJ
Fluoranthene	206-44-0	100,000	161	8,170	161	980	123	120
Fluorene	86-73-7	30,000	62.3 U	205	62.2 U	45.8 J	66.4 U	63.3 U
Hexachlorobenzene	118-74-1	330	125 U	135 U	124 U	150 U	133 U	127 U
Hexachlorobutadiene	87-68-3	NC	125 U	135 U	124 U	150 U	133 U	127 U
Hexachlorocyclopentadiene	77-47-4	NC	249 U	270 U	249 U	299 U	266 U	253 U
Hexachloroethane	67-72-1	NC	125 U	135 U	124 U	150 U	133 U	127 U
Indeno[1,2,3-cd]pyrene	193-39-5	500	72.4	2,340	62.1 J	1,240	65 J	47.3 J
Isophorone	78-59-1	NC	125 U	135 U	124 U	150 U	133 U	127 U
m-Cresol & p-Cresol	MEPH1314	330**	249 U	64.8 J	249 U	299 U	266 U	253 U
Naphthalene	91-20-3	12,000	62.3 U	260	62.2 U	124	66.4 U	63.3 U
Nitrobenzene	98-95-3	NC	125 U	135 U	124 U	150 U	133 U	127 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	125 U	135 U	124 U	150 U	133 U	127 U
N-Nitrosodiphenylamine	86-30-6	NC	125 U	135 U	124 U	150 U	133 U	127 U
Pentachlorophenol	87-86-5	800	249 U	270 U	249 U	299 U	266 U	253 U
Phenanthrene	85-01-8	100,000	65.9	2,920	65.2	986	49.9 J	72.2
Phenol	108-95-2	330	249 U	60 J	249 U	299 U	266 U	253 U
Pyrene	129-00-0	100,000	157	7,900	150	1,050	126	129
Pyridine	110-86-1	NC	249 U	270 U	249 U	299 U	266 U	253 U
Total SVOCs	NA	NC	4,765	23,228	11,241	49,520	10,099	3,639

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.
**- action level for Cresol applies to individual isomers.
Exceeds Unrestricted SCO listed in Part 375.

Table 6B - Surface Soil Results Compared to Unrestricted SCOs
SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SS-148	SS-149	SS-150	SS-150	SS-152	SS-153
		Sample ID	SS-148-0-0.17-092016	SS-149-0-0.17-091916	DUP-006-091916	SS-150-0-0.17-091916	SS-152-0-0.17-091916	SS-153-0-0.17-091916
		Sample Date	9/20/2016	9/19/2016	9/19/2016	9/19/2016	9/19/2016	9/19/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	2177436	2176860	2176860	2176860	2176860	2176860
		Start Depth	0	0	0	0	0	0
		End Depth	0.17	0.17	0.17	0.17	0.17	0.17
Chemical Name	**CAS #**	**NY Part 375 Unrestricted SCO[1]**						
SVOCs								
1,1'-Biphenyl	92-52-4	NC	33.2 J	25.3 J	126 U	129 U	120 U	121 U
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	127 U	126 U	126 U	129 U	120 U	121 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	254 U	252 U	253 U	258 U	241 U	242 U
2,4,5-Trichlorophenol	95-95-4	NC	254 U	252 U	253 U	258 U	241 U	242 U
2,4,6-Trichlorophenol	88-06-2	NC	254 U	252 U	253 U	258 U	241 U	242 U
2,4-Dichlorophenol	120-83-2	NC	254 U	252 U	253 U	258 U	241 U	242 U
2,4-Dimethylphenol	105-67-9	NC	254 U	252 U	253 U	258 U	241 U	242 U
2,4-Dinitrophenol	51-28-5	NC	444 R	252 U	253 U	258 U	241 U	242 U
2,4-Dinitrotoluene	121-14-2	NC	127 U	126 U	126 U	129 U	120 U	121 U
2,6-Dinitrotoluene	606-20-2	NC	127 U	126 U	126 U	129 U	120 U	121 U
2-Chloronaphthalene	91-58-7	NC	127 U	126 U	126 U	129 U	120 U	121 U
2-Chlorophenol	95-57-8	NC	254 U	252 U	253 U	258 U	241 U	242 U
2-Methylnaphthalene	91-57-6	NC	233	180 J	34 J	22.4 J	16.1 J	8.3 J
2-Methylphenol	95-48-7	330	254 U	252 U	253 U	258 U	241 U	242 U
2-Nitroaniline	88-74-4	NC	254 U	252 U	253 U	258 U	241 U	242 U
2-Nitrophenol	88-75-5	NC	254 U	252 U	253 U	258 U	241 U	242 U
3,3-Dichlorobenzidine	91-94-1	NC	254 U	252 U	253 U	258 U	241 U	242 U
3-Nitroaniline	99-09-2	NC	254 U	252 U	253 U	258 U	241 U	242 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	254 UJ	252 U	253 U	258 U	241 U	242 U
4-Bromophenyl-phenylether	101-55-3	NC	127 U	126 U	126 U	129 U	120 U	121 U
4-Chloro-3-methylphenol	59-50-7	NC	254 U	252 U	253 U	258 U	241 U	242 U
4-Chloroaniline	106-47-8	NC	254 U	252 U	253 U	258 U	241 U	242 U
4-Chlorophenyl-phenylether	7005-72-3	NC	127 U	126 U	126 U	129 U	120 U	121 U
4-Nitroaniline	100-01-6	NC	254 U	252 U	253 U	258 U	241 U	242 U
4-Nitrophenol	100-02-7	NC	254 U	252 U	253 U	258 U	241 U	242 U
Acenaphthene	83-32-9	20,000	48.2 J	63.2	63.2 U	64.5 U	60.1 U	60.6 U
Acenaphthylene	208-96-8	100,000	105	1,050	19.5 J	15.3 J	41.3 J	13.4 J
Acetophenone	98-86-2	NC	127 U	126 U	126 U	129 U	120 U	121 U
Anthracene	120-12-7	100,000	199	722	24.4 J	16.8 J	31.4 J	13.8 J
Atrazine	1912-24-9	NC	127 U	126 U	126 U	129 U	120 U	121 U
Benzaldehyde	100-52-7	NC	169 J	88.1 J	253 U	258 U	241 U	242 U
Benzidine	92-87-5	NC	254 R	252 U	253 U	258 U	241 U	242 U
Benzo[a]anthracene	56-55-3	1,000	842	2,970	109	94.7	158	56.7 J
Benzo[a]pyrene	50-32-8	1,000	898	3,100	119	119	190	62.5
Benzo[b]fluoranthene	205-99-2	1,000	1,270	4,800	169	162	308	91
Benzo[g,h,i]perylene	191-24-2	100,000	654	1,790	80.1	77.5	124	46.1 J
Benzo[k]fluoranthene	207-08-9	800	456	2,040	73.3	59.3 J	113	60.6 U
Bis(2-Chloroethoxy)methane	111-91-1	NC	127 U	126 U	126 U	129 U	120 U	121 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	127 U	126 U	126 U	129 U	120 U	121 U
Bis(2-Chloroisopropyl)ether	108-60-1	NC	127 U	126 U	126 U	129 U	120 U	121 U
Bis(2-Ethylhexyl)phthalate	117-81-7	NC	317 U	126 U	126 U	129 U	120 U	121 U
Butylbenzylphthalate	85-68-7	NC	127 U	126 U	126 U	129 U	120 U	121 U
Caprolactam	105-60-2	NC	254 U	252 UJ	253 UJ	258 UJ	241 UJ	242 UJ
Carbazole	86-74-8	NC	134	280	13 J	13.8 J	19.9 J	11.2 J
Chrysene	218-01-9	1,000	1,080	3,460	133	120	215	61.1
Dibenzo[a,h]Anthracene	53-70-3	330	185	540	21.6 J	23 J	39.4 J	13.1 J
Dibenzofuran	132-64-9	7,000	88.6 J	116 J	126 U	129 U	120 U	121 U
Diethylphthalate	84-66-2	NC	127 U	126 U	126 U	129 U	120 U	121 U
Dimethylphthalate	131-11-3	NC	127 U	126 U	126 U	129 U	120 U	121 U
Di-n-butylphthalate	84-74-2	NC	127 U	126 U	126 U	129 U	120 U	121 U
Di-n-octylphthalate	117-84-0	NC	127 U	126 UJ	126 UJ	129 UJ	120 UJ	121 UJ
Fluoranthene	206-44-0	100,000	1,700	5,930	235	202	267	123
Fluorene	86-73-7	30,000	69.6	140	63.2 U	64.5 U	60.1 U	60.6 U
Hexachlorobenzene	118-74-1	330	127 U	126 U	126 U	129 U	120 U	121 U
Hexachlorobutadiene	87-68-3	NC	127 U	126 U	126 U	129 U	120 U	121 U
Hexachlorocyclopentadiene	77-47-4	NC	254 UJ	252 U	253 U	258 U	241 U	242 U
Hexachloroethane	67-72-1	NC	127 U	126 U	126 U	129 U	120 U	121 U
Indeno[1,2,3-cd]pyrene	193-39-5	500	693	2,130	79.6	75.4	127	44.6 J
Isophorone	78-59-1	NC	127 U	126 U	126 U	129 U	120 U	121 U
m-Cresol & p-Cresol	MEPH1314	330**	254 U	252 U	253 U	258 U	241 U	242 U
Naphthalene	91-20-3	12,000	157	239	63.2 U	64.5 U	60.1 U	60.6 U
Nitrobenzene	98-95-3	NC	127 U	126 U	126 U	129 U	120 U	121 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	127 U	126 U	126 U	129 U	120 U	121 U
N-Nitrosodiphenylamine	86-30-6	NC	127 U	126 U	126 U	129 U	120 U	121 U
Pentachlorophenol	87-86-5	800	254 U	252 U	253 U	258 U	241 U	242 U
Phenanthrene	85-01-8	100,000	1,040	1830	96.8	94.7	113	64.6
Phenol	108-95-2	330	254 U	252 U	253 U	258 U	241 U	242 U
Pyrene	129-00-0	100,000	1,450	6150	235	216	336	130
Pyridine	110-86-1	NC	254 U	252 U	253 U	258 U	241 U	242 U
Total SVOCs	NA	NC	83,050	33,490	17,061	12,510	9,229	10,060

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.
**- action level for Cresol applies to individual isomers.
Exceeds Unrestricted SCO listed in Part 375.

Table 6B1 - Existing Surface Cover Soil Results Compared to Unrestricted SCOs
SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SS-101	SS-103	SS-105	SS-106	SS-108	SS-109
		Sample ID	SS-101-0-0.17-092016	SS-103-0-0.17-092016	SS-105-0-0.17-091916	SS-106-0-0.17-091916	SS-108-0-0.17-091916	SS-109-0-0.17-091916
		Sample Date	9/20/2016	9/20/2016	9/19/2016	9/19/2016	9/19/2016	9/19/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	2177436	2177436	2176860	2176860	2176860	2176860
		Start Depth	0	0	0	0	0	0
		End Depth	0.17	0.17	0.17	0.17	0.17	0.17
Chemical Name	**CAS #**	**NY Part 375 Unrestricted SCO[1]**						
SVOCs								
1,1'-Biphenyl	92-52-4	NC	119 U	123 U	168 U	13.6 J	130 U	36.1 J
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	119 U	123 U	168 U	149 U	130 U	152 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	238 U	246 U	335 U	298 U	260 U	304 U
2,4,5-Trichlorophenol	95-95-4	NC	238 U	246 U	335 U	298 U	260 U	304 U
2,4,6-Trichlorophenol	88-06-2	NC	238 U	246 U	335 U	298 U	260 U	304 U
2,4-Dichlorophenol	120-83-2	NC	238 U	246 U	335 U	298 U	260 U	304 U
2,4-Dimethylphenol	105-67-9	NC	238 U	246 U	335 U	298 U	260 U	304 U
2,4-Dinitrophenol	51-28-5	NC	417 U	430 U	335 U	298 U	260 U	304 U
2,4-Dinitrotoluene	121-14-2	NC	119 U	123 U	168 U	149 U	130 U	152 U
2,6-Dinitrotoluene	606-20-2	NC	119 U	123 U	168 U	149 U	130 U	152 U
2-Chloronaphthalene	91-58-7	NC	119 U	123 U	168 U	149 U	130 U	152 U
2-Chlorophenol	95-57-8	NC	238 U	246 U	335 U	298 U	260 U	304 U
2-Methylnaphthalene	91-57-6	NC	119 U	123 U	16.4 J	145 J	11.2 J	404 J
2-Methylphenol	95-48-7	330	238 U	246 U	335 U	298 U	260 U	304 U
2-Nitroaniline	88-74-4	NC	238 U	246 U	335 U	298 U	260 U	304 U
2-Nitrophenol	88-75-5	NC	238 U	246 U	335 U	298 U	260 U	304 U
3,3-Dichlorobenzidine	91-94-1	NC	238 U	246 U	335 U	298 U	260 U	304 U
3-Nitroaniline	99-09-2	NC	238 U	246 U	335 U	298 U	260 U	304 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	238 U	246 U	335 U	298 U	260 U	304 U
4-Bromophenyl-phenylether	101-55-3	NC	119 U	123 U	168 U	149 U	130 U	152 U
4-Chloro-3-methylphenol	59-50-7	NC	238 U	246 U	335 U	298 U	260 U	304 U
4-Chloroaniline	106-47-8	NC	238 U	246 U	335 U	298 U	260 U	304 U
4-Chlorophenyl-phenylether	7005-72-3	NC	119 U	123 U	168 U	149 U	130 U	152 U
4-Nitroaniline	100-01-6	NC	238 U	246 U	335 U	298 U	260 U	304 U
4-Nitrophenol	100-02-7	NC	238 U	246 U	335 U	298 U	260 U	304 U
Acenaphthene	83-32-9	20,000	59.6 U	61.4 U	13.6 J	52 J	11.1 J	24.4 J
Acenaphthylene	208-96-8	100,000	59.6 U	40.4 J	48.7 J	73.4 J	16.9 J	180
Acetophenone	98-86-2	NC	119 U	123 U	168 U	149 U	130 U	152 U
Anthracene	120-12-7	100,000	59.6 U	79.7	96.2	233	35.1 J	247
Atrazine	1912-24-9	NC	119 U	123 U	168 U	149 U	130 U	24.2 J
Benzaldehyde	100-52-7	NC	238 U	246 U	108 J	175 J	59.3 J	122 J
Benzidine	92-87-5	NC	238 U	246 U	335 U	298 U	260 U	304 U
Benzo[a]anthracene	56-55-3	1,000	59.6 U	286	500	1,000	172	756
Benzo[a]pyrene	50-32-8	1,000	51.9 J	315	613	1,130	228	995
Benzo[b]fluoranthene	205-99-2	1,000	73.6	440	698	1,490	304	1,820
Benzo[g,h,i]perylene	191-24-2	100,000	41.9 J	239	581	696	162	693
Benzo[k]fluoranthene	207-08-9	800	59.6 U	160	255	527	109	597
Bis(2-Chloroethoxy)methane	111-91-1	NC	119 U	123 U	168 U	149 U	130 U	152 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	119 U	123 U	168 U	149 U	130 U	152 U
Bis(2-Chloroisopropyl)ether	108-60-1	NC	119 U	123 U	168 U	149 U	130 U	152 U
Bis(2-Ethylhexyl)phthalate	117-81-7	NC	298 U	307 U	417	149 U	130 U	152 U
Butylbenzylphthalate	85-68-7	NC	119 U	123 U	168 U	149 U	130 U	152 U
Caprolactam	105-60-2	NC	238 U	246 U	335 UJ	298 UJ	260 UJ	304 UJ
Carbazole	86-74-8	NC	119 U	40.8 J	41.3 J	150	23.9 J	105 J
Chrysene	218-01-9	1,000	45.8 J	309	610	1,180	210	1,100
Dibenzo[a,h]Anthracene	53-70-3	330	59.6 U	64.4	153	171	44 J	196
Dibenzofuran	132-64-9	7,000	119 U	123 U	168 U	63.9 J	130 U	129 J
Diethylphthalate	84-66-2	NC	119 U	123 U	168 U	149 U	130 U	152 U
Dimethylphthalate	131-11-3	NC	119 U	123 U	168 U	149 U	130 U	152 U
Di-n-butylphthalate	84-74-2	NC	119 U	123 U	168 U	149 U	130 U	152 U
Di-n-octylphthalate	117-84-0	NC	119 U	123 U	168 UJ	149 UJ	130 UJ	152 UJ
Fluoranthene	206-44-0	100,000	102	637	1010	1,940	314	1,090
Fluorene	86-73-7	30,000	59.6 U	61.4 U	15.8 J	63.4 J	11.2 J	76 U
Hexachlorobenzene	118-74-1	330	119 U	123 U	168 U	149 U	130 U	152 U
Hexachlorobutadiene	87-68-3	NC	119 U	123 U	168 U	149 U	130 U	152 U
Hexachlorocyclopentadiene	77-47-4	NC	238 U	246 U	335 U	298 U	260 U	304 U
Hexachloroethane	67-72-1	NC	119 U	123 U	168 U	149 U	130 U	152 U
Indeno[1,2,3-cd]pyrene	193-39-5	500	53.8 J	242	359	756	175	738
Isophorone	78-59-1	NC	119 U	123 U	168 U	149 U	130 U	152 U
m-Cresol & p-Cresol	MEPH1314	330**	238 U	246 U	335 U	298 U	260 U	304 U
Naphthalene	91-20-3	12,000	59.6 U	61.4 U	83.8 U	119	65.1 U	356
Nitrobenzene	98-95-3	NC	119 U	123 U	168 U	149 U	130 U	152 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	119 U	123 U	168 U	149 U	130 U	152 U
N-Nitrosodiphenylamine	86-30-6	NC	119 U	123 U	168 U	149 U	130 U	152 U
Pentachlorophenol	87-86-5	800	238 U	246 U	335 U	298 U	260 U	304 U
Phenanthrene	85-01-8	100,000	45.7 J	302	427	1100	147	505
Phenol	108-95-2	330	238 U	246 U	335 U	298 U	280	304 U
Pyrene	129-00-0	100,000	83.3	508	943	2,280	362	1,330
Pyridine	110-86-1	NC	238 U	246 U	335 U	298 U	260 U	304 U
Total SVOCs	NA	NC	29,248	18,867	31,100	59,940	11,427	25,483

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample

T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.

**- action level for Cresol applies to individual isomers.

[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.

Exceeds Unrestricted SCO listed in Part 375.

Table 6B1 - Existing Surface Cover Soil Results Compared to Unrestricted SCOs
SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SS-110	SS-111	SS-112	SS-113	SS-113	SS-114
		Sample ID	SS-110-1-2-092116	SS-111-0-0.17-091916	SS-112-0-0.17-091916	DUP-005-092116	SS-113-1-2-092116	SS-114-0-0.17-092016
		Sample Date	9/21/2016	9/19/2016	9/19/2016	9/21/2016	9/21/2016	9/20/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	2177433	2176860	2176860	2177433	2177433	2177436
		Start Depth	1	0	0	1	1	0
		End Depth	2	0.17	0.17	2	2	0.17
Chemical Name	**CAS #**	**NY Part 375 Unrestricted SCO[1]**						
SVOCs								
1,1'-Biphenyl	92-52-4	NC	103 J	58.7 J	79.8 J	28.9 J	61.2 J	89.1 J
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	108 U	170 U	139 U	106 U	108 U	139 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	217 U	340 U	277 U	212 U	216 U	277 U
2,4,5-Trichlorophenol	95-95-4	NC	217 U	340 U	277 U	212 U	216 U	277 U
2,4,6-Trichlorophenol	88-06-2	NC	217 U	340 U	277 U	212 U	216 U	277 U
2,4-Dichlorophenol	120-83-2	NC	217 U	340 U	277 U	212 U	216 U	277 U
2,4-Dimethylphenol	105-67-9	NC	217 U	340 U	277 U	212 U	216 U	277 U
2,4-Dinitrophenol	51-28-5	NC	217 UJ	340 U	277 U	371 U	216 UJ	486 U
2,4-Dinitrotoluene	121-14-2	NC	108 U	170 U	139 U	106 U	108 U	139 U
2,6-Dinitrotoluene	606-20-2	NC	108 U	170 U	139 U	106 U	108 U	139 U
2-Chloronaphthalene	91-58-7	NC	108 U	170 U	139 U	106 U	108 U	139 U
2-Chlorophenol	95-57-8	NC	217 U	340 U	277 U	212 U	216 U	277 U
2-Methylnaphthalene	91-57-6	NC	1150 J	725 J	571 J	155	434 J	745
2-Methylphenol	95-48-7	330	217 U	340 U	24.4 J	212 U	216 U	277 U
2-Nitroaniline	88-74-4	NC	217 U	340 U	277 U	212 U	216 U	277 U
2-Nitrophenol	88-75-5	NC	217 U	340 U	277 U	212 U	216 U	277 U
3,3-Dichlorobenzidine	91-94-1	NC	217 U	340 U	277 U	212 U	216 U	277 U
3-Nitroaniline	99-09-2	NC	217 U	340 U	277 U	212 U	216 U	277 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	217 U	340 U	277 U	212 U	216 U	277 U
4-Bromophenyl-phenylether	101-55-3	NC	108 U	170 U	139 U	106 U	108 U	139 U
4-Chloro-3-methylphenol	59-50-7	NC	217 U	340 U	277 U	212 U	216 U	277 U
4-Chloroaniline	106-47-8	NC	217 U	340 U	277 U	212 U	216 U	277 U
4-Chlorophenyl-phenylether	7005-72-3	NC	108 U	170 U	139 U	106 U	108 U	139 U
4-Nitroaniline	100-01-6	NC	217 U	340 U	277 U	212 U	216 U	277 U
4-Nitrophenol	100-02-7	NC	217 UJ	340 U	277 U	212 U	216 UJ	277 U
Acenaphthene	83-32-9	20,000	54.2 U	43.3 J	247	36.6 J	63.9	69.4 U
Acenaphthylene	208-96-8	100,000	54.2 U	148	357	44.8 J	54.1 U	69.4 U
Acetophenone	98-86-2	NC	123	170 U	139 U	106 U	108 U	139 U
Anthracene	120-12-7	100,000	89.2	222	901	126	224	73.7
Atrazine	1912-24-9	NC	108 U	170 U	139 U	106 U	108 U	139 U
Benzaldehyde	100-52-7	NC	132 J	246 J	495	212 U	77.6 J	277 U
Benzidine	92-87-5	NC	217 U	340 U	277 U	212 U	216 U	277 U
Benzo[a]anthracene	56-55-3	1,000	194	951	2,740	385	642	298
Benzo[a]pyrene	50-32-8	1,000	193	1,070	2,860	367	593	364
Benzo[b]fluoranthene	205-99-2	1,000	366 J	1,740	3,650	507	831 J	541
Benzo[g,h,i]perylene	191-24-2	100,000	175	694	1570	247	365	261
Benzo[k]fluoranthene	207-08-9	800	106 J	627	1,390	185	312 J	186
Bis(2-Chloroethoxy)methane	111-91-1	NC	108 U	170 U	139 U	106 U	108 U	139 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	108 U	170 U	139 U	106 U	108 U	139 U
Bis(2-Chloroisopropyl)ether	108-60-1	NC	108 U	170 U	139 U	106 U	108 U	139 U
Bis(2-Ethylhexyl)phthalate	117-81-7	NC	8.8 J	170 U	139 U	265 U	108 U	347 U
Butylbenzylphthalate	85-68-7	NC	108 U	170 U	139 U	106 U	108 U	139 U
Caprolactam	105-60-2	NC	217 U	340 UJ	277 UJ	212 U	216 U	277 U
Carbazole	86-74-8	NC	48.5 J	113 J	337	62.4 J	96.2 J	54.9 J
Chrysene	218-01-9	1,000	369	1,210	2,910	437	720	453
Dibenzo[a,h]Anthracene	53-70-3	330	55.2	182	424	76.3	105	76.6
Dibenzofuran	132-64-9	7,000	280	196	233	66.3 J	142	177
Diethylphthalate	84-66-2	NC	108 U	170 U	139 U	106 U	108 U	139 U
Dimethylphthalate	131-11-3	NC	108 U	170 U	139 U	106 U	108 U	139 U
Di-n-butylphthalate	84-74-2	NC	108 U	170 U	139 U	106 U	108 U	139 U
Di-n-octylphthalate	117-84-0	NC	108 UJ	170 UJ	139 UJ	106 U	108 UJ	139 U
Fluoranthene	206-44-0	100,000	225	1,420	5,170	777	1280	652
Fluorene	86-73-7	30,000	32.4 J	55 J	256	41.3 J	75.8	69.4 U
Hexachlorobenzene	118-74-1	330	108 U	170 U	139 U	106 U	108 U	139 U
Hexachlorobutadiene	87-68-3	NC	108 U	170 U	139 U	106 U	108 U	139 U
Hexachlorocyclopentadiene	77-47-4	NC	217 U	340 U	277 U	212 U	216 U	277 U
Hexachloroethane	67-72-1	NC	108 U	170 U	139 U	106 U	108 U	139 U
Indeno[1,2,3-cd]pyrene	193-39-5	500	143	734	1,700	269	411	272
Isophorone	78-59-1	NC	108 U	170 U	139 U	106 U	108 U	139 U
m-Cresol & p-Cresol	MEPH1314	330**	18 J	340 U	113 J	212 U	8.7 J	26.4 J
Naphthalene	91-20-3	12,000	603 J	523	373	101	281 J	355
Nitrobenzene	98-95-3	NC	108 U	170 U	139 U	106 U	108 U	139 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	108 U	170 U	139 U	106 U	108 U	139 U
N-Nitrosodiphenylamine	86-30-6	NC	108 U	170 U	139 U	106 U	108 U	139 U
Pentachlorophenol	87-86-5	800	217 U	340 U	277 U	212 U	216 U	277 U
Phenanthrene	85-01-8	100,000	919	975	3,710	600	1,200	682
Phenol	108-95-2	330	217 U	34.3 J	277 U	212 U	216 U	277 U
Pyrene	129-00-0	100,000	314 J	1,810	5,830	640	1,200 J	564
Pyridine	110-86-1	NC	217 U	340 U	277 U	212 U	216 U	277 U
Total SVOCs	NA	NC	15,166	33,122	90,150	32,425	11,383	54,024

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample

T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.

**- action level for Cresol applies to individual isomers.

[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 6B1 - Existing Surface Cover Soil Results Compared to Unrestricted SCOs
SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SS-115	SS-116	SS-117	SS-118	SS-119	SS-120
		Sample ID	SS-115-0-0.17-092016	SS-116-0-0.17-092016	SS-117-1-1.5-092116	SS-118-1-2-092116	SS-119-0-0.5-092116	SS-120-0.5-1-092116
		Sample Date	9/20/2016	9/20/2016	9/21/2016	9/21/2016	9/21/2016	9/21/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	2177436	2177436	2177433	2177433	2177433	2177433
		Start Depth	0	0	1	1	0	0.5
		End Depth	0.17	0.17	1.5	2	0.5	1
Chemical Name	**CAS #**	**NY Part 375 Unrestricted SCO[1]**						
SVOCs								
1,1'-Biphenyl	92-52-4	NC	115 J	40.9 J	20.5 J	109 U	124 U	116 U
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	140 U	169 U	109 U	109 U	124 U	116 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	281 U	337 U	217 U	218 U	248 U	231 U
2,4,5-Trichlorophenol	95-95-4	NC	281 U	337 U	217 U	218 U	248 U	231 U
2,4,6-Trichlorophenol	88-06-2	NC	281 U	337 U	217 U	218 U	248 U	231 U
2,4-Dichlorophenol	120-83-2	NC	281 U	337 U	217 U	218 U	248 U	231 U
2,4-Dimethylphenol	105-67-9	NC	281 U	337 U	217 U	218 U	248 U	231 U
2,4-Dinitrophenol	51-28-5	NC	491 U	590 U	217 UJ	381 U	433 U	404 U
2,4-Dinitrotoluene	121-14-2	NC	140 U	169 U	109 U	109 U	124 U	116 U
2,6-Dinitrotoluene	606-20-2	NC	140 U	169 U	109 U	109 U	124 U	116 U
2-Chloronaphthalene	91-58-7	NC	140 U	169 U	109 U	109 U	124 U	116 U
2-Chlorophenol	95-57-8	NC	281 U	337 U	217 U	218 U	248 U	231 U
2-Methylnaphthalene	91-57-6	NC	945	372	197 J	103 J	22.6 J	280
2-Methylphenol	95-48-7	330	281 U	337 U	217 U	218 U	248 U	231 U
2-Nitroaniline	88-74-4	NC	281 U	337 U	217 U	218 U	248 U	231 U
2-Nitrophenol	88-75-5	NC	281 U	337 U	217 U	218 U	248 U	231 U
3,3-Dichlorobenzidine	91-94-1	NC	281 U	337 U	217 U	218 U	248 U	231 U
3-Nitroaniline	99-09-2	NC	281 U	337 U	217 U	218 U	248 U	231 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	281 U	337 U	217 U	218 U	248 U	231 U
4-Bromophenyl-phenylether	101-55-3	NC	140 U	169 U	109 U	109 U	124 U	116 U
4-Chloro-3-methylphenol	59-50-7	NC	281 U	337 U	217 U	218 U	248 U	231 U
4-Chloroaniline	106-47-8	NC	281 U	337 U	217 U	218 U	248 U	231 U
4-Chlorophenyl-phenylether	7005-72-3	NC	140 U	169 U	109 U	109 U	124 U	116 U
4-Nitroaniline	100-01-6	NC	281 U	337 U	217 U	218 U	248 U	231 U
4-Nitrophenol	100-02-7	NC	281 U	337 U	217 UJ	218 U	248 U	231 U
Acenaphthene	83-32-9	20,000	206	46.3 J	54.4 U	54.4 U	61.9 U	34.7 J
Acenaphthylene	208-96-8	100,000	70.1 U	84.3 U	54.4 U	22.2 J	54.2 J	57.8 U
Acetophenone	98-86-2	NC	140 U	169 U	109 U	109 U	124 U	116 U
Anthracene	120-12-7	100,000	587	119	23.6 J	27.1 J	76.1	104
Atrazine	1912-24-9	NC	140 U	169 U	109 U	109 U	124 U	116 U
Benzaldehyde	100-52-7	NC	281 U	335 J	51.3 J	218 U	64.9 J	35.3 J
Benzidine	92-87-5	NC	281 U	337 U	217 U	218 U	248 U	231 U
Benzo[a]anthracene	56-55-3	1,000	1,200	391	81.1	68.4	354	331
Benzo[a]pyrene	50-32-8	1,000	1,070	409	64.9	63.7	475	302
Benzo[b]fluoranthene	205-99-2	1,000	1,430	558	115 J	95	655	433
Benzo[g,h,i]perylene	191-24-2	100,000	647	277	53.5 J	44.2 J	422	210
Benzo[k]fluoranthene	207-08-9	800	508	197	30.3 J	32.7 J	240	151
Bis(2-Chloroethoxy)methane	111-91-1	NC	140 U	169 U	109 U	109 U	124 U	116 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	140 U	169 U	109 U	109 U	124 U	116 U
Bis(2-Chloroisopropyl)ether	108-60-1	NC	140 U	169 U	109 U	109 U	124 U	116 U
Bis(2-Ethylhexyl)phthalate	117-81-7	NC	351 U	422 U	11.7 J	272 U	309 U	289 U
Butylbenzylphthalate	85-68-7	NC	140 U	169 U	109 U	109 U	124 U	116 U
Caprolactam	105-60-2	NC	281 U	337 U	217 U	218 U	248 U	231 U
Carbazole	86-74-8	NC	377	80.7 J	12.7 J	17 J	33.6 J	51.5 J
Chrysene	218-01-9	1,000	1,270	556	169	91	437	417
Dibenzo[a,h]Anthracene	53-70-3	330	201	86.4	26.4 J	54.4 U	102	71.7
Dibenzofuran	132-64-9	7,000	384	99.7 J	64.3 J	31.9 J	124 U	86.7 J
Diethylphthalate	84-66-2	NC	140 U	169 U	109 U	109 U	124 U	116 U
Dimethylphthalate	131-11-3	NC	140 U	169 U	109 U	109 U	124 U	116 U
Di-n-butylphthalate	84-74-2	NC	140 U	169 U	109 U	109 U	124 U	116 U
Di-n-octylphthalate	117-84-0	NC	140 U	169 U	109 UJ	109 U	124 U	116 U
Fluoranthene	206-44-0	100,000	2,760	806	104	129	663	619
Fluorene	86-73-7	30,000	255	53.6 J	11.2 J	54.4 U	61.9 U	37.6 J
Hexachlorobenzene	118-74-1	330	140 U	169 U	109 U	109 U	124 U	116 U
Hexachlorobutadiene	87-68-3	NC	140 U	169 U	109 U	109 U	124 U	116 U
Hexachlorocyclopentadiene	77-47-4	NC	281 U	337 U	217 U	218 U	248 U	231 U
Hexachloroethane	67-72-1	NC	140 U	169 U	109 U	109 U	124 U	116 U
Indeno[1,2,3-cd]pyrene	193-39-5	500	741	286	41.1 J	42.6 J	408	206
Isophorone	78-59-1	NC	140 U	169 U	109 U	109 U	124 U	116 U
m-Cresol & p-Cresol	MEPH1314	330**	24.1 J	337 U	217 U	218 U	43.5 J	231 U
Naphthalene	91-20-3	12,000	658	246	120 J	59.7	61.9 U	175
Nitrobenzene	98-95-3	NC	140 U	169 U	109 U	109 U	124 U	116 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	140 U	169 U	109 U	109 U	124 U	116 U
N-Nitrosodiphenylamine	86-30-6	NC	140 U	169 U	109 U	109 U	124 U	116 U
Pentachlorophenol	87-86-5	800	281 U	337 U	217 U	218 U	248 U	231 U
Phenanthrene	85-01-8	100,000	2,940	753	386	166	247	604
Phenol	108-95-2	330	281 U	337 U	217 U	218 U	248 U	231 U
Pyrene	129-00-0	100,000	2,110	693	127 J	110	620	537
Pyridine	110-86-1	NC	281 U	337 U	217 U	218 U	248 U	231 U
Total SVOCs	NA	NC	70,382	61,944	6,062	15,426	47,050	17,270

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample

T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.

**- action level for Cresol applies to individual isomers.

[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.

Exceeds Unrestricted SCO listed in Part 375.

Table 6B1 - Existing Surface Cover Soil Results Compared to Unrestricted SCOs
SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SS-122	SS-123	SS-124	SS-125	SS-129	SS-130
		Sample ID	SS-122-1.5-2-092116	SS-123-0-0.17-092016	SS-124-1-2-092216	SS-125-1-2-092216	SS-129-0-0.17-092016	SS-130-0.5-1.5-092216
		Sample Date	9/21/2016	9/20/2016	9/22/2016	9/22/2016	9/20/2016	9/22/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	2177433	2177436	2177432	2177432	2177436	2177432
		Start Depth	1.5	0	1	1	0	0.5
		End Depth	2	0.17	2	2	0.17	1.5
Chemical Name	**CAS #**	**NY Part 375 Unrestricted SCO[1]**						
SVOCs								
1,1'-Biphenyl	92-52-4	NC	74.8 J	91.8 J	37 J	147	144 U	35 J
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	122 U	150 U	115 U	111 U	144 U	117 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	243 U	299 U	230 U	222 U	288 U	235 U
2,4,5-Trichlorophenol	95-95-4	NC	243 U	299 U	230 U	222 U	288 U	235 U
2,4,6-Trichlorophenol	88-06-2	NC	243 U	299 U	230 U	222 U	288 U	235 U
2,4-Dichlorophenol	120-83-2	NC	243 U	299 U	230 U	222 U	288 U	235 U
2,4-Dimethylphenol	105-67-9	NC	243 U	299 U	230 UJ	222 U	288 U	235 U
2,4-Dinitrophenol	51-28-5	NC	425 U	524 U	230 U	222 U	505 U	235 U
2,4-Dinitrotoluene	121-14-2	NC	122 U	150 U	115 UJ	111 U	144 U	117 U
2,6-Dinitrotoluene	606-20-2	NC	122 U	150 U	115 U	111 U	144 U	117 U
2-Chloronaphthalene	91-58-7	NC	122 U	150 U	115 U	111 U	144 U	117 U
2-Chlorophenol	95-57-8	NC	243 U	299 U	230 U	222 U	288 U	235 U
2-Methylnaphthalene	91-57-6	NC	600	1190	297 J	2070 J	62.1 J	258 J
2-Methylphenol	95-48-7	330	243 U	299 U	230 U	222 U	288 U	235 U
2-Nitroaniline	88-74-4	NC	243 U	299 U	230 U	222 U	288 U	235 U
2-Nitrophenol	88-75-5	NC	243 U	299 U	230 U	222 U	288 U	235 U
3,3-Dichlorobenzidine	91-94-1	NC	243 U	299 U	230 UJ	222 U	288 U	235 U
3-Nitroaniline	99-09-2	NC	243 U	299 U	230 UJ	222 U	288 U	235 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	243 U	299 U	230 UJ	222 U	288 U	235 U
4-Bromophenyl-phenylether	101-55-3	NC	122 U	150 U	115 U	111 U	144 U	117 U
4-Chloro-3-methylphenol	59-50-7	NC	243 U	299 U	230 U	222 U	288 U	235 U
4-Chloroaniline	106-47-8	NC	243 U	68.7 J	230 UJ	222 U	288 U	235 U
4-Chlorophenyl-phenylether	7005-72-3	NC	122 U	150 U	115 U	111 U	144 U	117 U
4-Nitroaniline	100-01-6	NC	243 U	299 U	230 U	222 U	288 U	235 U
4-Nitrophenol	100-02-7	NC	243 U	299 U	230 U	222 U	288 U	235 U
Acenaphthene	83-32-9	20,000	633	74.8 U	52.1 J	189	72.1 U	24.2 J
Acenaphthylene	208-96-8	100,000	60.8 U	212	867	55.5 U	34.1 J	58.7 U
Acetophenone	98-86-2	NC	122 U	150 U	115 U	111 U	144 U	117 U
Anthracene	120-12-7	100,000	1,340	331	1,040	560	79.3	44.7 J
Atrazine	1912-24-9	NC	122 U	150 U	115 U	111 U	144 U	117 U
Benzaldehyde	100-52-7	NC	46.1 J	532	59.6 J	222 U	160 J	235 U
Benzidine	92-87-5	NC	243 U	299 U	230 R	222 U	288 U	235 U
Benzo[a]anthracene	56-55-3	1,000	1,650	834	1,410	1,540	293	144
Benzo[a]pyrene	50-32-8	1,000	1,330	1,010	2,610	1,750	710	150
Benzo[b]fluoranthene	205-99-2	1,000	1,670	1,740	4,350	2,660	628	214
Benzo[g,h,i]perylene	191-24-2	100,000	650	762	2,320	1,320	1,070	132
Benzo[k]fluoranthene	207-08-9	800	675	554	1,310	918	215	85.8
Bis(2-Chloroethoxy)methane	111-91-1	NC	122 U	150 U	115 U	111 U	144 U	117 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	122 U	150 U	115 U	111 U	144 U	117 U
Bis(2-Chloroisopropyl)ether	108-60-1	NC	122 U	150 U	115 U	111 U	144 U	117 U
Bis(2-Ethylhexyl)phthalate	117-81-7	NC	304 U	374 U	115 U	111 U	629	117 U
Butylbenzylphthalate	85-68-7	NC	122 U	38.1 J	115 U	111 U	144 U	117 U
Caprolactam	105-60-2	NC	243 U	299 U	230 UJ	222 UJ	288 U	235 UJ
Carbazole	86-74-8	NC	640	139 J	208	304	58.7 J	27.2 J
Chrysene	218-01-9	1,000	1,640	1,230	1,970	2,130	391	200
Dibenzo[a,h]Anthracene	53-70-3	330	212	224	572	317	572	58.7 U
Dibenzofuran	132-64-9	7,000	555	320	104 J	629	144 U	58.1 J
Diethylphthalate	84-66-2	NC	122 U	150 U	115 U	111 U	144 U	117 U
Dimethylphthalate	131-11-3	NC	122 U	150 U	115 U	111 U	144 U	117 U
Di-n-butylphthalate	84-74-2	NC	122 U	150 U	115 U	237	144 U	117 U
Di-n-octylphthalate	117-84-0	NC	122 U	150 U	115 UJ	111 UJ	144 U	117 UJ
Fluoranthene	206-44-0	100,000	3,930	1,590	1,400	3,050	570	225
Fluorene	86-73-7	30,000	673	75.4	83.1	215	72.1 U	58.7 U
Hexachlorobenzene	118-74-1	330	122 U	150 U	115 U	111 U	144 U	117 U
Hexachlorobutadiene	87-68-3	NC	122 U	150 U	115 U	111 U	144 U	117 U
Hexachlorocyclopentadiene	77-47-4	NC	243 U	299 U	230 U	222 U	288 U	235 U
Hexachloroethane	67-72-1	NC	122 U	150 U	115 U	111 U	144 U	117 U
Indeno[1,2,3-cd]pyrene	193-39-5	500	760	803	2,170	1,300	558	124
Isophorone	78-59-1	NC	122 U	150 U	115 U	111 U	144 U	117 U
m-Cresol & p-Cresol	MEPH1314	330**	32.4 J	76.1 J	230 U	222 U	288 U	235 U
Naphthalene	91-20-3	12,000	561	848	239	1,090	72.1 U	173
Nitrobenzene	98-95-3	NC	122 U	150 U	115 U	111 U	144 U	117 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	122 U	150 U	115 U	111 U	144 U	117 U
N-Nitrosodiphenylamine	86-30-6	NC	122 U	150 U	115 U	111 U	144 U	117 U
Pentachlorophenol	87-86-5	800	243 U	299 U	230 U	222 U	288 U	235 U
Phenanthrene	85-01-8	100,000	4930	1290	731	4,430	291	293
Phenol	108-95-2	330	243 U	49.4 J	230 U	222 U	288 U	235 U
Pyrene	129-00-0	100,000	3,210	1,450	2,020	3,850	468	276
Pyridine	110-86-1	NC	243 U	299 U	230 U	222 U	288 U	235 U
Total SVOCs	NA	NC	12,196	39,759	19,978	26,020	80,810	6,034

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample

T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.

**- action level for Cresol applies to individual isomers.

[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 6B1 - Existing Surface Cover Soil Results Compared to Unrestricted SCOs
SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SS-131	SS-132	SS-133	SS-134	SS-135	SS-136
		Sample ID	SS-131-0-0.17-092016	SS-132-1-1.5-092216	SS-133-1-2-092016	SS-134-0-0.17-091916	SS-135-0-0.17-091916	SS-136-0-0.17-091916
		Sample Date	9/20/2016	9/22/2016	9/20/2016	9/19/2016	9/19/2016	9/19/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	2177436	2177432	2177436	2176860	2176860	2176860
		Start Depth	0	1	1	0	0	0
		End Depth	0.17	1.5	2	0.17	0.17	0.17
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]						
SVOCs								
1,1'-Biphenyl	92-52-4	NC	107 U	11.5 J	66.9 J	125 U	28.2 J	124 U
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	107 U	108 U	107 U	125 U	135 U	124 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	215 U	216 U	214 U	249 U	270 U	249 U
2,4,5-Trichlorophenol	95-95-4	NC	215 U	216 U	214 U	249 U	270 U	249 U
2,4,6-Trichlorophenol	88-06-2	NC	215 U	216 U	214 U	249 U	270 U	249 U
2,4-Dichlorophenol	120-83-2	NC	215 U	216 U	214 U	249 U	270 U	249 U
2,4-Dimethylphenol	105-67-9	NC	215 U	216 U	214 U	249 U	270 U	249 U
2,4-Dinitrophenol	51-28-5	NC	376 U	216 UJ	374 U	249 U	270 U	249 U
2,4-Dinitrotoluene	121-14-2	NC	107 U	108 U	107 U	125 U	135 U	124 U
2,6-Dinitrotoluene	606-20-2	NC	107 U	108 U	107 U	125 U	135 U	124 U
2-Chloronaphthalene	91-58-7	NC	107 U	108 U	107 U	125 U	135 U	124 U
2-Chlorophenol	95-57-8	NC	215 U	216 U	214 U	249 U	270 U	249 U
2-Methylnaphthalene	91-57-6	NC	25.4 J	84.3 J	359	125 U	184 J	10.2 J
2-Methylphenol	95-48-7	330	215 U	216 U	214 U	249 U	28.3 J	249 U
2-Nitroaniline	88-74-4	NC	215 U	216 U	214 U	249 U	270 U	249 U
2-Nitrophenol	88-75-5	NC	215 U	216 U	214 U	249 U	270 U	249 U
3,3-Dichlorobenzidine	91-94-1	NC	215 U	216 U	214 U	249 U	270 U	249 U
3-Nitroaniline	99-09-2	NC	215 U	216 U	214 U	249 U	270 U	249 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	215 U	216 U	214 U	249 U	270 U	249 U
4-Bromophenyl-phenylether	101-55-3	NC	107 U	108 U	107 U	125 U	135 U	124 U
4-Chloro-3-methylphenol	59-50-7	NC	215 U	216 U	214 U	249 U	270 U	249 U
4-Chloroaniline	106-47-8	NC	215 U	216 U	214 U	249 U	270 U	249 U
4-Chlorophenyl-phenylether	7005-72-3	NC	107 U	108 U	107 U	125 U	135 U	124 U
4-Nitroaniline	100-01-6	NC	215 U	216 U	214 U	249 U	270 U	249 U
4-Nitrophenol	100-02-7	NC	215 U	216 UJ	214 U	249 U	270 U	249 U
Acenaphthene	83-32-9	20,000	56.3	47.9 J	354	62.3 U	183	62.2 U
Acenaphthylene	208-96-8	100,000	66	101	53.4 U	9 J	982	9.7 J
Acetophenone	98-86-2	NC	107 U	108 U	107 U	125 U	135 U	124 U
Anthracene	120-12-7	100,000	209	277	1180	19 J	983	14.7 J
Atrazine	1912-24-9	NC	107 U	108 U	107 U	125 U	135 U	124 U
Benzaldehyde	100-52-7	NC	215 U	19.2 J	109 J	22.4 J	86.7 J	249 U
Benzidine	92-87-5	NC	215 U	216 U	214 U	249 U	270 U	249 U
Benzo[a]anthracene	56-55-3	1,000	646	985	1,910	94.5	3,920	84.7
Benzo[a]pyrene	50-32-8	1,000	650	1,110	1,740	106	3,780	92.4
Benzo[b]fluoranthene	205-99-2	1,000	865	1,360 J	2,410	134	5,840	130
Benzo[g,h,i]perylene	191-24-2	100,000	407	662	1,150	80.5	1,990	59.7 J
Benzo[k]fluoranthene	207-08-9	800	311	528 J	852	68.5	2,200	52.9 J
Bis(2-Chloroethoxy)methane	111-91-1	NC	107 U	108 U	107 U	125 U	135 U	124 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	107 U	108 U	107 U	125 U	135 U	124 U
Bis(2-Chloroisopropyl)ether	108-60-1	NC	107 U	108 U	107 U	125 U	135 U	124 U
Bis(2-Ethylhexyl)phthalate	117-81-7	NC	268 U	57.1 J	267 U	125 U	135 U	124 U
Butylbenzylphthalate	85-68-7	NC	138	108 U	107 U	125 U	135 U	124 U
Caprolactam	105-60-2	NC	215 U	216 U	214 U	249 UJ	270 UJ	249 UJ
Carbazole	86-74-8	NC	90.2 J	117	501	13 J	372	10.2 J
Chrysene	218-01-9	1,000	716	990	2,130	92.8	4,140	103
Dibenzo[a,h]Anthracene	53-70-3	330	119	187	300	25.8 J	582	14.7 J
Dibenzofuran	132-64-9	7,000	25.3 J	58.1 J	432	125 U	148	124 U
Diethylphthalate	84-66-2	NC	107 U	108 U	107 U	125 U	135 U	124 U
Dimethylphthalate	131-11-3	NC	107 U	108 U	107 U	125 U	135 U	124 U
Di-n-butylphthalate	84-74-2	NC	107 U	108 U	107 U	125 U	135 U	124 U
Di-n-octylphthalate	117-84-0	NC	107 U	108 UJ	107 U	125 UJ	135 UJ	124 UJ
Fluoranthene	206-44-0	100,000	1,370	1,730	5,330	161	8,170	161
Fluorene	86-73-7	30,000	63	90.8	475	62.3 U	205	62.2 U
Hexachlorobenzene	118-74-1	330	107 U	108 U	107 U	125 U	135 U	124 U
Hexachlorobutadiene	87-68-3	NC	107 U	108 U	107 U	125 U	135 U	124 U
Hexachlorocyclopentadiene	77-47-4	NC	215 U	216 U	214 U	249 U	270 U	249 U
Hexachloroethane	67-72-1	NC	107 U	108 U	107 U	125 U	135 U	124 U
Indeno[1,2,3-cd]pyrene	193-39-5	500	431	732	1,220	72.4	2,340	62.1 J
Isophorone	78-59-1	NC	107 U	108 U	107 U	125 U	135 U	124 U
m-Cresol & p-Cresol	MEPH1314	330**	215 U	16.5 J	23.5 J	249 U	64.8 J	249 U
Naphthalene	91-20-3	12,000	53.7 U	94.5 J	375	62.3 U	260	62.2 U
Nitrobenzene	98-95-3	NC	107 U	108 U	107 U	125 U	135 U	124 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	107 U	108 U	107 U	125 U	135 U	124 U
N-Nitrosodiphenylamine	86-30-6	NC	107 U	108 U	107 U	125 U	135 U	124 U
Pentachlorophenol	87-86-5	800	215 U	216 U	214 U	249 U	270 U	249 U
Phenanthrene	85-01-8	100,000	823	1,060	5510	65.9	2,920	65.2
Phenol	108-95-2	330	215 U	216 U	214 U	249 U	60 J	249 U
Pyrene	129-00-0	100,000	1,200	1,790 J	4,070	157	7,900	150
Pyridine	110-86-1	NC	215 U	216 U	214 U	249 U	270 U	249 U
Total SVOCs	NA	NC	16,241	7,811	28,635	4,765	23,228	11,241

Notes:

NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample

T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.

**- action level for Cresol applies to individual isomers.

[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.

Exceeds Unrestricted SCO listed in Part 375.

Table 6B1 - Existing Surface Cover Soil Results Compared to Unrestricted SCOs
SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SS-137	SS-138	SS-140	SS-141[BB]	SS-142	SS-143
		Sample ID	SS-137-1.5-2-092016	SS-138-0.5-1-092016	SS-140-0-0.17-091916	SS-141-1-2-092116	SS-142-0.5-1.5-092116	SS-143-0-0.17-091916
		Sample Date	9/20/2016	9/20/2016	9/19/2016	9/21/2016	9/21/2016	9/19/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	2177436	2177433	2176860	2177433	2177433	2176860
		Start Depth	1.5	0.5	0	1	0.5	0
		End Depth	2	1	0.17	2	1.5	0.17
Chemical Name	**CAS #**	**NY Part 375 Unrestricted SCO[1]**						
SVOCs								
1,1'-Biphenyl	92-52-4	NC	108 U	106 U	29.3 J	6,510	258	133 U
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	108 U	106 U	150 U	131 U	111 U	133 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	216 U	212 U	299 U	262 U	222 U	266 U
2,4,5-Trichlorophenol	95-95-4	NC	216 U	212 U	299 U	262 U	222 U	266 U
2,4,6-Trichlorophenol	88-06-2	NC	216 U	212 U	299 U	262 U	222 U	266 U
2,4-Dichlorophenol	120-83-2	NC	216 U	212 U	299 U	262 U	222 U	266 U
2,4-Dimethylphenol	105-67-9	NC	216 U	212 U	299 U	540	222 U	266 U
2,4-Dinitrophenol	51-28-5	NC	378 U	370 U	299 U	459 U	389 U	266 U
2,4-Dinitrotoluene	121-14-2	NC	108 U	106 U	150 U	131 U	111 U	133 U
2,6-Dinitrotoluene	606-20-2	NC	108 U	106 U	150 U	131 U	111 U	133 U
2-Chloronaphthalene	91-58-7	NC	108 U	106 U	150 U	131 U	111 U	133 U
2-Chlorophenol	95-57-8	NC	216 U	212 U	299 U	262 U	222 U	266 U
2-Methylnaphthalene	91-57-6	NC	108 U	72.3 J	234 J	33,000	1,470	133 U
2-Methylphenol	95-48-7	330	216 U	212 U	299 U	283	222 U	266 U
2-Nitroaniline	88-74-4	NC	216 U	212 U	299 U	262 U	222 U	266 U
2-Nitrophenol	88-75-5	NC	216 U	212 U	299 U	262 U	222 U	266 U
3,3-Dichlorobenzidine	91-94-1	NC	216 U	212 U	299 U	262 U	222 U	266 U
3-Nitroaniline	99-09-2	NC	216 U	212 U	299 U	262 U	222 U	266 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	216 U	212 U	299 U	262 U	222 U	266 U
4-Bromophenyl-phenylether	101-55-3	NC	108 U	106 U	150 U	131 U	111 U	133 U
4-Chloro-3-methylphenol	59-50-7	NC	216 U	212 U	299 U	262 U	222 U	266 U
4-Chloroaniline	106-47-8	NC	216 U	212 U	299 U	262 U	222 U	266 U
4-Chlorophenyl-phenylether	7005-72-3	NC	108 U	106 U	150 U	131 U	111 U	133 U
4-Nitroaniline	100-01-6	NC	216 U	212 U	299 U	262 U	222 U	266 U
4-Nitrophenol	100-02-7	NC	216 U	212 U	299 U	262 U	222 U	266 U
Acenaphthene	83-32-9	20,000	54 U	52.9 U	29.2 J	96,200	2,630	66.4 U
Acenaphthylene	208-96-8	100,000	54 U	52.9 U	355	65.6 U	622	66.4 U
Acetophenone	98-86-2	NC	108 U	106 U	150 U	380	111 U	133 U
Anthracene	120-12-7	100,000	54 U	52.9 U	219	184,000	7,980	11.6 J
Atrazine	1912-24-9	NC	108 U	106 U	150 U	131 U	111 U	133 U
Benzaldehyde	100-52-7	NC	216 U	212 U	181 J	262 U	222 U	266 U
Benzidine	92-87-5	NC	216 U	212 U	299 U	262 U	222 U	266 U
Benzo[a]anthracene	56-55-3	1,000	54 U	52.9 U	1,020	232,000	20,400	57 J
Benzo[a]pyrene	50-32-8	1,000	54 U	52.9 U	1,890	202,000	16,800	69.3
Benzo[b]fluoranthene	205-99-2	1,000	31.3 J	34.8 J	3,180	262,000	22,700	107
Benzo[g,h,i]perylene	191-24-2	100,000	54 U	52.9 U	1,050	114,000	8,580	56.7 J
Benzo[k]fluoranthene	207-08-9	800	54 U	52.9 U	1,020	99,400	7,100	46.6 J
Bis(2-Chloroethoxy)methane	111-91-1	NC	108 U	106 U	150 U	131 U	111 U	133 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	108 U	106 U	150 U	131 U	111 U	133 U
Bis(2-Chloroisopropyl)ether	108-60-1	NC	108 U	106 U	150 U	131 U	111 U	133 U
Bis(2-Ethylhexyl)phthalate	117-81-7	NC	270 U	265 U	150 U	328 U	278 U	133 U
Butylbenzylphthalate	85-68-7	NC	108 U	106 U	150 U	131 U	111 U	133 U
Caprolactam	105-60-2	NC	216 U	212 U	299 UJ	262 U	222 U	266 UJ
Carbazole	86-74-8	NC	108 U	106 U	79.9 J	107,000	3,420	12.7 J
Chrysene	218-01-9	1,000	54 U	34.1 J	1,780	229,000	21,000	64.7 J
Dibenzo[a,h]Anthracene	53-70-3	330	54 U	52.9 U	358	32,100	2840	66.4 U
Dibenzofuran	132-64-9	7,000	108 U	31 J	94.8 J	81,900	1510	133 U
Diethylphthalate	84-66-2	NC	108 U	106 U	150 U	131 U	111 U	133 U
Dimethylphthalate	131-11-3	NC	108 U	106 U	150 U	131 U	111 U	133 U
Di-n-butylphthalate	84-74-2	NC	108 U	106 U	150 U	131 U	111 U	133 U
Di-n-octylphthalate	117-84-0	NC	108 U	106 U	150 UJ	131 U	111 U	133 UJ
Fluoranthene	206-44-0	100,000	38.1 J	41.2 J	980	598,000	44,600	123
Fluorene	86-73-7	30,000	54 U	52.9 U	45.8 J	114,000	3,140	66.4 U
Hexachlorobenzene	118-74-1	330	108 U	106 U	150 U	131 U	111 U	133 U
Hexachlorobutadiene	87-68-3	NC	108 U	106 U	150 U	131 U	111 U	133 U
Hexachlorocyclopentadiene	77-47-4	NC	216 U	212 U	299 U	262 U	222 U	266 U
Hexachloroethane	67-72-1	NC	108 U	106 U	150 U	131 U	111 U	133 U
Indeno[1,2,3-cd]pyrene	193-39-5	500	54 U	52.9 U	1,240	127,000	10,600	65 J
Isophorone	78-59-1	NC	108 U	106 U	150 U	131 U	111 U	133 U
m-Cresol & p-Cresol	MEPH1314	330**	216 U	212 U	299 U	837	53.5 J	266 U
Naphthalene	91-20-3	12,000	54 U	52.9 U	124	95,000	1450	66.4 U
Nitrobenzene	98-95-3	NC	108 U	106 U	150 U	131 U	111 U	133 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	108 U	106 U	150 U	131 U	111 U	133 U
N-Nitrosodiphenylamine	86-30-6	NC	108 U	106 U	150 U	131 U	111 U	133 U
Pentachlorophenol	87-86-5	800	216 U	212 U	299 U	262 U	222 U	266 U
Phenanthrene	85-01-8	100,000	20.7 J	172	986	733,000	38,800	49.9 J
Phenol	108-95-2	330	216 U	212 U	299 U	456	222 U	266 U
Pyrene	129-00-0	100,000	31.8 J	35.1 J	1,050	470,000	39,500	126
Pyridine	110-86-1	NC	216 U	212 U	299 U	262 U	222 U	266 U
Total SVOCs	NA	NC	1,719	14,274	49,520	7,811	48,867	10,099

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample

T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.

**- action level for Cresol applies to individual isomers.

[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.

Exceeds Unrestricted SCO listed in Part 375.

Table 6B1 - Existing Surface Cover Soil Results Compared to Unrestricted SCOs
SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SS-144	SS-145	SS-146	SS-147	SS-148	SS-149
		Sample ID	SS-144-0.5-1.5-092116	SS-145-0.5-1.5-092116	SS-146-0-0.17-091916	SS-147-0.5-1.5-092116	SS-148-0-0.17-092016	SS-149-0-0.17-091916
		Sample Date	9/21/2016	9/21/2016	9/19/2016	9/21/2016	9/20/2016	9/19/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	2177433	2177433	2176860	2177433	2177436	2176860
		Start Depth	0.5	0.5	0	0.5	0	0
		End Depth	1.5	1.5	0.17	1.5	0.17	0.17
Chemical Name	**CAS #**	**NY Part 375 Unrestricted SCO[1]**						
SVOCs								
1,1'-Biphenyl	92-52-4	NC	104 U	21.6 J	127 U	1,080	33.2 J	25.3 J
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	104 U	115 U	127 U	112 U	127 U	126 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	208 U	231 U	253 U	225 U	254 U	252 U
2,4,5-Trichlorophenol	95-95-4	NC	208 U	231 U	253 U	225 U	254 U	252 U
2,4,6-Trichlorophenol	88-06-2	NC	208 U	231 U	253 U	225 U	254 U	252 U
2,4-Dichlorophenol	120-83-2	NC	208 U	231 U	253 U	225 U	254 U	252 U
2,4-Dimethylphenol	105-67-9	NC	208 U	231 U	253 U	47.9 J	254 U	252 U
2,4-Dinitrophenol	51-28-5	NC	208 UJ	231 UJ	253 U	394 U	444 R	252 U
2,4-Dinitrotoluene	121-14-2	NC	104 U	115 U	127 U	112 U	127 U	126 U
2,6-Dinitrotoluene	606-20-2	NC	104 U	115 U	127 U	112 U	127 U	126 U
2-Chloronaphthalene	91-58-7	NC	104 U	115 U	127 U	112 U	127 U	126 U
2-Chlorophenol	95-57-8	NC	208 U	231 U	253 U	225 U	254 U	252 U
2-Methylnaphthalene	91-57-6	NC	27.1 J	113 J	10.1 J	4,820	233	180 J
2-Methylphenol	95-48-7	330	208 U	231 U	253 U	45 J	254 U	252 U
2-Nitroaniline	88-74-4	NC	208 U	231 U	253 U	225 U	254 U	252 U
2-Nitrophenol	88-75-5	NC	208 U	231 U	253 U	225 U	254 U	252 U
3,3-Dichlorobenzidine	91-94-1	NC	208 U	231 U	253 U	225 U	254 U	252 U
3-Nitroaniline	99-09-2	NC	208 U	231 U	253 U	225 U	254 U	252 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	208 U	231 U	253 U	225 U	254 UJ	252 U
4-Bromophenyl-phenylether	101-55-3	NC	104 U	115 U	127 U	112 U	127 U	126 U
4-Chloro-3-methylphenol	59-50-7	NC	208 U	231 U	253 U	225 U	254 U	252 U
4-Chloroaniline	106-47-8	NC	208 U	231 U	253 U	225 U	254 U	252 U
4-Chlorophenyl-phenylether	7005-72-3	NC	104 U	115 U	127 U	112 U	127 U	126 U
4-Nitroaniline	100-01-6	NC	208 U	231 U	253 U	225 U	254 U	252 U
4-Nitrophenol	100-02-7	NC	208 UJ	231 UJ	253 U	225 U	254 U	252 U
Acenaphthene	83-32-9	20,000	52.1 U	57.7 U	63.3 U	14,900	48.2 J	63.2
Acenaphthylene	208-96-8	100,000	52.1 U	97.7	63.3 U	56.2 U	105	1,050
Acetophenone	98-86-2	NC	104 U	115 U	127 U	112 U	127 U	126 U
Anthracene	120-12-7	100,000	11.4 J	64.2	63.3 U	37,200	199	722
Atrazine	1912-24-9	NC	104 U	115 U	127 U	112 U	127 U	126 U
Benzaldehyde	100-52-7	NC	32.4 J	118 J	253 U	225 U	169 J	88.1 J
Benzidine	92-87-5	NC	208 R	231 U	253 U	225 U	254 R	252 U
Benzo[a]anthracene	56-55-3	1,000	52.1 U	229	53.2 J	59,300	842	2,970
Benzo[a]pyrene	50-32-8	1,000	46.9 J	243	66.7	52,300	898	3,100
Benzo[b]fluoranthene	205-99-2	1,000	79.8 J	581 J	90.1	66,200	1,270	4,800
Benzo[g,h,i]perylene	191-24-2	100,000	39.9 J	271	43 J	29,600	654	1,790
Benzo[k]fluoranthene	207-08-9	800	29.4 J	156 J	63.3 U	23,800	456	2,040
Bis(2-Chloroethoxy)methane	111-91-1	NC	104 U	115 U	127 U	112 U	127 U	126 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	104 U	115 U	127 U	112 U	127 U	126 U
Bis(2-Chloroisopropyl)ether	108-60-1	NC	104 U	115 U	127 U	112 U	127 U	126 U
Bis(2-Ethylhexyl)phthalate	117-81-7	NC	19 J	13 J	127 U	281 U	317 U	126 U
Butylbenzylphthalate	85-68-7	NC	7.7 J	115 U	127 U	112 U	127 U	126 U
Caprolactam	105-60-2	NC	208 U	231 U	253 UJ	225 U	254 U	252 UJ
Carbazole	86-74-8	NC	8.8 J	29.1 J	10.2 J	12,700	134	280
Chrysene	218-01-9	1,000	71	457	68.1	58,700	1,080	3,460
Dibenzo[a,h]Anthracene	53-70-3	330	11.5 J	98.8	12.8 J	7,850	185	540
Dibenzofuran	132-64-9	7,000	9.1 J	28.8 J	127 U	9,000	88.6 J	116 J
Diethylphthalate	84-66-2	NC	104 U	115 U	127 U	112 U	127 U	126 U
Dimethylphthalate	131-11-3	NC	104 U	115 U	127 U	112 U	127 U	126 U
Di-n-butylphthalate	84-74-2	NC	104 U	115 U	127 U	112 U	127 U	126 U
Di-n-octylphthalate	117-84-0	NC	104 UJ	115 UJ	127 UJ	112 U	127 U	126 UJ
Fluoranthene	206-44-0	100,000	85.5	370	120	151,000	1,700	5,930
Fluorene	86-73-7	30,000	52.1 U	28.1 J	63.3 U	17,100	69.6	140
Hexachlorobenzene	118-74-1	330	104 U	115 U	127 U	112 U	127 U	126 U
Hexachlorobutadiene	87-68-3	NC	104 U	115 U	127 U	112 U	127 U	126 U
Hexachlorocyclopentadiene	77-47-4	NC	208 U	231 U	253 U	225 U	254 UJ	252 U
Hexachloroethane	67-72-1	NC	104 U	115 U	127 U	112 U	127 U	126 U
Indeno[1,2,3-cd]pyrene	193-39-5	500	40.9 J	193	47.3 J	32,900	693	2,130
Isophorone	78-59-1	NC	104 U	115 U	127 U	112 U	127 U	126 U
m-Cresol & p-Cresol	MEPH1314	330**	208 U	15.9 J	253 U	116 J	254 U	252 U
Naphthalene	91-20-3	12,000	52.1 U	140 J	63.3 U	7,800	157	239
Nitrobenzene	98-95-3	NC	104 U	115 U	127 U	112 U	127 U	126 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	104 U	115 U	127 U	112 U	127 U	126 U
N-Nitrosodiphenylamine	86-30-6	NC	104 U	115 U	127 U	112 U	127 U	126 U
Pentachlorophenol	87-86-5	800	208 U	231 U	253 U	225 U	254 U	252 U
Phenanthrene	85-01-8	100,000	69	651	72.2	155,000	1,040	1830
Phenol	108-95-2	330	208 U	231 U	253 U	80.7 J	254 U	252 U
Pyrene	129-00-0	100,000	87.5 J	455 J	129	126,000	1,450	6150
Pyridine	110-86-1	NC	208 U	231 U	253 U	225 U	254 U	252 U
Total SVOCs	NA	NC	N/A	17,218	3,639	13,369	83,050	33,490

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample

T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.

**- action level for Cresol applies to individual isomers.

[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.

Exceeds Unrestricted SCO listed in Part 375.

Table 6B1 - Existing Surface Cover Soil Results Compared to Unrestricted SCOs
SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SS-150	SS-150	SS-151	SS-152	SS-153
		Sample ID	DUP-006-091916	SS-150-0-0.17-091916	SS-151-0-0.5-092116	SS-152-0-0.17-091916	SS-153-0-0.17-091916
		Sample Date	9/19/2016	9/19/2016	9/21/2016	9/19/2016	9/19/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	2176860	2176860	2177433	2176860	2176860
		Start Depth	0	0	0	0	0
		End Depth	0.17	0.17	0.5	0.17	0.17
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]					
SVOCs							
1,1'-Biphenyl	92-52-4	NC	126 U	129 U	48.5 J	120 U	121 U
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	126 U	129 U	120 U	120 U	121 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	253 U	258 U	240 U	241 U	242 U
2,4,5-Trichlorophenol	95-95-4	NC	253 U	258 U	240 U	241 U	242 U
2,4,6-Trichlorophenol	88-06-2	NC	253 U	258 U	240 U	241 U	242 U
2,4-Dichlorophenol	120-83-2	NC	253 U	258 U	240 U	241 U	242 U
2,4-Dimethylphenol	105-67-9	NC	253 U	258 U	240 U	241 U	242 U
2,4-Dinitrophenol	51-28-5	NC	253 U	258 U	240 UJ	241 U	242 U
2,4-Dinitrotoluene	121-14-2	NC	126 U	129 U	120 U	120 U	121 U
2,6-Dinitrotoluene	606-20-2	NC	126 U	129 U	120 U	120 U	121 U
2-Chloronaphthalene	91-58-7	NC	126 U	129 U	120 U	120 U	121 U
2-Chlorophenol	95-57-8	NC	253 U	258 U	240 U	241 U	242 U
2-Methylnaphthalene	91-57-6	NC	34 J	22.4 J	411 J	16.1 J	8.3 J
2-Methylphenol	95-48-7	330	253 U	258 U	240 U	241 U	242 U
2-Nitroaniline	88-74-4	NC	253 U	258 U	240 U	241 U	242 U
2-Nitrophenol	88-75-5	NC	253 U	258 U	240 U	241 U	242 U
3,3-Dichlorobenzidine	91-94-1	NC	253 U	258 U	240 U	241 U	242 U
3-Nitroaniline	99-09-2	NC	253 U	258 U	240 U	241 U	242 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	253 U	258 U	240 U	241 U	242 U
4-Bromophenyl-phenylether	101-55-3	NC	126 U	129 U	120 U	120 U	121 U
4-Chloro-3-methylphenol	59-50-7	NC	253 U	258 U	240 U	241 U	242 U
4-Chloroaniline	106-47-8	NC	253 U	258 U	240 U	241 U	242 U
4-Chlorophenyl-phenylether	7005-72-3	NC	126 U	129 U	120 U	120 U	121 U
4-Nitroaniline	100-01-6	NC	253 U	258 U	240 U	241 U	242 U
4-Nitrophenol	100-02-7	NC	253 U	258 U	240 UJ	241 U	242 U
Acenaphthene	83-32-9	20,000	63.2 U	64.5 U	73.2	60.1 U	60.6 U
Acenaphthylene	208-96-8	100,000	19.5 J	15.3 J	694	41.3 J	13.4 J
Acetophenone	98-86-2	NC	126 U	129 U	120 U	120 U	121 U
Anthracene	120-12-7	100,000	24.4 J	16.8 J	618	31.4 J	13.8 J
Atrazine	1912-24-9	NC	126 U	129 U	120 U	120 U	121 U
Benzaldehyde	100-52-7	NC	253 U	258 U	159 J	241 U	242 U
Benzidine	92-87-5	NC	253 U	258 U	240 U	241 U	242 U
Benzo[a]anthracene	56-55-3	1,000	109	94.7	2,310	158	56.7 J
Benzo[a]pyrene	50-32-8	1,000	119	119	2,000	190	62.5
Benzo[b]fluoranthene	205-99-2	1,000	169	162	3,630 J	308	91
Benzo[g,h,i]perylene	191-24-2	100,000	80.1	77.5	1160	124	46.1 J
Benzo[k]fluoranthene	207-08-9	800	73.3	59.3 J	1,260 J	113	60.6 U
Bis(2-Chloroethoxy)methane	111-91-1	NC	126 U	129 U	120 U	120 U	121 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	126 U	129 U	120 U	120 U	121 U
Bis(2-Chloroisopropyl)ether	108-60-1	NC	126 U	129 U	120 U	120 U	121 U
Bis(2-Ethylhexyl)phthalate	117-81-7	NC	126 U	129 U	26.5 J	120 U	121 U
Butylbenzylphthalate	85-68-7	NC	126 U	129 U	120 U	120 U	121 U
Caprolactam	105-60-2	NC	253 UJ	258 UJ	240 U	241 UJ	242 UJ
Carbazole	86-74-8	NC	13 J	13.8 J	156	19.9 J	11.2 J
Chrysene	218-01-9	1,000	133	120	2,500	215	61.1
Dibenzo[a,h]Anthracene	53-70-3	330	21.6 J	23 J	366	39.4 J	13.1 J
Dibenzofuran	132-64-9	7,000	126 U	129 U	143	120 U	121 U
Diethylphthalate	84-66-2	NC	126 U	129 U	120 U	120 U	121 U
Dimethylphthalate	131-11-3	NC	126 U	129 U	120 U	120 U	121 U
Di-n-butylphthalate	84-74-2	NC	126 U	129 U	309	120 U	121 U
Di-n-octylphthalate	117-84-0	NC	126 UJ	129 UJ	120 UJ	120 UJ	121 UJ
Fluoranthene	206-44-0	100,000	235	202	4,570	267	123
Fluorene	86-73-7	30,000	63.2 U	64.5 U	90	60.1 U	60.6 U
Hexachlorobenzene	118-74-1	330	126 U	129 U	120 U	120 U	121 U
Hexachlorobutadiene	87-68-3	NC	126 U	129 U	120 U	120 U	121 U
Hexachlorocyclopentadiene	77-47-4	NC	253 U	258 U	240 U	241 U	242 U
Hexachloroethane	67-72-1	NC	126 U	129 U	120 U	120 U	121 U
Indeno[1,2,3-cd]pyrene	193-39-5	500	79.6	75.4	1430	127	44.6 J
Isophorone	78-59-1	NC	126 U	129 U	120 U	120 U	121 U
m-Cresol & p-Cresol	MEPH1314	330**	253 U	258 U	26.5 J	241 U	242 U
Naphthalene	91-20-3	12,000	63.2 U	64.5 U	373 J	60.1 U	60.6 U
Nitrobenzene	98-95-3	NC	126 U	129 U	120 U	120 U	121 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	126 U	129 U	120 U	120 U	121 U
N-Nitrosodiphenylamine	86-30-6	NC	126 U	129 U	120 U	120 U	121 U
Pentachlorophenol	87-86-5	800	253 U	258 U	240 U	241 U	242 U
Phenanthrene	85-01-8	100,000	96.8	94.7	1,190	113	64.6
Phenol	108-95-2	330	253 U	258 U	39.6 J	241 U	242 U
Pyrene	129-00-0	100,000	235	216	4,480 J	336	130
Pyridine	110-86-1	NC	253 U	258 U	240 U	241 U	242 U
Total SVOCs	NA	NC	17,061	12,510	13,375	9,229	10,060

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample

T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.

**- action level for Cresol applies to individual isomers.

[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.

Exceeds Unrestricted SCO listed in Part 375.

Table 6C - Surface Soil Results Compared to Unrestricted SCOs
Pesticides/Herbicides
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SS-114	SS-123	SS-126	SS-127	SS-131	SS-135	SS-136	SS-140	SS-143	SS-152
		Sample ID	SS-114-0-0.17-092016	SS-123-0-0.17-092016	SS-126-0-0.17-092016	SS-127-0-0.17-092016	SS-131-0-0.17-092016	SS-135-0-0.17-091916	SS-136-0-0.17-091916	SS-140-0-0.17-091916	SS-143-0-0.17-091916	SS-152-0-0.17-091916
		Sample Date	9/20/2016	9/20/2016	9/20/2016	9/20/2016	9/20/2016	9/19/2016	9/19/2016	9/19/2016	9/19/2016	9/19/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	2177436	2177436	2177436	2177436	2177436	2176860	2176860	2176860	2176860	2176860
		Start Depth	0	0	0	0	0	0	0	0	0	0
		End Depth	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]										
Pesticides/Herbicides												
4-4-DDD	72-54-8	3.3	3.7 U	3.9 U	4 U	3.8 U	2.9 U	3.6 U	3.3 U	4.1 U	3.6 U	3.3 U
4-4-DDE	72-55-9	3.3	18.6 JN	6.7 JN	4 U	3.8 U	1.5 J	7.2 J	3.3 U	7.1 JN	4.4 J	3.3 U
4-4-DDT	50-29-3	3.3	18.8	13.7 J	4 U	11.4 JN	8.3	8.6 JN	3.3 U	22.2 J	3.6 U	3.3 U
a-BHC	319-84-6	20	3.7 U	3.9 U	4 U	4.1 J	2.9 U	3.6 U	3.3 U	4.1 U	3.6 U	3.3 U
Aldrin	309-00-2	5	3.7 U	3.9 U	4 U	3.8 U	2.9 U	3.6 U	3.3 U	4.1 U	3.6 U	3.3 U
alpha-Chlordane	5103-71-9	94	3.7 U	3.9 U	4 U	3.8 U	2.9 U	3.6 U	3.3 U	4.1 U	3.6 U	3.3 U
b-BHC	319-85-7	36	3.7 U	3.9 U	4 U	3.8 U	2.9 U	3.6 U	3.3 U	4.1 U	3.6 U	3.3 U
d-BHC	319-86-8	40	3.7 U	3.9 U	4 U	3.8 U	2.9 U	3.6 U	3.3 U	4.1 U	3.6 U	3.3 U
Dieldrin	60-57-1	5	3.7 U	3.9 U	4 U	3.8 U	2.9 U	3.6 U	3.3 U	4.1 U	3.6 U	3.3 U
Endosulfan I	959-98-8	2400	3.7 U	3.9 U	4 U	3.8 U	2.9 U	3.6 U	3.3 U	4.1 U	3.6 U	3.3 U
Endosulfan II	33213-65-9	2400	3.7 U	3.9 U	4 U	3.8 U	2.9 U	3.6 U	3.3 U	4.1 U	3.6 U	3.3 U
Endosulfan Sulfate	1031-07-8	2400	3.7 U	3.9 U	4 U	3.8 U	2.9 U	9.4 J	3.3 U	4.1 U	3.6 U	3.3 U
Endrin	72-20-8	14	3.7 U	3.9 U	4 U	3.8 U	2.9 U	3.6 U	3.3 U	4.1 U	3.6 U	3.3 U
Endrin Aldehyde	7421-93-4	NC	3.7 U	3.9 U	4 U	3.8 U	2.9 U	3.6 U	3.3 U	4.1 U	3.6 U	3.3 U
Endrin Ketone	53494-70-5	NC	3.7 U	3.9 U	4 U	3.8 U	2.9 U	3.6 U	3.3 U	4.1 U	3.6 U	3.3 U
Heptachlor	76-44-8	42	3.9 J	3.9 U	4 U	3.8 U	2.9 U	3.6 U	3.3 U	4.1 U	3.6 U	3.3 U
Heptachlor Epoxide	1024-57-3	NC	3.7 U	3.9 U	4 U	3.8 U	2.9 U	3.6 U	3.3 U	4.1 U	3.6 U	3.3 U
Lindane	58-89-9	100	3.7 U	3.9 U	4.7 JN	3.8 U	2.9 U	3.6 U	3.3 U	4.1 U	3.6 U	3.3 U
Methoxychlor	72-43-5	NC	3.7 U	3.9 U	4 U	3.8 U	2.9 U	3.6 U	3.3 U	4.1 U	3.6 U	3.3 U
Toxaphene	8001-35-2	NC	74.4 U	79.7 U	81.6 U	76.2 U	57.9 U	72.8 U	67.1 U	82.9 U	72.5 U	66.2 U
y-Chlordane	5103-74-2	NC	3.7 U	3.9 U	4 U	3.8 U	1.9 J	3.6 U	3.3 U	4.1 U	3.6 U	3.3 U

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.
(shaded) Exceeds Unrestricted SCO listed in Part 375.

Table 6C1 - Existing Surface Cover Soil Results Compared to Unrestricted SCOs
Pesticides/Herbicides
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SS-113	SS-113	SS-114	SS-120	SS-123	SS-124	SS-125	SS-126	SS-127
		Sample ID	DUP-005-092116	SS-113-1-2-092116	SS-114-0-0.17-092016	SS-120-0.5-1-092116	SS-123-0-0.17-092016	SS-124-1-2-092216	SS-125-1-2-092216	SS-126-0-0.17-092016	SS-127-0-0.17-092016
		Sample Date	9/21/2016	9/21/2016	9/20/2016	9/21/2016	9/20/2016	9/22/2016	9/22/2016	9/20/2016	9/20/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	2177433	2177433	2177436	2177433	2177436	2177432	2177432	2177436	2177436
		Start Depth	1	1	0	0.5	0	1	1	0	0
		End Depth	2	2	0.17	1	0.17	2	2	0.17	0.17
Chemical Name	**CAS #**	**NY Part 375 Unrestricted SCO[1]**									
Pesticides/Herbicides											
4-4-DDD	72-54-8	3.3	2.8 U	2.9 U	3.7 U	3 U	3.9 U	3 U	2.9 U	4 U	3.8 U
4-4-DDE	72-55-9	3.3	2.8 U	1.7 J	18.6 JN	3 U	6.7 JN	4.5 JN	2.9 U	4 U	3.8 U
4-4-DDT	50-29-3	3.3	2.8 U	2.9 U	18.8	3 U	13.7 J	48.1	11.3 J	4 U	11.4 JN
a-BHC	319-84-6	20	2.8 U	2.9 U	3.7 U	3 U	3.9 U	3 U	2.9 U	4 U	4.1 J
Aldrin	309-00-2	5	2.8 U	2.9 U	3.7 U	3 U	3.9 U	3 U	2.9 U	4 U	3.8 U
alpha-Chlordane	5103-71-9	94	2.8 U	2.9 U	3.7 U	3 U	3.9 U	2 J	2.9 U	4 U	3.8 U
b-BHC	319-85-7	36	2.8 U	2.9 U	3.7 U	3 U	3.9 U	3 U	2.9 U	4 U	3.8 U
d-BHC	319-86-8	40	2.8 U	2.9 U	3.7 U	3 U	3.9 U	3 U	2.9 U	4 U	3.8 U
Dieldrin	60-57-1	5	2.8 U	2.9 U	3.7 U	3 U	3.9 U	20.7 JN	2.9 U	4 U	3.8 U
Endosulfan I	959-98-8	2400	2.8 U	2.9 U	3.7 U	3 U	3.9 U	3 U	2.9 U	4 U	3.8 U
Endosulfan II	33213-65-9	2400	2.8 U	2.9 U	3.7 U	3 U	3.9 U	3 U	2.9 U	4 U	3.8 U
Endosulfan Sulfate	1031-07-8	2400	2.8 U	2.9 U	3.7 U	3 U	3.9 U	6.2 JN	2.9 U	4 U	3.8 U
Endrin	72-20-8	14	2.8 U	2.9 U	3.7 U	3 U	3.9 U	3 U	2.9 U	4 U	3.8 U
Endrin Aldehyde	7421-93-4	NC	2.8 U	2.9 U	3.7 U	3 U	3.9 U	3 U	2.9 U	4 U	3.8 U
Endrin Ketone	53494-70-5	NC	2.8 U	2.9 U	3.7 U	3 U	3.9 U	3 U	2.9 U	4 U	3.8 U
Heptachlor	76-44-8	42	2.8 U	2.9 U	3.9 J	3 U	3.9 U	3 U	2.9 U	4 U	3.8 U
Heptachlor Epoxide	1024-57-3	NC	2.8 U	2.9 U	3.7 U	3 U	3.9 U	3 U	2.9 U	4 U	3.8 U
Lindane	58-89-9	100	2.8 U	2.9 U	3.7 U	3 U	3.9 U	3 U	2.9 U	4.7 JN	3.8 U
Methoxychlor	72-43-5	NC	2.8 U	2.9 U	3.7 U	3 U	3.9 U	3 U	2.9 U	4 U	3.8 U
Toxaphene	8001-35-2	NC	57.8 U	59.5 U	74.4 U	61.9 U	79.7 U	59.9 U	58.7 U	81.6 U	76.2 U
y-Chlordane	5103-74-2	NC	2.8 U	2.9 U	3.7 U	3 U	3.9 U	4.8	2.9 U	4 U	3.8 U

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample

T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.
Exceeds Unrestricted SCO listed in Part 375.

Table 6C1 - Existing Surface Cover Soil Results Compared to Unr
Pesticides/Herbicides
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SS-131	SS-132	SS-133	SS-135	SS-136	SS-138	SS-140	SS-143	SS-144	SS-145	SS-147	SS-152
		Sample ID	SS-131-0-0.17-092016	SS-132-1-1.5-092216	SS-133-1-2-092016	SS-135-0-0.17-091916	SS-136-0-0.17-091916	SS-138-0.5-1-092016	SS-140-0-0.17-091916	SS-143-0-0.17-091916	SS-144-0.5-1.5-092116	SS-145-0.5-1.5-092116	SS-147-0.5-1.5-092116	SS-152-0-0.17-091916
		Sample Date	9/20/2016	9/22/2016	9/20/2016	9/19/2016	9/19/2016	9/20/2016	9/19/2016	9/19/2016	9/21/2016	9/21/2016	9/21/2016	9/19/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	2177436	2177432	2177436	2176860	2176860	2177433	2176860	2176860	2177433	2177433	2177433	2176860
		Start Depth	0	1	1	0	0	0.5	0	0	0.5	0.5	0.5	0
		End Depth	0.17	1.5	2	0.17	0.17	1	0.17	0.17	1.5	1.5	1.5	0.17
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]												
Pesticides/Herbicides														
4-4-DDD	72-54-8	3.3	2.9 U	2.8 U	2.8 U	3.6 U	3.3 U	2.8 U	4.1 U	3.6 U	2.9 U	3.1 U	2.9 U	3.3 U
4-4-DDE	72-55-9	3.3	1.5 J	2.8 U	2.8 U	7.2 J	3.3 U	2.8 U	7.1 JN	4.4 J	3.8	3.1 U	2.9 U	3.3 U
4-4-DDT	50-29-3	3.3	8.3	3.1 JN	2.8 U	8.6 JN	3.3 U	2.8 U	22.2 J	3.6 U	2.8 J	3.1 U	2.9 U	3.3 U
a-BHC	319-84-6	20	2.9 U	2.8 U	2.8 U	3.6 U	3.3 U	2.8 U	4.1 U	3.6 U	2.9 U	3.1 U	2.9 U	3.3 U
Aldrin	309-00-2	5	2.9 U	2.8 U	2.8 U	3.6 U	3.3 U	2.8 U	4.1 U	3.6 U	2.9 U	3.1 U	2.9 U	3.3 U
alpha-Chlordane	5103-71-9	94	2.9 U	1.3 J	2.8 U	3.6 U	3.3 U	2.8 U	4.1 U	3.6 U	2.9 U	3.1 U	2.9 U	3.3 U
b-BHC	319-85-7	36	2.9 U	2.8 U	2.8 U	3.6 U	3.3 U	2.8 U	4.1 U	3.6 U	2.9 U	3.1 U	2.9 U	3.3 U
d-BHC	319-86-8	40	2.9 U	2.8 U	2.8 U	3.6 U	3.3 U	2.8 U	4.1 U	3.6 U	2.9 U	3.1 U	2.9 U	3.3 U
Dieldrin	60-57-1	5	2.9 U	2.8 U	2.8 U	3.6 U	3.3 U	2.8 U	4.1 U	3.6 U	2.9 U	3.1 U	2.9 U	3.3 U
Endosulfan I	959-98-8	2400	2.9 U	2.8 U	2.8 U	3.6 U	3.3 U	2.8 U	4.1 U	3.6 U	2.9 U	3.1 U	2.9 U	3.3 U
Endosulfan II	33213-65-9	2400	2.9 U	2.8 U	2.8 U	3.6 U	3.3 U	2.8 U	4.1 U	3.6 U	2.9 U	3.1 U	2.9 U	3.3 U
Endosulfan Sulfate	1031-07-8	2400	2.9 U	2.8 U	2.8 U	9.4 J	3.3 U	2.8 U	4.1 U	3.6 U	2.9 U	3.1 U	2.9 U	3.3 U
Endrin	72-20-8	14	2.9 U	2.8 U	2.8 U	3.6 U	3.3 U	2.8 U	4.1 U	3.6 U	2.9 U	3.1 U	2.9 U	3.3 U
Endrin Aldehyde	7421-93-4	NC	2.9 U	2.8 U	2.8 U	3.6 U	3.3 U	2.8 U	4.1 U	3.6 U	2.9 U	3.1 U	2.9 U	3.3 U
Endrin Ketone	53494-70-5	NC	2.9 U	2.8 U	2.8 U	3.6 U	3.3 U	2.8 U	4.1 U	3.6 U	2.9 U	3.1 U	2.9 U	3.3 U
Heptachlor	76-44-8	42	2.9 U	2.8 U	2.8 U	3.6 U	3.3 U	2.8 U	4.1 U	3.6 U	2.9 U	3.1 U	2.9 U	3.3 U
Heptachlor Epoxide	1024-57-3	NC	2.9 U	2.8 U	2.8 U	3.6 U	3.3 U	2.8 U	4.1 U	3.6 U	2.9 U	3.1 U	2.9 U	3.3 U
Lindane	58-89-9	100	2.9 U	2.8 U	2.8 U	3.6 U	3.3 U	2.8 U	4.1 U	3.6 U	2.9 U	3.1 U	2.9 U	3.3 U
Methoxychlor	72-43-5	NC	2.9 U	2.8 U	2.8 U	3.6 U	3.3 U	2.8 U	4.1 U	3.6 U	2.9 U	3.1 U	2.9 U	3.3 U
Toxaphene	8001-35-2	NC	57.9 U	57.2 U	57.6 U	72.8 U	67.1 U	57.8 U	82.9 U	72.5 U	58.8 U	63.6 U	58.7 U	66.2 U
y-Chlordane	5103-74-2	NC	1.9 J	2.7 J	2.8 U	3.6 U	3.3 U	2.8 U	4.1 U	3.6 U	2.9 U	3.1 U	2.9 U	3.3 U

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample

T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.
Exceeds Unrestricted SCO listed in Part 375.

Table 6D - Surface Soil Results Compared to Unrestricted SCOs
PCBs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SS-123	SS-123	SS-126	SS-127	SS-128	SS-129	SS-131	SS-135	SS-143
		Sample ID	DUP-007-092016	SS-123-0-0.17-092016	SS-126-0-0.17-092016	SS-127-0-0.17-092016	SS-128-0-0.17-092016	SS-129-0-0.17-092016	SS-131-0-0.17-092016	SS-135-0-0.17-091916	SS-143-0-0.17-091916
		Sample Date	9/20/2016	9/20/2016	9/20/2016	9/20/2016	9/20/2016	9/20/2016	9/20/2016	9/19/2016	9/19/2016
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Lab SDG	2177436	2177436	2177436	2177436	2177436	2177436	2177436	2176860	2176860
		Start Depth	0	0	0	0	0	0	0	0	0
		End Depth	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]									
PCBs											
Aroclor 1268	11100-14-4	NC	0.048 U	0.049 U	0.27 U	0.05 U	0.047 U	0.049 U	0.036 U	0.044 U	0.047 U
Aroclor-1016	12674-11-2	NC	0.048 U	0.049 U	0.27 U	0.05 U	0.047 U	0.049 U	0.036 U	0.044 U	0.047 U
Aroclor-1221	11104-28-2	NC	0.048 U	0.049 U	0.27 U	0.05 U	0.047 U	0.049 U	0.036 U	0.044 U	0.047 U
Aroclor-1232	11141-16-5	NC	0.048 U	0.049 U	0.27 U	0.05 U	0.047 U	0.049 U	0.036 U	0.044 U	0.047 U
Aroclor-1242	53469-21-9	NC	0.048 U	0.049 U	0.27 U	0.05 U	0.047 U	0.049 U	0.036 U	0.044 U	0.047 U
Aroclor-1248	12672-29-6	NC	0.048 U	0.049 U	0.82 J	0.05 U	0.39	0.049 U	0.036 U	0.044 U	0.047 U
Aroclor-1254	11097-69-1	NC	0.048 U	0.04 J	2.6	0.21	1.3	0.28 J	0.036 U	0.044 U	0.047 U
Aroclor-1260	11096-82-5	NC	0.018 J	0.023 J	1.3	0.088	0.49	0.074	0.011 J	0.044 U	0.047 U
PCB-1262	37324-23-5	NC	0.048 U	0.049 U	0.27 U	0.05 U	0.047 U	0.049 U	0.036 U	0.044 U	0.047 U
Total PCBs	1336-36-3	0.1	0.018 J	0.063	4.7	0.29	2.1	0.35	0.011 J	0.044 U	0.047 U

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
mg/kg - milligrams per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample

T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.
Exceeds Unrestricted SCO listed in Part 375.

Table 6D1 - Existing Surface Cover Soil Results Compared to Unrestricted SCOs
PCBs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SS-110	SS-113	SS-113	SS-118	SS-123	SS-123
		Sample ID	SS-110-1-2-092116	DUP-005-092116	SS-113-1-2-092116	SS-118-1-2-092116	DUP-007-092016	SS-123-0-0.17-092016
		Sample Date	9/21/2016	9/21/2016	9/21/2016	9/21/2016	9/20/2016	9/20/2016
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Lab SDG	2177433	2177433	2177433	2177433	2177436	2177436
		Start Depth	1	1	1	1	0	0
		End Depth	2	2	2	2	0.17	0.17
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]						
PCBs								
Aroclor 1268	11100-14-4	NC	0.036 U	0.037 U	0.037 U	0.035 U	0.048 U	0.049 U
Aroclor-1016	12674-11-2	NC	0.036 U	0.037 U	0.037 U	0.035 U	0.048 U	0.049 U
Aroclor-1221	11104-28-2	NC	0.036 U	0.037 U	0.037 U	0.035 U	0.048 U	0.049 U
Aroclor-1232	11141-16-5	NC	0.036 U	0.037 U	0.037 U	0.035 U	0.048 U	0.049 U
Aroclor-1242	53469-21-9	NC	0.036 U	0.037 U	0.037 U	0.035 U	0.048 U	0.049 U
Aroclor-1248	12672-29-6	NC	0.036 U	0.037 U	0.037 U	0.035 U	0.048 U	0.049 U
Aroclor-1254	11097-69-1	NC	0.036 U	0.037 U	0.037 U	0.035 U	0.048 U	0.04 J
Aroclor-1260	11096-82-5	NC	0.036 U	0.037 U	0.037 U	0.035 U	0.018 J	0.023 J
PCB-1262	37324-23-5	NC	0.036 U	0.037 U	0.037 U	0.035 U	0.048 U	0.049 U
Total PCBs	1336-36-3	0.1	0.036 U	0.037 U	0.037 U	0.035 U	0.018 J	0.063

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
mg/kg - milligrams per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.
Exceeds Unrestricted SCO listed in Part 375.

Table 6D1 - Existing Surface Cover Soil Results Compared to Un
PCBs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SS-124	SS-125	SS-126	SS-127	SS-128	SS-129
		Sample ID	SS-124-1-2-092216	SS-125-1-2-092216	SS-126-0-0.17-092016	SS-127-0-0.17-092016	SS-128-0-0.17-092016	SS-129-0-0.17-092016
		Sample Date	9/22/2016	9/22/2016	9/20/2016	9/20/2016	9/20/2016	9/20/2016
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Lab SDG	2177432	2177432	2177436	2177436	2177436	2177436
		Start Depth	1	1	0	0	0	0
		End Depth	2	2	0.17	0.17	0.17	0.17
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]						
PCBs								
Aroclor 1268	11100-14-4	NC	0.055	0.036 U	0.27 U	0.05 U	0.047 U	0.049 U
Aroclor-1016	12674-11-2	NC	0.036 U	0.036 U	0.27 U	0.05 U	0.047 U	0.049 U
Aroclor-1221	11104-28-2	NC	0.036 U	0.036 U	0.27 U	0.05 U	0.047 U	0.049 U
Aroclor-1232	11141-16-5	NC	0.036 U	0.036 U	0.27 U	0.05 U	0.047 U	0.049 U
Aroclor-1242	53469-21-9	NC	0.036 U	0.036 U	0.27 U	0.05 U	0.047 U	0.049 U
Aroclor-1248	12672-29-6	NC	0.036 U	0.036 U	0.82 J	0.05 U	0.39	0.049 U
Aroclor-1254	11097-69-1	NC	0.11 J	0.036 U	2.6	0.21	1.3	0.28 J
Aroclor-1260	11096-82-5	NC	0.12	0.034 J	1.3	0.088	0.49	0.074
PCB-1262	37324-23-5	NC	0.036 U	0.036 U	0.27 U	0.05 U	0.047 U	0.049 U
Total PCBs	1336-36-3	0.1	0.29	0.034 J	4.7	0.29	2.1	0.35

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
mg/kg - milligrams per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.
Exceeds Unrestricted SCO listed in Part 375.

Table 6D1 - Existing Surface Cover Soil Results Compared to Un
PCBs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SS-131	SS-132	SS-135	SS-138	SS-143	SS-145
		Sample ID	SS-131-0-0.17-092016	SS-132-1-1.5-092216	SS-135-0-0.17-091916	SS-138-0.5-1-092016	SS-143-0-0.17-091916	SS-145-0.5-1.5-092116
		Sample Date	9/20/2016	9/22/2016	9/19/2016	9/20/2016	9/19/2016	9/21/2016
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Lab SDG	2177436	2177432	2176860	2177433	2176860	2177433
		Start Depth	0	1	0	0.5	0	0.5
		End Depth	0.17	1.5	0.17	1	0.17	1.5
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]						
PCBs								
Aroclor 1268	11100-14-4	NC	0.036 U	0.034 U	0.044 U	0.034 U	0.047 U	0.039 U
Aroclor-1016	12674-11-2	NC	0.036 U	0.034 U	0.044 U	0.034 U	0.047 U	0.039 U
Aroclor-1221	11104-28-2	NC	0.036 U	0.034 U	0.044 U	0.034 U	0.047 U	0.039 U
Aroclor-1232	11141-16-5	NC	0.036 U	0.034 U	0.044 U	0.034 U	0.047 U	0.039 U
Aroclor-1242	53469-21-9	NC	0.036 U	0.034 U	0.044 U	0.034 U	0.047 U	0.039 U
Aroclor-1248	12672-29-6	NC	0.036 U	0.034 U	0.044 U	0.034 U	0.047 U	0.039 U
Aroclor-1254	11097-69-1	NC	0.036 U	0.034 U	0.044 U	0.034 U	0.047 U	0.039 U
Aroclor-1260	11096-82-5	NC	0.011 J	0.013 J	0.044 U	0.034 U	0.047 U	0.039 U
PCB-1262	37324-23-5	NC	0.036 U	0.034 U	0.044 U	0.034 U	0.047 U	0.039 U
Total PCBs	1336-36-3	0.1	0.011 J	0.013 J	0.044 U	0.034 U	0.047 U	0.039 U

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
mg/kg - milligrams per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.
Exceeds Unrestricted SCO listed in Part 375.

Table 6E - Surface Soil Results Compared to Unrestricted SCOs
Inorganics
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SS-101	SS-103	SS-105	SS-106	SS-108	SS-109	SS-111	SS-112	SS-114	SS-115
		Sample ID	SS-101-0-0.17-092016	SS-103-0-0.17-092016	SS-105-0-0.17-091916	SS-106-0-0.17-091916	SS-108-0-0.17-091916	SS-109-0-0.17-091916	SS-111-0-0.17-091916	SS-112-0-0.17-091916	SS-114-0-0.17-092016	SS-115-0-0.17-092016
		Sample Date	9/20/2016	9/20/2016	9/19/2016	9/19/2016	9/19/2016	9/19/2016	9/19/2016	9/19/2016	9/20/2016	9/20/2016
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Lab SDG	R1609909	R1609909	R1609864	R1609864	R1609864	R1609864	R1609864	R1609864	R1609909	R1609909
		Start Depth	0	0	0	0	0	0	0	0	0	0
		End Depth	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]										
Inorganics												
Aluminum	7429-90-5	NC	3,530 J	6,230 J	5,430	7,290	5,080	7,660	12,700	5,890	2,970 J	9,970 J
Antimony	7440-36-0	NC	7.4 U	7.3 U	1.7 J	0.353 J	8 U	0.873 J	1.4 J	26.3	6.9 J	8.8 U
Arsenic	7440-38-2	13	2.3	5.9	7.8	7.7	3.7	9.1	19	21.3	16.9	37.2
Barium	7440-39-3	350	31.3 J	110 J	491	68.2	39.8	94.9	90.1	466	99.4 J	138 J
Beryllium	7440-41-7	7.2	0.172 J	0.315 J	0.461 J	0.441 U	0.399 U	0.452	0.809	0.486	0.414	0.788
Cadmium	7440-43-9	2.5	0.185 J	0.763	2.3	0.734	0.666 U	0.753 U	1.2	2.8	5	1.5
Calcium	7440-70-2	NC	2820	3,580	12,900	18,100	16,500	13,000	21,500	18,000	8,460	11,400
Chromium	7440-47-3	1*	5.9 J	10.2 J	28.7	12.6	8.3	15.7	34.6	29.9	11.8 J	27.4 J
Cobalt	7440-48-4	NC	2.8 J	4.3 J	7 J	5.4 J	4.1 J	6.1 J	7.5 J	8.8	8.7	7.7
Copper	7440-50-8	50	9.3 J	21.3 J	3,980	33	22.1	29.7	58.6	2,410	78.9 J	34.3 J
Cyanide	57-12-5	27	0.16 J	0.23 J	1.01	0.86	0.31	0.72	1.09	0.6	0.57 J	0.48 J
Iron	7439-89-6	NC	7,670 J	13,200 J	14,200	14,500	11,300	21,400	21,400	34,900	28,700 J	27,200 J
Lead	7439-92-1	63	51.8	204	652	177	68.9	82.2	148	2,640	265	128
Magnesium	7439-95-4	NC	1,070	1,410	2,100	5,420	5,380	4,380	11,100	8,210	1,570	8,060
Manganese	7439-96-5	1600	228	311	285	399	305	657	322	340	170	287
Mercury	7439-97-6	0.18	0.083 N	0.387 N	0.352 J	0.405 J	0.2 J	0.162 J	0.263 J	0.633 J	0.128 N	0.333 N
Nickel	7440-02-0	30	5.3	8.2	6.1 U	11	7.4	12.2	18.7	10.1	20.6	16.2
Potassium	7440-09-7	NC	681	881	979	1,520	1,210	1,230	2520	1,000	576	2,210
Selenium	7782-49-2	3.9	1 J	1.1 J	3	2.4	1.7	3	3.2	1.2 U	1.5	1.7
Silver	7440-22-4	2	0.111 J	0.206 J	1.3 J	0.25 J	0.107 J	0.346 J	0.953 J	1.6	0.954 J	0.321 J
Sodium	7440-23-5	NC	123 U	121 U	154 U	147 U	133 U	151 U	187	318	125 U	216
Thallium	7440-28-0	NC	1.2 U	1.2 U	1.5 U	1.5 U	1.3 U	1.5 U	1.8 U	1.2 U	1.3 U	1.5 U
Vanadium	7440-62-2	NC	11.2	17	19.5	19.4	15.7	22.1	37.6	23.7	15.7	35
Zinc	7440-66-6	109	59.9 J	353 J	1130	178	107	110	173	1,770	695 J	363 J

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
mg/kg - milligrams per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.
* - Chromium criteria is for hexavalent chromium as conservative value. Results are total chromium.

Exceeds Unrestricted SCO listed in Part 375.

Table 6E - Surface Soil Results Compared to Unrestricted SCOs
Inorganics
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SS-116	SS-121	SS-123	SS-129	SS-131	SS-134	SS-135	SS-136	SS-139	SS-140
		Sample ID	SS-116-0-0.17-092016	SS-121-0-0.17-092016	SS-123-0-0.17-092016	SS-129-0-0.17-092016	SS-131-0-0.17-092016	SS-134-0-0.17-091916	SS-135-0-0.17-091916	SS-136-0-0.17-091916	SS-139-0-0.17-091916	SS-140-0-0.17-091916
		Sample Date	9/20/2016	9/20/2016	9/20/2016	9/20/2016	9/20/2016	9/19/2016	9/19/2016	9/19/2016	9/19/2016	9/19/2016
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Lab SDG	R1609909	R1609909	R1609909	R1609909	R1609909	R1609864	R1609864	R1609864	R1609864	R1609864
		Start Depth	0	0	0	0	0	0	0	0	0	0
		End Depth	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
Chemical Name	**CAS #**	**NY Part 375 Unrestricted SCO[1]**										
Inorganics												
Aluminum	7429-90-5	NC	9,050 J	4,050 J	6,870 J	6,430 J	4,540 J	6,610	1,660	6,880	6,790	14,000
Antimony	7440-36-0	NC	1.2 J	7.9 U	1.9 J	8.6 U	6.5 U	7.6 U	1.5 J	7.7 U	8.1 U	0.754 J
Arsenic	7440-38-2	13	21.4	9.5	20.9	5.7	3.6	4.9	37.9	7.1	12.8	23.8
Barium	7440-39-3	350	201 J	38.2 J	95.2 J	3,690 J	58.3 J	47	98.6	48.5	52	55.9
Beryllium	7440-41-7	7.2	0.756	0.341 J	0.657	0.316 J	0.293 J	0.379 U	0.388 U	0.384	0.404 U	0.769
Cadmium	7440-43-9	2.5	3.4	0.563 J	1.1	2.3	0.325 J	0.632 U	0.646 U	0.64 U	0.675 U	0.905
Calcium	7440-70-2	NC	19,800	58,700	14,200	66,900	145,000	12,300	3780	3,080	6,390	15,200
Chromium	7440-47-3	1*	28.2 J	9.6 J	17.8 J	14.6 J	8.2 J	9.1	7.4	10.1	10.3	37.2
Cobalt	7440-48-4	NC	6.6 J	4.5 J	9.1	7.3	3.1 J	5.5 J	3.9 J	7.7	7.9	5.3 J
Copper	7440-50-8	50	59.8 J	20.5 J	75.3 J	31.1 J	21.2 J	18.1	72.8	17.2	23.2	79.5
Cyanide	57-12-5	27	1.37 J	0.24 J	0.49 J	0.06 J	0.04 J	0.36	0.55	0.22	0.38	0.69
Iron	7439-89-6	NC	19,200 J	13,500 J	31,500 J	22,600 J	13,900 J	13,000	16,500	16,600	17,000	14,600
Lead	7439-92-1	63	264	96.8	232	1,440	57.4	24.7	109	27	33.7	85.4
Magnesium	7439-95-4	NC	10,900	30,600	5,750	32,600	20,100	7,090	540	2,510	2,880	13,800
Manganese	7439-96-5	1600	228	249	335	417	251	425	183	341	346	188
Mercury	7439-97-6	0.18	0.605 N	0.117 N	0.735 N	1.1 N	0.041 N	0.135 J	0.706 J	0.048 J	0.063	0.204 J
Nickel	7440-02-0	30	16.5	9.3	20.8	10.9	8.4	9.8	6.1	16	15.9	13.5
Potassium	7440-09-7	NC	2770	1,230	1,180	935	755	1,170	405	1,480	1,630	2,700
Selenium	7782-49-2	3.9	2.6	1.2 J	1.6	0.651 J	1.1 U	1.6	2.1	1.3	1.6	2.6
Silver	7440-22-4	2	0.616 J	0.419 J	0.719 J	0.603 J	0.087 J	0.089 J	0.336 J	0.218 J	0.162 J	0.483 J
Sodium	7440-23-5	NC	184	131 U	153 U	144 U	292	126 U	129 U	128 U	135 U	258
Thallium	7440-28-0	NC	1.8 U	1.3 U	1.5 U	1.4 U	1.9	1.3 U	1.3 U	1.3 U	1.4 U	1.5 U
Vanadium	7440-62-2	NC	29.3	11.9	21.1	15.1	16.8	15	9.8	14.6	14.6	42.5
Zinc	7440-66-6	109	537 J	118 J	279 J	2,470 J	126 J	79.3	126	62.5	99.8	109

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
mg/kg - milligrams per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.
* - Chromium criteria is for hexavalent chromium as conservative value. Results are

Exceeds Unrestricted SCO listed in Part 375.

Table 6E - Surface Soil Results Compared to Unrestricted SCOs
Inorganics
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SS-148	SS-149	SS-150	SS-150	SS-152	SS-153
		Sample ID	SS-148-0-0.17-092016	SS-149-0-0.17-091916	DUP-006-091916	SS-150-0-0.17-091916	SS-152-0-0.17-091916	SS-153-0-0.17-091916
		Sample Date	9/20/2016	9/19/2016	9/19/2016	9/19/2016	9/19/2016	9/19/2016
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Lab SDG	R1609909	R1609864	R1609864	R1609864	R1609864	R1609864
		Start Depth	0	0	0	0	0	0
		End Depth	0.17	0.17	0.17	0.17	0.17	0.17
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]						
Inorganics								
Aluminum	7429-90-5	NC	6,620 J	4,420	6,220	6,540	8,240	8,180
Antimony	7440-36-0	NC	1.8 J	1.1 J	7.7 U	7.4 U	6.8 U	7.5 U
Arsenic	7440-38-2	13	65.4	42.5	7.3	7.7	6.7	7.1
Barium	7440-39-3	350	305 J	67.7	46.5	47.2	48.6	68.5
Beryllium	7440-41-7	7.2	0.964	0.511	0.386 U	0.369 U	0.455	0.447
Cadmium	7440-43-9	2.5	2.5	0.623 U	0.643 U	0.616 U	0.569 U	0.621 U
Calcium	7440-70-2	NC	18,100	14,000	4,760	4,620	51,000	2,820
Chromium	7440-47-3	1*	17.6 J	9.9	9.7	10	10.8	12.2
Cobalt	7440-48-4	NC	8.5	6.9	7.6	7.9	6.5	10.7
Copper	7440-50-8	50	55.1 J	84	22.1	19.7	15.5	16.6
Cyanide	57-12-5	27	0.96 J	0.32	0.32	0.25	0.12	0.13
Iron	7439-89-6	NC	26,300 J	17,800	15,200	16,500	15,600	27,400
Lead	7439-92-1	63	176	90.6	35	36	117	23.8
Magnesium	7439-95-4	NC	6,600	4,360	2,700	2,750	19,100	2,670
Manganese	7439-96-5	1600	308	249	322	338	324	435
Mercury	7439-97-6	0.18	0.857	0.298 J	0.081	0.08 J	0.058 J	0.047 J
Nickel	7440-02-0	30	27.1	13.9	15.5	16.2	10.8	17.7
Potassium	7440-09-7	NC	1,490	1,130	1,290	1,320	1,540	1,220
Selenium	7782-49-2	3.9	3.1	2.2	1.3 U	1.7	1.2 U	1.2 U
Silver	7440-22-4	2	0.597 J	0.361 J	0.283 J	0.283 J	0.057 J	0.099 J
Sodium	7440-23-5	NC	136 U	125 U	129 U	123 U	117 U	124 U
Thallium	7440-28-0	NC	1.4 U	1.3 U	1.3 U	1.2 U	1.1 U	1.2 U
Vanadium	7440-62-2	NC	25.5	17.3	14.4	15.1	18.8	17.2
Zinc	7440-66-6	109	569 J	80.5	90.3	89.6	42.4	70.6

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
mg/kg - milligrams per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.
* - Chromium criteria is for hexavalent chromium as conservative value. Results are

Exceeds Unrestricted SCO listed in Part 375.

Table 6E1 - Existing Surface Cover Soil Results Compared to Unrestricted SCOs
Inorganics
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SS-101	SS-103	SS-105	SS-106	SS-108	SS-109	SS-110	SS-111	SS-112	SS-113	SS-113
		Sample ID	SS-101-0-0.17-092016	SS-103-0-0.17-092016	SS-105-0-0.17-091916	SS-106-0-0.17-091916	SS-108-0-0.17-091916	SS-109-0-0.17-091916	SS-110-1-2-092116	SS-111-0-0.17-091916	SS-112-0-0.17-091916	DUP-005-092116	SS-113-1-2-092116
		Sample Date	9/20/2016	9/20/2016	9/19/2016	9/19/2016	9/19/2016	9/19/2016	9/21/2016	9/19/2016	9/19/2016	9/21/2016	9/21/2016
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Lab SDG	R1609909	R1609909	R1609864	R1609864	R1609864	R1609864	R1609954	R1609864	R1609864	R1609954	R1609954
		Start Depth	0	0	0	0	0	0	1	0	0	1	1
		End Depth	0.17	0.17	0.17	0.17	0.17	0.17	2	0.17	0.17	2	2
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]											
Inorganics													
Aluminum	7429-90-5	NC	3,530 J	6,230 J	5,430	7,290	5,080	7,660	2,820	12,700	5,890	7,690	6,900
Antimony	7440-36-0	NC	7.4 U	7.3 U	1.7 J	0.353 J	8 U	0.873 J	1.9 J	1.4 J	26.3	6.7 UJ	6.9 UJ
Arsenic	7440-38-2	13	2.3	5.9	7.8	7.7	3.7	9.1	16.9	19	21.3	26.5	24.5
Barium	7440-39-3	350	31.3 J	110 J	491	68.2	39.8	94.9	111	90.1	466	103	102
Beryllium	7440-41-7	7.2	0.172 J	0.315 J	0.461 J	0.441 U	0.399 U	0.452	0.547	0.809	0.486	0.533	0.485
Cadmium	7440-43-9	2.5	0.185 J	0.763	2.3	0.734	0.666 U	0.753 U	0.186 J	1.2	2.8	0.388 J	0.439 J
Calcium	7440-70-2	NC	2820	3,580	12,900	18,100	16,500	13,000	6,170	21,500	18,000	19,100	16,700
Chromium	7440-47-3	1*	5.9 J	10.2 J	28.7	12.6	8.3	15.7	7.4	34.6	29.9	12.8	11.5
Cobalt	7440-48-4	NC	2.8 J	4.3 J	7 J	5.4 J	4.1 J	6.1 J	6.8	7.5 J	8.8	12.2	10.8
Copper	7440-50-8	50	9.3 J	21.3 J	3,980	33	22.1	29.7	43.8	58.6	2,410	26.4	25.4
Cyanide	57-12-5	27	0.16 J	0.23 J	1.01	0.86	0.31	0.72	0.26	1.09	0.6	0.13	0.26
Iron	7439-89-6	NC	7,670 J	13,200 J	14,200	14,500	11,300	21,400	28,500	21,400	34,900	35,100	34,900
Lead	7439-92-1	63	51.8	204	652	177	68.9	82.2	82.7	148	2,640	47.7	45.9
Magnesium	7439-95-4	NC	1,070	1,410	2,100	5,420	5,380	4,380	2,970	11,100	8,210	11,300	9,710
Manganese	7439-96-5	1600	228	311	285	399	305	657	155	322	340	448	436
Mercury	7439-97-6	0.18	0.083 N	0.387 N	0.352 J	0.405 J	0.2 J	0.162 J	0.19	0.263 J	0.633 J	0.267	0.314
Nickel	7440-02-0	30	5.3	8.2	6.1 U	11	7.4	12.2	13.9	18.7	10.1	24	21.3
Potassium	7440-09-7	NC	681	881	979	1,520	1,210	1,230	557	2520	1,000	1,190	1,100
Selenium	7782-49-2	3.9	1 J	1.1 J	3	2.4	1.7	3	1.1 J	3.2	1.2 U	2.4	1.9
Silver	7440-22-4	2	0.111 J	0.206 J	1.3 J	0.25 J	0.107 J	0.346 J	0.077 J	0.953 J	1.6	0.122 J	0.104 J
Sodium	7440-23-5	NC	123 U	121 U	154 U	147 U	133 U	151 U	109 U	187	318	142	129
Thallium	7440-28-0	NC	1.2 U	1.2 U	1.5 U	1.5 U	1.3 U	1.5 U	1.1 U	1.8 U	1.2 U	1.1 U	1.2 U
Vanadium	7440-62-2	NC	11.2	17	19.5	19.4	15.7	22.1	13.7	37.6	23.7	19	17.1
Zinc	7440-66-6	109	59.9 J	353 J	1130	178	107	110	37.2	173	1,770	120	126

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
mg/kg - milligrams per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.
* - Chromium criteria is for hexavalent chromium as conservative value. Results are total chromium.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 6E1 - Existing Surface Cover Soil Results Compared to Unr
Inorganics
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SS-114	SS-115	SS-116	SS-117	SS-118	SS-119	SS-120	SS-121	SS-122	SS-123	SS-124
		Sample ID	SS-114-0-0.17-092016	SS-115-0-0.17-092016	SS-116-0-0.17-092016	SS-117-1-1.5-092116	SS-118-1-2-092116	SS-119-0-0.5-092116	SS-120-0.5-1-092116	SS-121-0-0.17-092016	SS-122-1.5-2-092116	SS-123-0-0.17-092016	SS-124-1-2-092216
		Sample Date	9/20/2016	9/20/2016	9/20/2016	9/21/2016	9/21/2016	9/21/2016	9/21/2016	9/20/2016	9/21/2016	9/20/2016	9/22/2016
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Lab SDG	R1609909	R1609909	R1609909	R1609954	R1609954	R1609954	R1609954	R1609909	R1609954	R1609909	R1610012
		Start Depth	0	0	0	1	1	0	0.5	0	1.5	0	1
		End Depth	0.17	0.17	0.17	1.5	2	0.5	1	0.17	2	0.17	2
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]											
Inorganics													
Aluminum	7429-90-5	NC	2,970 J	9,970 J	9,050 J	9,700	7,350	3,960	9,480	4,050 J	5,740	6,870 J	3,830
Antimony	7440-36-0	NC	6.9 J	8.8 U	1.2 J	6.7 UJ	6.4 UJ	7.2 UJ	6.7 UJ	7.9 U	7.2 UJ	1.9 J	4.5 J
Arsenic	7440-38-2	13	16.9	37.2	21.4	28.8	8.4	3.9	18.2	9.5	40.4	20.9	20.9
Barium	7440-39-3	350	99.4 J	138 J	201 J	99	49.2	51.3	76.2	38.2 J	63.7	95.2 J	97.5
Beryllium	7440-41-7	7.2	0.414	0.788	0.756	0.775	0.47	0.226 J	0.611	0.341 J	0.623	0.657	0.621
Cadmium	7440-43-9	2.5	5	1.5	3.4	0.764	0.267 J	0.465 J	0.567	0.563 J	0.359 J	1.1	2.5
Calcium	7440-70-2	NC	8,460	11,400	19,800	13,700	58,300	29,500	19,400	58,700	5960	14,200	11,600 J
Chromium	7440-47-3	1*	11.8 J	27.4 J	28.2 J	24.5	12.2	7.4	18	9.6 J	11.2	17.8 J	26.3 J
Cobalt	7440-48-4	NC	8.7	7.7	6.6 J	9.3	8.1	4 J	9.2	4.5 J	8.3	9.1	11
Copper	7440-50-8	50	78.9 J	34.3 J	59.8 J	27.4	22.3	43.3	33.4	20.5 J	28.9	75.3 J	831
Cyanide	57-12-5	27	0.57 J	0.48 J	1.37 J	0.25	0.1	0.45	0.16	0.24 J	0.11 J	0.49 J	0.11 U
Iron	7439-89-6	NC	28,700 J	27,200 J	19,200 J	21,100	19,600	11,500	29,200	13,500 J	27,700	31,500 J	38,100
Lead	7439-92-1	63	265	128	264	85.4	31.7	189	147	96.8	69.4	232	424
Magnesium	7439-95-4	NC	1,570	8,060	10,900	11,100	28,500	8,770	10,600	30,600	3,810	5,750	5,510 J
Manganese	7439-96-5	1600	170	287	228	211	422	292	275	249	200	335	558
Mercury	7439-97-6	0.18	0.128 N	0.333 N	0.605 N	0.146	0.107	0.181	0.668	0.117 N	0.291	0.735 N	0.286
Nickel	7440-02-0	30	20.6	16.2	16.5	20.6	16.2	8.5	20.1	9.3	16.1	20.8	51
Potassium	7440-09-7	NC	576	2,210	2770	1,590	1420	986	1,460	1,230	881	1,180	514
Selenium	7782-49-2	3.9	1.5	1.7	2.6	0.989 J	1.1 U	1.2 U	1.4	1.2 J	2.3	1.6	2
Silver	7440-22-4	2	0.954 J	0.321 J	0.616 J	0.079 J	0.139 J	0.238 J	0.322 J	0.419 J	0.096 J	0.719 J	0.686 J
Sodium	7440-23-5	NC	125 U	216	184	151	120	119 U	140	131 U	120 U	153 U	109 U
Thallium	7440-28-0	NC	1.3 U	1.5 U	1.8 U	1.1 U	1.1 U	1.2 U	11.1 U	1.3 U	1.2 U	1.5 U	1.1 U
Vanadium	7440-62-2	NC	15.7	35	29.3	29.9	16.6	15.3	24.2	11.9	15.9	21.1	16.7
Zinc	7440-66-6	109	695 J	363 J	537 J	165	171	118	127	118 J	113	279 J	940

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
mg/kg - milligrams per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.
* - Chromium criteria is for hexavalent chromium as conservative value. Results are total chromium.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 6E1 - Existing Surface Cover Soil Results Compared to Unr
Inorganics
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SS-125	SS-129	SS-130	SS-131	SS-132	SS-133	SS-134	SS-135	SS-136	SS-137	SS-138
		Sample ID	SS-125-1-2-092216	SS-129-0-0.17-092016	SS-130-0.5-1.5-092216	SS-131-0-0.17-092016	SS-132-1-1.5-092216	SS-133-1-2-092016	SS-134-0-0.17-091916	SS-135-0-0.17-091916	SS-136-0-0.17-091916	SS-137-1.5-2-092016	SS-138-0.5-1-092016
		Sample Date	9/22/2016	9/20/2016	9/22/2016	9/20/2016	9/22/2016	9/20/2016	9/19/2016	9/19/2016	9/19/2016	9/20/2016	9/20/2016
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Lab SDG	R1610012	R1609909	R1610012	R1609909	R1610012	R1609909	R1609864	R1609864	R1609864	R1609909	R1609954
		Start Depth	1	0	0.5	0	1	1	0	0	0	1.5	0.5
		End Depth	2	0.17	1.5	0.17	1.5	2	0.17	0.17	0.17	2	1
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]											
Inorganics													
Aluminum	7429-90-5	NC	3,790	6,430 J	6,620	4,540 J	4,860	3,880 J	6,610	1,660	6,880	5,800 J	6,730 J
Antimony	7440-36-0	NC	0.69 J	8.6 U	6.9 U	6.5 U	6.4 U	14.4	7.6 U	1.5 J	7.7 U	6.7 U	6.4 UJ
Arsenic	7440-38-2	13	18.2	5.7	20.6	3.6	5.5	30.5	4.9	37.9	7.1	5	7.4 J
Barium	7440-39-3	350	98.7	3,690 J	123	58.3 J	49.8	119 J	47	98.6	48.5	42.7 J	46.9 J
Beryllium	7440-41-7	7.2	0.654	0.316 J	0.949	0.293 J	0.308 J	0.623	0.379 U	0.388 U	0.384	0.325 J	0.375 J
Cadmium	7440-43-9	2.5	1.4	2.3	0.625	0.325 J	0.531 U	0.634	0.632 U	0.646 U	0.64 U	0.101 J	0.182 J
Calcium	7440-70-2	NC	14,000 J	66,900	26,900 J	145,000	103,000 J	12,700	12,300	3780	3,080	12,300	2410 J
Chromium	7440-47-3	1*	28.5 J	14.6 J	13.1 J	8.2 J	7.6 J	11.1 J	9.1	7.4	10.1	9.2 J	10.3 J
Cobalt	7440-48-4	NC	10	7.3	11.3	3.1 J	4.2 J	7.9	5.5 J	3.9 J	7.7	6.7	8.4 J
Copper	7440-50-8	50	73.5	31.1 J	41.7	21.2 J	22.8	175 J	18.1	72.8	17.2	13.1 J	14 J
Cyanide	57-12-5	27	0.23	0.06 J	0.31	0.04 J	0.032 J	0.36 J	0.36	0.55	0.22	0.03 J	0.043 J
Iron	7439-89-6	NC	36,300	22,600 J	22,800	13,900 J	11,000	26,400 J	13,000	16,500	16,600	15,100 J	17,600 J
Lead	7439-92-1	63	105	1,440	83	57.4	72.4	1,450	24.7	109	27	13.4	17.8 J
Magnesium	7439-95-4	NC	6,820 J	32,600	14,700 J	20,100	13,400 J	3,350	7,090	540	2,510	4,620	2,980 J
Manganese	7439-96-5	1600	747	417	157	251	334	213	425	183	341	224	371 J
Mercury	7439-97-6	0.18	0.263	1.1 N	0.338	0.041 N	0.279	6.9 N	0.135 J	0.706 J	0.048 J	0.022 NJ	0.03 J
Nickel	7440-02-0	30	25	10.9	27	8.4	9.6	16.5	9.8	6.1	16	13.6	17.3 J
Potassium	7440-09-7	NC	653	935	683	755	981	636	1,170	405	1,480	882	922 J
Selenium	7782-49-2	3.9	11.9 U	0.651 J	11.6 U	1.1 U	1.1 U	0.78 J	1.6	2.1	1.3	0.71 J	1.1 UJ
Silver	7440-22-4	2	0.345 J	0.603 J	0.069 J	0.087 J	0.064 J	0.436 J	0.089 J	0.336 J	0.218 J	1.1 U	1.1 UJ
Sodium	7440-23-5	NC	140	144 U	116 U	292	183	155	126 U	129 U	128 U	112 U	107 UJ
Thallium	7440-28-0	NC	1.2 U	1.4 U	1.2 U	1.9	0.648 J	1 U	1.3 U	1.3 U	1.3 U	1.1 U	1.1 UJ
Vanadium	7440-62-2	NC	15.9	15.1	19	16.8	19.8	20	15	9.8	14.6	13.8	14 J
Zinc	7440-66-6	109	309	2,470 J	349	126 J	77.6	231 J	79.3	126	62.5	42.9 J	55.5 J

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
mg/kg - milligrams per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.
* - Chromium criteria is for hexavalent chromium as conservative value. Results are total chromium.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 6E1 - Existing Surface Cover Soil Results Compared to Unr
Inorganics
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SS-139	SS-140	SS-141[BB]	SS-142	SS-144	SS-145
		Sample ID	SS-139-0-0.17-091916	SS-140-0-0.17-091916	SS-141-1-2-092116	SS-142-0.5-1.5-092116	SS-144-0.5-1.5-092116	SS-145-0.5-1.5-092116
		Sample Date	9/19/2016	9/19/2016	9/21/2016	9/21/2016	9/21/2016	9/21/2016
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Lab SDG	R1609864	R1609864	R1609954	R1609954	R1609954	R1609954
		Start Depth	0	0	1	0.5	0.5	0.5
		End Depth	0.17	0.17	2	1.5	1.5	1.5
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]						
Inorganics								
Aluminum	7429-90-5	NC	6,790	14,000	22,300	5,230	7,050	2,710
Antimony	7440-36-0	NC	8.1 U	0.754 J	8.1 UJ	2.3 J	6.5 UJ	0.486 J
Arsenic	7440-38-2	13	12.8	23.8	29.3	14.3	7.1	48.6
Barium	7440-39-3	350	52	55.9	44.3	257	52.9	49.5
Beryllium	7440-41-7	7.2	0.404 U	0.769	0.886	0.676	0.387	0.474
Cadmium	7440-43-9	2.5	0.675 U	0.905	1.2	1.5	0.237 J	0.095 J
Calcium	7440-70-2	NC	6,390	15,200	48,900	9,180	1,900	3,220
Chromium	7440-47-3	1*	10.3	37.2	54.8	27.2	10.6	6.8
Cobalt	7440-48-4	NC	7.9	5.3 J	3.4 J	7.7	8.2	6.6
Copper	7440-50-8	50	23.2	79.5	11.8	291	15.3	84.9
Cyanide	57-12-5	27	0.38	0.69	0.34	1.31	0.07 J	0.58
Iron	7439-89-6	NC	17,000	14,600	15,700	22,200	17,500	8,560
Lead	7439-92-1	63	33.7	85.4	43.2	346	22.5	56.4
Magnesium	7439-95-4	NC	2,880	13,800	31,100	2,990	2,580	681
Manganese	7439-96-5	1600	346	188	135	205	316	96.1
Mercury	7439-97-6	0.18	0.063	0.204 J	0.134	2.9	0.046	0.096
Nickel	7440-02-0	30	15.9	13.5	17.1	15.1	17.1	13.3
Potassium	7440-09-7	NC	1,630	2,700	2,740	895	1010	693
Selenium	7782-49-2	3.9	1.6	2.6	0.846 J	2	1.1 U	1.7
Silver	7440-22-4	2	0.162 J	0.483 J	0.161 J	0.27 J	0.054 J	0.071 J
Sodium	7440-23-5	NC	135 U	258	715	137	108 U	118 U
Thallium	7440-28-0	NC	1.4 U	1.5 U	1.3 U	1.1 U	1.1 U	1.2 U
Vanadium	7440-62-2	NC	14.6	42.5	58.7	16.9	14.6	15.9
Zinc	7440-66-6	109	99.8	109	136	487	55.8	25.8

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
mg/kg - milligrams per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.
* - Chromium criteria is for hexavalent chromium as conservative value. Results are total chromium.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 6E1 - Existing Surface Cover Soil Results Compared to Unr
Inorganics
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SS-147	SS-148	SS-149	SS-150	SS-150	SS-151	SS-152	SS-153
		Sample ID	SS-147-0.5-1.5-092116	SS-148-0-0.17-092016	SS-149-0-0.17-091916	DUP-006-091916	SS-150-0-0.17-091916	SS-151-0-0.5-092116	SS-152-0-0.17-091916	SS-153-0-0.17-091916
		Sample Date	9/21/2016	9/20/2016	9/19/2016	9/19/2016	9/19/2016	9/21/2016	9/19/2016	9/19/2016
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Lab SDG	R1609954	R1609909	R1609864	R1609864	R1609864	R1609954	R1609864	R1609864
		Start Depth	0.5	0	0	0	0	0	0	0
		End Depth	1.5	0.17	0.17	0.17	0.17	0.5	0.17	0.17
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]								
Inorganics										
Aluminum	7429-90-5	NC	9,040	6,620 J	4,420	6,220	6,540	6,290	8,240	8,180
Antimony	7440-36-0	NC	6.8 UJ	1.8 J	1.1 J	7.7 U	7.4 U	7.1 UJ	6.8 U	7.5 U
Arsenic	7440-38-2	13	11.3	65.4	42.5	7.3	7.7	25.9	6.7	7.1
Barium	7440-39-3	350	86.6	305 J	67.7	46.5	47.2	52.1	48.6	68.5
Beryllium	7440-41-7	7.2	0.488	0.964	0.511	0.386 U	0.369 U	0.435	0.455	0.447
Cadmium	7440-43-9	2.5	0.386 J	2.5	0.623 U	0.643 U	0.616 U	0.341 J	0.569 U	0.621 U
Calcium	7440-70-2	NC	4,470	18,100	14,000	4,760	4,620	3,280	51,000	2,820
Chromium	7440-47-3	1*	17.3	17.6 J	9.9	9.7	10	11.2	10.8	12.2
Cobalt	7440-48-4	NC	6.7	8.5	6.9	7.6	7.9	8	6.5	10.7
Copper	7440-50-8	50	24	55.1 J	84	22.1	19.7	37	15.5	16.6
Cyanide	57-12-5	27	0.17	0.96 J	0.32	0.32	0.25	0.13	0.12	0.13
Iron	7439-89-6	NC	19,000	26,300 J	17,800	15,200	16,500	21,200	15,600	27,400
Lead	7439-92-1	63	47.5	176	90.6	35	36	49	117	23.8
Magnesium	7439-95-4	NC	3,750	6,600	4,360	2,700	2,750	2,610	19,100	2,670
Manganese	7439-96-5	1600	433	308	249	322	338	286	324	435
Mercury	7439-97-6	0.18	16.4	0.857	0.298 J	0.081	0.08 J	0.217	0.058 J	0.047 J
Nickel	7440-02-0	30	14.6	27.1	13.9	15.5	16.2	17.2	10.8	17.7
Potassium	7440-09-7	NC	1420	1,490	1,130	1,290	1,320	1,190	1,540	1,220
Selenium	7782-49-2	3.9	1.3	3.1	2.2	1.3 U	1.7	0.917 J	1.2 U	1.2 U
Silver	7440-22-4	2	0.057 J	0.597 J	0.361 J	0.283 J	0.283 J	0.282 J	0.057 J	0.099 J
Sodium	7440-23-5	NC	113 U	136 U	125 U	129 U	123 U	118 U	117 U	124 U
Thallium	7440-28-0	NC	1.1 U	1.4 U	1.3 U	1.3 U	1.2 U	1.2 U	1.1 U	1.2 U
Vanadium	7440-62-2	NC	25	25.5	17.3	14.4	15.1	16.3	18.8	17.2
Zinc	7440-66-6	109	159	569 J	80.5	90.3	89.6	77.9	42.4	70.6

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
mg/kg - milligrams per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.
* - Chromium criteria is for hexavalent chromium as conservative value. Results are total chromium.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.
(shaded) Exceeds Unrestricted SCO listed in Part 375.

Table 7A - Summary Statistics - Surface Soil Sample Exceedances of Criteria
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

	Number of Samples	Number Detected	Concentration Range		Unrestricted SCO		Residential SCO		Restricted Residential SCO		Maximum Concentration Location
			Minimum	Maximum	Criteria	Exceedances	Criteria	Exceedances	Criteria	Exceedances	
VOCs (µg/kg)											
Acetone	27	15	ND	130	50	3	100,000	0	100,000	0	SS-100
SVOCs (µg/kg)											
Benzo[a]anthracene	26	25	53.2	3,290	1,000	5	1,000	5	1,000	5	SS-135
Benzo[a]pyrene	26	26	51.9	3,780	1,000	8	1,000	8	1,000	8	SS-135
Benzo[b]fluoranthene	26	26	73.6	5,840	1,000	10	1,000	10	1,000	10	SS-135
Benzo[k]fluoranthene	26	23	46.6	2,200	800	4	1,000	4	3,900	0	SS-135
Chrysene	26	26	45.8	4,140	1,000	10	1,000	10	3,900	1	SS-135
Dibenzo[a,h]Anthracene	26	24	12.8	582	330	5	330	5	330	5	SS-135
Indeno[1,2,3-cd]pyrene	26	26	44.6	2,340	500	11	500	11	500	11	SS-135
2-Methylnaphthalene	26	22	8.3	1,190	NC	0	410[cp]	5	NC	0	SS-123

Notes:

*Chromium SCO is Hexavalent Chromium/Trivalent Chromium. Results are Total Chromium.

[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance,

mg/kg - milligrams per kilogram

NC - No Criteria

NA - Not Applicable

SCOs - Soil Cleanup Objectives per 6NYCRR Part 375 .

µg/kg - micrograms per kilogram

Table 7A - Summary Statistics - Surface Soil Sample Exceedances of Criteria
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

	Number of Samples	Number Detected	Concentration Range		Unrestricted SCO		Residential SCO		Restricted Residential SCO		Maximum Concentration Location
			Minimum	Maximum	Criteria	Exceedances	Criteria	Exceedances	Criteria	Exceedances	
Metals (mg/kg)											
Arsenic	27	27	2.3	65.4	13	10	16	10	16	10	SS-148
Barium	27	27	31.3	3690	350	3	350	3	400	3	SS-129
Cadmium	27	16	ND	5	2.5	5	2.5	3	4.3	1	SS-114
Chromium*	27	27	5.9	37.2	1/30	27/2	22/36	6/1	110/180	0/0	SS-140
Copper	27	27	9.3	3980	50	10	270	2	270	2	SS-105
Iron	27	27	7670	34900	NC	NA	2,000[CP]	27	NC	NA	SS-124
Lead	27	27	17.8	2640	63	18	400	3	400	3	SS-112
Mercury	27	27	0.03	1.1	0.18	14	0.81	2	0.81	2	SS-129
Zinc	27	27	42.4	2470	109	15	2200	1	10000	0	SS-129
PCBs (mg/kg)											
Total PCBs	9	7	ND	4.7	0.1	4	1	2	1	2	SS-126
Pesticides/Herbicides (µg/kg)											
4-4-DDE	10	6	ND	18.6	3.3	5	1800	0	8900	0	SS-114
4-4-DDT	10	6	ND	22.2	3.3	6	1700	0	7900	0	SS-140

Notes:

*Chromium SCO is Hexavalent Chromium/Trivalent Chromium. Results are Total Chromium.

[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance,

mg/kg - milligrams per kilogram

NC - No Criteria

NA - Not Applicable

SCOs - Soil Cleanup Objectives per 6NYCRR Part 375 .

µg/kg - micrograms per kilogram

Table 7B - Summary Statistics - Surface Cover Sample Exceedances of Criteria
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

	Number of Samples	Number Detected	Concentration Range		Unrestricted SCO		Residential SCO		Restricted Residential SCO		Maximum Concentration Location
			Minimum	Maximum	Criteria	Exceedances	Criteria	Exceedances	Criteria	Exceedances	
VOCs (µg/kg)											
Acetone	41	20	ND	130	50	3	100,000	0	100,000	0	SS-100
SVOCs (µg/kg)											
Acenaphthene	47	26	11.1	96,200	20,000	1	100,000	0	100,000	0	SS-141
Anthracene	47	43	11.4	184,000	100,000	1	100,000	1	100,000	1	SS-141
Benzo[a]anthracene	47	43	53.2	232,000	1,000	14	1,000	14	1,000	14	SS-141
Benzo[a]pyrene	47	45	46.9	202,000	1,000	17	1,000	17	1,000	17	SS-141
Benzo[b]fluoranthene	47	47	31.3	262,000	1,000	19	1,000	19	1,000	19	SS-141
Benzo[g,h,i]perylene	47	45	39.9	114,000	100,000	1	100,000	1	100,000	1	SS-141
Benzo[k]fluoranthene	47	42	29.4	99,400	800	11	1,000	9	3,900	3	SS-141
Chrysene	47	46	34.1	229,000	1,000	18	1,000	18	3,900	4	SS-141
Dibenzo[a,h]Anthracene	47	41	11.5	32,100	330	10	330	10	330	10	SS-141
Dibenzofuran	47	32	9.1	81,900	7,000	2	14,000	1	59,000	1	SS-141
Fluoranthene	47	47	38.1	598,000	100,000	2	100,000	2	100,000	2	SS-141
Fluorene	47	28	11.2	114,000	30,000	1	100,000	1	100,000	1	SS-141
Indeno[1,2,3-cd]pyrene	47	45	40.9	127,000	500	20	500	20	500	20	SS-141
Naphthalene	47	29	59.7	95,000	12,000	1	100,000[CP]	0	100,000	0	SS-141
Phenanthrene	47	47	20.7	733,000	100,000	2	100,000	2	100,000	2	SS-141
Pyrene	47	47	31.8	470,000	100,000	2	100,000	2	100,000	2	SS-141

Notes:
*Chromium SCO is Hexavalent Chromium/Trivalent Chromium. Results are Total Chromium.
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance,
mg/kg - milligrams per kilogram
NC - No Criteria
NA - Not Applicable
SCOs - Soil Cleanup Objectives per 6NYCRR Part 375 .
µg/kg - micrograms per kilogram

Table 7B - Summary Statistics - Surface Cover Sample Exceedances of Criteria
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

	Number of Samples	Number Detected	Concentration Range		Unrestricted SCO		Residential SCO		Restricted Residential SCO		Maximum Concentration Location
			Minimum	Maximum	Criteria	Exceedances	Criteria	Exceedances	Criteria	Exceedances	
Metals (mg/kg)											
Arsenic	47	47	2.3	65	13	24	16	23	16	23	SS-148
Barium	47	47	31.3	3,690	350	3	350	3	400	3	SS-129
Cadmium	47	35	ND	5	2.5	5	2.5	3	4.3	1	SS-114
Chromium*	47	47	5.9	55	1/30	47/3	22/36	11/2	110/180	0/0	SS-141
Copper	47	47	9.3	3,980	50	15	270	4	270	4	SS-105
Iron	47	47	7,670	38,100	NC	NA	2,000[CP]	47	NC	NA	SS-124
Lead	47	47	13.4	2,640	63	29	400	5	400	5	SS-112
Mercury	47	36	0.03	16	0.18	28	0.81	5	0.81	5	SS-147
Nickel	47	46	5.3	51	30	1	140	0	310	0	SS-124
Zinc	47	47	25.8	2,470	109	30	2200	1	10,000	0	SS-129
PCBs (mg/kg)											
Total PCBs	18	10	ND	4.7	0.1	5	1	2	1	2	SS-126
Pesticides/Herbicides (µg/kg)											
4-4-DDE	21	9	ND	18.6	3.3	7	1,800	0	8,900	0	SS-135
4-4-DDT	21	10	ND	48.1	3.3	8	1,700	0	7,900	0	SS-124
Dieldrin	21	1	ND	20.7	5	1	39	0	200	0	SS-124

Notes:

*Chromium SCO is Hexavalent Chromium/Trivalent Chromium. Results are Total Chromium.

[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance,

mg/kg - milligrams per kilogram

NC - No Criteria

NA - Not Applicable

SCOs - Soil Cleanup Objectives per 6NYCRR Part 375 .

µg/kg - micrograms per kilogram

Table 7C - Summary Statistics - Subsurface Soil Sample Exceedances of Criteria
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

	Number of Samples	Number Detected	Concentration Range		Unrestricted SCO		Residential SCO		Restricted Residential SCO		Maximum Concentration Location
			Minimum	Maximum	Criteria	Exceedances	Criteria	Exceedances	Criteria	Exceedances	
VOCs (µg/kg)											
Benzene	212	23	ND	4,400	60	2	2,900	1	4,800	0	OVR-117
1,2,4-Trimethylbenzene	121	23	0.25	31,000	3,600	4	47	0	52	0	SB-169
1,3,5-Trimethylbenzene	121	17	0.53	22,000	8,400	3	47	0	52	0	OVR-117
2-Butanone (MEK)	121	58	1.2	240	120	1	100	0	100	0	TP-127
Acetone	121	73	2.2	420	50	13	100	0	100	0	TP-130
Ethylbenzene	121	17	0.086	12,000	1,000	1	30	0	41	0	OVR-117
n-Propylbenzene	121	5	40	4,300	3,900	1	100	0	100	0	OVR-117
Toluene	121	18	0.74	35,000	700	1	100	0	100	0	OVR-117
Total Xylenes	121	23	ND	88,110	260	5	100	0	100	0	SB-169
SVOCs (µg/kg)											
2-Methylnaphthalene	128	51	ND	30,600	NC	NA	410[CP]	9	NC	NA	OVR-117
Benzo[a]anthracene	128	65	ND	112,000	1,000	15	1,000	15	1,000	15	TP-117
Benzo[a]pyrene	128	52	ND	106,000	1,000	14	1,000	14	1,000	14	TP-117
Benzo[b]fluoranthene	128	60	ND	148,000	1,000	17	1,000	17	1,000	17	TP-117
Benzo[k]fluoranthene	128	40	ND	52,700	800	12	1,000	9	3,900	3	TP-117
Chrysene	128	61	ND	115,000	1,000	18	1,000	11	3,900	2	TP-117
Dibenzo[a,h]Anthracene	128	41	ND	17,300	330	12	330	12	330	12	TP-117
Fluoranthene	128	58	ND	230,000	100,000	1	100,000	1	100,000	1	TP-117
Indeno[1,2,3-cd]pyrene	128	53	ND	73,200	500	17	500	17	500	17	TP-117
m-Cresol & p-Cresol	128	23	ND	795	330	1	100,000	0	100,000	0	SB-130
Naphthalene	128	47	ND	359,000	12000	1	100,000	1	100,000	1	OVR-119
Phenanthrene	128	71	ND	121,000	100,000	1	100,000	1	100,000	1	TP-117
Phenol	128	8	ND	957	330	1	100,000	0	100,000	0	OVR-117
Pyrene	128	67	ND	197,000	100,000	1	100,000	1	100,000	1	TP-117

Notes:

*Chromium SCO is Hexavalent Chromium/Trivalent Chromium. Results are Total Chromium.

[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance,

mg/kg - milligrams per kilogram

NC - No Criteria

NA - Not Applicable

SCOs - Soil Cleanup Objectives per 6NYCRR Part 375 .

µg/kg - micrograms per kilogram

Table 7C - Summary Statistics - Subsurface Soil Sample Exceedances of Criteria
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

	Number of Samples	Number Detected	Concentration Range		Unrestricted SCO		Residential SCO		Restricted Residential SCO		Maximum Concentration Location
			Minimum	Maximum	Criteria	Exceedances	Criteria	Exceedances	Criteria	Exceedances	
Metals (mg/kg)											
Arsenic	123	123	0.857	510	13	31	16	27	16	27	TP-125
Cadmium	123	60	ND	7.6	2.5	2	2.5	2	4.3	2	TP-125
Chromium*	123	122	ND	129	1/30	122/13	22/36	16/12	110/180	1/0	SB-144
Copper	123	123	3.9	11,300	50	14	270	1	270	1	SB-133
Iron	123	123	4,120	156,000	NC	NA	2,000[CP]	123	NC	NA	TP-125
Lead	123	115	ND	1,080	63	23	400	4	400	4	SB-135
Manganese	123	114	19.4	2,550	1600	2	2,000	2	2,000	2	TP-149
Mercury	123	107	ND	44.2	0.18	26	0.81	11	0.81	11	TP-115
Nickel	123	116	ND	75.8	30	2	140	0	310	0	TP-105
Selenium	123	35	ND	5.7	3.9	2	36	0	180	0	SB-135
Silver	123	45	ND	2.8	2	1	36	0	180	0	SB-100
Zinc	123	16	12.7	2,580	109	28	2,200	0	10,000	0	TP-143
PCBs (mg/kg)											
Total PCBs	112	6	ND	0.23	0.1	1	1	0	1	0	SB-147
Pesticides/Herbicides (µg/kg)											
4-4-DDD	50	2	ND	6.4	3.3	1	2,600	0	13,000	0	TP-132
4-4-DDE	50	1	ND	5.1	3.3	1	1,800	0	8,900	0	TP-132
4-4-DDT	50	2	ND	5.1	3.3	1	1,700	0	7,900	0	TP-132
Dieldrin	50	1	ND	17.7	5	1	39	0	200	0	TP-149

Notes:

*Chromium SCO is Hexavalent Chromium/Trivalent Chromium. Results are Total Chromium.

[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance,

mg/kg - milligrams per kilogram

NC - No Criteria

NA - Not Applicable

SCOs - Soil Cleanup Objectives per 6NYCRR Part 375 .

µg/kg - micrograms per kilogram

Table 7D
Summary Statistics - Overburden Groundwater Sample Exceedances of Criteria
Portion of Former Vacuum Oil Refinery
Rochester, NY

		Round 1 (August 2016)					Round 2 (December 2016, August 2017)*						
	Criteria	No. of Samples	No Detected	Concentration Range		Exceedances	No. of Samples	No Detected	Concentration Range		Exceedances	Maximum Concentration	
				Min	Max				Min	Max		Location	Round
VOCS (µg/L)													
1,1-Dichloroethane	5	34	9	ND	77	1	43	6	ND	26	1	OVR-132	1
1,2,4-Trimethylbenzene	5	34	7	ND	8.7	1	43	10	ND	3	0	OVR-117	1
1,3,5-Trimethylbenzene	5	34	5	ND	11	1	43	4	ND	3.1	0	OVR-117	1
2-Butanone	50	34	4	ND	150	1	43	3	ND	36	0	OVR-117	1
2-Hexanone	50	34	1	ND	87	1	43	0	ND	0	0	OVR-117	1
Acetone	50	34	6	ND	170	1	43	23	ND	54	1	OVR-117	1
Benzene	1	34	6	ND	7.7	4	43	7	ND	1.2	1	OVR-107	1
Chloroethane	5	34	7	ND	54	3	43	4	ND	16	2	OVR-107	1
Ethylbenzene	5	34	3	ND	8.5	1	43	1	ND	2.2	0	OVR-117	1
o-Xylene	5	34	5	ND	7.2	1	43	6	ND	0.38	0	OVR-117	1
Toluene	5	34	4	ND	22	1	43	5	ND	2.3	0	OVR-117	1
Trichloroethene	5	34	5	ND	7.3	1	43	5	ND	4	0	OVR-109	1
Vinyl Chloride	2	34	3	ND	2.1	1	43	2	ND	1.4	0	OVR-132	1
Xylenes (total)	5	34	34	ND	33.2	1	43	43	ND	5.8	1	OVR-117	1
SVOCs (µg/L)													
Benzo[a]anthracene	0.002	33	1	1.1	1.1	1	34	1	2.2	2.2	1	OVR-119	2
Benzo[a]pyrene	0	33	1	1	1	1	34	1	2.1	2.1	1	OVR-119	2
Benzo[b]fluoranthene	0.002	33	1	1.1	1.1	1	34	1	2.1	2.1	1	OVR-119	2
Benzo[k]fluoranthene	0.002	33	1	0.48	0.48	1	34	0	0	0	0	OVR-119	1
Bis(2-Ethylhexyl)phthalate	5	33	7	0.23	1	0	34	5	1.3	29	1	OVR-130	2
Chrysene	0.002	33	1	1.2	1.2	1	34	1	2.2	2.2	1	OVR-119	2
Indeno[1,2,3-cd]pyrene	0.002	33	1	0.66	0.66	1	34	1	1.5	1.5	1	OVR-119	2
Naphthalene	10	33	3	0.15	13.6	1	34	2	4.8	5.3	0	OVR-117	1
METALS (µg/L)													
Arsenic	25	34	20	5.1	408	7	34	17	5.2	333	4	OVR-130	1
Barium	1,000	34	34	22.9	1890	1	34	34	31.5	426	0	OVR-126	1
Beryllium	3	34	3	0.2	14.2	1	34	2	0.3	0.4	0	OVR-126	1
Chromium	50	34	5	3.5	466	1	34	7	0.4	11.6	0	OVR-126	1
Copper	200	34	9	0.9	484	1	34	32	0.7	17.9	0	OVR-126	1
Iron	300	34	33	2490	573000	33	34	34	183	41800	33	OVR-126	1
Lead	25	34	14	2.1	335	1	34	13	2.2	37	1	OVR-126	1
Magnesium	35,000	34	34	35500	224000	34	34	34	35500	150000	34	OVR-126	1
Manganese	300	34	34	238	12300	33	34	34	113	13400	33	OVR-114	2
Nickel	100	34	4	2.2	460	1	34	2	3.9	5.3	0	OVR-126	1
Selenium	10	34	18	3.5	23.6	2	34	1	4.2	4.2	0	OVR-126	1
Sodium	20,000	34	34	5500	274000	25	34	34	5740	280000	25	MW-3	2
Thallium	0.5	34	3	10.3	26.1	3	34	8	2.5	18.6	8	OVR-119	1
PCBs (µg/L)													
Total PCBs	0.09	No Detections					34	1	ND	0.171	1	OVR-100	2

Notes:
Grab Groundwater samples (GW-#) collected in August 2017 are included in round 2 statistics for VOCs.
Duplicate Analyses are not included in the statistics presented.

Table 7E
Summary Statistics - Bedrock Groundwater Sample Exceedances of Criteria
Portion of Former Vacuum Oil Refinery
Rochester, NY

		Round 1 (August 2016)					Round 2 (December 2016)					Maximum Concentration	
	Criteria	No. of Samples	No Detected	Concentration Range Min	Concentration Range Max	Exceedances	No. of Samples	No Detected	Concentration Range Min	Concentration Range Max	Exceedances	Location	Round
VOCS (µg/L)													
		No Exceedances											
SVOCs (µg/L)													
		No SVOCs Detected											
METALS (µg/L)													
Iron	300		3	169	2720	1		3	50.3	2670	2	BED-102	1
Magnesium	35,000		5	41000	110000	5		5	51900	89400	5	BED-100	1
Manganese	300		4	31.7	833	2		5	32	405	1	BED-103	1
Sodium	20,000		5	22600	68200	5		5	28100	70200	5	BED-101	2
Thallium	0.5		0	0	0	0		1	2.7	2.7	1	BED-103	2
PCBs (µg/L)													
		No PCBs Detected											

Notes:
Duplicate Analyses are not included in the statistics presented.

Table 8A - Subsurface Soil Results Compared to Restricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

			Sample Location	OVR-100	OVR-107	OVR-108	OVR-109	OVR-109
			Sample ID	OVR-100-6-7-04222016	OVR-107-10-11-041216	OVR-108-4.1-5.4-041316	DUP-004-041116	OVR-109-10-11.8-041116
			Sample Date	4/22/2016	4/12/2016	4/13/2016	4/11/2016	4/11/2016
			Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
			Lab SDG	R1603557	R1603190	R1603557	R1603190	R1603190
			Start Depth	6	10	4.1	10	10
			End Depth	7	11	5.4	11.8	11.8
Chemical Name	**CAS #**	**NY Part 375 Residential SCO[1]**	**NY Part 375 Restricted Residential SCO[1]**					
VOCs								
1,1,1-Trichloroethane	71-55-6	100,000	100,000	3.2 U	2.2 U	4.3 U	240 U	210 U
1,1,2,2-Tetrachloroethane	79-34-5	35,000[CP]	NC	3.2 U	2.2 U	4.3 U	240 U	210 U
1,1,2-Trichloroethane	79-00-5	NC	NC	3.2 U	2.2 U	4.3 U	240 U	210 U
1,1-Dichloroethane	75-34-3	19,000	26,000	3.2 U	2.2 U	4.3 U	240 U	210 U
1,1-Dichloroethene	75-35-4	100,000	100,000	3.2 U	2.2 U	4.3 U	240 U	210 U
1,2,3-Trichlorobenzene	87-61-6	NC	NC	3.2 U	2.2 U	4.3 U	240 U	210 U
1,2,4-Trichlorobenzene	120-82-1	NC	NC	3.2 U	2.2 U	4.3 U	240 U	210 U
1,2,4-Trimethylbenzene	95-63-6	47,000	52,000	0.96 J	0.28 J	4.3 U	240 U	210 U
1,2-Dibromo-3-chloropropane	96-12-8	NC	NC	3.2 U	2.2 U	4.3 U	240 U	210 U
1,2-Dibromoethane	106-93-4	NC	NC	3.2 U	2.2 U	4.3 U	240 U	210 U
1,2-Dichlorobenzene	95-50-1	100,000	100,000	3.2 U	2.2 U	4.3 U	240 U	210 U
1,2-Dichloroethane	107-06-2	2,300	3,100	3.2 U	2.2 U	4.3 U	240 U	210 U
1,2-Dichloropropane	78-87-5	NC	NC	3.2 U	2.2 U	4.3 U	240 U	210 U
1,3,5-Trimethylbenzene	108-67-8	47,000	52,000	3.2 U	0.71 J	4.3 U	240 U	210 U
1,3-Dichlorobenzene	541-73-1	17,000	49,000	3.2 U	2.2 U	4.3 U	240 U	210 U
1,4-Dichlorobenzene	106-46-7	9,800	13,000	3.2 U	2.2 U	4.3 U	240 U	210 U
1,4-Dioxane	123-91-1	9,800	13,000	64 R	44 R	85 R	4,800 R	4200 R
2-Butanone	78-93-3	100,000; 100,000[CP]	100,000	9.6	2.1 J	4.3 U	240 U	210 U
2-Hexanone	591-78-6	NC	NC	3.2 U	2.2 U	4.3 U	240 U	210 U
4-Isopropyltoluene	99-87-6	NC	NC	3.2 U	2.2 U	4.3 U	240 U	210 U
4-Methyl-2-Pentanone	108-10-1	NC	NC	3.2 U	2.2 U	4.3 U	240 U	210 U
Acetone	67-64-1	100,000	100,000	31	11	4.3 U	240 U	210 U
Benzene	71-43-2	2,900	4,800	0.19 J	2.2 J	4.3 U	240 U	210 U
Bromochloromethane	74-97-5	NC	NC	3.2 U	2.2 U	4.3 U	240 U	210 U
Bromodichloromethane	75-27-4	NC	NC	3.2 U	2.2 U	4.3 U	240 U	210 U
Bromoform	75-25-2	NC	NC	3.2 U	2.2 U	4.3 U	240 U	210 U
Bromomethane	74-83-9	NC	NC	3.2 U	2.2 UJ	4.3 UJ	240 U	210 U
Carbon disulfide	75-15-0	100,000[CP]	NC	0.96 J	2.2 UJ	4.3 UJ	240 U	210 U
Carbon Tetrachloride	56-23-5	1400	2,400	3.2 U	2.2 U	4.3 U	240 U	210 U
Chlorobenzene	108-90-7	100,000	100,000	3.2 U	2.2 U	4.3 U	240 U	210 U
Chloroethane	75-00-3	NC	NC	3.2 U	20	4.3 U	240 U	210 U
Chloroform	67-66-3	10,000	49,000	3.2 U	2.2 U	4.3 U	240 U	210 U
Chloromethane	74-87-3	NC	NC	3.2 U	2.2 U	4.3 U	240 U	210 U
cis-1,2-Dichloroethene	156-59-2	59,000	100,000	3.2 U	2.2 U	4.3 U	240 U	210 U
Cis-1,3-Dichloropropene	10061-01-5	NC	NC	3.2 U	2.2 U	4.3 U	240 U	210 U
Cyclohexane	110-82-7	NC	NC	3.2 U	6.5	4.3 U	240 U	210 U
Dibromochloromethane	124-48-1	NC	NC	3.2 U	2.2 U	4.3 U	240 U	210 U
Dichlorodifluoromethane	75-71-8	NC	NC	3.2 U	2.2 U	4.3 U	240 U	210 U
Ethylbenzene	100-41-4	30,000	41,000	0.25 J	2.2 U	4.3 U	240 U	210 U
Isopropylbenzene	98-82-8	100,000[CP]	NC	3.2 U	2.2 U	4.3 U	240 U	210 U
m,p-Xylene	XYLMP	NC	NC	0.99 J	4.4 U	8.5 U	480 U	420 U
Methyl Acetate	79-20-9	NC	NC	3.2 U	2.2 U	4.3 U	240 U	210 U
Methylcyclohexane	108-87-2	NC	NC	2.8 J	26	4.3 U	240 U	210 U
Methylene Chloride	75-09-2	51,000	100,000	3.2 U	2.2 U	4.3 U	240 U	210 U
Methyl tert-butyl ether (MTBE)	1634-04-4	62,000	100,000	3.2 U	2.2 U	4.3 U	240 U	210 U
n-Butylbenzene	104-51-8	100,000	100,000	3.2 U	2.2 U	4.3 U	240 U	210 U
n-Propylbenzene	103-65-1	100,000	100,000	3.2 U	2.2 U	4.3 U	240 U	210 U
o-Xylene	95-47-6	NC	NC	0.47 J	0.43 J	4.3 U	240 U	210 U
sec-Butylbenzene	135-98-8	100,000	100,000	3.2 U	2.2 U	4.3 U	240 U	210 U
Styrene	100-42-5	NC	NC	3.2 U	2.2 U	4.3 U	240 U	210 U
Tert-Butylbenzene	98-06-6	100,000	100,000	3.2 U	2.5	4.3 U	30 J	210 U
Tetrachloroethene	127-18-4	5,500	19,000	3.2 U	2.2 U	4.3 U	240 U	210 U
Toluene	108-88-3	100,000	100,000	3.2 U	2.2 U	4.3 U	240 U	210 U
trans-1,2-Dichloroethene	156-60-5	100,000	100,000	3.2 U	2.2 U	4.3 U	240 U	210 U
Trans-1,3-Dichloropropene	10061-02-6	NC	NC	3.2 U	2.2 U	4.3 U	240 U	210 U
Trichloroethene	79-01-6	10,000	21,000	3.2 U	2.2 U	4.3 U	240 U	210 U
Trichlorofluoromethane	75-69-4	NC	NC	3.2 U	2.2 U	4.3 U	240 U	210 U
Trichlorotrifluoroethane	26523-64-8	NC	NC	3.2 U	2.2 U	4.3 U	240 U	210 U
Vinyl Chloride	75-01-4	210	900	3.2 UJ	2.2 U	4.3 U	240 U	210 U
TOTAL VOC TICs	NA	NC	NC	21.3	289	0	15,300	14,340

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.

(green)	Exceeds Residential Use SCO listed in Part 375 or CP-51
(orange)	Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 8A - Subsurface Soil Results Compared to Restricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

			Sample Location	OVR-116	OVR-117	OVR-118	SB-100	SB-101
			Sample ID	OVR-116-10-11.9-040116	OVR-117-7-7.6-040716	OVR-118-0.5-1-041316	SB-100-9-10-031016	SB-101-12.5-14-031016
			Sample Date	4/1/2016	4/7/2016	4/13/2016	3/10/2016	3/10/2016
			Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
			Lab SDG	R1603031	R1603190	R1603557	R1602058	R1602058
			Start Depth	10	7	0.5	9	12.5
			End Depth	11.9	7.6	1	10	14
Chemical Name	**CAS #**	**NY Part 375 Residential SCO[1]**	**NY Part 375 Restricted Residential SCO[1]**					
VOCs								
1,1,1-Trichloroethane	71-55-6	100,000	100,000	1.5 U	14,000 U	4.1 U	4.9 U	3 U
1,1,2,2-Tetrachloroethane	79-34-5	35,000[CP]	NC	1.5 U	14,000 U	4.1 U	4.9 U	3 U
1,1,2-Trichloroethane	79-00-5	NC	NC	1.5 U	14,000 U	4.1 U	4.9 U	3 U
1,1-Dichloroethane	75-34-3	19,000	26,000	1.5 U	14,000 U	4.1 U	4.9 U	3 U
1,1-Dichloroethene	75-35-4	100,000	100,000	1.5 U	14,000 U	4.1 U	4.9 U	3 U
1,2,3-Trichlorobenzene	87-61-6	NC	NC	1.5 U	14,000 U	4.1 U	4.9 U	3 U
1,2,4-Trichlorobenzene	120-82-1	NC	NC	1.5 U	14,000 U	4.1 U	4.9 U	3 U
1,2,4-Trimethylbenzene	95-63-6	47,000	52,000	0.3 J	26,000	4.1 U	4.9 U	3 U
1,2-Dibromo-3-chloropropane	96-12-8	NC	NC	1.5 U	14,000 UJ	4.1 U	4.9 U	3 U
1,2-Dibromoethane	106-93-4	NC	NC	1.5 U	14,000 U	4.1 U	4.9 U	3 U
1,2-Dichlorobenzene	95-50-1	100,000	100,000	1.5 U	14,000 U	4.1 U	4.9 U	3 U
1,2-Dichloroethane	107-06-2	2,300	3,100	1.5 U	14,000 U	4.1 U	4.9 U	3 U
1,2-Dichloropropane	78-87-5	NC	NC	1.5 U	14,000 U	4.1 U	4.9 U	3 U
1,3,5-Trimethylbenzene	108-67-8	47,000	52,000	1.5 U	22,000	4.1 U	4.9 U	3 U
1,3-Dichlorobenzene	541-73-1	17,000	49,000	1.5 U	14,000 U	4.1 U	4.9 U	3 U
1,4-Dichlorobenzene	106-46-7	9,800	13,000	1.5 U	14,000 U	4.1 U	4.9 U	3 U
1,4-Dioxane	123-91-1	9,800	13,000	29 R	280,000 R	82 R	98 R	59 R
2-Butanone	78-93-3	100,000; 100,000[CP]	100,000	1.3 J	14,000 U	4.1 U	8.8	10
2-Hexanone	591-78-6	NC	NC	1.5 U	3,600 J	4.1 U	4.9 U	3 U
4-Isopropyltoluene	99-87-6	NC	NC	1.5 U	14,000 U	4.1 U	4.9 U	3 U
4-Methyl-2-Pentanone	108-10-1	NC	NC	1.5 U	14,000 U	4.1 U	4.9 U	3 U
Acetone	67-64-1	100,000	100,000	5	14,000 U	4.1 U	26	31
Benzene	71-43-2	2,900	4,800	0.39 J	4,400 J	4.1 U	4.9 U	3 U
Bromochloromethane	74-97-5	NC	NC	1.5 U	14,000 U	4.1 U	4.9 U	3 U
Bromodichloromethane	75-27-4	NC	NC	1.5 U	14,000 U	4.1 U	4.9 U	3 U
Bromoform	75-25-2	NC	NC	1.5 U	14000 UJ	4.1 U	4.9 U	3 U
Bromomethane	74-83-9	NC	NC	1.5 U	14,000 U	4.1 UJ	4.9 U	3 U
Carbon disulfide	75-15-0	100,000[CP]	NC	1.5 U	14,000 U	4.1 UJ	4.9 U	3 U
Carbon Tetrachloride	56-23-5	1400	2,400	1.5 U	14,000 U	4.1 U	4.9 U	3 U
Chlorobenzene	108-90-7	100,000	100,000	1.5 U	14,000 U	4.1 U	4.9 U	3 U
Chloroethane	75-00-3	NC	NC	1.5 U	14,000 U	4.1 U	4.9 U	3 U
Chloroform	67-66-3	10,000	49,000	1.5 U	14,000 U	4.1 U	4.9 U	3 U
Chloromethane	74-87-3	NC	NC	1.5 U	14,000 U	4.1 U	4.9 U	3 U
cis-1,2-Dichloroethene	156-59-2	59,000	100,000	1.5 U	14,000 U	4.1 U	4.9 U	3 U
Cis-1,3-Dichloropropene	10061-01-5	NC	NC	1.5 U	14,000 U	4.1 U	4.9 U	3 U
Cyclohexane	110-82-7	NC	NC	1.2 J	8,200 J	4.1 U	4.9 U	3 U
Dibromochloromethane	124-48-1	NC	NC	1.5 U	14,000 U	4.1 U	4.9 U	3 U
Dichlorodifluoromethane	75-71-8	NC	NC	1.5 U	14,000 U	4.1 U	4.9 U	3 U
Ethylbenzene	100-41-4	30,000	41,000	0.086 J	12,000 J	4.1 U	4.9 U	3 U
Isopropylbenzene	98-82-8	100,000[CP]	NC	1.5 U	14,000 U	4.1 U	4.9 U	3 U
m,p-Xylene	XYLMP	NC	NC	0.55 J	67,000	8.2 U	9.8 U	5.9 U
Methyl Acetate	79-20-9	NC	NC	1.5 U	14,000 U	4.1 U	4.9 U	3 U
Methylcyclohexane	108-87-2	NC	NC	1.1 J	16,000	4.1 U	4.9 U	2.3 J
Methylene Chloride	75-09-2	51,000	100,000	1.5 U	14,000 U	4.1 U	4.9 U	3 U
Methyl tert-butyl ether (MTBE)	1634-04-4	62,000	100,000	1.5 U	14,000 U	4.1 U	4.9 U	3 U
n-Butylbenzene	104-51-8	100,000	100,000	1.5 U	14,000 U	4.1 U	4.9 U	3 U
n-Propylbenzene	103-65-1	100,000	100,000	1.5 U	4,300 J	4.1 U	4.9 U	3 U
o-Xylene	95-47-6	NC	NC	0.19 J	20,000	4.1 U	4.9 U	3 U
sec-Butylbenzene	135-98-8	100,000	100,000	1.5 U	14,000 U	4.1 U	4.9 U	3 U
Styrene	100-42-5	NC	NC	1.5 U	4,000 J	4.1 U	4.9 U	3 U
Tert-Butylbenzene	98-06-6	100,000	100,000	1.5 U	14,000 U	4.1 U	4.9 U	3 U
Tetrachloroethene	127-18-4	5,500	19,000	1.5 U	14,000 U	4.1 U	4.9 U	3 U
Toluene	108-88-3	100,000	100,000	0.74 J	35,000	4.1 U	4.9 U	3 U
trans-1,2-Dichloroethene	156-60-5	100,000	100,000	1.5 U	14,000 U	4.1 U	4.9 U	3 U
Trans-1,3-Dichloropropene	10061-02-6	NC	NC	1.5 U	14,000 UJ	4.1 U	4.9 U	3 U
Trichloroethene	79-01-6	10,000	21,000	1.5 U	14,000 U	4.1 U	4.9 U	3 U
Trichlorofluoromethane	75-69-4	NC	NC	1.5 U	14,000 UJ	4.1 U	4.9 U	3 U
Trichlorotrifluoroethane	26523-64-8	NC	NC	1.5 U	14,000 U	4.1 U	4.9 U	3 U
Vinyl Chloride	75-01-4	210	900	1.5 U	14,000 U	4.1 U	4.9 U	3 U
TOTAL VOC TICs	NA	NC	NC	15.1	1,439,000	0	0	48.9

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.

(green)	Exceeds Residential Use SCO listed in Part 375 or CP-51
(orange)	Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 8A - Subsurface Soil Results Compared to Restricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

			Sample Location	SB-102	SB-102	SB-103	SB-104	SB-105
			Sample ID	SB-102-4.0-6.0-082217	SB-102-4.0-6.0-090717	SB-103-4.8-5.8-030416	SB-104-12-13-030316	SB-105-11-12-031016
			Sample Date	8/22/2017	9/7/2017	3/4/2016	3/3/2016	3/10/2016
			Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
			Lab SDG	R1707777	R1708422	R1601955	R1601955	R1602058
			Start Depth	4	4	4.8	12	11
			End Depth	6	6	5.8	13	12
Chemical Name	**CAS #**	**NY Part 375 Residential SCO[1]**	**NY Part 375 Restricted Residential SCO[1]**					
VOCs								
1,1,1-Trichloroethane	71-55-6	100,000	100,000	5.6 U	3.6 U	6.6 UJ	3 U	4.7 U
1,1,2,2-Tetrachloroethane	79-34-5	35,000[CP]	NC	5.6 U	3.6 U	6.6 UJ	3 U	4.7 U
1,1,2-Trichloroethane	79-00-5	NC	NC	5.6 U	3.6 U	6.6 UJ	3 U	4.7 U
1,1-Dichloroethane	75-34-3	19,000	26,000	5.6 U	3.6 U	6.6 UJ	3 U	4.7 U
1,1-Dichloroethene	75-35-4	100,000	100,000	5.6 U	3.6 U	6.6 UJ	3 U	4.7 U
1,2,3-Trichlorobenzene	87-61-6	NC	NC	5.6 U	3.6 U	6.6 UJ	3 U	4.7 U
1,2,4-Trichlorobenzene	120-82-1	NC	NC	5.6 U	3.6 U	6.6 UJ	3 U	4.7 U
1,2,4-Trimethylbenzene	95-63-6	47,000	52,000	5.6 U	3.6 U	6.6 UJ	3 U	4.7 U
1,2-Dibromo-3-chloropropane	96-12-8	NC	NC	5.6 U	3.6 UJ	6.6 UJ	3 U	4.7 U
1,2-Dibromoethane	106-93-4	NC	NC	5.6 U	3.6 U	6.6 UJ	3 U	4.7 U
1,2-Dichlorobenzene	95-50-1	100,000	100,000	5.6 U	3.6 U	6.6 UJ	3 U	4.7 U
1,2-Dichloroethane	107-06-2	2,300	3,100	5.6 U	3.6 U	6.6 UJ	3 U	4.7 U
1,2-Dichloropropane	78-87-5	NC	NC	5.6 U	3.6 U	6.6 UJ	3 U	4.7 U
1,3,5-Trimethylbenzene	108-67-8	47,000	52,000	5.6 U	3.6 U	6.6 UJ	3 U	4.7 U
1,3-Dichlorobenzene	541-73-1	17,000	49,000	5.6 U	3.6 U	6.6 UJ	3 U	4.7 U
1,4-Dichlorobenzene	106-46-7	9,800	13,000	5.6 U	3.6 U	6.6 UJ	3 U	4.7 U
1,4-Dioxane	123-91-1	9,800	13,000	110 U	73 R	130 R	60 R	93 R
2-Butanone	78-93-3	100,000; 100,000[CP]	100,000	5.6 U	3.6 U	4.2 J	1.7 J	19
2-Hexanone	591-78-6	NC	NC	5.6 U	3.6 U	6.6 UJ	3 U	4.7 U
4-Isopropyltoluene	99-87-6	NC	NC	5.6 U	3.6 U	6.6 UJ	3 U	4.7 U
4-Methyl-2-Pentanone	108-10-1	NC	NC	5.6 U	3.6 U	6.6 UJ	3 U	4.7 U
Acetone	67-64-1	100,000	100,000	5.6 U	3.6 U	14 J	11	62
Benzene	71-43-2	2,900	4,800	5.6 U	3.6 U	0.66 J	3 U	4.7 U
Bromochloromethane	74-97-5	NC	NC	5.6 U	3.6 U	6.6 UJ	3 U	4.7 U
Bromodichloromethane	75-27-4	NC	NC	5.6 U	3.6 U	6.6 UJ	3 U	4.7 U
Bromoform	75-25-2	NC	NC	5.6 U	3.6 U	6.6 UJ	3 U	4.7 U
Bromomethane	74-83-9	NC	NC	5.6 U	3.6 UJ	6.6 UJ	3 U	4.7 U
Carbon disulfide	75-15-0	100,000[CP]	NC	5.6 U	3.6 U	6.6 UJ	3 U	4.7 U
Carbon Tetrachloride	56-23-5	1400	2,400	5.6 U	3.6 U	6.6 UJ	3 U	4.7 U
Chlorobenzene	108-90-7	100,000	100,000	5.6 U	3.6 U	6.6 UJ	3 U	4.7 U
Chloroethane	75-00-3	NC	NC	5.6 U	3.6 UJ	6.6 UJ	3 U	4.7 U
Chloroform	67-66-3	10,000	49,000	5.6 U	3.6 U	6.6 UJ	3 U	4.7 U
Chloromethane	74-87-3	NC	NC	5.6 U	3.6 U	6.6 UJ	3 U	4.7 U
cis-1,2-Dichloroethene	156-59-2	59,000	100,000	5.6 U	3.6 U	6.6 UJ	3 U	4.7 U
Cis-1,3-Dichloropropene	10061-01-5	NC	NC	5.6 U	3.6 U	6.6 UJ	3 U	4.7 U
Cyclohexane	110-82-7	NC	NC	5.6 U	3.6 U	6.6 UJ	3 U	4.7 U
Dibromochloromethane	124-48-1	NC	NC	5.6 U	3.6 U	6.6 UJ	3 U	4.7 U
Dichlorodifluoromethane	75-71-8	NC	NC	5.6 U	3.6 U	6.6 UJ	3 U	4.7 U
Ethylbenzene	100-41-4	30,000	41,000	5.6 U	3.6 U	6.6 UJ	3 U	4.7 U
Isopropylbenzene	98-82-8	100,000[CP]	NC	5.6 U	3.6 U	6.6 UJ	3 U	4.7 UJ
m,p-Xylene	XYLMP	NC	NC	11 U	7.3 U	13 UJ	6 U	9.3 U
Methyl Acetate	79-20-9	NC	NC	5.6 U	3.6 U	6.6 UJ	3 U	4.7 U
Methylcyclohexane	108-87-2	NC	NC	5.6 U	3.6 U	6.6 UJ	3 U	2.3 J
Methylene Chloride	75-09-2	51,000	100,000	0.76 J	3.6 U	6.6 UJ	3 U	4.7 U
Methyl tert-butyl ether (MTBE)	1634-04-4	62,000	100,000	5.6 U	3.6 U	6.6 UJ	3 U	4.7 U
n-Butylbenzene	104-51-8	100,000	100,000	5.6 U	3.6 U	6.6 UJ	3 U	4.7 UJ
n-Propylbenzene	103-65-1	100,000	100,000	5.6 U	3.6 U	6.6 UJ	3 U	4.7 UJ
o-Xylene	95-47-6	NC	NC	5.6 U	3.6 U	6.6 UJ	3 U	4.7 U
sec-Butylbenzene	135-98-8	100,000	100,000	5.6 U	3.6 U	6.6 UJ	3 U	4.7 UJ
Styrene	100-42-5	NC	NC	5.6 U	3.6 U	6.6 UJ	3 U	4.7 U
Tert-Butylbenzene	98-06-6	100,000	100,000	5.6 U	3.6 U	6.6 UJ	3 U	4.7 UJ
Tetrachloroethene	127-18-4	5,500	19,000	5.6 U	3.6 U	6.6 UJ	3 U	4.7 UJ
Toluene	108-88-3	100,000	100,000	5.6 U	3.6 U	6.6 UJ	3 U	4.7 U
trans-1,2-Dichloroethene	156-60-5	100,000	100,000	5.6 U	3.6 U	6.6 UJ	3 U	4.7 U
Trans-1,3-Dichloropropene	10061-02-6	NC	NC	5.6 U	3.6 U	6.6 UJ	3 U	4.7 U
Trichloroethene	79-01-6	10,000	21,000	5.6 U	3.6 U	6.6 UJ	3 U	4.7 U
Trichlorofluoromethane	75-69-4	NC	NC	5.6 U	3.6 U	6.6 UJ	3 U	4.7 U
Trichlorotrifluoroethane	26523-64-8	NC	NC	5.6 U	3.6 U	6.6 UJ	3 U	4.7 U
Vinyl Chloride	75-01-4	210	900	5.6 U	3.6 U	6.6 UJ	3 U	4.7 U
TOTAL VOC TICs	NA	NC	NC	NT	NT	18.4	25	161.4

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.

	Exceeds Residential Use SCO listed in Part 375 or CP-51
	Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 8A - Subsurface Soil Results Compared to Restricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

			Sample Location	SB-106	SB-107	SB-108	SB-109	SB-110	SB-112
			Sample ID	SB-106-5-6-030316	SB-107-6-7-030316	SB-108-5.8-6.4-030316	SB-109-8-9-030216	SB-110-1.5-2.5-031016	SB-112-0.5-2.0-082217
			Sample Date	3/3/2016	3/3/2016	3/3/2016	3/2/2016	3/10/2016	8/22/2017
			Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
			Lab SDG	R1601955	R1601955	R1601955	R1601741	R1602058	R1707777
			Start Depth	5	6	5.8	8	1.5	0.5
			End Depth	6	7	6.4	9	2.5	2
Chemical Name	**CAS #**	**NY Part 375 Residential SCO[1]**	**NY Part 375 Restricted Residential SCO[1]**						
VOCs									
1,1,1-Trichloroethane	71-55-6	100,000	100,000	5.5 U	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
1,1,2,2-Tetrachloroethane	79-34-5	35,000[CP]	NC	5.5 UJ	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
1,1,2-Trichloroethane	79-00-5	NC	NC	5.5 U	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
1,1-Dichloroethane	75-34-3	19,000	26,000	5.5 U	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
1,1-Dichloroethene	75-35-4	100,000	100,000	5.5 U	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
1,2,3-Trichlorobenzene	87-61-6	NC	NC	5.5 UJ	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
1,2,4-Trichlorobenzene	120-82-1	NC	NC	5.5 UJ	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
1,2,4-Trimethylbenzene	95-63-6	47,000	52,000	5.5 UJ	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
1,2-Dibromo-3-chloropropane	96-12-8	NC	NC	5.5 UJ	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
1,2-Dibromoethane	106-93-4	NC	NC	5.5 U	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
1,2-Dichlorobenzene	95-50-1	100,000	100,000	5.5 UJ	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
1,2-Dichloroethane	107-06-2	2,300	3,100	5.5 U	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
1,2-Dichloropropane	78-87-5	NC	NC	5.5 U	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
1,3,5-Trimethylbenzene	108-67-8	47,000	52,000	5.5 UJ	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
1,3-Dichlorobenzene	541-73-1	17,000	49,000	5.5 UJ	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
1,4-Dichlorobenzene	106-46-7	9,800	13,000	5.5 UJ	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
1,4-Dioxane	123-91-1	9,800	13,000	110 R	69 R	69 R	44 R	42 R	130 U
2-Butanone	78-93-3	100,000; 100,000[CP]	100,000	49	3.5 U	17	1.2 J	2.1 U	6.5 U
2-Hexanone	591-78-6	NC	NC	3.1 J	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
4-Isopropyltoluene	99-87-6	NC	NC	5.5 UJ	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
4-Methyl-2-Pentanone	108-10-1	NC	NC	5.5 U	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
Acetone	67-64-1	100,000	100,000	160	2.2 J	49	7.7	2.1 U	6.5 U
Benzene	71-43-2	2,900	4,800	5.5 U	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
Bromochloromethane	74-97-5	NC	NC	5.5 U	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
Bromodichloromethane	75-27-4	NC	NC	5.5 U	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
Bromoform	75-25-2	NC	NC	5.5 U	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
Bromomethane	74-83-9	NC	NC	5.5 UJ	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
Carbon disulfide	75-15-0	100,000[CP]	NC	3 J	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
Carbon Tetrachloride	56-23-5	1400	2,400	5.5 U	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
Chlorobenzene	108-90-7	100,000	100,000	5.5 U	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
Chloroethane	75-00-3	NC	NC	5.5 U	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
Chloroform	67-66-3	10,000	49,000	5.5 U	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
Chloromethane	74-87-3	NC	NC	5.5 U	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
cis-1,2-Dichloroethene	156-59-2	59,000	100,000	5.5 U	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
Cis-1,3-Dichloropropene	10061-01-5	NC	NC	5.5 U	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
Cyclohexane	110-82-7	NC	NC	5.5 U	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
Dibromochloromethane	124-48-1	NC	NC	5.5 U	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
Dichlorodifluoromethane	75-71-8	NC	NC	5.5 U	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
Ethylbenzene	100-41-4	30,000	41,000	0.32 J	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
Isopropylbenzene	98-82-8	100,000[CP]	NC	5.5 U	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
m,p-Xylene	XYLMP	NC	NC	1.8 J	6.9 U	6.9 U	4.4 U	4.2 U	13 U
Methyl Acetate	79-20-9	NC	NC	5.5 U	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
Methylcyclohexane	108-87-2	NC	NC	1.4 J	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
Methylene Chloride	75-09-2	51,000	100,000	5.5 U	3.5 U	3.4 U	2.2 U	2.1 U	0.87 J
Methyl tert-butyl ether (MTBE)	1634-04-4	62,000	100,000	5.5 U	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
n-Butylbenzene	104-51-8	100,000	100,000	5.5 UJ	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
n-Propylbenzene	103-65-1	100,000	100,000	5.5 UJ	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
o-Xylene	95-47-6	NC	NC	5.5 U	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
sec-Butylbenzene	135-98-8	100,000	100,000	5.5 UJ	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
Styrene	100-42-5	NC	NC	5.5 U	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
Tert-Butylbenzene	98-06-6	100,000	100,000	12 J	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
Tetrachloroethene	127-18-4	5,500	19,000	5.5 U	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
Toluene	108-88-3	100,000	100,000	5.5 U	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
trans-1,2-Dichloroethene	156-60-5	100,000	100,000	5.5 U	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
Trans-1,3-Dichloropropene	10061-02-6	NC	NC	5.5 U	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
Trichloroethene	79-01-6	10,000	21,000	5.5 U	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
Trichlorofluoromethane	75-69-4	NC	NC	5.5 U	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
Trichlorotrifluoroethane	26523-64-8	NC	NC	5.5 U	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
Vinyl Chloride	75-01-4	210	900	5.5 U	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
TOTAL VOC TICs	NA	NC	NC	909	46	36	0	0	NT

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.
Exceeds Residential Use SCO listed in Part 375 or CP-51
Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 8A - Subsurface Soil Results Compared to Restricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

			Sample Location	SB-112	SB-113	SB-113[BB]	SB-113	SB-114	SB-115
			Sample ID	SB-112-0.5-2.0-090717	DUP-002-031416	SB-113-1-2-031416	SB-113-4.5-6.5-031416	SB-114-2-2.5-030216	SB-115-5.6-6.7-030216
			Sample Date	9/7/2017	3/14/2016	3/14/2016	3/14/2016	3/2/2016	3/2/2016
			Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
			Lab SDG	R1708422	R1602239	R1602239	R1602239	R1601741	R1601741
			Start Depth	0.5	4.5	1	4.5	2	5.6
			End Depth	2	6.5	2	6.5	2.5	6.7
Chemical Name	CAS #	NY Part 375 Residential SCO[1]	NY Part 375 Restricted Residential SCO[1]						
VOCs									
1,1,1-Trichloroethane	71-55-6	100,000	100,000	4.4 U	3.6 U	3.5 U	10 U	4.2 U	3.7 U
1,1,2,2-Tetrachloroethane	79-34-5	35,000[CP]	NC	4.4 U	3.6 U	3.5 U	10 U	4.2 U	3.7 U
1,1,2-Trichloroethane	79-00-5	NC	NC	4.4 U	3.6 U	3.5 U	10 U	4.2 U	3.7 U
1,1-Dichloroethane	75-34-3	19,000	26,000	4.4 U	3.6 U	3.5 U	10 U	4.2 U	3.7 U
1,1-Dichloroethene	75-35-4	100,000	100,000	4.4 U	3.6 U	3.5 U	10 U	4.2 U	3.7 U
1,2,3-Trichlorobenzene	87-61-6	NC	NC	4.4 U	3.6 U	3.5 U	10 U	4.2 U	3.7 U
1,2,4-Trichlorobenzene	120-82-1	NC	NC	4.4 U	3.6 U	3.5 U	10 U	4.2 U	3.7 U
1,2,4-Trimethylbenzene	95-63-6	47,000	52,000	4.4 U	3.6 U	3.5 U	10 U	4.2 U	7.8
1,2-Dibromo-3-chloropropane	96-12-8	NC	NC	4.4 UJ	3.6 U	3.5 U	10 U	4.2 U	3.7 U
1,2-Dibromoethane	106-93-4	NC	NC	4.4 U	3.6 U	3.5 U	10 U	4.2 U	3.7 U
1,2-Dichlorobenzene	95-50-1	100,000	100,000	4.4 U	3.6 U	3.5 U	10 U	4.2 U	3.7 U
1,2-Dichloroethane	107-06-2	2,300	3,100	4.4 U	3.6 U	3.5 U	10 U	4.2 U	3.7 U
1,2-Dichloropropane	78-87-5	NC	NC	4.4 U	3.6 U	3.5 U	10 U	4.2 U	3.7 U
1,3,5-Trimethylbenzene	108-67-8	47,000	52,000	4.4 U	3.6 U	3.5 U	10 U	4.2 U	6.6
1,3-Dichlorobenzene	541-73-1	17,000	49,000	4.4 U	3.6 U	3.5 U	10 U	4.2 U	3.7 U
1,4-Dichlorobenzene	106-46-7	9,800	13,000	4.4 U	3.6 U	3.5 U	10 U	4.2 U	3.7 U
1,4-Dioxane	123-91-1	9,800	13,000	88 R	72 U	70 R	200 R	83 R	74 R
2-Butanone	78-93-3	100,000; 100,000[CP]	100,000	4.4 U	4	4.8	10 U	4.2 U	30
2-Hexanone	591-78-6	NC	NC	4.4 U	3.6 U	3.5 U	10 U	4.2 U	3.7 U
4-Isopropyltoluene	99-87-6	NC	NC	4.4 U	3.6 U	3.5 U	10 U	4.2 U	0.89 J
4-Methyl-2-Pentanone	108-10-1	NC	NC	4.4 U	3.6 U	3.5 U	10 U	4.2 U	3.7 U
Acetone	67-64-1	100,000	100,000	4.4 U	22 J	23	10 UJ	4.2 U	100
Benzene	71-43-2	2,900	4,800	4.4 U	3.6 U	3.5 U	10 U	4.2 U	0.37 J
Bromochloromethane	74-97-5	NC	NC	4.4 U	3.6 U	3.5 U	10 U	4.2 U	3.7 U
Bromodichloromethane	75-27-4	NC	NC	4.4 U	3.6 U	3.5 U	10 U	4.2 U	3.7 U
Bromoform	75-25-2	NC	NC	4.4 U	3.6 U	3.5 U	10 U	4.2 U	3.7 U
Bromomethane	74-83-9	NC	NC	4.4 UJ	3.6 U	3.5 U	10 U	4.2 U	3.7 UJ
Carbon disulfide	75-15-0	100,000[CP]	NC	4.4 U	3.6 U	3.5 U	10 U	4.2 U	1.9 J
Carbon Tetrachloride	56-23-5	1400	2,400	4.4 U	3.6 U	3.5 U	10 U	4.2 U	3.7 U
Chlorobenzene	108-90-7	100,000	100,000	4.4 U	3.6 U	3.5 U	10 U	4.2 U	3.7 U
Chloroethane	75-00-3	NC	NC	4.4 UJ	3.6 U	3.5 U	10 U	4.2 U	3.7 U
Chloroform	67-66-3	10,000	49,000	4.4 U	3.6 U	3.5 U	10 U	4.2 U	3.7 U
Chloromethane	74-87-3	NC	NC	4.4 U	3.6 U	3.5 U	10 U	4.2 U	3.7 U
cis-1,2-Dichloroethene	156-59-2	59,000	100,000	4.4 U	3.6 U	3.5 U	10 U	4.2 U	3.7 U
Cis-1,3-Dichloropropene	10061-01-5	NC	NC	4.4 U	3.6 U	3.5 U	10 U	4.2 U	3.7 U
Cyclohexane	110-82-7	NC	NC	4.4 U	3.6 U	3.5 U	10 U	4.2 U	18
Dibromochloromethane	124-48-1	NC	NC	4.4 U	3.6 U	3.5 U	10 U	4.2 U	3.7 U
Dichlorodifluoromethane	75-71-8	NC	NC	4.4 U	3.6 U	3.5 U	10 U	4.2 U	3.7 U
Ethylbenzene	100-41-4	30,000	41,000	4.4 U	3.6 U	3.5 U	10 U	4.2 U	15
Isopropylbenzene	98-82-8	100,000[CP]	NC	4.4 U	3.6 U	3.5 U	10 U	4.2 U	5.2
m,p-Xylene	XYLMP	NC	NC	8.8 U	7.2 U	7 U	20 U	8.3 U	6 J
Methyl Acetate	79-20-9	NC	NC	4.4 U	3.6 U	3.5 U	10 U	4.2 U	3.7 U
Methylcyclohexane	108-87-2	NC	NC	4.4 U	3.6 U	3.5 U	10 U	4.2 U	200 J
Methylene Chloride	75-09-2	51,000	100,000	4.4 U	3.6 U	3.5 U	10 U	4.2 U	3.7 U
Methyl tert-butyl ether (MTBE)	1634-04-4	62,000	100,000	4.4 U	3.6 U	3.5 U	10 U	4.2 U	3.7 U
n-Butylbenzene	104-51-8	100,000	100,000	4.4 U	3.6 U	3.5 U	10 U	4.2 U	1.3 J
n-Propylbenzene	103-65-1	100,000	100,000	4.4 U	3.6 U	3.5 U	10 U	4.2 U	3.7 U
o-Xylene	95-47-6	NC	NC	4.4 U	3.6 U	3.5 U	10 U	4.2 U	3.6 J
sec-Butylbenzene	135-98-8	100,000	100,000	4.4 U	3.6 U	3.5 U	10 U	4.2 U	3.7 U
Styrene	100-42-5	NC	NC	4.4 U	3.6 U	3.5 U	10 U	4.2 U	0.82 J
Tert-Butylbenzene	98-06-6	100,000	100,000	4.4 U	3.6 U	3.5 U	10 U	4.2 U	3.7 U
Tetrachloroethene	127-18-4	5,500	19,000	4.4 U	3.6 U	3.5 U	10 U	4.2 U	3.7 U
Toluene	108-88-3	100,000	100,000	4.4 U	3.6 U	3.5 U	10 U	4.2 U	1.4 J
trans-1,2-Dichloroethene	156-60-5	100,000	100,000	4.4 U	3.6 U	3.5 U	10 U	4.2 U	3.7 U
Trans-1,3-Dichloropropene	10061-02-6	NC	NC	4.4 U	3.6 U	3.5 U	10 U	4.2 U	3.7 U
Trichloroethene	79-01-6	10,000	21,000	4.4 U	3.6 U	3.5 U	10 U	4.2 U	3.7 U
Trichlorofluoromethane	75-69-4	NC	NC	4.4 U	3.6 U	3.5 U	10 U	4.2 U	3.7 U
Trichlorotrifluoroethane	26523-64-8	NC	NC	4.4 U	3.6 U	3.5 U	10 U	4.2 U	3.7 U
Vinyl Chloride	75-01-4	210	900	4.4 U	3.6 U	3.5 U	10 U	4.2 U	3.7 U
TOTAL VOC TICs	NA	NC	NC	NT	0	0	0	0	1873

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.

	Exceeds Residential Use SCO listed in Part 375 or CP-51
	Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 8A - Subsurface Soil Results Compared to Restricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

			Sample Location	SB-116	SB-117	SB-117	SB-118	SB-119	SB-120
			Sample ID	SB-116-5.7-6.5-030216	DUP-003-030216	SB-117-5.9-7-030216	SB-118-7-7.4-030216	SB-119-4.5-6-031116	SB-120-6.5-7.4-031416
			Sample Date	3/2/2016	3/2/2016	3/2/2016	3/2/2016	3/11/2016	3/14/2016
			Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
			Lab SDG	R1601741	R1601741	R1601741	R1601741	R1602239	R1602239
			Start Depth	5.7	5.9	5.9	7	4.5	6.5
			End Depth	6.5	7	7	7.4	6	7.4
Chemical Name	CAS #	NY Part 375 Residential SCO[1]	NY Part 375 Restricted Residential SCO[1]						
VOCs									
1,1,1-Trichloroethane	71-55-6	100,000	100,000	270 U	3.8 U	3.8 U	3.3 U	1.7 U	4 U
1,1,2,2-Tetrachloroethane	79-34-5	35,000[CP]	NC	270 U	3.8 U	3.8 U	3.3 U	1.7 U	4 U
1,1,2-Trichloroethane	79-00-5	NC	NC	270 U	3.8 U	3.8 U	3.3 U	1.7 U	4 U
1,1-Dichloroethane	75-34-3	19,000	26,000	270 U	3.8 U	3.8 U	3.3 U	1.7 U	4 U
1,1-Dichloroethene	75-35-4	100,000	100,000	270 U	3.8 U	3.8 U	3.3 U	1.7 U	4 U
1,2,3-Trichlorobenzene	87-61-6	NC	NC	270 U	3.8 U	3.8 U	3.3 U	1.7 U	4 U
1,2,4-Trichlorobenzene	120-82-1	NC	NC	270 U	3.8 U	3.8 U	3.3 U	1.7 U	4 U
1,2,4-Trimethylbenzene	95-63-6	47,000	52,000	270 U	3.8 U	0.87 J	3.3 U	1.7 U	4 U
1,2-Dibromo-3-chloropropane	96-12-8	NC	NC	270 U	3.8 U	3.8 U	3.3 U	1.7 U	4 U
1,2-Dibromoethane	106-93-4	NC	NC	270 U	3.8 U	3.8 U	3.3 U	1.7 U	4 U
1,2-Dichlorobenzene	95-50-1	100,000	100,000	270 U	3.8 U	3.8 U	3.3 U	1.7 U	4 U
1,2-Dichloroethane	107-06-2	2,300	3,100	270 U	3.8 U	3.8 U	3.3 U	1.7 U	4 U
1,2-Dichloropropane	78-87-5	NC	NC	270 U	3.8 U	3.8 U	3.3 U	1.7 U	4 U
1,3,5-Trimethylbenzene	108-67-8	47,000	52,000	270 U	3.8 U	3.8 U	3.3 U	1.7 U	4 U
1,3-Dichlorobenzene	541-73-1	17,000	49,000	270 U	3.8 U	3.8 U	3.3 U	1.7 U	4 U
1,4-Dichlorobenzene	106-46-7	9,800	13,000	270 U	3.8 U	3.8 U	3.3 U	1.7 U	4 U
1,4-Dioxane	123-91-1	9,800	13,000	5400 R	75 R	77 R	67 R	33 R	80 R
2-Butanone	78-93-3	100,000; 100,000[CP]	100,000	270 U	14	9	3.7	1.7 U	6.7
2-Hexanone	591-78-6	NC	NC	67 J	3.8 U	3.8 U	3.3 U	1.7 U	4 U
4-Isopropyltoluene	99-87-6	NC	NC	270 U	3.8 U	3.8 U	3.3 U	1.7 U	4 U
4-Methyl-2-Pentanone	108-10-1	NC	NC	270 U	3.8 U	3.8 U	3.3 U	1.7 U	4 U
Acetone	67-64-1	100,000	100,000	270 U	52	38	30	1.7 U	20
Benzene	71-43-2	2,900	4,800	270 U	0.47 J	0.95 J	3.3 U	1.7 U	0.3 J
Bromochloromethane	74-97-5	NC	NC	270 U	3.8 U	3.8 U	3.3 U	1.7 U	4 U
Bromodichloromethane	75-27-4	NC	NC	270 U	3.8 U	3.8 U	3.3 U	1.7 U	4 U
Bromoform	75-25-2	NC	NC	270 U	3.8 U	3.8 U	3.3 U	1.7 U	4 U
Bromomethane	74-83-9	NC	NC	270 U	3.8 U	3.8 U	3.3 U	1.7 U	4 U
Carbon disulfide	75-15-0	100,000[CP]	NC	270 U	5.1	8.1	3.3 U	1.7 U	4 U
Carbon Tetrachloride	56-23-5	1400	2,400	270 U	3.8 U	3.8 U	3.3 U	1.7 U	4 U
Chlorobenzene	108-90-7	100,000	100,000	270 U	3.8 U	3.8 U	3.3 U	1.7 U	4 U
Chloroethane	75-00-3	NC	NC	270 U	3.8 U	3.8 U	3.3 U	1.7 U	4 U
Chloroform	67-66-3	10,000	49,000	270 U	3.8 U	3.8 U	3.3 U	1.7 U	4 U
Chloromethane	74-87-3	NC	NC	270 U	3.8 U	3.8 U	0.44 J	1.7 U	4 U
cis-1,2-Dichloroethene	156-59-2	59,000	100,000	270 U	3.8 U	3.8 U	3.3 U	1.7 U	4 U
Cis-1,3-Dichloropropene	10061-01-5	NC	NC	270 U	3.8 U	3.8 U	3.3 U	1.7 U	4 U
Cyclohexane	110-82-7	NC	NC	270 U	1.7 J	4.1	3.3 U	1.7 U	4 U
Dibromochloromethane	124-48-1	NC	NC	270 U	3.8 U	3.8 U	3.3 U	1.7 U	4 U
Dichlorodifluoromethane	75-71-8	NC	NC	270 U	3.8 U	3.8 U	3.3 U	1.7 U	4 U
Ethylbenzene	100-41-4	30,000	41,000	270 U	3.8 U	0.21 J	3.3 U	1.7 U	4 U
Isopropylbenzene	98-82-8	100,000[CP]	NC	270 U	3.8 U	3.8 U	3.3 U	1.7 U	4 U
m,p-Xylene	XYLMP	NC	NC	540 U	7.5 U	1.6 J	6.7 U	3.3 U	8 U
Methyl Acetate	79-20-9	NC	NC	270 U	14	8.5	9.8	1.7 U	4 U
Methylcyclohexane	108-87-2	NC	NC	270 U	1.4 J	4	3.3 U	1.7 U	4 U
Methylene Chloride	75-09-2	51,000	100,000	270 U	3.8 U	3.8 U	3.3 U	1.7 U	4 U
Methyl tert-butyl ether (MTBE)	1634-04-4	62,000	100,000	270 U	3.8 U	3.8 U	3.3 U	1.7 U	4 U
n-Butylbenzene	104-51-8	100,000	100,000	270 U	3.8 U	3.8 U	3.3 U	1.7 U	4 U
n-Propylbenzene	103-65-1	100,000	100,000	270 U	3.8 U	3.8 U	3.3 U	1.7 U	4 U
o-Xylene	95-47-6	NC	NC	270 U	3.8 U	0.44 J	3.3 U	1.7 U	4 U
sec-Butylbenzene	135-98-8	100,000	100,000	270 U	3.8 U	3.8 U	3.3 U	1.7 U	4 U
Styrene	100-42-5	NC	NC	270 U	3.8 U	3.8 U	3.3 U	1.7 U	4 U
Tert-Butylbenzene	98-06-6	100,000	100,000	270 U	3.8 U	3.8 U	3.3 U	1.7 U	4 U
Tetrachloroethene	127-18-4	5,500	19,000	270 U	3.8 U	3.8 U	3.3 U	1.7 U	4 U
Toluene	108-88-3	100,000	100,000	270 U	1.2 J	1.9 J	3.3 U	1.7 U	4 U
trans-1,2-Dichloroethene	156-60-5	100,000	100,000	270 U	3.8 U	3.8 U	3.3 U	1.7 U	4 U
Trans-1,3-Dichloropropene	10061-02-6	NC	NC	270 U	3.8 U	3.8 U	3.3 U	1.7 U	4 U
Trichloroethene	79-01-6	10,000	21,000	270 U	3.8 U	3.8 U	3.3 U	1.7 U	4 U
Trichlorofluoromethane	75-69-4	NC	NC	270 U	3.8 U	3.8 U	3.3 U	1.7 U	4 U
Trichlorotrifluoroethane	26523-64-8	NC	NC	270 U	3.8 U	3.8 U	3.3 U	1.7 U	4 U
Vinyl Chloride	75-01-4	210	900	270 U	3.8 U	3.8 U	3.3 U	1.7 U	4 U
TOTAL VOC TICs	NA	NC	NC	5,480	229.5	214.7	3.6	0	104.7

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.

Exceeds Residential Use SCO listed in Part 375 or CP-51
Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 8A - Subsurface Soil Results Compared to Restricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

			Sample Location	SB-121	SB-122	SB-124	SB-125	SB-127	SB-129
			Sample ID	SB-121-2-2.5-031416	SB-122-7-8-022916	SB-124-8-9-031116	SB-125-5-7-031416	SB-127-10-11-031116	SB-129-4.6-6.6-031516
			Sample Date	3/14/2016	2/29/2016	3/11/2016	3/14/2016	3/11/2016	3/15/2016
			Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
			Lab SDG	R1602239	R1601741	R1602239	R1602239	R1602239	R1602333
			Start Depth	2	7	8	5	10	4.6
			End Depth	2.5	8	9	7	11	6.6
Chemical Name	CAS #	NY Part 375 Residential SCO[1]	NY Part 375 Restricted Residential SCO[1]						
VOCs									
1,1,1-Trichloroethane	71-55-6	100,000	100,000	12 UJ	3.1 U	160 U	4 U	2.5 UJ	2,100 U
1,1,2,2-Tetrachloroethane	79-34-5	35,000[CP]	NC	12 R	3.1 U	160 U	4 U	2.5 UJ	2,100 U
1,1,2-Trichloroethane	79-00-5	NC	NC	12 UJ	3.1 U	160 U	4 U	2.5 UJ	2,100 U
1,1-Dichloroethane	75-34-3	19,000	26,000	12 UJ	3.1 U	160 U	4 U	2.5 UJ	2,100 U
1,1-Dichloroethene	75-35-4	100,000	100,000	12 UJ	3.1 U	160 U	4 U	2.5 UJ	2,100 U
1,2,3-Trichlorobenzene	87-61-6	NC	NC	12 R	3.1 U	160 U	4 U	2.5 UJ	2,100 U
1,2,4-Trichlorobenzene	120-82-1	NC	NC	12 R	3.1 U	160 U	4 U	2.5 UJ	2,100 U
1,2,4-Trimethylbenzene	95-63-6	47,000	52,000	3.3 J	3.1 U	48 J	4 U	2.5 UJ	430 J
1,2-Dibromo-3-chloropropane	96-12-8	NC	NC	12 R	3.1 U	160 U	4 U	2.5 UJ	2,100 UJ
1,2-Dibromoethane	106-93-4	NC	NC	12 UJ	3.1 U	160 U	4 U	2.5 UJ	2,100 U
1,2-Dichlorobenzene	95-50-1	100,000	100,000	12 R	3.1 U	160 U	4 U	2.5 UJ	2,100 U
1,2-Dichloroethane	107-06-2	2,300	3,100	12 UJ	3.1 U	160 U	4 U	2.5 UJ	2,100 U
1,2-Dichloropropane	78-87-5	NC	NC	12 UJ	3.1 U	160 U	4 U	2.5 UJ	2,100 U
1,3,5-Trimethylbenzene	108-67-8	47,000	52,000	12 R	3.1 U	160 U	4 U	2.5 UJ	2,100 U
1,3-Dichlorobenzene	541-73-1	17,000	49,000	12 R	3.1 U	160 U	4 U	2.5 UJ	2,100 U
1,4-Dichlorobenzene	106-46-7	9,800	13,000	12 R	3.1 U	160 U	4 U	2.5 UJ	2,100 U
1,4-Dioxane	123-91-1	9,800	13,000	240 R	62 R	3200 R	79 R	50 R	43,000 R
2-Butanone	78-93-3	100,000; 100,000[CP]	100,000	46 J	3.1 U	160 U	12	1.7 J	2,100 U
2-Hexanone	591-78-6	NC	NC	12 UJ	3.1 U	160 U	4 U	2.5 UJ	2,100 U
4-Isopropyltoluene	99-87-6	NC	NC	12 R	3.1 U	160 U	4 U	2.5 UJ	2,100 U
4-Methyl-2-Pentanone	108-10-1	NC	NC	12 UJ	3.1 U	160 U	4 U	2.5 UJ	2,100 U
Acetone	67-64-1	100,000	100,000	210 J	3.1 U	160 U	44 J	8.5 J	2,100 U
Benzene	71-43-2	2,900	4,800	0.97 J	3.1 U	160 U	4 U	2.5 UJ	2,100 U
Bromochloromethane	74-97-5	NC	NC	12 UJ	3.1 U	160 U	4 U	2.5 UJ	2,100 U
Bromodichloromethane	75-27-4	NC	NC	12 UJ	3.1 U	160 U	4 U	2.5 UJ	2,100 U
Bromoform	75-25-2	NC	NC	12 UJ	3.1 U	160 U	4 U	2.5 UJ	2,100 U
Bromomethane	74-83-9	NC	NC	12 UJ	3.1 U	160 U	4 U	2.5 UJ	2,100 UJ
Carbon disulfide	75-15-0	100,000[CP]	NC	12 UJ	3.1 U	160 U	4 U	2.5 UJ	2,100 U
Carbon Tetrachloride	56-23-5	1400	2,400	12 UJ	3.1 U	160 U	4 U	2.5 UJ	2,100 U
Chlorobenzene	108-90-7	100,000	100,000	12 UJ	3.1 U	160 U	4 U	2.5 UJ	2,100 U
Chloroethane	75-00-3	NC	NC	12 UJ	3.1 U	160 U	4 U	2.5 UJ	2,100 U
Chloroform	67-66-3	10,000	49,000	12 UJ	3.1 U	160 U	4 U	2.5 UJ	2,100 U
Chloromethane	74-87-3	NC	NC	12 UJ	3.1 U	160 U	4 U	2.5 UJ	2,100 U
cis-1,2-Dichloroethene	156-59-2	59,000	100,000	12 UJ	3.1 U	160 U	4 U	2.5 UJ	2,100 U
Cis-1,3-Dichloropropene	10061-01-5	NC	NC	12 UJ	3.1 U	160 U	4 U	2.5 UJ	2,100 U
Cyclohexane	110-82-7	NC	NC	7.8 J	3.1 U	160 U	4 U	2.5 UJ	2,100 U
Dibromochloromethane	124-48-1	NC	NC	12 UJ	3.1 U	160 U	4 U	2.5 UJ	2,100 U
Dichlorodifluoromethane	75-71-8	NC	NC	12 UJ	3.1 U	160 U	4 U	2.5 UJ	2,100 U
Ethylbenzene	100-41-4	30,000	41,000	0.9 J	3.1 U	160 U	4 U	2.5 UJ	2,100 U
Isopropylbenzene	98-82-8	100,000[CP]	NC	12 UJ	3.1 U	160 U	4 U	2.5 UJ	2,100 U
m,p-Xylene	XYLMP	NC	NC	11 J	6.2 U	320 U	7.9 U	5 UJ	4,300 U
Methyl Acetate	79-20-9	NC	NC	12 UJ	3.1 U	160 U	4 U	2.5 UJ	2,100 U
Methylcyclohexane	108-87-2	NC	NC	19 J	3.1 U	160 U	15 J	6.8 J	1,600 J
Methylene Chloride	75-09-2	51,000	100,000	12 UJ	3.1 U	160 U	4 U	2.5 UJ	2,100 U
Methyl tert-butyl ether (MTBE)	1634-04-4	62,000	100,000	12 UJ	3.1 U	160 U	4 U	2.5 UJ	2,100 U
n-Butylbenzene	104-51-8	100,000	100,000	12 R	3.1 U	160 U	4 U	0.6 J	2,100 U
n-Propylbenzene	103-65-1	100,000	100,000	12 R	3.1 U	160 U	4 U	2.5 UJ	2,100 U
o-Xylene	95-47-6	NC	NC	3.4 J	3.1 U	160 U	4 U	2.5 UJ	2,100 U
sec-Butylbenzene	135-98-8	100,000	100,000	12 R	3.1 U	160 U	4 U	2.7 J	2,100 U
Styrene	100-42-5	NC	NC	12 UJ	3.1 U	160 U	4 U	2.5 UJ	2,100 U
Tert-Butylbenzene	98-06-6	100,000	100,000	12 R	3.1 U	34 J	4 U	1.2 J	2,100 U
Tetrachloroethene	127-18-4	5,500	19,000	12 UJ	3.1 U	160 U	4 U	2.5 UJ	2,100 U
Toluene	108-88-3	100,000	100,000	4.9 J	3.1 U	160 U	4 U	2.5 UJ	2,100 U
trans-1,2-Dichloroethene	156-60-5	100,000	100,000	12 UJ	3.1 U	160 U	4 U	2.5 UJ	2,100 U
Trans-1,3-Dichloropropene	10061-02-6	NC	NC	12 UJ	3.1 U	160 U	4 U	2.5 UJ	2,100 U
Trichloroethene	79-01-6	10,000	21,000	12 UJ	3.1 U	160 U	4 U	2.5 UJ	2,100 U
Trichlorofluoromethane	75-69-4	NC	NC	12 UJ	3.1 U	160 U	4 U	2.5 UJ	2,100 U
Trichlorotrifluoroethane	26523-64-8	NC	NC	12 UJ	3.1 U	160 U	4 U	2.5 UJ	2,100 U
Vinyl Chloride	75-01-4	210	900	12 UJ	3.1 U	160 U	4 U	2.5 UJ	2,100 U
TOTAL VOC TICs	NA	NC	NC	89	0	5,780	252	326	115,800

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.

	Exceeds Residential Use SCO listed in Part 375 or CP-51
	Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 8A - Subsurface Soil Results Compared to Restricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

			Sample Location	SB-130	SB-131	SB-133	SB-134	SB-135	SB-136
			Sample ID	SB-130-4-4.5-042216	SB-131-8-10-031116	SB-133-4.5-5-041416	SB-134-10-11-031516	SB-135-8-9-041516	SB-136-5-7-031116
			Sample Date	4/22/2016	3/11/2016	4/14/2016	3/15/2016	4/15/2016	3/11/2016
			Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
			Lab SDG	R1603557	R1602239	R1603557	R1602333	R1603557	R1602239
			Start Depth	4	8	4.5	10	8	5
			End Depth	4.5	10	5	11	9	7
Chemical Name	CAS #	NY Part 375 Residential SCO[1]	NY Part 375 Restricted Residential SCO[1]						
VOCs									
1,1,1-Trichloroethane	71-55-6	100,000	100,000	4.3 U	2.2 U	5.3 U	150 U	3.9 U	170 U
1,1,2,2-Tetrachloroethane	79-34-5	35,000[CP]	NC	4.3 UJ	2.2 U	5.3 UJ	150 U	3.9 UJ	170 U
1,1,2-Trichloroethane	79-00-5	NC	NC	4.3 U	2.2 U	5.3 U	150 U	3.9 UJ	170 U
1,1-Dichloroethane	75-34-3	19,000	26,000	4.3 U	4	5.3 U	150 U	3.9 U	170 U
1,1-Dichloroethene	75-35-4	100,000	100,000	4.3 U	2.2 U	5.3 U	150 U	3.9 U	170 U
1,2,3-Trichlorobenzene	87-61-6	NC	NC	4.3 UJ	2.2 U	5.3 UJ	150 U	3.9 UJ	170 U
1,2,4-Trichlorobenzene	120-82-1	NC	NC	4.3 UJ	2.2 U	5.3 UJ	150 U	3.9 UJ	170 U
1,2,4-Trimethylbenzene	95-63-6	47,000	52,000	4.3 UJ	2.2 U	5.3 UJ	150 U	3.9 UJ	170 U
1,2-Dibromo-3-chloropropane	96-12-8	NC	NC	4.3 UJ	2.2 U	5.3 UJ	150 UJ	3.9 UJ	170 U
1,2-Dibromoethane	106-93-4	NC	NC	4.3 U	2.2 U	5.3 UJ	150 U	3.9 UJ	170 U
1,2-Dichlorobenzene	95-50-1	100,000	100,000	4.3 UJ	2.2 U	5.3 UJ	150 U	3.9 UJ	170 U
1,2-Dichloroethane	107-06-2	2,300	3,100	4.3 U	2.2 U	5.3 U	150 U	3.9 UJ	170 U
1,2-Dichloropropane	78-87-5	NC	NC	4.3 U	2.2 U	5.3 U	150 U	3.9 U	170 U
1,3,5-Trimethylbenzene	108-67-8	47,000	52,000	4.3 UJ	2.2 U	5.3 UJ	150 U	3.9 UJ	170 U
1,3-Dichlorobenzene	541-73-1	17,000	49,000	4.3 UJ	2.2 U	5.3 UJ	150 U	3.9 UJ	170 U
1,4-Dichlorobenzene	106-46-7	9,800	13,000	4.3 UJ	2.2 U	5.3 UJ	150 U	3.9 UJ	170 U
1,4-Dioxane	123-91-1	9,800	13,000	86 R	44 R	110 R	2,900 R	78 R	3,300 R
2-Butanone	78-93-3	100,000; 100,000[CP]	100,000	4.7	1.6 J	77	150 U	29 J	170 U
2-Hexanone	591-78-6	NC	NC	4.3 U	2.2 U	5.3 UJ	150 U	3.9 U	170 U
4-Isopropyltoluene	99-87-6	NC	NC	4.3 UJ	2.2 U	5.3 UJ	150 U	3.9 UJ	170 U
4-Methyl-2-Pentanone	108-10-1	NC	NC	4.3 U	2.2 U	5.3 U	150 U	3.9 U	170 U
Acetone	67-64-1	100,000	100,000	17	9.6	200 J	150 U	81 J	170 U
Benzene	71-43-2	2,900	4,800	4.3 U	0.36 J	5.3 U	150 U	3.9 U	170 U
Bromochloromethane	74-97-5	NC	NC	4.3 U	2.2 U	5.3 U	150 U	3.9 UJ	170 U
Bromodichloromethane	75-27-4	NC	NC	4.3 U	2.2 U	5.3 U	150 U	3.9 U	170 U
Bromoform	75-25-2	NC	NC	4.3 U	2.2 U	5.3 UJ	150 U	3.9 U	170 U
Bromomethane	74-83-9	NC	NC	4.3 U	2.2 U	5.3 U	150 UJ	3.9 U	170 U
Carbon disulfide	75-15-0	100,000[CP]	NC	4.3 U	2.2 U	5.3 J	150 U	1.3 J	170 U
Carbon Tetrachloride	56-23-5	1400	2,400	4.3 U	2.2 U	5.3 U	150 U	3.9 U	170 U
Chlorobenzene	108-90-7	100,000	100,000	4.3 U	2.2 U	5.3 UJ	150 U	3.9 U	170 U
Chloroethane	75-00-3	NC	NC	4.3 U	2.2 U	5.3 U	150 U	3.9 U	170 U
Chloroform	67-66-3	10,000	49,000	4.3 U	2.2 U	5.3 U	150 U	3.9 U	170 U
Chloromethane	74-87-3	NC	NC	4.3 U	2.2 U	5.3 U	150 U	3.9 U	170 U
cis-1,2-Dichloroethene	156-59-2	59,000	100,000	4.3 U	2.2 U	5.3 U	150 U	3.9 UJ	170 U
Cis-1,3-Dichloropropene	10061-01-5	NC	NC	4.3 U	2.2 U	5.3 U	150 U	3.9 U	170 U
Cyclohexane	110-82-7	NC	NC	3.3 J	2.2 U	4.1 J	150 U	23 J	170 U
Dibromochloromethane	124-48-1	NC	NC	4.3 U	2.2 U	5.3 UJ	150 U	3.9 U	170 U
Dichlorodifluoromethane	75-71-8	NC	NC	4.3 U	2.2 U	5.3 U	150 U	3.9 U	170 U
Ethylbenzene	100-41-4	30,000	41,000	4.3 U	2.2 U	5.3 UJ	150 U	3.9 U	170 U
Isopropylbenzene	98-82-8	100,000[CP]	NC	4.3 U	2.2 U	5.3 UJ	150 U	3.9 U	170 U
m,p-Xylene	XYLMP	NC	NC	8.6 U	4.4 U	11 UJ	290 U	7.8 U	330 U
Methyl Acetate	79-20-9	NC	NC	4.3 U	2.2 U	5.3 U	150 U	3.9 U	170 U
Methylcyclohexane	108-87-2	NC	NC	17	18	170	150 UJ	100 J	170 U
Methylene Chloride	75-09-2	51,000	100,000	4.3 U	2.2 U	5.3 U	150 U	3.9 UJ	170 U
Methyl tert-butyl ether (MTBE)	1634-04-4	62,000	100,000	4.3 U	2.2 U	5.3 U	150 U	3.9 U	170 U
n-Butylbenzene	104-51-8	100,000	100,000	4.3 UJ	2.2 U	5.3 UJ	150 U	3.9 UJ	170 U
n-Propylbenzene	103-65-1	100,000	100,000	4.3 UJ	2.2 U	5.3 UJ	150 U	3.9 UJ	170 U
o-Xylene	95-47-6	NC	NC	4.3 U	2.2 U	1.5 J	150 U	3.9 U	170 U
sec-Butylbenzene	135-98-8	100,000	100,000	4.3 UJ	0.78 J	5.3 UJ	150 U	3.9 UJ	170 U
Styrene	100-42-5	NC	NC	4.3 U	2.2 U	5.3 UJ	150 U	3.9 U	170 U
Tert-Butylbenzene	98-06-6	100,000	100,000	0.63 J	1.2 J	11 J	150 U	14 J	170 U
Tetrachloroethene	127-18-4	5,500	19,000	4.3 U	2.2 U	5.3 UJ	150 U	3.9 U	170 U
Toluene	108-88-3	100,000	100,000	4.3 U	2.2 U	5.3 U	150 U	3.9 U	170 U
trans-1,2-Dichloroethene	156-60-5	100,000	100,000	4.3 U	2.2 U	5.3 U	150 U	3.9 U	170 U
Trans-1,3-Dichloropropene	10061-02-6	NC	NC	4.3 U	2.2 U	5.3 U	150 U	3.9 U	170 U
Trichloroethene	79-01-6	10,000	21,000	4.3 U	2.2 U	5.3 U	150 U	3.9 U	170 U
Trichlorofluoromethane	75-69-4	NC	NC	4.3 U	2.2 U	5.3 U	150 U	3.9 U	170 U
Trichlorotrifluoroethane	26523-64-8	NC	NC	4.3 U	2.2 U	5.3 UJ	150 U	3.9 UJ	170 U
Vinyl Chloride	75-01-4	210	900	4.3 UJ	2.2 U	5.3 U	150 U	3.9 U	170 U
TOTAL VOC TICs	NA	NC	NC	1,098	680	4,790	810	1,512	4,140

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.
Exceeds Residential Use SCO listed in Part 375 or CP-51
Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 8A - Subsurface Soil Results Compared to Restricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

			Sample Location	SB-137	SB-138	SB-139	SB-141	SB-142	SB-143[BB]
			Sample ID	SB-137-6-8-031116	SB-138-4-4.8-030116	SB-139-8-9.7-030116	SB-141-7-8-030116	SB-142-11-12-030116	SB-143-3-4-030116
			Sample Date	3/11/2016	3/1/2016	3/1/2016	3/1/2016	3/1/2016	3/1/2016
			Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
			Lab SDG	R1602239	R1601741	R1601741	R1601741	R1601741	R1601741
			Start Depth	6	4	8	7	11	3
			End Depth	8	4.8	9.7	8	12	4
Chemical Name	**CAS #**	**NY Part 375 Residential SCO[1]**	**NY Part 375 Restricted Residential SCO[1]**						
VOCs									
1,1,1-Trichloroethane	71-55-6	100,000	100,000	170 U	950 U	4.1 U	170 U	170 U	7.7 U
1,1,2,2-Tetrachloroethane	79-34-5	35,000[CP]	NC	170 U	950 U	4.1 U	170 U	170 U	7.7 U
1,1,2-Trichloroethane	79-00-5	NC	NC	170 U	950 U	4.1 U	170 U	170 U	7.7 U
1,1-Dichloroethane	75-34-3	19,000	26,000	170 U	950 U	4.1 U	170 U	170 U	7.7 U
1,1-Dichloroethene	75-35-4	100,000	100,000	170 U	950 U	4.1 U	170 U	170 U	7.7 U
1,2,3-Trichlorobenzene	87-61-6	NC	NC	170 U	950 U	4.1 U	170 U	170 U	7.7 U
1,2,4-Trichlorobenzene	120-82-1	NC	NC	170 U	950 U	4.1 U	170 U	170 U	7.7 U
1,2,4-Trimethylbenzene	95-63-6	47,000	52,000	170 U	950 U	4.1 U	170 U	170 U	7.7 U
1,2-Dibromo-3-chloropropane	96-12-8	NC	NC	170 U	950 U	4.1 U	170 U	170 U	7.7 U
1,2-Dibromoethane	106-93-4	NC	NC	170 U	950 U	4.1 U	170 U	170 U	7.7 U
1,2-Dichlorobenzene	95-50-1	100,000	100,000	170 U	950 U	4.1 U	170 U	170 U	7.7 U
1,2-Dichloroethane	107-06-2	2,300	3,100	170 U	950 U	4.1 U	170 U	170 U	7.7 U
1,2-Dichloropropane	78-87-5	NC	NC	170 U	950 U	4.1 U	170 U	170 U	7.7 U
1,3,5-Trimethylbenzene	108-67-8	47,000	52,000	170 U	270 J	4.1 U	170 U	170 U	7.7 U
1,3-Dichlorobenzene	541-73-1	17,000	49,000	170 U	950 U	4.1 U	170 U	170 U	7.7 U
1,4-Dichlorobenzene	106-46-7	9,800	13,000	170 U	950 U	4.1 U	170 U	170 U	7.7 U
1,4-Dioxane	123-91-1	9,800	13,000	3,500 R	19,000 R	21 J	3,400 R	3,400 R	150 R
2-Butanone	78-93-3	100,000; 100,000[CP]	100,000	170 U	950 U	3.2 J	170 U	170 U	7.7 U
2-Hexanone	591-78-6	NC	NC	170 U	950 U	4.1 U	170 U	170 U	7.7 U
4-Isopropyltoluene	99-87-6	NC	NC	170 U	950 U	4.1 U	170 U	170 U	7.7 U
4-Methyl-2-Pentanone	108-10-1	NC	NC	170 U	950 U	4.1 U	170 U	170 U	7.7 U
Acetone	67-64-1	100,000	100,000	170 U	950 U	15	170 U	170 U	5.4 J
Benzene	71-43-2	2,900	4,800	170 U	950 U	4.1 U	170 U	170 U	0.77 J
Bromochloromethane	74-97-5	NC	NC	170 U	950 U	4.1 U	170 U	170 U	7.7 U
Bromodichloromethane	75-27-4	NC	NC	170 U	950 U	4.1 U	170 U	170 U	7.7 U
Bromoform	75-25-2	NC	NC	170 U	950 U	4.1 U	170 U	170 U	7.7 U
Bromomethane	74-83-9	NC	NC	170 U	950 U	4.1 U	170 U	170 U	7.7 U
Carbon disulfide	75-15-0	100,000[CP]	NC	170 U	950 U	1.1 J	170 U	170 U	7.7 U
Carbon Tetrachloride	56-23-5	1400	2,400	170 U	950 U	4.1 U	170 U	170 U	7.7 U
Chlorobenzene	108-90-7	100,000	100,000	170 U	950 U	4.1 U	170 U	170 U	7.7 U
Chloroethane	75-00-3	NC	NC	170 U	950 U	4.1 U	170 U	170 U	7.7 U
Chloroform	67-66-3	10,000	49,000	170 U	950 U	4.1 U	170 U	170 U	7.7 U
Chloromethane	74-87-3	NC	NC	170 U	950 U	4.1 U	170 U	170 U	7.7 U
cis-1,2-Dichloroethene	156-59-2	59,000	100,000	170 U	950 U	4.1 U	170 U	170 U	7.7 U
Cis-1,3-Dichloropropene	10061-01-5	NC	NC	170 U	950 U	4.1 U	170 U	170 U	7.7 U
Cyclohexane	110-82-7	NC	NC	190	950 U	4.1 U	170 U	170 U	7.7 U
Dibromochloromethane	124-48-1	NC	NC	170 U	950 U	4.1 U	170 U	170 U	7.7 U
Dichlorodifluoromethane	75-71-8	NC	NC	170 U	950 U	4.1 U	170 U	170 U	7.7 U
Ethylbenzene	100-41-4	30,000	41,000	170 U	950 U	4.1 U	170 U	170 U	7.7 U
Isopropylbenzene	98-82-8	100,000[CP]	NC	170 U	950 U	4.1 U	170 U	170 U	7.7 U
m,p-Xylene	XYLMP	NC	NC	350 U	1900 U	8.3 U	340 U	340 U	15 U
Methyl Acetate	79-20-9	NC	NC	170 U	950 U	4.1 U	170 U	170 U	7.7 U
Methylcyclohexane	108-87-2	NC	NC	170 U	9500	2.3 J	99 J	79 J	4.5 J
Methylene Chloride	75-09-2	51,000	100,000	170 U	950 U	4.1 U	170 U	170 U	7.7 U
Methyl tert-butyl ether (MTBE)	1634-04-4	62,000	100,000	170 U	950 U	4.1 U	170 U	170 U	7.7 U
n-Butylbenzene	104-51-8	100,000	100,000	170 U	240 J	4.1 U	170 U	170 U	7.7 U
n-Propylbenzene	103-65-1	100,000	100,000	170 U	950 U	4.1 U	170 U	170 U	7.7 U
o-Xylene	95-47-6	NC	NC	170 U	950 U	4.1 U	170 U	170 U	7.7 U
sec-Butylbenzene	135-98-8	100,000	100,000	170 U	580 J	4.1 U	46 J	170 U	7.7 U
Styrene	100-42-5	NC	NC	170 U	950 U	4.1 U	170 U	170 U	7.7 U
Tert-Butylbenzene	98-06-6	100,000	100,000	38 J	210 J	2.2 J	27 J	170 U	7.7 U
Tetrachloroethene	127-18-4	5,500	19,000	170 U	950 U	4.1 U	170 U	170 U	7.7 U
Toluene	108-88-3	100,000	100,000	170 U	950 U	4.1 U	170 U	170 U	7.7 U
trans-1,2-Dichloroethene	156-60-5	100,000	100,000	170 U	950 U	4.1 U	170 U	170 U	7.7 U
Trans-1,3-Dichloropropene	10061-02-6	NC	NC	170 U	950 U	4.1 U	170 U	170 U	7.7 U
Trichloroethene	79-01-6	10,000	21,000	170 U	950 U	4.1 U	170 U	170 U	7.7 U
Trichlorofluoromethane	75-69-4	NC	NC	170 U	950 U	4.1 U	170 U	170 U	7.7 U
Trichlorotrifluoroethane	26523-64-8	NC	NC	170 U	950 U	4.1 U	170 U	170 U	7.7 U
Vinyl Chloride	75-01-4	210	900	170 U	950 U	4.1 U	170 U	170 U	7.7 U
TOTAL VOC TICs	NA	NC	NC	19,100	155,000	118.1	4,090	4,970	24.6

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.

Exceeds Residential Use SCO listed in Part 375 or CP-51
Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 8A - Subsurface Soil Results Compared to Restricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

			Sample Location	SB-144	SB-145	SB-146	SB-147	SB-148
			Sample ID	SB-144-1-1.8-030116	SB-145-25.4-26.1-030916	SB-146-6-8-030216	SB-147-10-11.4-042216	SB-148-8-9.2-040716
			Sample Date	3/1/2016	3/9/2016	3/2/2016	4/22/2016	4/7/2016
			Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
			Lab SDG	R1601741	R1602058	R1601741	R1603557	R1603190
			Start Depth	1	25.4	6	10	8
			End Depth	1.8	26.1	8	11	9.2
Chemical Name	CAS #	NY Part 375 Residential SCO[1]	NY Part 375 Restricted Residential SCO[1]					
VOCs								
1,1,1-Trichloroethane	71-55-6	100,000	100,000	6 U	3.5 U	4.5 U	2.9 U	3.6 U
1,1,2,2-Tetrachloroethane	79-34-5	35,000[CP]	NC	6 U	3.5 U	4.5 U	2.9 U	3.6 U
1,1,2-Trichloroethane	79-00-5	NC	NC	6 U	3.5 U	4.5 U	2.9 U	3.6 U
1,1-Dichloroethane	75-34-3	19,000	26,000	6 U	3.5 U	4.5 U	2.9 U	3.6 U
1,1-Dichloroethene	75-35-4	100,000	100,000	6 U	3.5 U	4.5 U	2.9 U	3.6 U
1,2,3-Trichlorobenzene	87-61-6	NC	NC	6 U	3.5 U	4.5 U	2.9 U	3.6 U
1,2,4-Trichlorobenzene	120-82-1	NC	NC	6 U	3.5 U	4.5 U	2.9 U	3.6 U
1,2,4-Trimethylbenzene	95-63-6	47,000	52,000	6 U	0.75 J	4.5 U	2.9 U	3.6 U
1,2-Dibromo-3-chloropropane	96-12-8	NC	NC	6 U	3.5 U	4.5 U	2.9 U	3.6 U
1,2-Dibromoethane	106-93-4	NC	NC	6 U	3.5 U	4.5 U	2.9 U	3.6 U
1,2-Dichlorobenzene	95-50-1	100,000	100,000	6 U	3.5 U	4.5 U	2.9 U	3.6 U
1,2-Dichloroethane	107-06-2	2,300	3,100	6 U	3.5 U	4.5 U	2.9 U	3.6 U
1,2-Dichloropropane	78-87-5	NC	NC	6 U	3.5 U	4.5 U	2.9 U	3.6 U
1,3,5-Trimethylbenzene	108-67-8	47,000	52,000	6 U	3.5 U	4.5 U	2.9 U	3.6 U
1,3-Dichlorobenzene	541-73-1	17,000	49,000	6 U	3.5 U	4.5 U	2.9 U	3.6 U
1,4-Dichlorobenzene	106-46-7	9,800	13,000	6 U	3.5 U	4.5 U	2.9 U	3.6 U
1,4-Dioxane	123-91-1	9,800	13,000	120 R	70 R	89 R	57 R	72 R
2-Butanone	78-93-3	100,000; 100,000[CP]	100,000	9.5	2.1 J	4.5 U	2.7 J	2.1 J
2-Hexanone	591-78-6	NC	NC	6 U	3.5 U	4.5 U	2.9 U	3.6 U
4-Isopropyltoluene	99-87-6	NC	NC	6 U	3.5 U	4.5 U	2.9 U	3.6 U
4-Methyl-2-Pentanone	108-10-1	NC	NC	6 U	3.5 U	4.5 U	2.9 U	3.6 U
Acetone	67-64-1	100,000	100,000	61	6.5	6.7	8	8.3
Benzene	71-43-2	2,900	4,800	6.9	1.1 J	4.5 U	2.9 U	3.6 U
Bromochloromethane	74-97-5	NC	NC	6 U	3.5 U	4.5 U	2.9 U	3.6 U
Bromodichloromethane	75-27-4	NC	NC	6 U	3.5 U	4.5 U	2.9 U	3.6 U
Bromoform	75-25-2	NC	NC	6 U	3.5 U	4.5 U	2.9 U	3.6 U
Bromomethane	74-83-9	NC	NC	6 U	3.5 UJ	4.5 U	2.9 U	3.6 U
Carbon disulfide	75-15-0	100,000[CP]	NC	6 U	1.5 J	4.5 U	2.9 U	3.6 U
Carbon Tetrachloride	56-23-5	1400	2,400	6 U	3.5 U	4.5 U	2.9 U	3.6 U
Chlorobenzene	108-90-7	100,000	100,000	6 U	3.5 U	4.5 U	2.9 U	3.6 U
Chloroethane	75-00-3	NC	NC	6 U	3.5 U	4.5 U	2.9 U	3.6 U
Chloroform	67-66-3	10,000	49,000	6 U	3.5 U	4.5 U	2.9 U	3.6 U
Chloromethane	74-87-3	NC	NC	6 U	3.5 U	4.5 U	2.9 U	3.6 U
cis-1,2-Dichloroethene	156-59-2	59,000	100,000	6 U	3.5 U	4.5 U	2.9 U	3.6 U
Cis-1,3-Dichloropropene	10061-01-5	NC	NC	6 U	3.5 U	4.5 U	2.9 U	3.6 U
Cyclohexane	110-82-7	NC	NC	1.9 J	2.4 J	4.5 U	2.9 U	3.6 U
Dibromochloromethane	124-48-1	NC	NC	6 U	3.5 U	4.5 U	2.9 U	3.6 U
Dichlorodifluoromethane	75-71-8	NC	NC	6 U	3.5 U	4.5 U	2.9 U	3.6 U
Ethylbenzene	100-41-4	30,000	41,000	0.31 J	0.23 J	4.5 U	2.9 U	3.6 U
Isopropylbenzene	98-82-8	100,000[CP]	NC	6 U	3.5 U	4.5 U	2.9 U	3.6 U
m,p-Xylene	XYLMP	NC	NC	4.7 J	1.7 J	8.9 U	5.7 U	7.2 U
Methyl Acetate	79-20-9	NC	NC	9.3	3.5 U	4.5 U	2.9 U	3.6 U
Methylcyclohexane	108-87-2	NC	NC	2.9 J	3.5	4.5 U	2.9 U	3.6 U
Methylene Chloride	75-09-2	51,000	100,000	6 U	3.5 U	4.5 U	2.9 U	3.6 U
Methyl tert-butyl ether (MTBE)	1634-04-4	62,000	100,000	6 U	3.5 U	4.5 U	2.9 U	3.6 U
n-Butylbenzene	104-51-8	100,000	100,000	6 U	3.5 U	4.5 U	2.9 U	3.6 U
n-Propylbenzene	103-65-1	100,000	100,000	6 U	3.5 U	4.5 U	2.9 U	3.6 U
o-Xylene	95-47-6	NC	NC	6 U	0.49 J	4.5 U	2.9 U	3.6 U
sec-Butylbenzene	135-98-8	100,000	100,000	6 U	3.5 U	4.5 U	2.9 U	3.6 U
Styrene	100-42-5	NC	NC	6 U	3.5 U	4.5 U	2.9 U	3.6 U
Tert-Butylbenzene	98-06-6	100,000	100,000	6 U	3.5 U	4.5 U	2.9 U	3.6 U
Tetrachloroethene	127-18-4	5,500	19,000	6 U	3.5 U	4.5 U	2.9 U	3.6 U
Toluene	108-88-3	100,000	100,000	4.9 J	2.2 J	4.5 U	2.9 U	3.6 U
trans-1,2-Dichloroethene	156-60-5	100,000	100,000	6 U	3.5 U	4.5 U	2.9 U	3.6 U
Trans-1,3-Dichloropropene	10061-02-6	NC	NC	6 U	3.5 U	4.5 U	2.9 U	3.6 U
Trichloroethene	79-01-6	10,000	21,000	6 U	3.5 U	4.5 U	2.9 U	3.6 U
Trichlorofluoromethane	75-69-4	NC	NC	6 U	3.5 U	4.5 U	2.9 U	3.6 U
Trichlorotrifluoroethane	26523-64-8	NC	NC	6 U	3.5 U	4.5 U	2.9 U	3.6 U
Vinyl Chloride	75-01-4	210	900	6 U	3.5 U	4.5 U	2.9 UJ	3.6 U
TOTAL VOC TICs	NA	NC	NC	33.8	25.7	0	2.9	49.8

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.

	Exceeds Residential Use SCO listed in Part 375 or CP-51
	Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 8A - Subsurface Soil Results Compared to Restricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

			Sample Location	SB-149	SB-149[BB]	SB-150	SB-152	SB-154	SB-156
			Sample ID	SB-149-10-11-040616	SB-149-4-5-040616	SB-150-3-4-022916	SB-152-6-7-030316	SB-154-15-17-030316	SB-156-16-17-030916
			Sample Date	4/6/2016	4/6/2016	2/29/2016	3/3/2016	3/3/2016	3/9/2016
			Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
			Lab SDG	R1603190	R1603190	R1601741	R1601955	R1601955	R1602058
			Start Depth	10	4	3	6	15	16
			End Depth	11	5	4	7	17	17
Chemical Name	CAS #	NY Part 375 Residential SCO[1]	NY Part 375 Restricted Residential SCO[1]						
VOCs									
1,1,1-Trichloroethane	71-55-6	100,000	100,000	2.7 U	8.8 U	4.8 U	3.9 U	5 U	3 U
1,1,2,2-Tetrachloroethane	79-34-5	35,000[CP]	NC	2.7 U	8.8 U	4.8 UJ	3.9 U	5 U	3 U
1,1,2-Trichloroethane	79-00-5	NC	NC	2.7 U	8.8 U	4.8 U	3.9 U	5 U	3 U
1,1-Dichloroethane	75-34-3	19,000	26,000	2.7 U	8.8 U	4.8 U	3.9 U	5 U	3 U
1,1-Dichloroethene	75-35-4	100,000	100,000	2.7 U	8.8 U	4.8 U	3.9 U	5 U	3 U
1,2,3-Trichlorobenzene	87-61-6	NC	NC	2.7 U	8.8 U	4.8 UJ	3.9 U	5 U	3 U
1,2,4-Trichlorobenzene	120-82-1	NC	NC	2.7 U	8.8 U	4.8 UJ	3.9 U	5 U	3 U
1,2,4-Trimethylbenzene	95-63-6	47,000	52,000	2.7 U	8.8 U	4.8 UJ	3.9 U	5 U	0.56 J
1,2-Dibromo-3-chloropropane	96-12-8	NC	NC	2.7 U	8.8 U	4.8 UJ	3.9 U	5 U	3 U
1,2-Dibromoethane	106-93-4	NC	NC	2.7 U	8.8 U	4.8 U	3.9 U	5 U	3 U
1,2-Dichlorobenzene	95-50-1	100,000	100,000	2.7 U	8.8 U	4.8 UJ	3.9 U	5 U	3 U
1,2-Dichloroethane	107-06-2	2,300	3,100	2.7 U	8.8 U	4.8 U	3.9 U	5 U	3 U
1,2-Dichloropropane	78-87-5	NC	NC	2.7 U	8.8 U	4.8 U	3.9 U	5 U	3 U
1,3,5-Trimethylbenzene	108-67-8	47,000	52,000	2.7 U	8.8 U	4.8 UJ	3.9 U	5 U	3 U
1,3-Dichlorobenzene	541-73-1	17,000	49,000	2.7 U	8.8 U	4.8 UJ	3.9 U	5 U	3 U
1,4-Dichlorobenzene	106-46-7	9,800	13,000	2.7 U	8.8 U	4.8 UJ	3.9 U	5 U	3 U
1,4-Dioxane	123-91-1	9,800	13,000	53 R	180 R	97 R	77 R	100 R	60 R
2-Butanone	78-93-3	100,000; 100,000[CP]	100,000	2.5 J	8.8 U	3.4 J	2.1 J	4.2 J	3 U
2-Hexanone	591-78-6	NC	NC	2.7 U	8.8 U	4.8 U	3.9 U	5 U	3 U
4-Isopropyltoluene	99-87-6	NC	NC	2.7 U	8.8 U	4.8 UJ	3.9 U	5 U	3 U
4-Methyl-2-Pentanone	108-10-1	NC	NC	2.7 U	8.8 U	4.8 U	3.9 U	5 U	3 U
Acetone	67-64-1	100,000	100,000	12	8.8 U	16	7	24	3 U
Benzene	71-43-2	2,900	4,800	2.7 U	8.8 U	4.8 U	3.9 U	5 U	0.96 J
Bromochloromethane	74-97-5	NC	NC	2.7 U	8.8 U	4.8 U	3.9 U	5 U	3 U
Bromodichloromethane	75-27-4	NC	NC	2.7 U	8.8 U	4.8 U	3.9 U	5 U	3 U
Bromoform	75-25-2	NC	NC	2.7 U	8.8 U	4.8 U	3.9 U	5 U	3 U
Bromomethane	74-83-9	NC	NC	2.7 U	8.8 U	4.8 UJ	3.9 U	5 R	3 UJ
Carbon disulfide	75-15-0	100,000[CP]	NC	2.7 U	8.8 U	4.8 U	3.9 U	5 U	1.4 J
Carbon Tetrachloride	56-23-5	1400	2,400	2.7 U	8.8 U	4.8 U	3.9 U	5 U	3 U
Chlorobenzene	108-90-7	100,000	100,000	2.7 U	8.8 U	4.8 U	3.9 U	5 U	3 U
Chloroethane	75-00-3	NC	NC	2.7 U	8.8 U	4.8 U	3.9 U	5 U	3 U
Chloroform	67-66-3	10,000	49,000	2.7 U	8.8 U	4.8 U	3.9 U	5 U	3 U
Chloromethane	74-87-3	NC	NC	2.7 U	8.8 U	4.8 U	3.9 U	5 UJ	3 U
cis-1,2-Dichloroethene	156-59-2	59,000	100,000	2.7 U	8.8 U	4.8 U	3.9 U	5 U	3 U
Cis-1,3-Dichloropropene	10061-01-5	NC	NC	2.7 U	8.8 U	4.8 U	3.9 U	5 U	3 U
Cyclohexane	110-82-7	NC	NC	2.7 U	8.8 U	4.8 U	3.9 U	5 U	1.9 J
Dibromochloromethane	124-48-1	NC	NC	2.7 U	8.8 U	4.8 U	3.9 U	5 U	3 U
Dichlorodifluoromethane	75-71-8	NC	NC	2.7 U	8.8 U	4.8 U	3.9 U	5 U	3 U
Ethylbenzene	100-41-4	30,000	41,000	2.7 U	8.8 U	4.8 U	3.9 U	5 U	0.2 J
Isopropylbenzene	98-82-8	100,000[CP]	NC	2.7 U	8.8 U	4.8 U	3.9 U	5 U	3 U
m,p-Xylene	XYLMP	NC	NC	5.3 U	18 U	9.7 U	7.7 U	10 U	1.3 J
Methyl Acetate	79-20-9	NC	NC	2.7 U	8.8 U	4.8 U	3.9 U	5 U	3 U
Methylcyclohexane	108-87-2	NC	NC	2.7 U	8.8 U	4.8 U	3.9 U	5 U	2.7 J
Methylene Chloride	75-09-2	51,000	100,000	2.7 U	8.8 U	4.8 U	3.9 U	5 U	3 U
Methyl tert-butyl ether (MTBE)	1634-04-4	62,000	100,000	2.7 U	8.8 U	4.8 U	3.9 U	5 U	3 U
n-Butylbenzene	104-51-8	100,000	100,000	2.7 U	8.8 U	4.8 UJ	3.9 U	5 U	3 U
n-Propylbenzene	103-65-1	100,000	100,000	2.7 U	8.8 U	4.8 UJ	3.9 U	5 U	3 U
o-Xylene	95-47-6	NC	NC	2.7 U	8.8 U	4.8 U	3.9 U	5 U	0.39 J
sec-Butylbenzene	135-98-8	100,000	100,000	2.7 U	8.8 U	4.8 UJ	3.9 U	5 U	3 U
Styrene	100-42-5	NC	NC	2.7 U	8.8 U	4.8 U	3.9 U	5 U	3 U
Tert-Butylbenzene	98-06-6	100,000	100,000	2.7 U	8.8 U	4.8 UJ	3.9 U	5 U	3 U
Tetrachloroethene	127-18-4	5,500	19,000	2.7 U	8.8 U	4.8 U	3.9 U	5 U	3 U
Toluene	108-88-3	100,000	100,000	2.7 U	8.8 U	1.1 J	3.9 U	5 U	1.7 J
trans-1,2-Dichloroethene	156-60-5	100,000	100,000	2.7 U	8.8 U	4.8 U	3.9 U	5 U	3 U
Trans-1,3-Dichloropropene	10061-02-6	NC	NC	2.7 U	8.8 U	4.8 U	3.9 U	5 U	3 U
Trichloroethene	79-01-6	10,000	21,000	2.7 U	8.8 U	4.8 U	3.9 U	5 U	3 U
Trichlorofluoromethane	75-69-4	NC	NC	2.7 U	8.8 U	4.8 U	3.9 U	5 U	3 U
Trichlorotrifluoroethane	26523-64-8	NC	NC	2.7 U	8.8 U	4.8 U	3.9 U	5 U	3 U
Vinyl Chloride	75-01-4	210	900	2.7 U	8.8 U	4.8 U	3.9 U	5 U	3 U
TOTAL VOC TICs	NA	NC	NC	27.9	0	12.8	89	100	26.1

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.

	Exceeds Residential Use SCO listed in Part 375 or CP-51
	Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 8A - Subsurface Soil Results Compared to Restricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

Chemical Name	CAS #	NY Part 375 Residential SCO[1]	NY Part 375 Restricted Residential SCO[1]	SB-157	SB-158	SB-159	SB-160	SB-162
			Sample ID	SB-157-20.5-21.5-030916	SB-158-16-17.5-030816	SB-159-17-18-030916	SB-160-4-5-030916	SB-162-19-20-030816
			Sample Date	3/9/2016	3/8/2016	3/9/2016	3/9/2016	3/8/2016
			Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
			Lab SDG	R1602058	R1602058	R1602058	R1602058	R1602058
			Start Depth	20.5	16	17	4	19
			End Depth	21.5	17.5	18	5	20
VOCs								
1,1,1-Trichloroethane	71-55-6	100,000	100,000	2.2 U	3.4 U	3.4 U	2.1 U	4.9 U
1,1,2,2-Tetrachloroethane	79-34-5	35,000[CP]	NC	2.2 U	3.4 U	3.4 U	2.1 U	4.9 U
1,1,2-Trichloroethane	79-00-5	NC	NC	2.2 U	3.4 U	3.4 U	2.1 U	4.9 U
1,1-Dichloroethane	75-34-3	19,000	26,000	2.2 U	3.4 U	3.4 U	2.1 U	4.9 U
1,1-Dichloroethene	75-35-4	100,000	100,000	2.2 U	3.4 U	3.4 U	2.1 U	4.9 U
1,2,3-Trichlorobenzene	87-61-6	NC	NC	2.2 U	3.4 U	3.4 U	2.1 U	4.9 U
1,2,4-Trichlorobenzene	120-82-1	NC	NC	2.2 U	3.4 U	3.4 U	2.1 U	4.9 U
1,2,4-Trimethylbenzene	95-63-6	47,000	52,000	2.2 U	3.4 U	3.4 U	2.1 U	4.9 U
1,2-Dibromo-3-chloropropane	96-12-8	NC	NC	2.2 U	3.4 U	3.4 U	2.1 U	4.9 U
1,2-Dibromoethane	106-93-4	NC	NC	2.2 U	3.4 U	3.4 U	2.1 U	4.9 U
1,2-Dichlorobenzene	95-50-1	100,000	100,000	2.2 U	3.4 U	3.4 U	2.1 U	4.9 U
1,2-Dichloroethane	107-06-2	2,300	3,100	2.2 U	3.4 U	3.4 U	2.1 U	4.9 U
1,2-Dichloropropane	78-87-5	NC	NC	2.2 U	3.4 U	3.4 U	2.1 U	4.9 U
1,3,5-Trimethylbenzene	108-67-8	47,000	52,000	2.2 U	3.4 U	3.4 U	2.1 U	4.9 U
1,3-Dichlorobenzene	541-73-1	17,000	49,000	2.2 U	3.4 U	3.4 U	2.1 U	4.9 U
1,4-Dichlorobenzene	106-46-7	9,800	13,000	2.2 U	3.4 U	3.4 U	2.1 U	4.9 U
1,4-Dioxane	123-91-1	9,800	13,000	45 R	68 R	68 R	42 R	98 R
2-Butanone	78-93-3	100,000; 100,000[CP]	100,000	2.7	3.4 U	3.4 U	2.1 U	6.4
2-Hexanone	591-78-6	NC	NC	2.2 U	3.4 U	3.4 U	2.1 U	4.9 U
4-Isopropyltoluene	99-87-6	NC	NC	2.2 U	3.4 U	3.4 U	2.1 U	4.9 U
4-Methyl-2-Pentanone	108-10-1	NC	NC	2.2 U	3.4 U	3.4 U	2.1 U	4.9 U
Acetone	67-64-1	100,000	100,000	10	3.8	3 J	2.1 U	18
Benzene	71-43-2	2,900	4,800	2.2 U	0.21 J	3.4 U	2.1 U	4.9 U
Bromochloromethane	74-97-5	NC	NC	2.2 U	3.4 U	3.4 U	2.1 U	4.9 U
Bromodichloromethane	75-27-4	NC	NC	2.2 U	3.4 U	3.4 U	2.1 U	4.9 U
Bromoform	75-25-2	NC	NC	2.2 U	3.4 U	3.4 U	2.1 U	4.9 U
Bromomethane	74-83-9	NC	NC	2.2 UJ	3.4 UJ	3.4 UJ	2.1 UJ	4.9 UJ
Carbon disulfide	75-15-0	100,000[CP]	NC	2.2 U	3.4 U	3.4 U	2.1 U	1.8 J
Carbon Tetrachloride	56-23-5	1400	2,400	2.2 U	3.4 U	3.4 U	2.1 U	4.9 U
Chlorobenzene	108-90-7	100,000	100,000	2.2 U	3.4 U	3.4 U	2.1 U	4.9 U
Chloroethane	75-00-3	NC	NC	2.2 U	3.4 U	3.4 U	2.1 U	4.9 U
Chloroform	67-66-3	10,000	49,000	2.2 U	3.4 U	3.4 U	2.1 U	4.9 U
Chloromethane	74-87-3	NC	NC	2.2 U	3.4 U	3.4 U	2.1 U	4.9 U
cis-1,2-Dichloroethene	156-59-2	59,000	100,000	2.2 U	3.4 U	3.4 U	2.1 U	4.9 U
Cis-1,3-Dichloropropene	10061-01-5	NC	NC	2.2 U	3.4 U	3.4 U	2.1 U	4.9 U
Cyclohexane	110-82-7	NC	NC	2.2 U	3.4 U	3.4 U	2.1 U	4.9 U
Dibromochloromethane	124-48-1	NC	NC	2.2 U	3.4 U	3.4 U	2.1 U	4.9 U
Dichlorodifluoromethane	75-71-8	NC	NC	2.2 U	3.4 U	3.4 U	2.1 U	4.9 U
Ethylbenzene	100-41-4	30,000	41,000	2.2 U	3.4 U	3.4 U	2.1 U	4.9 U
Isopropylbenzene	98-82-8	100,000[CP]	NC	2.2 U	3.4 U	3.4 U	2.1 U	4.9 U
m,p-Xylene	XYLMP	NC	NC	4.5 U	6.8 U	6.8 U	4.2 U	9.8 U
Methyl Acetate	79-20-9	NC	NC	2.2 U	3.4 U	3.4 U	2.1 U	4.9 U
Methylcyclohexane	108-87-2	NC	NC	2.2 U	0.87 J	3.4 U	2.1 U	4.9 U
Methylene Chloride	75-09-2	51,000	100,000	2.2 U	3.4 U	3.4 U	2.1 U	4.9 U
Methyl tert-butyl ether (MTBE)	1634-04-4	62,000	100,000	2.2 U	3.4 U	3.4 U	2.1 U	4.9 U
n-Butylbenzene	104-51-8	100,000	100,000	2.2 U	3.4 U	3.4 U	2.1 U	4.9 U
n-Propylbenzene	103-65-1	100,000	100,000	2.2 U	3.4 U	3.4 U	2.1 U	4.9 U
o-Xylene	95-47-6	NC	NC	2.2 U	3.4 U	3.4 U	2.1 U	4.9 U
sec-Butylbenzene	135-98-8	100,000	100,000	2.2 U	3.4 U	3.4 U	2.1 U	4.9 U
Styrene	100-42-5	NC	NC	2.2 U	3.4 U	3.4 U	2.1 U	4.9 U
Tert-Butylbenzene	98-06-6	100,000	100,000	2.2 U	3.4 U	3.4 U	2.1 U	4.9 U
Tetrachloroethene	127-18-4	5,500	19,000	2.2 U	3.4 U	3.4 U	2.1 U	4.9 U
Toluene	108-88-3	100,000	100,000	2.2 U	3.4 U	3.4 U	2.1 U	4.9 U
trans-1,2-Dichloroethene	156-60-5	100,000	100,000	2.2 U	3.4 U	3.4 U	2.1 U	4.9 U
Trans-1,3-Dichloropropene	10061-02-6	NC	NC	2.2 U	3.4 U	3.4 U	2.1 U	4.9 U
Trichloroethene	79-01-6	10,000	21,000	2.2 U	3.4 U	3.4 U	2.1 U	4.9 U
Trichlorofluoromethane	75-69-4	NC	NC	2.2 U	3.4 U	3.4 U	2.1 U	4.9 U
Trichlorotrifluoroethane	26523-64-8	NC	NC	2.2 U	3.4 U	3.4 U	2.1 U	4.9 U
Vinyl Chloride	75-01-4	210	900	2.2 U	3.4 U	3.4 U	2.1 U	4.9 U
TOTAL VOC TICs	NA	NC	NC	0	0	0	0	0

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.
Exceeds Residential Use SCO listed in Part 375 or CP-51
Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 8A - Subsurface Soil Results Compared to Restricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

			Sample Location	SB-163	SB-164	SB-165	SB-166	SB-167
			Sample ID	SB-163-13.5-16-030816	SB-164-4-5.9-030716	SB-165-22-23-030716	SB-166-13-15-030816	SB-167-18-19-030716
			Sample Date	3/8/2016	3/7/2016	3/7/2016	3/8/2016	3/7/2016
			Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
			Lab SDG	R1602058	R1601955	R1601955	R1602058	R1601955
			Start Depth	13.5	4	22	13	18
			End Depth	16	5.9	23	15	19
Chemical Name	CAS #	NY Part 375 Residential SCO[1]	NY Part 375 Restricted Residential SCO[1]					
VOCs								
1,1,1-Trichloroethane	71-55-6	100,000	100,000	3.7 U	4.6 U	3.4 U	2.4 U	220 U
1,1,2,2-Tetrachloroethane	79-34-5	35,000[CP]	NC	3.7 U	4.6 U	3.4 U	2.4 U	220 U
1,1,2-Trichloroethane	79-00-5	NC	NC	3.7 U	4.6 U	3.4 U	2.4 U	220 U
1,1-Dichloroethane	75-34-3	19,000	26,000	3.7 U	4.6 U	3.4 U	2.4 U	220 U
1,1-Dichloroethene	75-35-4	100,000	100,000	3.7 U	4.6 U	3.4 U	2.4 U	220 U
1,2,3-Trichlorobenzene	87-61-6	NC	NC	3.7 U	4.6 U	3.4 U	2.4 U	220 U
1,2,4-Trichlorobenzene	120-82-1	NC	NC	3.7 U	4.6 U	3.4 U	2.4 U	220 U
1,2,4-Trimethylbenzene	95-63-6	47,000	52,000	3.7 U	1.5 J	3.4 U	2.4 U	220 U
1,2-Dibromo-3-chloropropane	96-12-8	NC	NC	3.7 U	4.6 U	3.4 U	2.4 U	220 U
1,2-Dibromoethane	106-93-4	NC	NC	3.7 U	4.6 U	3.4 U	2.4 U	220 U
1,2-Dichlorobenzene	95-50-1	100,000	100,000	3.7 U	4.6 U	3.4 U	2.4 U	220 U
1,2-Dichloroethane	107-06-2	2,300	3,100	3.7 U	4.6 U	3.4 U	2.4 U	220 U
1,2-Dichloropropane	78-87-5	NC	NC	3.7 U	4.6 U	3.4 U	2.4 U	220 U
1,3,5-Trimethylbenzene	108-67-8	47,000	52,000	3.7 U	0.9 J	3.4 U	2.4 U	690
1,3-Dichlorobenzene	541-73-1	17,000	49,000	3.7 U	4.6 U	3.4 U	2.4 U	220 U
1,4-Dichlorobenzene	106-46-7	9,800	13,000	3.7 U	4.6 U	3.4 U	2.4 U	220 U
1,4-Dioxane	123-91-1	9,800	13,000	73 R	92 R	68 R	49 R	4,400 R
2-Butanone	78-93-3	100,000; 100,000[CP]	100,000	2 J	4.6 U	2.3 J	2.4 U	220 U
2-Hexanone	591-78-6	NC	NC	3.7 U	4.6 U	3.4 U	2.4 U	220 U
4-Isopropyltoluene	99-87-6	NC	NC	3.7 U	4.6 U	3.4 U	2.4 U	220 U
4-Methyl-2-Pentanone	108-10-1	NC	NC	3.7 U	4.6 U	3.4 U	2.4 U	220 U
Acetone	67-64-1	100,000	100,000	10 J	14	13	2.4 U	220 U
Benzene	71-43-2	2,900	4,800	3.7 U	2.9 J	3.4 U	2.4 U	220 U
Bromochloromethane	74-97-5	NC	NC	3.7 U	4.6 U	3.4 U	2.4 U	220 U
Bromodichloromethane	75-27-4	NC	NC	3.7 U	4.6 U	3.4 U	2.4 U	220 U
Bromoform	75-25-2	NC	NC	3.7 U	4.6 U	3.4 U	2.4 U	220 U
Bromomethane	74-83-9	NC	NC	3.7 UJ	4.6 U	3.4 U	2.4 UJ	220 U
Carbon disulfide	75-15-0	100,000[CP]	NC	3.7 U	4.6 U	4.7	2.4 U	220 U
Carbon Tetrachloride	56-23-5	1400	2,400	3.7 U	4.6 U	3.4 U	2.4 U	220 U
Chlorobenzene	108-90-7	100,000	100,000	3.7 U	4.6 U	3.4 U	2.4 U	220 U
Chloroethane	75-00-3	NC	NC	3.7 U	4.6 U	3.4 U	2.4 U	220 U
Chloroform	67-66-3	10,000	49,000	3.7 U	4.6 U	3.4 U	2.4 U	220 U
Chloromethane	74-87-3	NC	NC	3.7 U	4.6 U	3.4 U	2.4 U	220 U
cis-1,2-Dichloroethene	156-59-2	59,000	100,000	3.7 U	4.6 U	3.4 U	2.4 U	220 U
Cis-1,3-Dichloropropene	10061-01-5	NC	NC	3.7 U	4.6 U	3.4 U	2.4 U	220 U
Cyclohexane	110-82-7	NC	NC	3.7 U	8.6	3.4 U	2.4 U	220 U
Dibromochloromethane	124-48-1	NC	NC	3.7 U	4.6 U	3.4 U	2.4 U	220 U
Dichlorodifluoromethane	75-71-8	NC	NC	3.7 U	4.6 U	3.4 U	2.4 U	220 U
Ethylbenzene	100-41-4	30,000	41,000	3.7 U	0.48 J	3.4 U	2.4 U	220 U
Isopropylbenzene	98-82-8	100,000[CP]	NC	3.7 U	4.6 U	3.4 U	2.4 U	220 U
m,p-Xylene	XYLMP	NC	NC	7.3 U	4.6 J	6.8 U	4.9 U	440 U
Methyl Acetate	79-20-9	NC	NC	3.7 U	3.1 J	3.4 U	2.4 U	220 U
Methylcyclohexane	108-87-2	NC	NC	3.7 U	11	3.4 U	2.4 U	580
Methylene Chloride	75-09-2	51,000	100,000	3.7 U	4.6 U	3.4 U	2.4 U	220 U
Methyl tert-butyl ether (MTBE)	1634-04-4	62,000	100,000	3.7 U	4.6 U	3.4 U	2.4 U	220 U
n-Butylbenzene	104-51-8	100,000	100,000	3.7 U	4.6 U	3.4 U	2.4 U	88 J
n-Propylbenzene	103-65-1	100,000	100,000	3.7 U	4.6 U	3.4 U	2.4 U	220 U
o-Xylene	95-47-6	NC	NC	3.7 U	1.1 J	3.4 U	2.4 U	220 U
sec-Butylbenzene	135-98-8	100,000	100,000	3.7 U	4.6 U	3.4 U	2.4 U	62 J
Styrene	100-42-5	NC	NC	3.7 U	4.6 U	3.4 U	2.4 U	220 U
Tert-Butylbenzene	98-06-6	100,000	100,000	3.7 U	4.6 U	3.4 U	2.4 U	220 U
Tetrachloroethene	127-18-4	5,500	19,000	3.7 U	4.6 U	3.4 U	2.4 U	220 U
Toluene	108-88-3	100,000	100,000	3.7 U	5.4	3.4 U	2.4 U	220 U
trans-1,2-Dichloroethene	156-60-5	100,000	100,000	3.7 U	4.6 U	3.4 U	2.4 U	220 U
Trans-1,3-Dichloropropene	10061-02-6	NC	NC	3.7 U	4.6 U	3.4 U	2.4 U	220 U
Trichloroethene	79-01-6	10,000	21,000	3.7 U	4.6 U	3.4 U	2.4 U	220 U
Trichlorofluoromethane	75-69-4	NC	NC	3.7 U	4.6 U	3.4 U	2.4 U	220 U
Trichlorotrifluoroethane	26523-64-8	NC	NC	3.7 U	4.6 U	3.4 U	2.4 U	220 U
Vinyl Chloride	75-01-4	210	900	3.7 U	4.6 U	3.4 U	2.4 U	220 U
TOTAL VOC TICs	NA	NC	NC	0	154.1	38.6	2.6	8,360

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.

	Exceeds Residential Use SCO listed in Part 375 or CP-51
	Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 8A - Subsurface Soil Results Compared to Restricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

			Sample Location	SB-168	SB-169	SB-170	SB-171	SB-172
			Sample ID	SB-168-16-17-030816	SB-169-16-17-030716	SB-170-16-16.8-022916	SB-171-15-16-022916	SB-172-8.5-9.7-090717
			Sample Date	3/8/2016	3/7/2016	2/29/2016	2/29/2016	9/7/2017
			Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
			Lab SDG	R1602058	R1601955	R1601741	R1601741	R1708422
			Start Depth	16	16	16	15	8.5
			End Depth	17	17	16.8	16	9.7
Chemical Name	CAS #	NY Part 375 Residential SCO[1]	NY Part 375 Restricted Residential SCO[1]					
VOCs								
1,1,1-Trichloroethane	71-55-6	100,000	100,000	220 U	870 U	2.1 U	320 U	4.2 U
1,1,2,2-Tetrachloroethane	79-34-5	35,000[CP]	NC	220 U	870 U	2.1 U	320 U	4.2 U
1,1,2-Trichloroethane	79-00-5	NC	NC	220 U	870 U	2.1 U	320 U	4.2 U
1,1-Dichloroethane	75-34-3	19,000	26,000	220 U	870 U	2.1 U	320 U	4.2 U
1,1-Dichloroethene	75-35-4	100,000	100,000	220 U	870 U	2.1 U	320 U	4.2 U
1,2,3-Trichlorobenzene	87-61-6	NC	NC	220 U	870 U	2.1 U	320 U	4.2 U
1,2,4-Trichlorobenzene	120-82-1	NC	NC	220 U	870 U	2.1 U	320 U	4.2 U
1,2,4-Trimethylbenzene	95-63-6	47,000	52,000	220 U	31,000	2.1 U	320 U	4.2 U
1,2-Dibromo-3-chloropropane	96-12-8	NC	NC	220 U	870 U	2.1 U	320 U	4.2 UJ
1,2-Dibromoethane	106-93-4	NC	NC	220 U	870 U	2.1 U	320 U	4.2 U
1,2-Dichlorobenzene	95-50-1	100,000	100,000	220 U	870 U	2.1 U	320 U	4.2 U
1,2-Dichloroethane	107-06-2	2,300	3,100	220 U	870 U	2.1 U	320 U	4.2 U
1,2-Dichloropropane	78-87-5	NC	NC	220 U	870 U	2.1 U	320 U	4.2 U
1,3,5-Trimethylbenzene	108-67-8	47,000	52,000	220 U	20,000	2.1 U	7500	4.2 U
1,3-Dichlorobenzene	541-73-1	17,000	49,000	220 U	870 U	2.1 U	320 U	4.2 U
1,4-Dichlorobenzene	106-46-7	9,800	13,000	220 U	870 U	2.1 U	320 U	4.2 U
1,4-Dioxane	123-91-1	9,800	13,000	4,400 R	17,000 R	42 R	6,400 R	84 R
2-Butanone	78-93-3	100,000; 100,000[CP]	100,000	220 U	870 U	2.1 U	320 U	3.8 J
2-Hexanone	591-78-6	NC	NC	220 U	870 U	2.1 U	320 U	4.2 U
4-Isopropyltoluene	99-87-6	NC	NC	220 U	1000	2.1 U	320 U	4.2 U
4-Methyl-2-Pentanone	108-10-1	NC	NC	220 U	870 U	2.1 U	320 U	4.2 U
Acetone	67-64-1	100,000	100,000	220 U	870 U	2.2	320 U	24
Benzene	71-43-2	2,900	4,800	220 U	870 U	2.1 U	320 U	4.2 U
Bromochloromethane	74-97-5	NC	NC	220 U	870 U	2.1 U	320 U	4.2 U
Bromodichloromethane	75-27-4	NC	NC	220 U	870 U	2.1 U	320 U	4.2 U
Bromoform	75-25-2	NC	NC	220 U	870 U	2.1 U	320 U	4.2 U
Bromomethane	74-83-9	NC	NC	220 U	870 U	2.1 U	320 U	4.2 UJ
Carbon disulfide	75-15-0	100,000[CP]	NC	220 U	870 U	1 J	320 U	4.2 U
Carbon Tetrachloride	56-23-5	1400	2,400	220 U	870 U	2.1 U	320 U	4.2 U
Chlorobenzene	108-90-7	100,000	100,000	220 U	870 U	2.1 U	320 U	4.2 U
Chloroethane	75-00-3	NC	NC	220 U	870 U	2.1 U	320 U	4.2 UJ
Chloroform	67-66-3	10,000	49,000	220 U	870 U	2.1 U	320 U	4.2 U
Chloromethane	74-87-3	NC	NC	220 U	870 U	2.1 U	320 U	4.2 U
cis-1,2-Dichloroethene	156-59-2	59,000	100,000	220 U	870 U	2.1 U	320 U	4.2 U
Cis-1,3-Dichloropropene	10061-01-5	NC	NC	220 U	870 U	2.1 U	320 U	4.2 U
Cyclohexane	110-82-7	NC	NC	220 U	49,000	2.1 U	320 U	4.2 U
Dibromochloromethane	124-48-1	NC	NC	220 U	870 U	2.1 U	320 U	4.2 U
Dichlorodifluoromethane	75-71-8	NC	NC	220 U	870 U	2.1 U	320 U	4.2 U
Ethylbenzene	100-41-4	30,000	41,000	220 U	160 J	2.1 U	320 U	4.2 U
Isopropylbenzene	98-82-8	100,000[CP]	NC	220 U	2100	2.1 U	320 U	4.2 U
m,p-Xylene	XYLMP	NC	NC	440 U	88,000	4.2 U	640 U	8.4 U
Methyl Acetate	79-20-9	NC	NC	220 U	870 U	2.1 U	320 U	4.2 U
Methylcyclohexane	108-87-2	NC	NC	220 U	140,000	2.1 U	320 U	4.2 U
Methylene Chloride	75-09-2	51,000	100,000	220 U	870 U	2.1 U	320 U	4.2 U
Methyl tert-butyl ether (MTBE)	1634-04-4	62,000	100,000	220 U	870 U	2.1 U	320 U	4.2 U
n-Butylbenzene	104-51-8	100,000	100,000	220 U	870 U	2.1 U	320 U	4.2 U
n-Propylbenzene	103-65-1	100,000	100,000	220 U	2,300	2.1 U	320 U	4.2 U
o-Xylene	95-47-6	NC	NC	220 U	110 J	2.1 U	320 U	4.2 U
sec-Butylbenzene	135-98-8	100,000	100,000	220 U	710 J	2.1 U	170 J	4.2 U
Styrene	100-42-5	NC	NC	220 U	870 U	2.1 U	320 U	4.2 U
Tert-Butylbenzene	98-06-6	100,000	100,000	220 U	180 J	0.32 J	130 J	4.2 U
Tetrachloroethene	127-18-4	5,500	19,000	220 U	870 U	2.1 U	320 U	4.2 U
Toluene	108-88-3	100,000	100,000	220 U	870 U	2.1 U	320 U	4.2 U
trans-1,2-Dichloroethene	156-60-5	100,000	100,000	220 U	870 U	2.1 U	320 U	4.2 U
Trans-1,3-Dichloropropene	10061-02-6	NC	NC	220 U	870 U	2.1 U	320 U	4.2 U
Trichloroethene	79-01-6	10,000	21,000	220 U	870 U	2.1 U	320 U	4.2 U
Trichlorofluoromethane	75-69-4	NC	NC	220 U	870 U	2.1 U	320 U	4.2 U
Trichlorotrifluoroethane	26523-64-8	NC	NC	220 U	870 U	2.1 U	320 U	4.2 U
Vinyl Chloride	75-01-4	210	900	220 U	870 U	2.1 U	320 U	4.2 U
TOTAL VOC TICs	NA	NC	NC	6,660	315,000	21.6	57,700	NT

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.

	Exceeds Residential Use SCO listed in Part 375 or CP-51
	Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 8A - Subsurface Soil Results Compared to Restricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

			Sample Location	SB-172	SB-173	SB-173	SB-174	SB-174
			Sample ID	SB-172-8.8-9.6-082217	SB-173-12-15-082117	SB-173-12-15-090717	SB-174-12.5-15-082117	SB-174-12.5-15-090717
			Sample Date	8/22/2017	8/21/2017	9/7/2017	8/21/2017	9/7/2017
			Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
			Lab SDG	R1707777	R1707777	R1708422	R1707777	R1708422
			Start Depth	8.8	12	12	12.5	12.5
			End Depth	9.6	15	15	15	15
Chemical Name	**CAS #**	**NY Part 375 Residential SCO[1]**	**NY Part 375 Restricted Residential SCO[1]**					
VOCs								
1,1,1-Trichloroethane	71-55-6	100,000	100,000	5.5 U	6.3 U	4.2 U	6.6 U	4.2 U
1,1,2,2-Tetrachloroethane	79-34-5	35,000[CP]	NC	5.5 U	6.3 U	4.2 U	6.6 U	4.2 U
1,1,2-Trichloroethane	79-00-5	NC	NC	5.5 U	6.3 U	4.2 U	6.6 U	4.2 U
1,1-Dichloroethane	75-34-3	19,000	26,000	5.5 U	6.3 U	4.2 U	6.6 U	4.2 U
1,1-Dichloroethene	75-35-4	100,000	100,000	5.5 U	6.3 U	4.2 U	6.6 U	4.2 U
1,2,3-Trichlorobenzene	87-61-6	NC	NC	5.5 U	6.3 U	4.2 U	6.6 U	4.2 U
1,2,4-Trichlorobenzene	120-82-1	NC	NC	5.5 U	6.3 U	4.2 U	6.6 U	4.2 U
1,2,4-Trimethylbenzene	95-63-6	47,000	52,000	6.6	6.3 U	4.2 U	6.6 U	4.2 U
1,2-Dibromo-3-chloropropane	96-12-8	NC	NC	5.5 U	6.3 U	4.2 UJ	6.6 U	4.2 UJ
1,2-Dibromoethane	106-93-4	NC	NC	5.5 U	6.3 U	4.2 U	6.6 U	4.2 U
1,2-Dichlorobenzene	95-50-1	100,000	100,000	5.5 U	6.3 U	4.2 U	6.6 U	4.2 U
1,2-Dichloroethane	107-06-2	2,300	3,100	5.5 U	6.3 U	4.2 U	6.6 U	4.2 U
1,2-Dichloropropane	78-87-5	NC	NC	5.5 U	6.3 U	4.2 U	6.6 U	4.2 U
1,3,5-Trimethylbenzene	108-67-8	47,000	52,000	3.2 J	6.3 U	4.2 U	6.6 U	4.2 U
1,3-Dichlorobenzene	541-73-1	17,000	49,000	5.5 U	6.3 U	4.2 U	6.6 U	4.2 U
1,4-Dichlorobenzene	106-46-7	9,800	13,000	5.5 U	6.3 U	4.2 U	6.6 U	4.2 U
1,4-Dioxane	123-91-1	9,800	13,000	110 U	130 U	84 R	130 U	84 R
2-Butanone	78-93-3	100,000; 100,000[CP]	100,000	5.5 U	6.3 U	4.2 U	6.6 U	4.2 U
2-Hexanone	591-78-6	NC	NC	5.5 U	6.3 U	4.2 U	6.6 U	4.2 U
4-Isopropyltoluene	99-87-6	NC	NC	5.5 U	6.3 U	4.2 U	6.6 U	4.2 U
4-Methyl-2-Pentanone	108-10-1	NC	NC	5.5 U	6.3 U	4.2 U	6.6 U	4.2 U
Acetone	67-64-1	100,000	100,000	6.2	6.3 U	4.2 U	6.6 U	4.2 U
Benzene	71-43-2	2,900	4,800	1.7 J	6.3 U	4.2 U	6.6 U	4.2 U
Bromochloromethane	74-97-5	NC	NC	5.5 U	6.3 U	4.2 U	6.6 U	4.2 U
Bromodichloromethane	75-27-4	NC	NC	5.5 U	6.3 U	4.2 U	6.6 U	4.2 U
Bromoform	75-25-2	NC	NC	5.5 U	6.3 U	4.2 U	6.6 U	4.2 U
Bromomethane	74-83-9	NC	NC	5.5 U	6.3 U	4.2 UJ	6.6 U	4.2 UJ
Carbon disulfide	75-15-0	100,000[CP]	NC	2.2 J	6.3 U	4.2 U	6.6 U	4.2 U
Carbon Tetrachloride	56-23-5	1400	2,400	5.5 U	6.3 U	4.2 U	6.6 U	4.2 U
Chlorobenzene	108-90-7	100,000	100,000	5.5 U	6.3 U	4.2 U	6.6 U	4.2 U
Chloroethane	75-00-3	NC	NC	5.5 U	6.3 U	4.2 UJ	6.6 U	4.2 UJ
Chloroform	67-66-3	10,000	49,000	5.5 U	6.3 U	4.2 U	6.6 U	4.2 U
Chloromethane	74-87-3	NC	NC	5.5 U	6.3 U	4.2 U	6.6 U	4.2 U
cis-1,2-Dichloroethene	156-59-2	59,000	100,000	5.5 U	6.3 U	4.2 U	6.6 U	4.2 U
Cis-1,3-Dichloropropene	10061-01-5	NC	NC	5.5 U	6.3 U	4.2 U	6.6 U	4.2 U
Cyclohexane	110-82-7	NC	NC	7.3	6.3 U	4.2 U	6.6 U	4.2 U
Dibromochloromethane	124-48-1	NC	NC	5.5 U	6.3 U	4.2 U	6.6 U	4.2 U
Dichlorodifluoromethane	75-71-8	NC	NC	5.5 U	6.3 U	4.2 U	6.6 U	4.2 U
Ethylbenzene	100-41-4	30,000	41,000	1.4 J	6.3 U	4.2 U	6.6 U	4.2 U
Isopropylbenzene	98-82-8	100,000[CP]	NC	5.5 U	6.3 U	4.2 U	6.6 U	4.2 U
m,p-Xylene	XYLMP	NC	NC	11	13 U	8.4 U	13 U	8.4 U
Methyl Acetate	79-20-9	NC	NC	5.5 U	6.3 U	4.2 U	6.6 U	4.2 U
Methylcyclohexane	108-87-2	NC	NC	14	6.3 U	4.2 U	6.6 U	4.2 U
Methylene Chloride	75-09-2	51,000	100,000	0.87 J	1 J	4.2 U	1.2 J	4.2 U
Methyl tert-butyl ether (MTBE)	1634-04-4	62,000	100,000	5.5 U	6.3 U	4.2 U	6.6 U	4.2 U
n-Butylbenzene	104-51-8	100,000	100,000	5.5 U	6.3 U	4.2 U	6.6 U	4.2 U
n-Propylbenzene	103-65-1	100,000	100,000	5.5 U	6.3 U	4.2 U	6.6 U	4.2 U
o-Xylene	95-47-6	NC	NC	2.9 J	6.3 U	4.2 U	6.6 U	4.2 U
sec-Butylbenzene	135-98-8	100,000	100,000	5.5 U	6.3 U	4.2 U	6.6 U	4.2 U
Styrene	100-42-5	NC	NC	5.5 U	6.3 U	4.2 U	6.6 U	4.2 U
Tert-Butylbenzene	98-06-6	100,000	100,000	5.5 U	6.3 U	4.2 U	6.6 U	4.2 U
Tetrachloroethene	127-18-4	5,500	19,000	5.5 U	6.3 U	4.2 U	6.6 U	4.2 U
Toluene	108-88-3	100,000	100,000	7.2	6.3 U	4.2 U	6.6 U	4.2 U
trans-1,2-Dichloroethene	156-60-5	100,000	100,000	5.5 U	6.3 U	4.2 U	6.6 U	4.2 U
Trans-1,3-Dichloropropene	10061-02-6	NC	NC	5.5 U	6.3 U	4.2 U	6.6 U	4.2 U
Trichloroethene	79-01-6	10,000	21,000	5.5 U	6.3 U	4.2 U	6.6 U	4.2 U
Trichlorofluoromethane	75-69-4	NC	NC	5.5 U	6.3 U	4.2 U	6.6 U	4.2 U
Trichlorotrifluoroethane	26523-64-8	NC	NC	5.5 U	6.3 U	4.2 U	6.6 U	4.2 U
Vinyl Chloride	75-01-4	210	900	5.5 U	6.3 U	4.2 U	6.6 U	4.2 U
TOTAL VOC TICs	NA	NC	NC	NT	NT	NT	NT	NT

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.

	Exceeds Residential Use SCO listed in Part 375 or CP-51
	Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 8A - Subsurface Soil Results Compared to Restricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

			Sample Location	SB-176	SB-TP-131	SB-TP-139[BB]	SB-TP-139[BB]	SB-TP-144
			Sample ID	SB-176-6-7-041216	SB-TP-131-5-7-031516	DUP-001-030716	SB-TP-139-12-14-030716	SB-TP-144-4-6-030916
			Sample Date	4/12/2016	3/15/2016	3/7/2016	3/7/2016	3/9/2016
			Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
			Lab SDG	R1603190	R1602333	R1601955	R1601955	R1602058
			Start Depth	6	5	12	12	4
			End Depth	7	7	14	14	6
Chemical Name	**CAS #**	**NY Part 375 Residential SCO[1]**	**NY Part 375 Restricted Residential SCO[1]**					
VOCs								
1,1,1-Trichloroethane	71-55-6	100,000	100,000	210 U	2.9 U	3.3 U	4.2 U	3.2 U
1,1,2,2-Tetrachloroethane	79-34-5	35,000[CP]	NC	210 U	2.9 U	3.3 U	4.2 U	3.2 U
1,1,2-Trichloroethane	79-00-5	NC	NC	210 U	2.9 U	3.3 U	4.2 U	3.2 U
1,1-Dichloroethane	75-34-3	19,000	26,000	66 J	2.9 U	3.3 U	4.2 U	3.2 U
1,1-Dichloroethene	75-35-4	100,000	100,000	210 U	2.9 U	3.3 U	4.2 U	3.2 U
1,2,3-Trichlorobenzene	87-61-6	NC	NC	210 U	2.9 U	3.3 U	4.2 U	3.2 U
1,2,4-Trichlorobenzene	120-82-1	NC	NC	210 U	2.9 U	3.3 U	4.2 U	3.2 U
1,2,4-Trimethylbenzene	95-63-6	47,000	52,000	210 U	2.9 U	3.3 U	4.2 U	3.2 U
1,2-Dibromo-3-chloropropane	96-12-8	NC	NC	210 U	2.9 U	3.3 U	4.2 U	3.2 U
1,2-Dibromoethane	106-93-4	NC	NC	210 U	2.9 U	3.3 U	4.2 U	3.2 U
1,2-Dichlorobenzene	95-50-1	100,000	100,000	210 U	2.9 U	3.3 U	4.2 U	3.2 U
1,2-Dichloroethane	107-06-2	2,300	3,100	210 U	2.9 U	3.3 U	4.2 U	3.2 U
1,2-Dichloropropane	78-87-5	NC	NC	210 U	2.9 U	3.3 U	4.2 U	3.2 U
1,3,5-Trimethylbenzene	108-67-8	47,000	52,000	210 U	2.9 U	3.3 U	4.2 U	3.2 U
1,3-Dichlorobenzene	541-73-1	17,000	49,000	210 U	2.9 U	3.3 U	4.2 U	3.2 U
1,4-Dichlorobenzene	106-46-7	9,800	13,000	210 U	2.9 U	3.3 U	4.2 U	3.2 U
1,4-Dioxane	123-91-1	9,800	13,000	4,100 R	59 R	67 R	83 R	64 R
2-Butanone	78-93-3	100,000; 100,000[CP]	100,000	210 U	7.3	3.3 U	4.2 U	3.2 U
2-Hexanone	591-78-6	NC	NC	210 U	2.9 U	3.3 U	4.2 U	3.2 U
4-Isopropyltoluene	99-87-6	NC	NC	210 U	2.9 U	3.3 U	4.2 U	3.2 U
4-Methyl-2-Pentanone	108-10-1	NC	NC	210 U	2.9 U	3.3 U	4.2 U	3.2 U
Acetone	67-64-1	100,000	100,000	210 U	23	3.3 U	4.2 U	3.2 U
Benzene	71-43-2	2,900	4,800	210 U	2.9 U	3.3 U	4.2 U	3.2 U
Bromochloromethane	74-97-5	NC	NC	210 U	2.9 U	3.3 U	4.2 U	3.2 U
Bromodichloromethane	75-27-4	NC	NC	210 U	2.9 U	3.3 U	4.2 U	3.2 U
Bromoform	75-25-2	NC	NC	210 U	2.9 U	3.3 U	4.2 U	3.2 U
Bromomethane	74-83-9	NC	NC	210 U	2.9 U	3.3 UJ	4.2 U	3.2 UJ
Carbon disulfide	75-15-0	100,000[CP]	NC	210 U	2.9 U	3.3 U	4.2 U	3.2 U
Carbon Tetrachloride	56-23-5	1400	2,400	210 U	2.9 U	3.3 U	4.2 U	3.2 U
Chlorobenzene	108-90-7	100,000	100,000	210 U	2.9 U	3.3 U	4.2 U	3.2 U
Chloroethane	75-00-3	NC	NC	210 U	2.9 U	3.3 U	4.2 U	3.2 U
Chloroform	67-66-3	10,000	49,000	210 U	2.9 U	3.3 U	4.2 U	3.2 U
Chloromethane	74-87-3	NC	NC	210 U	2.9 U	3.3 U	4.2 U	3.2 U
cis-1,2-Dichloroethene	156-59-2	59,000	100,000	210 U	2.9 U	3.3 U	4.2 U	3.2 U
Cis-1,3-Dichloropropene	10061-01-5	NC	NC	210 U	2.9 U	3.3 U	4.2 U	3.2 U
Cyclohexane	110-82-7	NC	NC	210 U	2.9 U	3.3 U	4.2 U	3.2 U
Dibromochloromethane	124-48-1	NC	NC	210 U	2.9 U	3.3 U	4.2 U	3.2 U
Dichlorodifluoromethane	75-71-8	NC	NC	210 U	2.9 U	3.3 U	4.2 U	3.2 U
Ethylbenzene	100-41-4	30,000	41,000	210 U	2.9 U	3.3 U	4.2 U	3.2 U
Isopropylbenzene	98-82-8	100,000[CP]	NC	210 U	2.9 U	3.3 U	4.2 U	3.2 U
m,p-Xylene	XYLMP	NC	NC	410 U	5.9 U	6.7 U	8.3 U	6.4 U
Methyl Acetate	79-20-9	NC	NC	210 U	2.9 U	3.3 U	4.2 U	3.2 U
Methylcyclohexane	108-87-2	NC	NC	210 U	3.6	3.3 U	4.2 U	3.2 U
Methylene Chloride	75-09-2	51,000	100,000	210 U	2.9 U	3.3 U	4.2 U	3.2 U
Methyl tert-butyl ether (MTBE)	1634-04-4	62,000	100,000	210 U	2.9 U	3.3 U	4.2 U	3.2 U
n-Butylbenzene	104-51-8	100,000	100,000	63 J	2.9 U	3.3 U	4.2 U	3.2 U
n-Propylbenzene	103-65-1	100,000	100,000	210 U	2.9 U	3.3 U	4.2 U	3.2 U
o-Xylene	95-47-6	NC	NC	210 U	2.9 U	3.3 U	4.2 U	3.2 U
sec-Butylbenzene	135-98-8	100,000	100,000	230	2.9 U	3.3 U	4.2 U	3.2 U
Styrene	100-42-5	NC	NC	210 U	2.9 U	3.3 U	4.2 U	3.2 U
Tert-Butylbenzene	98-06-6	100,000	100,000	110 J	1.7 J	3.3 U	4.2 U	3.2 U
Tetrachloroethene	127-18-4	5,500	19,000	210 U	2.9 U	3.3 U	4.2 U	3.2 U
Toluene	108-88-3	100,000	100,000	210 U	2.9 U	3.3 U	4.2 U	3.2 U
trans-1,2-Dichloroethene	156-60-5	100,000	100,000	210 U	2.9 U	3.3 U	4.2 U	3.2 U
Trans-1,3-Dichloropropene	10061-02-6	NC	NC	210 U	2.9 U	3.3 U	4.2 U	3.2 U
Trichloroethene	79-01-6	10,000	21,000	210 U	2.9 U	3.3 U	4.2 U	3.2 U
Trichlorofluoromethane	75-69-4	NC	NC	210 U	2.9 U	3.3 U	4.2 U	3.2 U
Trichlorotrifluoroethane	26523-64-8	NC	NC	210 U	2.9 U	3.3 U	4.2 U	3.2 U
Vinyl Chloride	75-01-4	210	900	210 U	2.9 U	3.3 U	4.2 U	3.2 U
TOTAL VOC TICs	NA	NC	NC	65,300	133.7	15.4	40	4.4

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.

	Exceeds Residential Use SCO listed in Part 375 or CP-51
	Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 8A - Subsurface Soil Results Compared to Restricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

			Sample Location	SB-TP-147	TP-101	TP-103	TP-103	TP-104	TP-106
			Sample ID	SB-TP-147-16-18-031016	TP-101-2-4-012116	DUP-008-012116	TP-103-0-2-012116	TP-104-0-2-012216	TP-106-1.5-4-012216
			Sample Date	3/10/2016	1/21/2016	1/21/2016	1/21/2016	1/22/2016	1/22/2016
			Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
			Lab SDG	R1602058	R1600468	R1600468	R1600468	R1600468	R1600468
			Start Depth	16	2	0	0	0	1.5
			End Depth	18	4	2	2	2	4
Chemical Name	**CAS #**	**NY Part 375 Residential SCO[1]**	**NY Part 375 Restricted Residential SCO[1]**						
VOCs									
1,1,1-Trichloroethane	71-55-6	100,000	100,000	2.7 U	5.7 R	5.2 U	3.7 U	13 U	11 U
1,1,2,2-Tetrachloroethane	79-34-5	35,000[CP]	NC	2.7 U	5.7 R	5.2 U	3.7 U	13 U	11 U
1,1,2-Trichloroethane	79-00-5	NC	NC	2.7 U	5.7 R	5.2 U	3.7 U	13 U	11 U
1,1-Dichloroethane	75-34-3	19,000	26,000	2.7 U	5.7 R	5.2 U	3.7 U	13 U	11 U
1,1-Dichloroethene	75-35-4	100,000	100,000	2.7 U	5.7 R	5.2 U	3.7 U	13 U	11 U
1,2,3-Trichlorobenzene	87-61-6	NC	NC	2.7 U	5.7 R	5.2 U	3.7 U	13 U	11 U
1,2,4-Trichlorobenzene	120-82-1	NC	NC	2.7 U	5.7 R	5.2 U	3.7 U	13 U	11 U
1,2,4-Trimethylbenzene	95-63-6	47,000	52,000	1.2 J	5.7 R	5.2 U	3.7 U	13 U	11 U
1,2-Dibromo-3-chloropropane	96-12-8	NC	NC	2.7 U	5.7 R	5.2 U	3.7 U	13 U	11 U
1,2-Dibromoethane	106-93-4	NC	NC	2.7 U	5.7 R	5.2 U	3.7 U	13 U	11 U
1,2-Dichlorobenzene	95-50-1	100,000	100,000	2.7 U	5.7 R	5.2 U	3.7 U	13 U	11 U
1,2-Dichloroethane	107-06-2	2,300	3,100	2.7 U	5.7 R	5.2 U	3.7 U	13 U	11 U
1,2-Dichloropropane	78-87-5	NC	NC	2.7 U	5.7 R	5.2 U	3.7 U	13 U	11 U
1,3,5-Trimethylbenzene	108-67-8	47,000	52,000	0.53 J	5.7 R	5.2 U	3.7 U	13 U	11 U
1,3-Dichlorobenzene	541-73-1	17,000	49,000	2.7 U	5.7 R	5.2 U	3.7 U	13 U	11 U
1,4-Dichlorobenzene	106-46-7	9,800	13,000	2.7 U	5.7 R	5.2 U	3.7 U	13 U	11 U
1,4-Dioxane	123-91-1	9,800	13,000	54 R	110 R	100 R	74 R	260 R	230 R
2-Butanone	78-93-3	100,000; 100,000[CP]	100,000	2.7 U	5.7 R	5.2 U	3.7 U	13 U	11 U
2-Hexanone	591-78-6	NC	NC	2.7 U	5.7 R	5.2 U	3.7 U	13 U	11 U
4-Isopropyltoluene	99-87-6	NC	NC	2.7 U	5.7 R	5.2 U	3.7 U	13 U	11 U
4-Methyl-2-Pentanone	108-10-1	NC	NC	2.7 U	5.7 R	5.2 U	3.7 U	13 U	11 U
Acetone	67-64-1	100,000	100,000	2.4 J	5.7 R	3.3 J	83 J	28	22
Benzene	71-43-2	2,900	4,800	1.5 J	5.7 R	5.2 U	3.7 U	13 U	11 U
Bromochloromethane	74-97-5	NC	NC	2.7 U	5.7 R	5.2 U	3.7 U	13 U	11 U
Bromodichloromethane	75-27-4	NC	NC	2.7 U	5.7 R	5.2 U	3.7 U	13 U	11 U
Bromoform	75-25-2	NC	NC	2.7 U	5.7 U	5.2 U	3.7 U	13 U	11 U
Bromomethane	74-83-9	NC	NC	2.7 U	6.3 J	5.2 U	3.7 U	13 U	11 U
Carbon disulfide	75-15-0	100,000[CP]	NC	3.2	5.7 R	5.2 U	3.7 U	13 U	11 U
Carbon Tetrachloride	56-23-5	1400	2,400	2.7 U	5.7 R	5.2 U	3.7 U	13 U	11 UJ
Chlorobenzene	108-90-7	100,000	100,000	2.7 U	5.7 R	5.2 U	3.7 U	13 U	11 U
Chloroethane	75-00-3	NC	NC	2.7 U	5.7 R	5.2 UJ	3.7 UJ	13 UJ	11 UJ
Chloroform	67-66-3	10,000	49,000	2.7 U	5.7 R	5.2 U	3.7 U	13 U	11 U
Chloromethane	74-87-3	NC	NC	2.7 U	2 J	5.2 U	3.7 U	13 U	11 U
cis-1,2-Dichloroethene	156-59-2	59,000	100,000	2.7 U	5.7 R	5.2 U	3.7 U	13 U	11 U
Cis-1,3-Dichloropropene	10061-01-5	NC	NC	2.7 U	5.7 R	5.2 U	3.7 U	13 U	11 U
Cyclohexane	110-82-7	NC	NC	3.2	5.7 R	5.2 U	3.7 U	13 U	11 U
Dibromochloromethane	124-48-1	NC	NC	2.7 U	5.7 R	5.2 U	3.7 U	13 U	11 U
Dichlorodifluoromethane	75-71-8	NC	NC	2.7 U	5.7 R	5.2 U	3.7 U	13 U	11 U
Ethylbenzene	100-41-4	30,000	41,000	0.34 J	5.7 R	5.2 U	3.7 U	13 U	11 U
Isopropylbenzene	98-82-8	100,000[CP]	NC	2.7 U	5.7 UJ	5.2 U	3.7 U	13 U	11 U
m,p-Xylene	XYLMP	NC	NC	2.5 J	11 R	10 U	7.4 U	26 U	23 U
Methyl Acetate	79-20-9	NC	NC	2.7 U	25	5.2 U	3.2 J	13 U	7 J
Methylcyclohexane	108-87-2	NC	NC	5.1	5.7 R	5.2 U	3.7 U	13 U	11 U
Methylene Chloride	75-09-2	51,000	100,000	2.7 U	5.7 R	5.2 U	3.7 U	13 U	11 U
Methyl tert-butyl ether (MTBE)	1634-04-4	62,000	100,000	2.7 U	5.7 R	5.2 U	3.7 U	13 U	11 U
n-Butylbenzene	104-51-8	100,000	100,000	2.7 U	5.7 R	5.2 U	3.7 U	13 U	11 U
n-Propylbenzene	103-65-1	100,000	100,000	2.7 U	5.7 R	5.2 U	3.7 U	13 U	11 U
o-Xylene	95-47-6	NC	NC	0.74 J	5.7 R	5.2 U	3.7 U	13 U	11 U
sec-Butylbenzene	135-98-8	100,000	100,000	2.7 U	5.7 R	5.2 U	3.7 U	13 U	11 U
Styrene	100-42-5	NC	NC	0.32 J	5.7 R	5.2 U	3.7 U	13 U	11 U
Tert-Butylbenzene	98-06-6	100,000	100,000	2.7 U	5.7 R	5.2 U	3.7 U	13 U	11 U
Tetrachloroethene	127-18-4	5,500	19,000	2.7 U	5.7 R	5.2 U	3.7 U	13 U	11 U
Toluene	108-88-3	100,000	100,000	3	3.8 J	5.2 U	3.7 U	13 U	11 U
trans-1,2-Dichloroethene	156-60-5	100,000	100,000	2.7 U	5.7 R	5.2 U	3.7 U	13 U	11 U
Trans-1,3-Dichloropropene	10061-02-6	NC	NC	2.7 U	5.7 R	5.2 U	3.7 U	13 U	11 U
Trichloroethene	79-01-6	10,000	21,000	2.7 U	5.7 R	5.2 U	3.7 U	13 U	11 U
Trichlorofluoromethane	75-69-4	NC	NC	2.7 U	5.7 R	5.2 U	3.7 U	13 U	11 U
Trichlorotrifluoroethane	26523-64-8	NC	NC	2.7 U	5.7 U	5.2 U	3.7 U	13 U	11 U
Vinyl Chloride	75-01-4	210	900	2.7 U	5.7 R	5.2 U	3.7 U	13 U	11 U
TOTAL VOC TICs	NA	NC	NC	45.4	41.8	0	0	0	0

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.

	Exceeds Residential Use SCO listed in Part 375 or CP-51
	Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 8A - Subsurface Soil Results Compared to Restricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

			Sample Location	TP-107	TP-108	TP-109[BB]	TP-110	TP-112	TP-113
			Sample ID	TP-107-0-2-012216	TP-108-0-1.5-012516	TP-109-4-4.5-012516	TP-110-1.5-2-012516	TP-112-3.5-4-012516	TP-113-1.5-2-012516
			Sample Date	1/22/2016	1/25/2016	1/25/2016	1/25/2016	1/25/2016	1/25/2016
			Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
			Lab SDG	R1600468	R1600634	R1600634	R1600634	R1600634	R1600634
			Start Depth	0	0	4	1.5	3.5	1.5
			End Depth	2	1.5	4.5	2	4	2
Chemical Name	CAS #	NY Part 375 Residential SCO[1]	NY Part 375 Restricted Residential SCO[1]						
VOCs									
1,1,1-Trichloroethane	71-55-6	100,000	100,000	9.9 U	4.9 U	4.3 U	8.4 U	3.9 U	4 U
1,1,2,2-Tetrachloroethane	79-34-5	35,000[CP]	NC	9.9 U	4.9 U	4.3 U	8.4 U	3.9 U	4 U
1,1,2-Trichloroethane	79-00-5	NC	NC	9.9 U	4.9 U	4.3 U	8.4 U	3.9 U	4 U
1,1-Dichloroethane	75-34-3	19,000	26,000	9.9 U	4.9 UJ	4.3 UJ	8.4 U	3.9 U	4 U
1,1-Dichloroethene	75-35-4	100,000	100,000	9.9 U	4.9 UJ	4.3 U	8.4 U	3.9 U	4 U
1,2,3-Trichlorobenzene	87-61-6	NC	NC	9.9 U	4.9 U	4.3 U	8.4 U	3.9 U	4 U
1,2,4-Trichlorobenzene	120-82-1	NC	NC	9.9 U	4.9 U	4.3 U	8.4 U	3.9 U	4 U
1,2,4-Trimethylbenzene	95-63-6	47,000	52,000	9.9 U	4.9 U	4.3 U	8.4 U	3.9 U	4 U
1,2-Dibromo-3-chloropropane	96-12-8	NC	NC	9.9 U	4.9 U	4.3 U	8.4 U	3.9 U	4 U
1,2-Dibromoethane	106-93-4	NC	NC	9.9 U	4.9 U	4.3 U	8.4 U	3.9 U	4 U
1,2-Dichlorobenzene	95-50-1	100,000	100,000	9.9 U	4.9 U	4.3 U	8.4 U	3.9 U	4 U
1,2-Dichloroethane	107-06-2	2,300	3,100	9.9 U	4.9 U	4.3 U	8.4 U	3.9 U	4 U
1,2-Dichloropropane	78-87-5	NC	NC	9.9 U	4.9 U	4.3 U	8.4 U	3.9 U	4 U
1,3,5-Trimethylbenzene	108-67-8	47,000	52,000	9.9 U	4.9 U	4.3 U	8.4 U	3.9 U	4 U
1,3-Dichlorobenzene	541-73-1	17,000	49,000	9.9 U	4.9 U	4.3 U	8.4 U	3.9 U	4 U
1,4-Dichlorobenzene	106-46-7	9,800	13,000	9.9 U	4.9 U	4.3 U	8.4 U	3.9 U	4 U
1,4-Dioxane	123-91-1	9,800	13,000	200 R	99 R	86 R	170 R	78 R	80 R
2-Butanone	78-93-3	100,000; 100,000[CP]	100,000	9.9 U	4.9 U	4.3 U	8.4 U	3.9 U	4 U
2-Hexanone	591-78-6	NC	NC	9.9 U	4.9 U	4.3 U	8.4 U	3.9 U	4 U
4-Isopropyltoluene	99-87-6	NC	NC	9.9 U	4.9 U	4.3 U	8.4 U	3.9 U	4 U
4-Methyl-2-Pentanone	108-10-1	NC	NC	9.9 U	4.9 U	4.3 U	8.4 U	3.9 U	4 U
Acetone	67-64-1	100,000	100,000	9.9 U	18 J	4.3 UJ	8.4 U	4.7 UJ	4 UJ
Benzene	71-43-2	2,900	4,800	9.9 U	4.9 U	4.3 U	8.4 U	3.9 U	4 U
Bromochloromethane	74-97-5	NC	NC	9.9 U	4.9 U	4.3 U	8.4 U	3.9 U	4 U
Bromodichloromethane	75-27-4	NC	NC	9.9 U	4.9 U	4.3 U	8.4 U	3.9 U	4 U
Bromoform	75-25-2	NC	NC	9.9 U	4.9 UJ	4.3 UJ	8.4 UJ	3.9 UJ	4 UJ
Bromomethane	74-83-9	NC	NC	9.9 U	4.9 U	4.3 U	8.4 U	3.9 U	4 U
Carbon disulfide	75-15-0	100,000[CP]	NC	9.9 U	4.9 U	4.3 U	8.4 U	3.9 U	4 U
Carbon Tetrachloride	56-23-5	1400	2,400	9.9 U	4.9 U	4.3 U	8.4 U	3.9 U	4 U
Chlorobenzene	108-90-7	100,000	100,000	9.9 U	4.9 U	4.3 U	8.4 U	3.9 U	4 U
Chloroethane	75-00-3	NC	NC	9.9 UJ	4.9 U	4.3 U	8.4 U	3.9 U	4 U
Chloroform	67-66-3	10,000	49,000	9.9 U	4.9 U	4.3 U	8.4 U	3.9 U	4 U
Chloromethane	74-87-3	NC	NC	9.9 U	4.9 U	4.3 U	8.4 U	3.9 U	4 U
cis-1,2-Dichloroethene	156-59-2	59,000	100,000	9.9 U	4.9 U	4.3 U	8.4 U	3.9 U	4 U
Cis-1,3-Dichloropropene	10061-01-5	NC	NC	9.9 U	4.9 U	4.3 U	8.4 U	3.9 U	4 U
Cyclohexane	110-82-7	NC	NC	9.9 U	4.9 U	4.3 U	8.4 U	3.9 U	4 U
Dibromochloromethane	124-48-1	NC	NC	9.9 U	4.9 U	4.3 U	8.4 U	3.9 U	4 U
Dichlorodifluoromethane	75-71-8	NC	NC	9.9 U	4.9 U	4.3 U	8.4 U	3.9 U	4 U
Ethylbenzene	100-41-4	30,000	41,000	9.9 U	4.9 U	4.3 U	8.4 U	3.9 U	4 U
Isopropylbenzene	98-82-8	100,000[CP]	NC	9.9 U	4.9 U	4.3 U	8.4 U	3.9 U	4 U
m,p-Xylene	XYLMP	NC	NC	20 U	9.9 U	8.6 U	17 U	7.8 U	8 U
Methyl Acetate	79-20-9	NC	NC	9.9 U	4.9 U	4.3 U	8.4 UJ	3.9 UJ	4 UJ
Methylcyclohexane	108-87-2	NC	NC	9.9 U	4.9 U	4.3 U	8.4 U	3.9 U	4 U
Methylene Chloride	75-09-2	51,000	100,000	9.9 U	4.9 U	4.3 U	8.4 U	3.9 U	4 U
Methyl tert-butyl ether (MTBE)	1634-04-4	62,000	100,000	9.9 U	4.9 U	4.3 U	8.4 U	3.9 U	4 U
n-Butylbenzene	104-51-8	100,000	100,000	9.9 U	4.9 U	4.3 U	8.4 U	3.9 U	4 U
n-Propylbenzene	103-65-1	100,000	100,000	9.9 U	4.9 U	4.3 U	8.4 U	3.9 U	4 U
o-Xylene	95-47-6	NC	NC	9.9 U	4.9 U	4.3 U	8.4 U	3.9 U	4 U
sec-Butylbenzene	135-98-8	100,000	100,000	9.9 U	4.9 U	4.3 U	8.4 U	3.9 U	4 U
Styrene	100-42-5	NC	NC	9.9 U	4.9 U	4.3 U	8.4 U	3.9 U	4 U
Tert-Butylbenzene	98-06-6	100,000	100,000	9.9 U	4.9 U	4.3 U	8.4 U	3.9 U	4 U
Tetrachloroethene	127-18-4	5,500	19,000	9.9 U	4.9 U	4.3 U	8.4 U	3.9 U	4 U
Toluene	108-88-3	100,000	100,000	9.9 U	4.9 U	4.3 U	8.4 U	3.9 U	4 U
trans-1,2-Dichloroethene	156-60-5	100,000	100,000	9.9 U	4.9 U	4.3 U	8.4 U	3.9 U	4 U
Trans-1,3-Dichloropropene	10061-02-6	NC	NC	9.9 U	4.9 U	4.3 U	8.4 U	3.9 U	4 U
Trichloroethene	79-01-6	10,000	21,000	9.9 U	4.9 U	4.3 U	8.4 U	3.9 U	4 U
Trichlorofluoromethane	75-69-4	NC	NC	9.9 U	4.9 U	4.3 U	8.4 U	3.9 U	4 U
Trichlorotrifluoroethane	26523-64-8	NC	NC	9.9 U	4.9 U	4.3 U	8.4 U	3.9 U	4 U
Vinyl Chloride	75-01-4	210	900	9.9 U	4.9 U	4.3 U	8.4 U	3.9 U	4 U
TOTAL VOC TICs	NA	NC	NC	0	5.5	0	0	0	0

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.
Exceeds Residential Use SCO listed in Part 375 or CP-51
Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 8A - Subsurface Soil Results Compared to Restricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

			Sample Location	TP-116	TP-117	TP-118	TP-119	TP-120	TP-120
			Sample ID	TP-116-7-8-011516	TP-117-1.5-2-011516	TP-118-3.5-4-011516	TP-119-5-6-012616	DUP-009-012616	TP-120-4-4.5-012616
			Sample Date	1/15/2016	1/15/2016	1/15/2016	1/26/2016	1/26/2016	1/26/2016
			Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
			Lab SDG	R1600468	R1600468	R1600468	R1600634	R1600634	R1600634
			Start Depth	7	1.5	3.5	5	4	4
			End Depth	8	2	4	6	4.5	4.5
Chemical Name	**CAS #**	**NY Part 375 Residential SCO[1]**	**NY Part 375 Restricted Residential SCO[1]**						
VOCs									
1,1,1-Trichloroethane	71-55-6	100,000	100,000	7.2 U	4.6 U	6.6 U	4.2 U	3.1 U	2.9 U
1,1,2,2-Tetrachloroethane	79-34-5	35,000[CP]	NC	7.2 U	4.6 UJ	6.6 U	4.2 U	3.1 U	2.9 U
1,1,2-Trichloroethane	79-00-5	NC	NC	7.2 U	4.6 U	6.6 U	4.2 U	3.1 U	2.9 U
1,1-Dichloroethane	75-34-3	19,000	26,000	7.2 U	4.6 U	6.6 U	4.2 UJ	3.1 UJ	2.9 U
1,1-Dichloroethene	75-35-4	100,000	100,000	7.2 U	4.6 U	6.6 U	4.2 U	3.1 U	2.9 U
1,2,3-Trichlorobenzene	87-61-6	NC	NC	7.2 U	4.6 UJ	6.6 U	4.2 U	3.1 U	2.9 U
1,2,4-Trichlorobenzene	120-82-1	NC	NC	7.2 U	4.6 UJ	6.6 U	4.2 U	3.1 U	2.9 U
1,2,4-Trimethylbenzene	95-63-6	47,000	52,000	7.2 U	4.6 UJ	6.6 U	4.2 U	3.1 U	2.9 U
1,2-Dibromo-3-chloropropane	96-12-8	NC	NC	7.2 U	4.6 UJ	6.6 U	4.2 U	3.1 U	2.9 U
1,2-Dibromoethane	106-93-4	NC	NC	7.2 U	4.6 U	6.6 U	4.2 U	3.1 U	2.9 U
1,2-Dichlorobenzene	95-50-1	100,000	100,000	7.2 U	4.6 UJ	6.6 U	4.2 U	3.1 U	2.9 U
1,2-Dichloroethane	107-06-2	2,300	3,100	7.2 U	4.6 U	6.6 U	4.2 U	3.1 U	2.9 U
1,2-Dichloropropane	78-87-5	NC	NC	7.2 U	4.6 U	6.6 U	4.2 U	3.1 U	2.9 U
1,3,5-Trimethylbenzene	108-67-8	47,000	52,000	7.2 U	4.6 UJ	6.6 U	4.2 U	3.1 U	2.9 U
1,3-Dichlorobenzene	541-73-1	17,000	49,000	7.2 U	4.6 UJ	6.6 U	4.2 U	3.1 U	2.9 U
1,4-Dichlorobenzene	106-46-7	9,800	13,000	7.2 U	4.6 UJ	6.6 U	4.2 U	3.1 U	2.9 U
1,4-Dioxane	123-91-1	9,800	13,000	140 R	92 R	130 R	85 R	62 R	58 R
2-Butanone	78-93-3	100,000; 100,000[CP]	100,000	5.5 J	4.6 U	6.6 U	4.9	10	5.9
2-Hexanone	591-78-6	NC	NC	7.2 U	4.6 U	6.6 U	4.2 U	3.1 U	2.9 U
4-Isopropyltoluene	99-87-6	NC	NC	7.2 U	4.6 UJ	6.6 U	4.2 U	3.1 U	2.9 U
4-Methyl-2-Pentanone	108-10-1	NC	NC	7.2 U	4.6 U	6.6 U	4.2 U	3.1 U	2.9 U
Acetone	67-64-1	100,000	100,000	42	8.3	6.9	34 J	47 J	95 J
Benzene	71-43-2	2,900	4,800	7.2 U	4.6 U	6.6 U	4.2 U	0.45 J	2.9 U
Bromochloromethane	74-97-5	NC	NC	7.2 U	4.6 U	6.6 U	4.2 U	3.1 U	2.9 U
Bromodichloromethane	75-27-4	NC	NC	7.2 U	4.6 U	6.6 U	4.2 U	3.1 U	2.9 U
Bromoform	75-25-2	NC	NC	7.2 U	4.6 U	6.6 U	4.2 UJ	3.1 UJ	2.9 UJ
Bromomethane	74-83-9	NC	NC	7.2 U	4.6 U	6.6 U	4.2 U	3.1 U	2.9 U
Carbon disulfide	75-15-0	100,000[CP]	NC	7.2 U	4.6 U	6.6 U	4.2 U	3.1 U	2.9 U
Carbon Tetrachloride	56-23-5	1400	2,400	7.2 U	4.6 U	6.6 U	4.2 U	3.1 U	2.9 U
Chlorobenzene	108-90-7	100,000	100,000	7.2 U	4.6 U	6.6 U	4.2 U	3.1 U	2.9 U
Chloroethane	75-00-3	NC	NC	7.2 U	4.6 U	6.6 U	4.2 U	3.1 U	2.9 U
Chloroform	67-66-3	10,000	49,000	7.2 U	4.6 U	6.6 U	4.2 U	3.1 U	2.9 U
Chloromethane	74-87-3	NC	NC	7.2 U	4.6 U	6.6 U	4.2 U	3.1 U	2.9 U
cis-1,2-Dichloroethene	156-59-2	59,000	100,000	7.2 U	4.6 U	6.6 U	4.2 U	3.1 U	2.9 U
Cis-1,3-Dichloropropene	10061-01-5	NC	NC	7.2 U	4.6 U	6.6 U	4.2 U	3.1 U	2.9 U
Cyclohexane	110-82-7	NC	NC	7.2 U	4.6 U	6.6 U	4.2 U	3.1 U	2.9 U
Dibromochloromethane	124-48-1	NC	NC	7.2 U	4.6 U	6.6 U	4.2 U	3.1 U	2.9 U
Dichlorodifluoromethane	75-71-8	NC	NC	7.2 U	4.6 U	6.6 U	4.2 U	3.1 U	2.9 U
Ethylbenzene	100-41-4	30,000	41,000	7.2 U	4.6 U	6.6 U	4.2 U	3.1 U	2.9 U
Isopropylbenzene	98-82-8	100,000[CP]	NC	7.2 U	4.6 U	6.6 U	4.2 U	3.1 U	2.9 U
m,p-Xylene	XYLMP	NC	NC	14 U	9.2 U	13 U	8.5 U	1.8 J	5.8 U
Methyl Acetate	79-20-9	NC	NC	7.2 U	4.6 U	6.6 U	4.2 U	1.4 J	2.9 UJ
Methylcyclohexane	108-87-2	NC	NC	7.2 U	4.6 U	6.6 U	4.2 U	1.1 J	79 J
Methylene Chloride	75-09-2	51,000	100,000	7.2 U	4.6 U	6.6 U	4.2 U	3.1 U	0.63 J
Methyl tert-butyl ether (MTBE)	1634-04-4	62,000	100,000	7.2 U	4.6 U	6.6 U	4.2 U	3.1 U	2.9 U
n-Butylbenzene	104-51-8	100,000	100,000	7.2 U	4.6 UJ	6.6 U	4.2 U	3.1 U	2.9 U
n-Propylbenzene	103-65-1	100,000	100,000	7.2 U	4.6 UJ	6.6 U	4.2 U	3.1 U	2.9 U
o-Xylene	95-47-6	NC	NC	7.2 U	4.6 U	6.6 U	4.2 U	3.1 U	2.9 U
sec-Butylbenzene	135-98-8	100,000	100,000	7.2 U	4.6 UJ	6.6 U	4.2 U	3.1 U	2.9 U
Styrene	100-42-5	NC	NC	7.2 U	4.6 U	6.6 U	4.2 U	3.1 U	2.9 U
Tert-Butylbenzene	98-06-6	100,000	100,000	7.2 U	4.6 UJ	6.6 U	4.2 U	3.1 U	2.1 J
Tetrachloroethene	127-18-4	5,500	19,000	7.2 U	4.6 U	6.6 U	4.2 U	3.1 U	2.9 U
Toluene	108-88-3	100,000	100,000	7.2 U	4.6 U	6.6 U	4.2 U	0.92 J	2.9 U
trans-1,2-Dichloroethene	156-60-5	100,000	100,000	7.2 U	4.6 U	6.6 U	4.2 U	3.1 U	2.9 U
Trans-1,3-Dichloropropene	10061-02-6	NC	NC	7.2 U	4.6 U	6.6 U	4.2 U	3.1 U	2.9 U
Trichloroethene	79-01-6	10,000	21,000	7.2 U	4.6 U	6.6 U	4.2 U	3.1 U	2.9 U
Trichlorofluoromethane	75-69-4	NC	NC	7.2 U	4.6 U	6.6 U	4.2 U	3.1 U	2.9 U
Trichlorotrifluoroethane	26523-64-8	NC	NC	7.2 U	4.6 U	6.6 U	4.2 U	3.1 U	2.9 U
Vinyl Chloride	75-01-4	210	900	7.2 U	4.6 U	6.6 U	4.2 U	3.1 U	2.9 U
TOTAL VOC TICs	NA	NC	NC	0	0	20	100.6	0	994

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.

(green)	Exceeds Residential Use SCO listed in Part 375 or CP-51
(orange)	Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 8A - Subsurface Soil Results Compared to Restricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

			Sample Location	TP-121	TP-122	TP-123	TP-124	TP-125	TP-127
			Sample ID	TP-121-8-8.5-012616	TP-122-7-8-012716	TP-123-4.5-5-012616	TP-124-7.5-8-012616	TP-125-3-4-012716	TP-127-8-8.5-012716
			Sample Date	1/26/2016	1/27/2016	1/26/2016	1/26/2016	1/27/2016	1/27/2016
			Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
			Lab SDG	R1600634	R1600634	R1600634	R1600634	R1600634	R1600634
			Start Depth	8	7	4.5	7.5	3	8
			End Depth	8.5	8	5	8	4	8.5
Chemical Name	**CAS #**	**NY Part 375 Residential SCO[1]**	**NY Part 375 Restricted Residential SCO[1]**						
VOCs									
1,1,1-Trichloroethane	71-55-6	100,000	100,000	2.6 R	1.9 U	230 U	180 U	2.7 U	490 U
1,1,2,2-Tetrachloroethane	79-34-5	35,000[CP]	NC	2.6 R	1.9 U	230 U	180 U	2.7 U	490 U
1,1,2-Trichloroethane	79-00-5	NC	NC	2.6 R	1.9 U	230 U	180 U	2.7 U	490 U
1,1-Dichloroethane	75-34-3	19,000	26,000	2.6 R	1.9 UJ	230 U	180 U	2.7 UJ	490 U
1,1-Dichloroethene	75-35-4	100,000	100,000	2.6 R	1.9 U	230 U	180 U	2.7 U	490 U
1,2,3-Trichlorobenzene	87-61-6	NC	NC	2.6 R	1.9 U	230 U	180 U	2.7 U	490 U
1,2,4-Trichlorobenzene	120-82-1	NC	NC	2.6 R	1.9 U	230 U	180 U	2.7 U	490 U
1,2,4-Trimethylbenzene	95-63-6	47,000	52,000	2.6 R	0.25 J	250	130 J	2.7 U	490 U
1,2-Dibromo-3-chloropropane	96-12-8	NC	NC	2.6 R	1.9 U	230 U	180 U	2.7 U	490 U
1,2-Dibromoethane	106-93-4	NC	NC	2.6 R	1.9 U	230 U	180 U	2.7 U	490 U
1,2-Dichlorobenzene	95-50-1	100,000	100,000	2.6 R	1.9 U	230 U	180 U	2.7 U	490 U
1,2-Dichloroethane	107-06-2	2,300	3,100	2.6 R	1.9 U	230 U	180 U	2.7 U	490 U
1,2-Dichloropropane	78-87-5	NC	NC	2.6 R	1.9 U	230 U	180 U	2.7 U	490 U
1,3,5-Trimethylbenzene	108-67-8	47,000	52,000	2.6 R	1.9 U	210 J	120 J	2.7 U	490 U
1,3-Dichlorobenzene	541-73-1	17,000	49,000	2.6 R	1.9 U	230 U	180 U	2.7 U	490 U
1,4-Dichlorobenzene	106-46-7	9,800	13,000	2.6 R	1.9 U	230 U	180 U	2.7 U	490 U
1,4-Dioxane	123-91-1	9,800	13,000	51 R	38 R	4,600 R	3,700 R	54 R	9,700 R
2-Butanone	78-93-3	100,000; 100,000[CP]	100,000	3.8 J	5.4	230 U	180 UJ	1.4 J	240 J
2-Hexanone	591-78-6	NC	NC	2.6 R	1.9 U	230 U	180 U	2.7 U	490 U
4-Isopropyltoluene	99-87-6	NC	NC	2.6 R	1.9 U	230 U	180 U	2.7 U	490 U
4-Methyl-2-Pentanone	108-10-1	NC	NC	2.6 R	1.9 U	230 U	180 U	2.7 U	490 U
Acetone	67-64-1	100,000	100,000	26 J	31 J	230 U	180 U	12 J	490 U
Benzene	71-43-2	2,900	4,800	2.6 R	1.9 U	68 J	180 U	2.7 U	490 U
Bromochloromethane	74-97-5	NC	NC	2.6 R	1.9 U	230 U	180 U	2.7 U	490 U
Bromodichloromethane	75-27-4	NC	NC	2.6 R	1.9 U	230 U	180 U	2.7 U	490 U
Bromoform	75-25-2	NC	NC	2.6 UJ	1.9 UJ	230 U	180 U	2.7 UJ	490 U
Bromomethane	74-83-9	NC	NC	2.6 R	1.9 U	230 U	180 U	2.7 U	490 U
Carbon disulfide	75-15-0	100,000[CP]	NC	2.6 R	1.9 U	230 U	180 U	2.7 U	490 U
Carbon Tetrachloride	56-23-5	1400	2,400	2.6 R	1.9 U	230 U	180 U	2.7 U	490 U
Chlorobenzene	108-90-7	100,000	100,000	2.6 R	1.1 J	230 U	180 U	2.7 U	490 U
Chloroethane	75-00-3	NC	NC	2.6 R	1.9 U	230 U	180 U	2.7 U	490 U
Chloroform	67-66-3	10,000	49,000	2.6 R	1.9 U	230 U	180 U	2.7 U	490 U
Chloromethane	74-87-3	NC	NC	2.6 R	1.9 U	230 U	180 U	2.7 U	490 U
cis-1,2-Dichloroethene	156-59-2	59,000	100,000	2.6 R	1.9 U	230 U	180 U	2.7 U	490 U
Cis-1,3-Dichloropropene	10061-01-5	NC	NC	2.6 R	1.9 U	230 U	180 U	2.7 U	490 U
Cyclohexane	110-82-7	NC	NC	2.6 R	0.85 J	120 J	2100	2.7 U	490 U
Dibromochloromethane	124-48-1	NC	NC	2.6 R	1.9 U	230 U	180 U	2.7 U	490 U
Dichlorodifluoromethane	75-71-8	NC	NC	2.6 R	1.9 U	230 U	180 U	2.7 U	490 U
Ethylbenzene	100-41-4	30,000	41,000	2.6 R	1.9 U	160 J	180 U	2.7 U	490 U
Isopropylbenzene	98-82-8	100,000[CP]	NC	2.6 UJ	1.9 U	230 U	57 J	2.7 U	490 U
m,p-Xylene	XYLMP	NC	NC	5.1 R	3.8 U	2400	92 J	5.4 U	970 U
Methyl Acetate	79-20-9	NC	NC	2.6 R	1.9 U	230 U	180 U	2.7 U	230 J
Methylcyclohexane	108-87-2	NC	NC	1.5 J	2.1	570	6200	2.7 U	330 J
Methylene Chloride	75-09-2	51,000	100,000	1 J	1.9 U	230 U	180 U	2.7 U	490 U
Methyl tert-butyl ether (MTBE)	1634-04-4	62,000	100,000	2.6 R	1.9 U	230 U	180 U	2.7 U	490 U
n-Butylbenzene	104-51-8	100,000	100,000	2.6 R	1.9 U	230 U	180 U	2.7 U	490 U
n-Propylbenzene	103-65-1	100,000	100,000	2.6 R	1.9 U	42 J	40 J	2.7 U	490 U
o-Xylene	95-47-6	NC	NC	2.6 R	1.9 U	82 J	180 U	2.7 U	490 U
sec-Butylbenzene	135-98-8	100,000	100,000	2.6 R	1.9 U	230 U	51 J	2.7 U	490 U
Styrene	100-42-5	NC	NC	2.6 R	1.9 U	230 U	180 U	2.7 U	490 U
Tert-Butylbenzene	98-06-6	100,000	100,000	1.1 J	0.26 J	230 U	180 U	2.7 U	70 J
Tetrachloroethene	127-18-4	5,500	19,000	2.6 R	1.9 U	230 U	180 U	2.7 U	490 U
Toluene	108-88-3	100,000	100,000	2.6 R	1.9 U	500	180 U	2.7 U	490 U
trans-1,2-Dichloroethene	156-60-5	100,000	100,000	2.6 R	1.9 U	230 U	180 U	2.7 U	490 U
Trans-1,3-Dichloropropene	10061-02-6	NC	NC	2.6 R	1.9 U	230 U	180 U	2.7 U	490 U
Trichloroethene	79-01-6	10,000	21,000	2.6 R	1.9 U	230 U	180 U	2.7 U	490 U
Trichlorofluoromethane	75-69-4	NC	NC	2.6 R	1.9 U	230 U	180 U	2.7 U	490 U
Trichlorotrifluoroethane	26523-64-8	NC	NC	2.6 R	1.9 U	230 U	180 U	2.7 U	490 U
Vinyl Chloride	75-01-4	210	900	2.6 R	1.9 U	230 U	180 U	2.7 U	490 U
TOTAL VOC TICs	NA	NC	NC	19.7	30.6	2,510	10,060	0	9,080

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.
Exceeds Residential Use SCO listed in Part 375 or CP-51
Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 8A - Subsurface Soil Results Compared to Restricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

			Sample Location	TP-128	TP-129	TP-130	TP-132	TP-133	TP-134
			Sample ID	TP-128-5-6-012716	TP-129-4-4.5-012816	TP-130-9.5-10-012816	TP-132-3-3.5-012816	TP-133-6.5-7-012716	TP-134-5-6-012816
			Sample Date	1/27/2016	1/28/2016	1/28/2016	1/28/2016	1/27/2016	1/28/2016
			Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
			Lab SDG	R1600634	R1600810	R1600810	R1600810	R1600634	R1600810
			Start Depth	5	4	9.5	3	6.5	5
			End Depth	6	4.5	10	3.5	7	6
Chemical Name	**CAS #**	**NY Part 375 Residential SCO[1]**	**NY Part 375 Restricted Residential SCO[1]**						
VOCs									
1,1,1-Trichloroethane	71-55-6	100,000	100,000	7 U	2,400 U	7.2 U	2.8 U	5.5 U	6,300 U
1,1,2,2-Tetrachloroethane	79-34-5	35,000[CP]	NC	7 U	2,400 U	7.2 UJ	2.8 UJ	5.5 U	6,300 U
1,1,2-Trichloroethane	79-00-5	NC	NC	7 U	2,400 U	7.2 U	2.8 U	5.5 U	6,300 U
1,1-Dichloroethane	75-34-3	19,000	26,000	7 UJ	2,400 U	7.2 U	0.74 J	5.5 UJ	6,300 U
1,1-Dichloroethene	75-35-4	100,000	100,000	7 U	2,400 U	7.2 U	2.8 U	5.5 U	6,300 U
1,2,3-Trichlorobenzene	87-61-6	NC	NC	7 U	2,400 U	7.2 UJ	2.8 UJ	5.5 U	6,300 U
1,2,4-Trichlorobenzene	120-82-1	NC	NC	7 U	2,400 U	7.2 UJ	2.8 UJ	5.5 U	6,300 U
1,2,4-Trimethylbenzene	95-63-6	47,000	52,000	7 U	13,000	13 J	1.4 J	0.69 J	4,900 J
1,2-Dibromo-3-chloropropane	96-12-8	NC	NC	7 U	2,400 U	7.2 UJ	2.8 UJ	5.5 U	6,300 U
1,2-Dibromoethane	106-93-4	NC	NC	7 U	2,400 U	7.2 U	2.8 U	5.5 U	6,300 U
1,2-Dichlorobenzene	95-50-1	100,000	100,000	7 U	2,400 U	7.2 UJ	2.8 UJ	5.5 U	6,300 U
1,2-Dichloroethane	107-06-2	2,300	3,100	7 U	2,400 U	7.2 U	2.8 U	5.5 U	6,300 U
1,2-Dichloropropane	78-87-5	NC	NC	7 U	2,400 U	7.2 U	2.8 U	5.5 U	6,300 U
1,3,5-Trimethylbenzene	108-67-8	47,000	52,000	7 U	9,400	5 J	0.72 J	1.1 J	3,500 J
1,3-Dichlorobenzene	541-73-1	17,000	49,000	7 U	2,400 U	7.2 UJ	2.8 UJ	5.5 U	6,300 U
1,4-Dichlorobenzene	106-46-7	9,800	13,000	7 U	2,400 U	7.2 UJ	2.8 UJ	5.5 U	6,300 U
1,4-Dioxane	123-91-1	9,800	13,000	140 R	47,000 R	140 R	55 R	110 R	130,000 R
2-Butanone	78-93-3	100,000; 100,000[CP]	100,000	8.1	2,400 U	110	7.9	41	6,300 UJ
2-Hexanone	591-78-6	NC	NC	7 U	2,400 U	7.2 U	2.8 U	5.5 U	6,300 U
4-Isopropyltoluene	99-87-6	NC	NC	7 U	3,000	7.2 UJ	2.8 UJ	5.5 U	6,300 U
4-Methyl-2-Pentanone	108-10-1	NC	NC	7 U	2,400 U	7.2 U	2.8 U	5.5 U	6,300 U
Acetone	67-64-1	100,000	100,000	36 J	2,400 U	420 J	49 J	220 J	6,300 U
Benzene	71-43-2	2,900	4,800	7 U	2,400 U	10	1.6 J	5.5 U	6,300 U
Bromochloromethane	74-97-5	NC	NC	7 U	2,400 U	7.2 U	2.8 U	5.5 U	6,300 U
Bromodichloromethane	75-27-4	NC	NC	7 U	2,400 U	7.2 U	2.8 U	5.5 U	6,300 U
Bromoform	75-25-2	NC	NC	7 UJ	2,400 U	7.2 U	2.8 UJ	5.5 UJ	6,300 U
Bromomethane	74-83-9	NC	NC	7 U	2,400 U	7.2 U	2.8 U	5.5 U	6,300 U
Carbon disulfide	75-15-0	100,000[CP]	NC	12	2,400 U	15	2.8 U	5.5 U	6,300 U
Carbon Tetrachloride	56-23-5	1400	2,400	7 U	2,400 U	7.2 UJ	2.8 UJ	5.5 U	6,300 U
Chlorobenzene	108-90-7	100,000	100,000	7 U	2,400 U	7.2 U	2.8 U	5.5 U	6,300 U
Chloroethane	75-00-3	NC	NC	7 U	2,400 U	7.2 U	2.8 U	5.5 U	6,300 U
Chloroform	67-66-3	10,000	49,000	7 U	2,400 U	7.2 U	2.8 U	5.5 U	6,300 U
Chloromethane	74-87-3	NC	NC	7 U	2,400 U	7.2 U	2.8 U	5.5 U	6,300 U
cis-1,2-Dichloroethene	156-59-2	59,000	100,000	7 U	2,400 U	7.2 U	2.8 U	5.5 U	6,300 U
Cis-1,3-Dichloropropene	10061-01-5	NC	NC	7 U	2,400 U	7.2 U	2.8 U	5.5 U	6,300 U
Cyclohexane	110-82-7	NC	NC	7 U	7,300	49	10	5.5 U	9,800
Dibromochloromethane	124-48-1	NC	NC	7 U	2,400 U	7.2 U	2.8 U	5.5 U	6,300 U
Dichlorodifluoromethane	75-71-8	NC	NC	7 U	2,400 U	7.2 UJ	2.8 UJ	5.5 U	6,300 U
Ethylbenzene	100-41-4	30,000	41,000	7 U	2,400 U	2.9 J	0.32 J	5.5 U	6,300 U
Isopropylbenzene	98-82-8	100,000[CP]	NC	7 U	2,500	7.2 U	2.8 UJ	5.5 U	6,300 U
m,p-Xylene	XYLMP	NC	NC	14 U	12,000	15	1.9 J	1.3 J	5,900 J
Methyl Acetate	79-20-9	NC	NC	7 U	2,400 U	9.9	2.8 U	2.7 J	6,300 U
Methylcyclohexane	108-87-2	NC	NC	5 J	25,000	79	12	87	59,000
Methylene Chloride	75-09-2	51,000	100,000	0.95 J	2,400 U	7.2 U	2.8 U	5.5 U	6,300 U
Methyl tert-butyl ether (MTBE)	1634-04-4	62,000	100,000	7 U	2,400 U	7.2 U	2.8 U	5.5 U	6,300 U
n-Butylbenzene	104-51-8	100,000	100,000	7 U	2,400 U	7.2 UJ	2.8 UJ	5.5 U	6,300 U
n-Propylbenzene	103-65-1	100,000	100,000	7 U	2,500	7.2 UJ	2.8 UJ	5.5 U	6,300 U
o-Xylene	95-47-6	NC	NC	7 U	2,400 U	6.3 J	0.59 J	5.5 U	6,300 U
sec-Butylbenzene	135-98-8	100,000	100,000	7 U	540 J	7.2 UJ	2.8 UJ	5.5 U	6,300 U
Styrene	100-42-5	NC	NC	7 U	2,400 U	7.2 U	2.8 U	5.5 U	6,300 U
Tert-Butylbenzene	98-06-6	100,000	100,000	7 U	2,400 U	3.9 J	2.8 UJ	1.2 J	6,300 U
Tetrachloroethene	127-18-4	5,500	19,000	7 U	2,400 U	7.2 U	2.8 U	5.5 U	6,300 U
Toluene	108-88-3	100,000	100,000	7 U	2,400 U	16	1.9 J	5.5 U	6,300 U
trans-1,2-Dichloroethene	156-60-5	100,000	100,000	7 U	2,400 U	7.2 U	2.8 U	5.5 U	6,300 U
Trans-1,3-Dichloropropene	10061-02-6	NC	NC	7 U	2,400 U	7.2 U	2.8 U	5.5 U	6,300 U
Trichloroethene	79-01-6	10,000	21,000	7 U	2,400 U	7.2 U	2.8 U	5.5 U	6,300 U
Trichlorofluoromethane	75-69-4	NC	NC	7 U	2,400 U	7.2 U	2.8 U	5.5 U	6,300 U
Trichlorotrifluoroethane	26523-64-8	NC	NC	7 U	2,400 U	7.2 U	2.8 U	5.5 U	6,300 U
Vinyl Chloride	75-01-4	210	900	7 U	2,400 U	7.2 U	2.8 U	5.5 U	6,300 U
TOTAL VOC TICs	NA	NC	NC	21.7	89,000	1,479	198.7	913	29,500

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.

	Exceeds Residential Use SCO listed in Part 375 or CP-51
	Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 8A - Subsurface Soil Results Compared to Restricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

			Sample Location	TP-136	TP-137	TP-138	TP-140[BB]	TP-141	TP-143
			Sample ID	TP-136-8-8.5-012916	TP-137-9.5-10-012916	TP-138-5-6-011516	TP-140-2.5-3-011416	TP-141-4-5-011416	TP-143-4-6.5-011416
			Sample Date	1/29/2016	1/29/2016	1/15/2016	1/14/2016	1/14/2016	1/14/2016
			Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
			Lab SDG	R1600810	R1600810	R1600468	R1600423	R1600423	R1600423
			Start Depth	8	9.5	5	2.5	4	4
			End Depth	8.5	10	6	3	5	6.5
Chemical Name	**CAS #**	**NY Part 375 Residential SCO[1]**	**NY Part 375 Restricted Residential SCO[1]**						
VOCs									
1,1,1-Trichloroethane	71-55-6	100,000	100,000	1.8 U	4.3 U	190 U	1.1 J	3.3 U	4.4 U
1,1,2,2-Tetrachloroethane	79-34-5	35,000[CP]	NC	1.8 U	4.3 U	190 U	6.8 U	3.3 U	4.4 UJ
1,1,2-Trichloroethane	79-00-5	NC	NC	1.8 U	4.3 U	190 U	6.8 U	3.3 U	4.4 U
1,1-Dichloroethane	75-34-3	19,000	26,000	1.8 U	4.3 U	190 U	6.8 U	3.3 U	4.4 U
1,1-Dichloroethene	75-35-4	100,000	100,000	1.8 U	4.3 U	190 U	6.8 U	3.3 U	4.4 U
1,2,3-Trichlorobenzene	87-61-6	NC	NC	1.8 U	4.3 U	190 U	6.8 U	3.3 U	4.4 UJ
1,2,4-Trichlorobenzene	120-82-1	NC	NC	1.8 U	4.3 U	190 U	6.8 U	3.3 U	4.4 UJ
1,2,4-Trimethylbenzene	95-63-6	47,000	52,000	1.8 U	4.3 U	190 U	6.8 U	3.3 U	4.4 UJ
1,2-Dibromo-3-chloropropane	96-12-8	NC	NC	1.8 U	4.3 U	190 UJ	6.8 U	3.3 U	4.4 UJ
1,2-Dibromoethane	106-93-4	NC	NC	1.8 U	4.3 U	190 U	6.8 U	3.3 U	4.4 U
1,2-Dichlorobenzene	95-50-1	100,000	100,000	1.8 U	4.3 U	190 U	6.8 U	3.3 U	4.4 UJ
1,2-Dichloroethane	107-06-2	2,300	3,100	1.8 U	4.3 U	190 U	6.8 U	3.3 U	4.4 U
1,2-Dichloropropane	78-87-5	NC	NC	1.8 U	4.3 U	190 U	6.8 U	3.3 U	4.4 U
1,3,5-Trimethylbenzene	108-67-8	47,000	52,000	1.8 U	4.3 U	190 U	6.8 U	3.3 U	4.4 UJ
1,3-Dichlorobenzene	541-73-1	17,000	49,000	1.8 U	4.3 U	190 U	6.8 U	3.3 U	4.4 UJ
1,4-Dichlorobenzene	106-46-7	9,800	13,000	1.8 U	4.3 U	190 U	6.8 U	3.3 U	4.4 UJ
1,4-Dioxane	123-91-1	9,800	13,000	36 R	86 R	3,800 R	NA	NA	NA
2-Butanone	78-93-3	100,000; 100,000[CP]	100,000	1.3 J	15	100 J	6.8 U	3.3 U	11
2-Hexanone	591-78-6	NC	NC	1.8 U	4.3 U	190 U	6.8 U	3.3 U	4.4 U
4-Isopropyltoluene	99-87-6	NC	NC	1.8 U	4.3 U	190 U	6.8 U	3.3 U	4.4 UJ
4-Methyl-2-Pentanone	108-10-1	NC	NC	1.8 U	4.3 U	190 U	6.8 U	3.3 U	4.4 U
Acetone	67-64-1	100,000	100,000	8.2 UJ	76 J	190 U	13	3.8 J	48
Benzene	71-43-2	2,900	4,800	1.8 U	4.3 U	190 U	6.8 U	3.3 U	4.4 U
Bromochloromethane	74-97-5	NC	NC	1.8 U	4.3 U	190 U	6.8 U	3.3 U	4.4 U
Bromodichloromethane	75-27-4	NC	NC	1.8 U	4.3 U	190 U	6.8 U	3.3 U	4.4 U
Bromoform	75-25-2	NC	NC	1.8 UJ	4.3 UJ	190 U	6.8 U	3.3 U	4.4 U
Bromomethane	74-83-9	NC	NC	1.8 U	4.3 U	190 U	6.8 U	3.3 U	4.4 U
Carbon disulfide	75-15-0	100,000[CP]	NC	2	6.6	190 U	6.8 U	3.3 U	4.4 U
Carbon Tetrachloride	56-23-5	1400	2,400	1.8 UJ	4.3 UJ	190 UJ	6.8 U	3.3 U	4.4 U
Chlorobenzene	108-90-7	100,000	100,000	1.8 U	4.3 U	190 U	6.8 U	3.3 U	4.4 U
Chloroethane	75-00-3	NC	NC	1.8 U	4.3 U	190 U	6.8 U	3.3 U	4.4 U
Chloroform	67-66-3	10,000	49,000	1.8 U	4.3 U	190 U	6.8 U	3.3 U	4.4 U
Chloromethane	74-87-3	NC	NC	1.8 U	4.3 U	190 U	6.8 U	3.3 U	4.4 U
cis-1,2-Dichloroethene	156-59-2	59,000	100,000	1.8 U	4.3 U	190 U	6.8 U	3.3 U	4.4 U
Cis-1,3-Dichloropropene	10061-01-5	NC	NC	1.8 U	4.3 U	190 U	6.8 U	3.3 U	4.4 U
Cyclohexane	110-82-7	NC	NC	1.8 U	4.3 U	190 UJ	6.8 U	3.3 U	4.4 U
Dibromochloromethane	124-48-1	NC	NC	1.8 U	4.3 U	190 U	6.8 U	3.3 U	4.4 U
Dichlorodifluoromethane	75-71-8	NC	NC	1.8 UJ	4.3 UJ	190 U	6.8 U	3.3 U	4.4 U
Ethylbenzene	100-41-4	30,000	41,000	1.8 U	4.3 U	190 U	6.8 U	3.3 U	4.4 U
Isopropylbenzene	98-82-8	100,000[CP]	NC	1.8 U	4.3 U	190 U	6.8 U	3.3 U	4.4 U
m,p-Xylene	XYLMP	NC	NC	3.6 U	8.6 U	380 U	14 U	6.6 U	8.9 U
Methyl Acetate	79-20-9	NC	NC	1.8 U	4.3 U	190 U	6.8 U	3.3 U	4.4 U
Methylcyclohexane	108-87-2	NC	NC	1.8 U	4.3 U	190 U	6.8 U	3.3 U	4.4 U
Methylene Chloride	75-09-2	51,000	100,000	1.8 U	4.3 U	190 U	6.8 U	3.3 U	4.4 U
Methyl tert-butyl ether (MTBE)	1634-04-4	62,000	100,000	1.8 U	4.3 U	190 U	6.8 U	3.3 U	4.4 U
n-Butylbenzene	104-51-8	100,000	100,000	1.8 U	4.3 U	190 U	6.8 U	3.3 U	4.4 UJ
n-Propylbenzene	103-65-1	100,000	100,000	1.8 U	4.3 U	190 U	6.8 U	3.3 U	4.4 UJ
o-Xylene	95-47-6	NC	NC	1.8 U	4.3 U	190 U	6.8 U	3.3 U	4.4 U
sec-Butylbenzene	135-98-8	100,000	100,000	1.8 U	4.3 U	140 J	6.8 U	3.3 U	4.4 UJ
Styrene	100-42-5	NC	NC	1.8 U	4.3 U	190 U	6.8 U	3.3 U	4.4 U
Tert-Butylbenzene	98-06-6	100,000	100,000	1.8 U	4.3 U	45 J	6.8 U	3.3 U	4.4 UJ
Tetrachloroethene	127-18-4	5,500	19,000	1.8 U	4.3 U	190 U	6.8 U	3.3 U	4.4 U
Toluene	108-88-3	100,000	100,000	1.8 U	4.3 U	190 U	6.8 U	3.3 U	4.4 U
trans-1,2-Dichloroethene	156-60-5	100,000	100,000	1.8 U	4.3 U	190 U	6.8 U	3.3 U	4.4 U
Trans-1,3-Dichloropropene	10061-02-6	NC	NC	1.8 U	4.3 U	190 U	6.8 U	3.3 U	4.4 U
Trichloroethene	79-01-6	10,000	21,000	1.8 U	4.3 U	190 U	6.8 U	3.3 U	4.4 U
Trichlorofluoromethane	75-69-4	NC	NC	1.8 U	4.3 U	190 U	6.8 U	3.3 U	4.4 U
Trichlorotrifluoroethane	26523-64-8	NC	NC	1.8 U	4.3 U	190 U	6.8 U	3.3 U	4.4 U
Vinyl Chloride	75-01-4	210	900	1.8 U	4.3 U	190 U	6.8 U	3.3 U	4.4 U
TOTAL VOC TICs	NA	NC	NC	2.8	568	37,800	0	0	0

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.
Exceeds Residential Use SCO listed in Part 375 or CP-51
Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 8A - Subsurface Soil Results Compared to Restricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

			Sample Location	TP-148	TP-150[BB]	TP-152
			Sample ID	TP-148-2-2.5-012516	TP-150-4-6-011316	TP-152-2.5-3-012916
			Sample Date	1/25/2016	1/13/2016	1/29/2016
			Unit	µg/kg	µg/kg	µg/kg
			Lab SDG	R1600634	R1600375	R1600810
			Start Depth	2	4	2.5
			End Depth	2.5	6	3
Chemical Name	CAS #	NY Part 375 Residential SCO[1]	NY Part 375 Restricted Residential SCO[1]			
VOCs						
1,1,1-Trichloroethane	71-55-6	100,000	100,000	5 U	13 U	4.1 U
1,1,2,2-Tetrachloroethane	79-34-5	35,000[CP]	NC	5 U	13 U	4.1 U
1,1,2-Trichloroethane	79-00-5	NC	NC	5 U	13 U	4.1 U
1,1-Dichloroethane	75-34-3	19,000	26,000	5 UJ	13 U	4.1 U
1,1-Dichloroethene	75-35-4	100,000	100,000	5 U	13 U	4.1 U
1,2,3-Trichlorobenzene	87-61-6	NC	NC	5 U	13 U	4.1 U
1,2,4-Trichlorobenzene	120-82-1	NC	NC	5 U	13 U	4.1 U
1,2,4-Trimethylbenzene	95-63-6	47,000	52,000	5 U	13 U	2.2 J
1,2-Dibromo-3-chloropropane	96-12-8	NC	NC	5 U	13 U	4.1 U
1,2-Dibromoethane	106-93-4	NC	NC	5 U	13 U	4.1 U
1,2-Dichlorobenzene	95-50-1	100,000	100,000	5 U	13 U	4.1 U
1,2-Dichloroethane	107-06-2	2,300	3,100	5 U	13 U	4.1 U
1,2-Dichloropropane	78-87-5	NC	NC	5 U	13 U	4.1 U
1,3,5-Trimethylbenzene	108-67-8	47,000	52,000	5 U	13 U	0.89 J
1,3-Dichlorobenzene	541-73-1	17,000	49,000	5 U	13 U	4.1 U
1,4-Dichlorobenzene	106-46-7	9,800	13,000	5 U	13 U	4.1 U
1,4-Dioxane	123-91-1	9,800	13,000	100 R	NA	81 R
2-Butanone	78-93-3	100,000; 100,000[CP]	100,000	3.4 J	13 U	5.5
2-Hexanone	591-78-6	NC	NC	5 U	13 U	4.1 U
4-Isopropyltoluene	99-87-6	NC	NC	5 U	13 U	4.1 U
4-Methyl-2-Pentanone	108-10-1	NC	NC	5 U	13 U	4.1 U
Acetone	67-64-1	100,000	100,000	24 J	17	27 J
Benzene	71-43-2	2,900	4,800	5 U	13 U	4.6
Bromochloromethane	74-97-5	NC	NC	5 U	13 U	4.1 U
Bromodichloromethane	75-27-4	NC	NC	5 U	13 U	4.1 U
Bromoform	75-25-2	NC	NC	5 UJ	13 U	4.1 UJ
Bromomethane	74-83-9	NC	NC	5 U	13 U	4.1 U
Carbon disulfide	75-15-0	100,000[CP]	NC	5 U	13 U	4.1 U
Carbon Tetrachloride	56-23-5	1400	2,400	5 U	13 U	4.1 UJ
Chlorobenzene	108-90-7	100,000	100,000	5 U	13 U	4.1 U
Chloroethane	75-00-3	NC	NC	5 U	13 U	4.1 U
Chloroform	67-66-3	10,000	49,000	5 U	13 U	4.1 U
Chloromethane	74-87-3	NC	NC	5 U	13 U	4.1 U
cis-1,2-Dichloroethene	156-59-2	59,000	100,000	5 U	13 U	4.1 U
Cis-1,3-Dichloropropene	10061-01-5	NC	NC	5 U	13 U	4.1 U
Cyclohexane	110-82-7	NC	NC	5 U	13 U	23
Dibromochloromethane	124-48-1	NC	NC	5 U	13 U	4.1 UJ
Dichlorodifluoromethane	75-71-8	NC	NC	5 U	13 U	4.1 U
Ethylbenzene	100-41-4	30,000	41,000	5 U	13 U	1 J
Isopropylbenzene	98-82-8	100,000[CP]	NC	5 U	13 U	4.1 U
m,p-Xylene	XYLMP	NC	NC	10 U	26 U	4.6 J
Methyl Acetate	79-20-9	NC	NC	5 U	13 U	4.1 U
Methylcyclohexane	108-87-2	NC	NC	5 U	13 U	22
Methylene Chloride	75-09-2	51,000	100,000	5 U	13 U	4.1 UJ
Methyl tert-butyl ether (MTBE)	1634-04-4	62,000	100,000	5 U	13 U	4.1 U
n-Butylbenzene	104-51-8	100,000	100,000	5 U	13 U	4.1 U
n-Propylbenzene	103-65-1	100,000	100,000	5 U	13 U	4.1 U
o-Xylene	95-47-6	NC	NC	5 U	13 U	1.5 J
sec-Butylbenzene	135-98-8	100,000	100,000	5 U	13 U	4.1 U
Styrene	100-42-5	NC	NC	5 U	13 U	4.1 U
Tert-Butylbenzene	98-06-6	100,000	100,000	5 U	13 U	4.1 U
Tetrachloroethene	127-18-4	5,500	19,000	5 U	13 U	4.1 U
Toluene	108-88-3	100,000	100,000	5 U	13 U	6.8
trans-1,2-Dichloroethene	156-60-5	100,000	100,000	5 U	13 U	4.1 U
Trans-1,3-Dichloropropene	10061-02-6	NC	NC	5 U	13 U	4.1 U
Trichloroethene	79-01-6	10,000	21,000	5 U	13 U	4.1 U
Trichlorofluoromethane	75-69-4	NC	NC	5 U	13 U	4.1 U
Trichlorotrifluoroethane	26523-64-8	NC	NC	5 U	13 U	4.1 U
Vinyl Chloride	75-01-4	210	900	5 U	13 U	4.1 U
TOTAL VOC TICs	NA	NC	NC	0	0	230.7

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.

	Exceeds Residential Use SCO listed in Part 375 or CP-51
	Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 8B - Subsurface Soil Results Compared to Restricted SCOs
SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

			Sample Location	OVR-100	OVR-107	OVR-108	OVR-109	OVR-109	OVR-116	OVR-117
			Sample ID	OVR-100-6-7-04222016	OVR-107-10-11-041216	OVR-108-4.1-5.4-041316	DUP-004-041116	OVR-109-10-11.8-041116	OVR-116-10-11.9-040116	OVR-117-7-7.6-040716
			Sample Date	4/22/2016	4/12/2016	4/13/2016	4/11/2016	4/11/2016	4/1/2016	4/7/2016
			Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
			Lab SDG	2139069	2136537	2139069	2136537	2136537	2136532	2136537
			Start Depth	6	10	4.1	10	10	10	7
			End Depth	7	11	5.4	11.8	11.8	11.9	7.6
Chemical Name	**CAS #**	**NY Part 375 Residential SCO[1]**	**NY Part 375 Restricted Residential SCO[1]**							
SVOCs										
1,1'-Biphenyl	92-52-4	NC	NC	35.2	121 U	126 U	118 U	133 U	117 U	18,800
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	NC	140 U	121 U	126 U	118 U	133 U	117 U	2,080 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	NC	280 U	242 U	252 U	237 U	266 U	234 U	4,150 R
2,4,5-Trichlorophenol	95-95-4	100,000[CP]	NC	280 U	242 U	252 U	237 U	266 U	234 U	4,150 R
2,4,6-Trichlorophenol	88-06-2	NC	NC	280 U	242 U	252 U	237 U	266 U	234 U	4,150 R
2,4-Dichlorophenol	120-83-2	100,000[CP]	NC	280 U	242 U	252 U	237 U	266 U	234 U	4,150 R
2,4-Dimethylphenol	105-67-9	NC	NC	280 U	242 U	252 U	237 U	266 U	234 U	4,150 R
2,4-Dinitrophenol	51-28-5	100,000[CP]	NC	490 U	423 U	441 U	414 U	465 U	409 U	7,260 R
2,4-Dinitrotoluene	121-14-2	NC	NC	140 U	121 U	126 U	118 U	133 U	117 U	2,080 U
2,6-Dinitrotoluene	606-20-2	1,030[CP]	NC	140 U	121 U	126 U	118 U	133 U	117 U	2,080 U
2-Chloronaphthalene	91-58-7	NC	NC	140 U	121 U	126 U	118 U	133 U	117 U	2,080 U
2-Chlorophenol	95-57-8	100,000[CP]	NC	280 U	242 U	252 U	237 U	266 U	234 U	4,150 R
2-Methylnaphthalene	91-57-6	*410* [CP]	NC	222	121 U	126 U	23.9	133 U	117 U	30,600
2-Methylphenol	95-48-7	100,000	100,000	280 U	242 U	252 U	237 U	266 U	234 U	4,150 R
2-Nitroaniline	88-74-4	NC	NC	280 U	242 U	252 U	237 U	266 U	234 U	4,150 U
2-Nitrophenol	88-75-5	NC	NC	280 U	242 U	252 U	237 U	266 U	234 U	4,150 R
3,3-Dichlorobenzidine	91-94-1	NC	NC	280 U	242 U	252 U	237 U	266 U	234 U	4,150 U
3-Nitroaniline	99-09-2	NC	NC	280 U	242 U	252 U	237 U	266 U	234 U	4,150 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	NC	280 U	242 U	252 U	237 U	266 U	234 U	4,150 R
4-Bromophenyl-phenylether	101-55-3	NC	NC	140 U	121 U	126 U	118 U	133 U	117 U	2,080 U
4-Chloro-3-methylphenol	59-50-7	NC	NC	280 U	242 U	252 U	237 U	266 U	234 U	4,150 R
4-Chloroaniline	106-47-8	100,000[CP]	NC	280 U	242 U	252 U	237 U	266 U	234 U	4,150 U
4-Chlorophenyl-phenylether	7005-72-3	NC	NC	140 U	121 U	126 U	118 U	133 U	117 U	2,080 U
4-Nitroaniline	100-01-6	NC	NC	280 U	242 U	252 U	237 U	266 U	234 U	4,150 U
4-Nitrophenol	100-02-7	NC	NC	280 U	242 U	252 U	237 U	266 U	234 U	4,150 R
Acenaphthene	83-32-9	100,000	100,000	46	60.5 U	63 U	26	66.5 U	58.5 U	4,080
Acenaphthylene	208-96-8	100,000	100,000	70 U	60.5 U	63 U	16.5	66.5 U	58.5 U	32,300
Acetophenone	98-86-2	NC	NC	140 U	121 U	126 U	118 U	133 U	117 U	2,080 U
Anthracene	120-12-7	100,000	100,000	87.8	60.5 U	63 U	68.4	66.5 U	58.5 U	10,800
Atrazine	1912-24-9	NC	NC	140 U	121 U	126 U	118 U	133 U	117 U	2,080 U
Benzaldehyde	100-52-7	NC	NC	92.1	242 U	252 U	237 U	266 U	234 U	4,150 U
Benzidine	92-87-5	NC	NC	280 U	242 U	252 U	237 U	266 U	234 U	4,150 U
Benzo[a]anthracene	56-55-3	1,000	1,000	359	60.5 U	63 U	152	66.5 U	58.5 U	6,230
Benzo[a]pyrene	50-32-8	1,000	1,000	187	60.5 U	63 U	129	66.5 U	58.5 U	7,490
Benzo[b]fluoranthene	205-99-2	1,000	1,000	270	60.5 U	63 U	172	66.5 U	58.5 U	6,000
Benzo[g,h,i]perylene	191-24-2	100,000	100,000	161	60.5 U	63 U	92.6	66.5 U	58.5 U	5,110
Benzo[k]fluoranthene	207-08-9	1,000	3,900	87.1	60.5 U	63 U	61.1	66.5 U	58.5 U	2,070
Bis(2-Chloroethoxy)methane	111-91-1	NC	NC	140 U	121 U	126 U	118 U	133 U	117 U	2,080 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	NC	140 U	121 U	126 U	118 U	133 U	117 U	2,080 U
Bis(2-Chloroisopropyl)ether	108-60-1	NC	NC	140 U	121 U	126 U	118 U	133 U	117 U	2,080 U
Bis(2-Ethylhexyl)phthalate	117-81-7	50,000[CP]	NC	350 U	302 U	315 U	296 U	332 U	292 U	5,190 U
Butylbenzylphthalate	85-68-7	100,000[CP]	NC	140 U	121 U	126 U	118 U	133 U	117 U	2,080 U
Caprolactam	105-60-2	NC	NC	280 U	242 U	252 U	237 U	266 U	234 U	4,150 U
Carbazole	86-74-8	NC	NC	50.5	121 U	126 U	29	133 U	117 U	2,080 U
Chrysene	218-01-9	1,000	3,900	498	60.5 U	63 U	170	66.5 U	58.5 U	7,840
Dibenzo[a,h]Anthracene	53-70-3	330	330	68.2	60.5 U	63 U	28.8	66.5 U	58.5 U	464
Dibenzofuran	132-64-9	14,000	59,000	93.7	121 U	126 U	118 U	133 U	117 U	2,080 U
Diethylphthalate	84-66-2	100,000[CP]	NC	140 U	121 U	126 U	118 U	133 U	117 U	2,080 U
Dimethylphthalate	131-11-3	100,000[CP]	NC	140 U	121 U	126 U	118 U	133 U	117 U	2,080 U
Di-n-butylphthalate	84-74-2	100,000[CP]	NC	140 U	121 U	126 U	118 U	133 U	117 U	2,080 U
Di-n-octylphthalate	117-84-0	100,000[CP]	NC	140 U	121 U	126 U	118 U	133 U	117 U	2,080 U
Fluoranthene	206-44-0	100,000	100,000	446	60.5 U	63 U	312	40.6	58.5 U	19,600
Fluorene	86-73-7	100,000	100,000	82.1	60.5 U	63 U	42.1	66.5 U	58.5 U	14,000
Hexachlorobenzene	118-74-1	330, 410[CP]	1,200	140 U	121 U	126 U	118 U	133 U	117 U	2,080 U
Hexachlorobutadiene	87-68-3	NC	NC	140 U	121 U	126 U	118 U	133 U	117 U	2,080 U
Hexachlorocyclopentadiene	77-47-4	NC	NC	280 U	242 U	252 U	237 U	266 U	234 U	4,150 U
Hexachloroethane	67-72-1	NC	NC	140 U	121 U	126 U	118 U	133 U	117 U	2,080 U
Indeno[1,2,3-cd]pyrene	193-39-5	500	500	155	60.5 U	63 U	99.1	66.5 U	58.5 U	3,920
Isophorone	78-59-1	100,000[CP]	NC	140 U	121 U	126 U	118 U	133 U	117 U	2,080 U
m-Cresol & p-Cresol	MEPH1314	NC	NC	67.4	242 U	252 U	237 U	266 U	234 U	4,150 R
Naphthalene	91-20-3	100,000	100,000	177	60.5 U	63 U	39.4	66.5 U	58.5 U	359,000
Nitrobenzene	98-95-3	3700[CP]	NC	140 U	121 U	126 U	118 U	133 U	117 U	2,080 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	NC	140 U	121 U	126 U	118 U	133 U	117 U	2,080 U
N-Nitrosodiphenylamine	86-30-6	NC	NC	140 U	121 U	126 U	118 U	133 U	117 U	2,080 U
Pentachlorophenol	87-86-5	2,400	6,700	280 U	242 U	252 U	237 U	266 U	234 U	4,150 U
Phenanthrene	85-01-8	100,000	100,000	582	60.5 U	63 U	302	63.8	58.5 U	45,800
Phenol	108-95-2	100,000	100,000	280 U	242 U	252 U	237 U	266 U	234 U	957
Pyrene	129-00-0	100,000	100,000	462	60.5 U	63 U	262	39.6	58.5 U	25,800
Pyridine	110-86-1	NC	NC	280 U	242 U	252 U	237 U	266 U	234 U	4,150 U
Total SVOC TICs	NA	NC	NC	30,884	NT	3,701	1,083	6,472	NT	718,100

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.

(green)	Exceeds Residential Use SCO listed in Part 375 or CP-51
(orange)	Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 8B - Subsurface Soil Results Compared to Restricted SCOs
SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

					fill		fill			fill
			Sample Location	OVR-118	SB-100	SB-101	SB-103	SB-104	SB-105	SB-106
			Sample ID	OVR-118-0.5-1-041316	SB-100-9-10-031016	SB-101-12.5-14-031016	SB-103-4.8-5.8-030416	SB-104-12-13-030316	SB-105-11-12-031016	SB-106-5-6-030316
			Sample Date	4/13/2016	3/10/2016	3/10/2016	3/4/2016	3/3/2016	3/10/2016	3/3/2016
			Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
			Lab SDG	2139069	2130254	2130254	2129473	2129473	2130254	2129473
			Start Depth	0.5	9	12.5	4.8	12	11	5
			End Depth	1	10	14	5.8	13	12	6
Chemical Name	**CAS #**	**NY Part 375 Residential SCO[1]**	**NY Part 375 Restricted Residential SCO[1]**							
SVOCs										
1,1'-Biphenyl	92-52-4	NC	NC	27.2	147 U	128 U	154	118 U	156 U	53
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	NC	111 U	147 U	128 U	121 U	118 U	156 U	124 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	NC	222 U	295 U	255 U	242 U	236 U	312 U	248 U
2,4,5-Trichlorophenol	95-95-4	100,000 CP	NC	222 U	295 U	255 U	242 U	236 U	312 U	248 U
2,4,6-Trichlorophenol	88-06-2	NC	NC	222 U	295 U	255 U	242 U	236 U	312 U	248 U
2,4-Dichlorophenol	120-83-2	100,000 CP	NC	222 U	295 U	255 U	242 U	236 U	312 U	248 U
2,4-Dimethylphenol	105-67-9	NC	NC	222 U	295 U	255 U	242 U	236 U	312 U	248 U
2,4-Dinitrophenol	51-28-5	100,000 CP	NC	389 U	515 U	447 U	424 U	413 U	546 U	433 U
2,4-Dinitrotoluene	121-14-2	NC	NC	111 U	147 U	128 U	121 U	118 U	156 U	124 U
2,6-Dinitrotoluene	606-20-2	1,030 CP	NC	111 U	147 U	128 U	121 U	118 U	156 U	124 U
2-Chloronaphthalene	91-58-7	NC	NC	111 U	147 U	128 U	121 U	118 U	156 U	124 U
2-Chlorophenol	95-57-8	100,000 CP	NC	222 U	295 U	255 U	242 U	236 U	312 U	248 U
2-Methylnaphthalene	91-57-6	*410* CP	NC	402	73.2	128 U	526	118 U	156 U	113
2-Methylphenol	95-48-7	100,000	100,000	222 U	295 U	255 U	242 U	236 U	312 U	248 U
2-Nitroaniline	88-74-4	NC	NC	222 U	295 U	255 U	242 U	236 U	312 U	248 U
2-Nitrophenol	88-75-5	NC	NC	222 U	295 U	255 U	242 U	236 U	312 U	248 U
3,3-Dichlorobenzidine	91-94-1	NC	NC	222 U	295 U	255 U	242 U	236 U	312 U	248 U
3-Nitroaniline	99-09-2	NC	NC	222 U	295 U	255 U	242 U	236 U	312 U	248 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	NC	222 U	295 U	255 U	242 U	236 U	312 U	248 U
4-Bromophenyl-phenylether	101-55-3	NC	NC	111 U	147 U	128 U	121 U	118 U	156 U	124 U
4-Chloro-3-methylphenol	59-50-7	NC	NC	222 U	295 U	255 U	242 U	236 U	312 U	248 U
4-Chloroaniline	106-47-8	100,000 CP	NC	222 U	295 U	255 U	242 U	236 U	312 U	248 U
4-Chlorophenyl-phenylether	7005-72-3	NC	NC	111 U	147 U	128 U	121 U	118 U	156 U	124 U
4-Nitroaniline	100-01-6	NC	NC	222 U	295 U	255 U	242 U	236 U	312 U	248 U
4-Nitrophenol	100-02-7	NC	NC	222 U	295 U	255 U	242 U	236 U	312 U	248 U
Acenaphthene	83-32-9	100,000	100,000	30.9	38.1	63.9 U	638	59.1 U	78.1 U	302
Acenaphthylene	208-96-8	100,000	100,000	63.9	233	63.9 U	60.6 U	59.1 U	78.1 U	185
Acetophenone	98-86-2	NC	NC	494 U	362	128 U	121 U	118 U	228	124 U
Anthracene	120-12-7	100,000	100,000	92.6	191	63.9 U	1750	59.1 U	78.1 U	688
Atrazine	1912-24-9	NC	NC	111 U	147 U	128 U	121 U	118 U	156 U	124 U
Benzaldehyde	100-52-7	NC	NC	85.7	186	255 U	46.2	236 U	43.1	45.5
Benzidine	92-87-5	NC	NC	222 R	295 U	255 U	242 U	236 U	312 U	248 U
Benzo[a]anthracene	56-55-3	1,000	1,000	352	505	63.9 U	2,280	25.4	36.3	3,290
Benzo[a]pyrene	50-32-8	1,000	1,000	376	686	63.9 U	1,970	59.1 U	78.1 U	3,420
Benzo[b]fluoranthene	205-99-2	1,000	1,000	484	804	63.9 U	2,680	59.1 U	78.1 U	4,300
Benzo[g,h,i]perylene	191-24-2	100,000	100,000	254	352	63.9 U	1,310	59.1 U	33.5	2,260
Benzo[k]fluoranthene	207-08-9	1,000	3,900	209	302	63.9 U	979	59.1 U	78.1 U	1,510
Bis(2-Chloroethoxy)methane	111-91-1	NC	NC	111 U	147 U	128 U	121 U	118 U	156 U	124 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	NC	111 U	147 U	128 U	121 U	118 U	156 U	124 U
Bis(2-Chloroisopropyl)ether	108-60-1	NC	NC	111 U	147 U	128 U	121 U	118 U	156 U	124 U
Bis(2-Ethylhexyl)phthalate	117-81-7	50,000 CP	NC	278 U	368 U	319 U	303 U	295 U	390 U	310 U
Butylbenzylphthalate	85-68-7	100,000 CP	NC	111 U	147 U	128 U	121 U	118 U	156 U	124 U
Caprolactam	105-60-2	NC	NC	222 U	295 U	255 U	242 U	236 U	312 U	248 U
Carbazole	86-74-8	NC	NC	53.9	52.4	128 U	1,020	118 U	156 U	272
Chrysene	218-01-9	1,000	3,900	403	480	63.9 U	2,430	59.1 U	52.9	4,140
Dibenzo[a,h]Anthracene	53-70-3	330	330	77.9	113	63.9 U	391	59.1 U	78.1 U	541
Dibenzofuran	132-64-9	14,000	59,000	114	72.4	128 U	965	118 U	156 U	209
Diethylphthalate	84-66-2	100,000 CP	NC	111 U	147 U	128 U	121 U	118 U	156 U	124 U
Dimethylphthalate	131-11-3	100,000 CP	NC	111 U	147 U	128 U	121 U	118 U	156 U	124 U
Di-n-butylphthalate	84-74-2	100,000 CP	NC	111 U	147 U	128 U	121 U	118 U	156 U	124 U
Di-n-octylphthalate	117-84-0	100,000 CP	NC	111 U	147 U	128 U	121 U	118 U	156 U	124 U
Fluoranthene	206-44-0	100,000	100,000	583	664	63.9 U	5420	59.1 U	52.2	7,600
Fluorene	86-73-7	100,000	100,000	38.9	69.1	63.9 U	1170	59.1 U	78.1 U	306
Hexachlorobenzene	118-74-1	330, 410 CP	1,200	111 U	147 U	128 U	121 U	118 U	156 U	124 U
Hexachlorobutadiene	87-68-3	NC	NC	111 U	147 U	128 U	121 U	118 U	156 U	124 U
Hexachlorocyclopentadiene	77-47-4	NC	NC	222 U	295 U	255 U	242 U	236 U	312 U	248 U
Hexachloroethane	67-72-1	NC	NC	111 U	147 U	128 U	121 U	118 U	156 U	124 U
Indeno[1,2,3-cd]pyrene	193-39-5	500	500	273	399	63.9 U	1,420	59.1 U	78.1 U	2,350
Isophorone	78-59-1	100,000 CP	NC	111 U	147 U	128 U	121 U	118 U	156 U	124 U
m-Cresol & p-Cresol	MEPH1314	NC	NC	21.6	81.1	255 U	38.4	236 U	46.9	45.6
Naphthalene	91-20-3	100,000	100,000	348	157	63.9 U	870	59.1 U	78.1 U	208
Nitrobenzene	98-95-3	3700 CP	NC	111 U	147 U	128 U	121 U	118 U	156 U	124 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	NC	111 U	147 U	128 U	121 U	118 U	156 U	124 U
N-Nitrosodiphenylamine	86-30-6	NC	NC	111 U	147 U	128 U	121 U	118 U	156 U	124 U
Pentachlorophenol	87-86-5	2,400	6,700	222 U	295 U	255 U	242 U	236 U	312 U	248 U
Phenanthrene	85-01-8	100,000	100,000	432	415	63.9 U	6,410	59.1 U	37	2480
Phenol	108-95-2	100,000	100,000	222 U	295 U	255 U	104	42.7	312 U	46.2
Pyrene	129-00-0	100,000	100,000	509	633	63.9 U	4120	59.1 U	46.3	7310
Pyridine	110-86-1	NC	NC	222 U	295 U	255 U	242 U	236 U	312 U	107
Total SVOC TICs	NA	NC	NC	1,497	2,522	591	12,449	NT	31,666	22,938

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
CP - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
BB = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.
Exceeds Residential Use SCO listed in Part 375 or CP-51
Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 8B - Subsurface Soil Results Compared to Restricted SCOs
SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

				fill					Fill/BB		
			Sample Location	SB-107	SB-108	SB-109	SB-111	SB-112	SB-113	SB-113[BB]	SB-113
			Sample ID	SB-107-6-7-030316	SB-108-5.8-6.4-030316	SB-109-8-9-030216	SB-111-6-7-031016	B-112-0.5-2.0-08221	DUP-002-031416	SB-113-1-2-031416	SB-113-4.5-6.5-031416
			Sample Date	3/3/2016	3/3/2016	3/2/2016	3/10/2016	8/22/2017	3/14/2016	3/14/2016	3/14/2016
			Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
			Lab SDG	2129473	2129473	2127346	2130254	2258101	2130903	2130903	2130903
			Start Depth	6	5.8	8	6	0.5	4.5	1	4.5
			End Depth	7	6.4	9	7	2	6.5	2	6.5
Chemical Name	**CAS #**	**NY Part 375 Residential SCO[1]**	**NY Part 375 Restricted Residential SCO[1]**								
SVOCs											
1,1'-Biphenyl	92-52-4	NC	NC	118 U	125 U	125 U	108 U	130 U	121 U	125 U	159 U
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	NC	118 U	125 U	125 U	108 U	130 U	121 U	125 U	159 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	NC	236 U	250 U	251 U	215 U	260 U	242 U	251 U	318 U
2,4,5-Trichlorophenol	95-95-4	100,000[CP]	NC	236 U	250 U	251 U	215 U	260 U	242 U	251 U	318 U
2,4,6-Trichlorophenol	88-06-2	NC	NC	236 U	250 U	251 U	215 U	260 U	242 U	251 U	318 U
2,4-Dichlorophenol	120-83-2	100,000[CP]	NC	236 U	250 U	251 U	215 U	260 U	242 U	251 U	318 U
2,4-Dimethylphenol	105-67-9	NC	NC	236 U	250 U	251 U	215 U	260 U	242 U	251 U	318 U
2,4-Dinitrophenol	51-28-5	100,000[CP]	NC	412 U	437 U	439 U	376 U	260 U	423 U	439 U	556 U
2,4-Dinitrotoluene	121-14-2	NC	NC	118 U	125 U	125 U	108 U	130 U	121 U	125 U	159 U
2,6-Dinitrotoluene	606-20-2	1,030[CP]	NC	118 U	125 U	125 U	108 U	130 U	121 U	125 U	159 U
2-Chloronaphthalene	91-58-7	NC	NC	118 U	125 U	125 U	108 U	130 U	121 U	125 U	159 U
2-Chlorophenol	95-57-8	100,000[CP]	NC	236 U	250 U	251 U	215 U	260 U	242 U	251 U	318 U
2-Methylnaphthalene	91-57-6	*410*[CP]	NC	118 U	125 U	125 U	108 U	130 U	121 U	125 U	45.5
2-Methylphenol	95-48-7	100,000	100,000	236 U	250 U	251 U	215 U	260 U	242 U	251 U	318 U
2-Nitroaniline	88-74-4	NC	NC	236 U	250 U	251 U	215 U	260 U	242 U	251 U	318 U
2-Nitrophenol	88-75-5	NC	NC	236 U	250 U	251 U	215 U	260 U	242 U	251 U	318 U
3,3-Dichlorobenzidine	91-94-1	NC	NC	236 U	250 U	251 U	215 U	260 U	242 U	251 U	318 U
3-Nitroaniline	99-09-2	NC	NC	236 U	250 U	251 U	215 U	260 U	242 U	251 U	318 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	NC	236 U	250 U	251 U	215 U	260 U	242 U	251 U	318 U
4-Bromophenyl-phenylether	101-55-3	NC	NC	118 U	125 U	125 U	108 U	130 U	121 U	125 U	159 U
4-Chloro-3-methylphenol	59-50-7	NC	NC	236 U	250 U	251 U	215 U	260 U	242 U	251 U	318 U
4-Chloroaniline	106-47-8	100,000[CP]	NC	236 U	250 U	251 U	215 U	260 U	242 U	251 U	318 U
4-Chlorophenyl-phenylether	7005-72-3	NC	NC	118 U	125 U	125 U	108 U	130 U	121 U	125 U	159 U
4-Nitroaniline	100-01-6	NC	NC	236 U	250 U	251 U	215 U	260 U	242 U	251 U	318 U
4-Nitrophenol	100-02-7	NC	NC	236 U	250 U	251 U	215 U	260 U	242 U	251 U	318 U
Acenaphthene	83-32-9	100,000	100,000	58.9 U	62.4 U	62.7 U	53.8 U	65 U	60.5 U	62.7 U	79.5 U
Acenaphthylene	208-96-8	100,000	100,000	58.9 U	62.4 U	62.7 U	53.8 U	65 U	60.5 U	62.7 U	79.5 U
Acetophenone	98-86-2	NC	NC	118 U	125 U	125 U	108 U	130 U	121 U	125 U	159 U
Anthracene	120-12-7	100,000	100,000	58.9 U	62.4 U	61.3	53.8 U	65 U	60.5 U	62.7 U	79.5 U
Atrazine	1912-24-9	NC	NC	118 U	125 U	125 U	108 U	130 U	121 U	125 U	159 U
Benzaldehyde	100-52-7	NC	NC	236 U	250 U	251 U	215 U	260 U	242 U	251 U	318 U
Benzidine	92-87-5	NC	NC	236 U	250 U	251 U	215 U	260 U	242 U	251 U	318 U
Benzo[a]anthracene	56-55-3	1,000	1,000	30.5	61.6	159	53.8 U	65 U	60.5 U	62.7 U	253
Benzo[a]pyrene	50-32-8	1,000	1,000	58.9 U	86.4	138	53.8 U	65 U	60.5 U	62.7 U	79.5 U
Benzo[b]fluoranthene	205-99-2	1,000	1,000	27.5	89	177	53.8 U	65 U	60.5 U	62.7 U	211
Benzo[g,h,i]perylene	191-24-2	100,000	100,000	38.7	69.2	75.8	53.8 U	65 U	60.5 U	62.7 U	226
Benzo[k]fluoranthene	207-08-9	1,000	3,900	58.9 U	36	76.9	53.8 U	65 U	60.5 U	62.7 U	79.5 U
Bis(2-Chloroethoxy)methane	111-91-1	NC	NC	118 U	125 U	125 U	108 U	130 U	121 U	125 U	159 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	NC	118 U	125 U	125 U	108 U	130 U	121 U	125 U	159 U
Bis(2-Chloroisopropyl)ether	108-60-1	NC	NC	118 U	125 U	125 U	108 U	130 U	121 U	125 U	159 U
Bis(2-Ethylhexyl)phthalate	117-81-7	50,000[CP]	NC	295 U	312 U	313 U	269 U	130 U	302 U	314 U	397 U
Butylbenzylphthalate	85-68-7	100,000[CP]	NC	118 U	125 U	125 U	108 U	130 U	121 U	125 U	159 U
Caprolactam	105-60-2	NC	NC	236 U	250 U	251 U	215 U	260 U	242 U	251 U	318 U
Carbazole	86-74-8	NC	NC	118 U	125 U	22.5	108 U	130 U	121 U	125 U	159 U
Chrysene	218-01-9	1,000	3,900	58.9 U	67.6	155	53.8 U	65 U	60.5 U	62.7 U	546
Dibenzo[a,h]Anthracene	53-70-3	330	330	58.9 U	29.8	62.7 U	53.8 U	65 U	60.5 U	62.7 U	129
Dibenzofuran	132-64-9	14,000	59,000	118 U	125 U	125 U	108 U	130 U	121 U	125 U	159 U
Diethylphthalate	84-66-2	100,000[CP]	NC	118 U	125 U	125 U	108 U	130 U	121 U	27.7	37.9
Dimethylphthalate	131-11-3	100,000[CP]	NC	118 U	125 U	125 U	108 U	130 U	121 U	125 U	159 U
Di-n-butylphthalate	84-74-2	100,000[CP]	NC	118 U	125 U	125 U	108 U	130 U	121 U	125 U	159 U
Di-n-octylphthalate	117-84-0	100,000[CP]	NC	118 U	125 U	125 U	108 U	130 U	121 U	125 U	159 U
Fluoranthene	206-44-0	100,000	100,000	34	112	290	53.8 U	65 U	60.5 U	62.7 U	79.5 U
Fluorene	86-73-7	100,000	100,000	58.9 U	62.4 U	62.7 U	53.8 U	65 U	60.5 U	62.7 U	79.5 U
Hexachlorobenzene	118-74-1	330, 410[CP]	1,200	118 U	125 U	125 U	108 U	130 U	121 U	24	159 U
Hexachlorobutadiene	87-68-3	NC	NC	118 U	125 U	125 U	108 U	130 U	121 U	125 U	159 U
Hexachlorocyclopentadiene	77-47-4	NC	NC	236 U	250 U	251 U	215 U	260 U	242 U	251 U	318 U
Hexachloroethane	67-72-1	NC	NC	118 U	125 U	125 U	108 U	130 U	121 U	125 U	159 U
Indeno[1,2,3-cd]pyrene	193-39-5	500	500	58.9 U	48.4	89.7	53.8 U	65 U	60.5 U	27.2	73.4
Isophorone	78-59-1	100,000[CP]	NC	118 U	125 U	125 U	108 U	130 U	121 U	125 U	159 U
m-Cresol & p-Cresol	MEPH1314	NC	NC	236 U	250 U	251 U	215 U	260 U	242 U	251 U	318 U
Naphthalene	91-20-3	100,000	100,000	58.9 U	62.4 U	62.7 U	53.8 U	65 U	60.5 U	62.7 U	79.5 U
Nitrobenzene	98-95-3	3700[CP]	NC	118 U	125 U	125 U	108 U	130 U	121 U	125 U	159 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	NC	118 U	125 U	125 U	108 U	130 U	121 U	125 U	159 U
N-Nitrosodiphenylamine	86-30-6	NC	NC	118 U	125 U	125 U	108 U	130 U	121 U	125 U	159 U
Pentachlorophenol	87-86-5	2,400	6,700	236 U	250 U	251 U	215 U	260 U	242 U	251 U	318 U
Phenanthrene	85-01-8	100,000	100,000	27.2	86.4	133	53.8 U	65 U	60.5 U	62.7 U	147
Phenol	108-95-2	100,000	100,000	79.6	250 U	251 U	215 U	260 U	242 U	251 U	318 U
Pyrene	129-00-0	100,000	100,000	43.9	131	243	53.8 U	65 U	60.5 U	62.7 U	56.3
Pyridine	110-86-1	NC	NC	236 U	250 U	251 U	215 U	260 U	242 U	251 U	318 U
Total SVOC TICs	NA	NC	NC	7,382	1,665	NT	NT	NT	498	1,001	23,012

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.

	Exceeds Residential Use SCO listed in Part 375 or CP-51
	Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 8B - Subsurface Soil Results Compared to Restricted SCOs
SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

			Sample Location	SB-114	fill SB-115	SB-116	SB-117	SB-117	fill SB-118	SB-119	SB-120
			Sample ID	SB-114-2-2.5-030216	SB-115-5.6-6.7-030216	SB-116-5.7-6.5-030216	DUP-003-030216	SB-117-5.9-7-030216	SB-118-7-7.4-030216	SB-119-4.5-6-031116	SB-120-6.5-7.4-031416
			Sample Date	3/2/2016	3/2/2016	3/2/2016	3/2/2016	3/2/2016	3/2/2016	3/11/2016	3/14/2016
			Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
			Lab SDG	2127346	2127346	2127346	2127346	2127346	2127346	2130903	2130903
			Start Depth	2	5.6	5.7	5.9	5.9	7	4.5	6.5
			End Depth	2.5	6.7	6.5	7	7	7.4	6	7.4
Chemical Name	**CAS #**	**NY Part 375 Residential SCO[1]**	**NY Part 375 Restricted Residential SCO[1]**								
SVOCs											
1,1'-Biphenyl	92-52-4	NC	NC	114 U	622	130 U	130 U	134 U	117 U	120 U	152 U
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	NC	114 U	128 U	130 U	130 U	134 U	117 U	120 U	152 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	NC	228 U	257 U	260 U	260 U	269 U	234 U	240 U	304 U
2,4,5-Trichlorophenol	95-95-4	100,000^{CP}	NC	228 U	257 U	260 U	260 U	269 U	234 U	240 U	304 U
2,4,6-Trichlorophenol	88-06-2	NC	NC	228 U	257 U	260 U	260 U	269 U	234 U	240 U	304 U
2,4-Dichlorophenol	120-83-2	100,000^{CP}	NC	228 U	257 U	260 U	260 U	269 U	234 U	240 U	304 U
2,4-Dimethylphenol	105-67-9	NC	NC	228 U	257 U	260 U	260 U	269 U	234 U	240 U	304 U
2,4-Dinitrophenol	51-28-5	100,000^{CP}	NC	399 U	449 U	454 U	455 U	470 U	409 U	419 U	532 U
2,4-Dinitrotoluene	121-14-2	NC	NC	114 U	128 U	130 U	130 U	134 U	117 U	120 U	152 U
2,6-Dinitrotoluene	606-20-2	1,030^{CP}	NC	114 U	128 U	130 U	130 U	134 U	117 U	120 U	152 U
2-Chloronaphthalene	91-58-7	NC	NC	114 U	128 U	130 U	130 U	134 U	117 U	120 U	152 U
2-Chlorophenol	95-57-8	100,000^{CP}	NC	228 U	257 U	260 U	260 U	269 U	234 U	240 U	304 U
2-Methylnaphthalene	91-57-6	*410*^{CP}	NC	114 U	1,880	29.5	130 U	29.1	117 U	120 U	46.7
2-Methylphenol	95-48-7	100,000	100,000	228 U	257 U	260 U	260 U	269 U	234 U	240 U	304 U
2-Nitroaniline	88-74-4	NC	NC	228 U	257 U	260 U	260 U	269 U	234 U	240 U	304 U
2-Nitrophenol	88-75-5	NC	NC	228 U	257 U	260 U	260 U	269 U	234 U	240 U	304 U
3,3-Dichlorobenzidine	91-94-1	NC	NC	228 U	257 U	260 U	260 U	269 U	234 U	240 U	304 U
3-Nitroaniline	99-09-2	NC	NC	228 U	257 U	260 U	260 U	269 U	234 U	240 U	304 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	NC	228 U	257 U	260 U	260 U	269 U	234 U	240 U	304 U
4-Bromophenyl-phenylether	101-55-3	NC	NC	114 U	128 U	130 U	130 U	134 U	117 U	120 U	152 U
4-Chloro-3-methylphenol	59-50-7	NC	NC	228 U	257 U	260 U	260 U	269 U	234 U	240 U	304 U
4-Chloroaniline	106-47-8	100,000^{CP}	NC	228 U	257 U	260 U	260 U	269 U	234 U	240 U	304 U
4-Chlorophenyl-phenylether	7005-72-3	NC	NC	114 U	128 U	130 U	130 U	134 U	117 U	120 U	152 U
4-Nitroaniline	100-01-6	NC	NC	228 U	257 U	260 U	260 U	269 U	234 U	240 U	304 U
4-Nitrophenol	100-02-7	NC	NC	228 U	257 U	260 U	260 U	269 U	234 U	240 U	304 U
Acenaphthene	83-32-9	100,000	100,000	57.1 U	3,610	41	65 U	67.1 U	58.4 U	59.9 U	76 U
Acenaphthylene	208-96-8	100,000	100,000	57.1 U	2,330	33.7	65 U	67.1 U	58.4 U	59.9 U	133
Acetophenone	98-86-2	NC	NC	114 U	128 U	130 U	130 U	134 U	117 U	120 U	152 U
Anthracene	120-12-7	100,000	100,000	57.1 U	4,810	130	65 U	67.1 U	58.4 U	59.9 U	89.3
Atrazine	1912-24-9	NC	NC	114 U	128 U	130 U	130 U	134 U	117 U	120 U	152 U
Benzaldehyde	100-52-7	NC	NC	228 U	257 U	81.4	31.6	38.1	234 U	240 U	304 U
Benzidine	92-87-5	NC	NC	228 U	257 U	260 U	260 U	269 U	234 U	240 U	304 U
Benzo[a]anthracene	56-55-3	1,000	1,000	32.2	3,700	320	65 U	99.7	39	59.9 U	621
Benzo[a]pyrene	50-32-8	1,000	1,000	57.1 U	3,360	156	65 U	67.1 U	49.8	59.9 U	799
Benzo[b]fluoranthene	205-99-2	1,000	1,000	32.7	4,420	361	65 U	137	65.3	59.9 U	1,150
Benzo[g,h,i]perylene	191-24-2	100,000	100,000	31.3	4,160	145	65 U	96.4	43.3	59.9 U	617
Benzo[k]fluoranthene	207-08-9	1,000	3,900	57.1 U	1,590	109	65 U	54.3	58.4 U	59.9 U	467
Bis(2-Chloroethoxy)methane	111-91-1	NC	NC	114 U	128 U	130 U	130 U	134 U	117 U	120 U	152 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	NC	114 U	128 U	130 U	130 U	134 U	117 U	120 U	152 U
Bis(2-Chloroisopropyl)ether	108-60-1	NC	NC	114 U	128 U	130 U	130 U	134 U	117 U	120 U	152 U
Bis(2-Ethylhexyl)phthalate	117-81-7	50,000^{CP}	NC	285 U	321 U	324 U	325 U	336 U	292 U	300 U	380 U
Butylbenzylphthalate	85-68-7	100,000^{CP}	NC	114 U	128 U	130 U	130 U	134 U	117 U	120 U	152 U
Caprolactam	105-60-2	NC	NC	228 U	257 U	260 U	260 U	269 U	234 U	240 U	304 U
Carbazole	86-74-8	NC	NC	114 U	128 U	42.5	130 U	134 U	117 U	120 U	138
Chrysene	218-01-9	1,000	3,900	56.9	4,380	508	65 U	137	32.9	59.9 U	956
Dibenzo[a,h]Anthracene	53-70-3	330	330	57.1 U	422	62.4	65 U	67.1 U	58.4 U	59.9 U	138
Dibenzofuran	132-64-9	14,000	59,000	114 U	128 U	45.4	130 U	134 U	117 U	120 U	76.5
Diethylphthalate	84-66-2	100,000^{CP}	NC	114 U	128 U	130 U	130 U	134 U	117 U	120 U	47.8
Dimethylphthalate	131-11-3	100,000^{CP}	NC	114 U	128 U	130 U	130 U	134 U	117 U	120 U	152 U
Di-n-butylphthalate	84-74-2	100,000^{CP}	NC	114 U	128 U	130 U	130 U	134 U	117 U	120 U	152 U
Di-n-octylphthalate	117-84-0	100,000^{CP}	NC	114 U	128 U	130 U	130 U	134 U	117 U	120 U	152 U
Fluoranthene	206-44-0	100,000	100,000	48.9	12,600	624	65 U	191	52.1	59.9 U	1,610
Fluorene	86-73-7	100,000	100,000	57.1 U	5,930	75	65 U	67.1 U	58.4 U	59.9 U	66.2
Hexachlorobenzene	118-74-1	330, 410^{CP}	1,200	114 U	128 U	130 U	130 U	134 U	117 U	120 U	152 U
Hexachlorobutadiene	87-68-3	NC	NC	114 U	128 U	130 U	130 U	134 U	117 U	120 U	152 U
Hexachlorocyclopentadiene	77-47-4	NC	NC	228 U	257 U	260 U	260 U	269 U	234 U	240 U	304 U
Hexachloroethane	67-72-1	NC	NC	114 U	128 U	130 U	130 U	134 U	117 U	120 U	152 U
Indeno[1,2,3-cd]pyrene	193-39-5	500	500	27.7	3,550	121	65 U	77	41.8	59.9 U	705
Isophorone	78-59-1	100,000^{CP}	NC	114 U	128 U	130 U	130 U	134 U	117 U	120 U	152 U
m-Cresol & p-Cresol	MEPH1314	NC	NC	228 U	257 U	260 U	26.7	119	234 U	240 U	58
Naphthalene	91-20-3	100,000	100,000	57.1 U	7,580	92.6	65 U	34.3	58.4 U	59.9 U	129
Nitrobenzene	98-95-3	3700^{CP}	NC	114 U	128 U	130 U	130 U	134 U	117 U	120 U	152 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	NC	114 U	128 U	130 U	130 U	134 U	117 U	120 U	152 U
N-Nitrosodiphenylamine	86-30-6	NC	NC	114 U	128 U	130 U	130 U	134 U	117 U	120 U	152 U
Pentachlorophenol	87-86-5	2,400	6,700	228 U	257 U	260 U	260 U	269 U	234 U	240 U	304 U
Phenanthrene	85-01-8	100,000	100,000	62.7	20,000	407	65 U	132	58.4 U	59.9 U	970
Phenol	108-95-2	100,000	100,000	228 U	257 U	260 U	260 U	269 U	234 U	240 U	304 U
Pyrene	129-00-0	100,000	100,000	61.1	20,000	353	65 U	262	50.4	59.9 U	1,250
Pyridine	110-86-1	NC	NC	228 U	257 U	260 U	260 U	269 U	234 U	240 U	304 U
Total SVOC TICs	NA	NC	NC	NT	44,901	7,084	355	1,890	NT	NT	8,646

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
^{CP} - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
^{BB} = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.

(green)	Exceeds Residential Use SCO listed in Part 375 or CP-51
(orange)	Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 8B - Subsurface Soil Results Compared to Restricted SCOs
SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

			Sample Location	SB-121	SB-122	SB-124	SB-125	SB-127	SB-129	SB-130	SB-131
			Sample ID	SB-121-2-2.5-031416	SB-122-7-8-022916	SB-124-8-9-031116	SB-125-5-7-031416	SB-127-10-11-031116	SB-129-4.6-6.6-031516	SB-130-4-4.5-042216	SB-131-8-10-031116
			Sample Date	3/14/2016	2/29/2016	3/11/2016	3/14/2016	3/11/2016	3/15/2016	4/22/2016	3/11/2016
			Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
			Lab SDG	2130903	2127346	2130903	2130903	2130903	2130900	2139069	2130903
			Start Depth	2	7	8	5	10	4.6	4	8
			End Depth	2.5	8	9	7	11	6.6	4.5	10
Chemical Name	CAS #	NY Part 375 Residential SCO[1]	NY Part 375 Restricted Residential SCO[1]								
SVOCs											
1,1'-Biphenyl	92-52-4	NC	NC	242	118 U	123 U	121 U	128 U	27.9	250	114 U
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	NC	126 U	118 U	123 U	121 U	128 U	117 U	131 U	114 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	NC	252 U	236 U	247 U	242 U	255 U	234 U	261 U	229 U
2,4,5-Trichlorophenol	95-95-4	100,000[CP]	NC	252 U	236 U	247 U	242 U	255 U	234 U	261 U	229 U
2,4,6-Trichlorophenol	88-06-2	NC	NC	252 U	236 U	247 U	242 U	255 U	234 U	261 U	229 U
2,4-Dichlorophenol	120-83-2	100,000[CP]	NC	252 U	236 U	247 U	242 U	255 U	234 U	261 U	229 U
2,4-Dimethylphenol	105-67-9	NC	NC	252 U	236 U	247 U	242 U	255 U	234 U	261 U	229 U
2,4-Dinitrophenol	51-28-5	100,000[CP]	NC	441 U	236 U	432 U	423 U	446 U	410 U	457 U	400 U
2,4-Dinitrotoluene	121-14-2	NC	NC	126 U	118 U	123 U	121 U	128 U	117 U	131 U	114 U
2,6-Dinitrotoluene	606-20-2	1,030[CP]	NC	126 U	118 U	123 U	121 U	128 U	117 U	131 U	114 U
2-Chloronaphthalene	91-58-7	NC	NC	126 U	118 U	123 U	121 U	128 U	117 U	131 U	114 U
2-Chlorophenol	95-57-8	100,000[CP]	NC	252 U	236 U	247 U	242 U	255 U	234 U	261 U	229 U
2-Methylnaphthalene	91-57-6	*410*[CP]	NC	2,940	118 U	123 U	121 U	128 U	162	1,810	114 U
2-Methylphenol	95-48-7	100,000	100,000	57.7	236 U	247 U	242 U	255 U	234 U	188	229 U
2-Nitroaniline	88-74-4	NC	NC	252 U	236 U	247 U	242 U	255 U	234 U	261 U	229 U
2-Nitrophenol	88-75-5	NC	NC	252 U	236 U	247 U	242 U	255 U	234 U	261 U	229 U
3,3-Dichlorobenzidine	91-94-1	NC	NC	252 U	236 U	247 U	242 U	255 U	234 U	261 U	229 U
3-Nitroaniline	99-09-2	NC	NC	252 U	236 U	247 U	242 U	255 U	234 U	261 U	229 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	NC	252 U	236 U	247 U	242 U	255 U	234 U	261 U	229 U
4-Bromophenyl-phenylether	101-55-3	NC	NC	126 U	118 U	123 U	121 U	128 U	117 U	131 U	114 U
4-Chloro-3-methylphenol	59-50-7	NC	NC	252 U	236 U	247 U	242 U	255 U	234 U	261 U	229 U
4-Chloroaniline	106-47-8	100,000[CP]	NC	252 U	236 U	247 U	242 U	255 U	234 U	261 U	229 U
4-Chlorophenyl-phenylether	7005-72-3	NC	NC	126 U	118 U	123 U	121 U	128 U	117 U	131 U	114 U
4-Nitroaniline	100-01-6	NC	NC	252 U	236 U	247 U	242 U	255 U	234 U	261 U	229 U
4-Nitrophenol	100-02-7	NC	NC	252 U	236 U	247 U	242 U	255 U	234 U	261 U	229 U
Acenaphthene	83-32-9	100,000	100,000	62.9 U	58.9 U	61.7 U	60.4 U	63.8 U	58.6 U	126	57.2 U
Acenaphthylene	208-96-8	100,000	100,000	62.9 U	58.9 U	61.7 U	60.4 U	63.8 U	58.6 U	65.3 U	57.2 U
Acetophenone	98-86-2	NC	NC	461	118 U	123 U	121 U	128 U	135	131 U	114 U
Anthracene	120-12-7	100,000	100,000	109	58.9 U	61.7 U	60.4 U	63.8 U	74.5	206	57.2 U
Atrazine	1912-24-9	NC	NC	126 U	118 U	123 U	121 U	128 U	117 U	131 U	114 U
Benzaldehyde	100-52-7	NC	NC	252 U	236 U	247 U	242 U	255 U	234 U	261 U	229 U
Benzidine	92-87-5	NC	NC	252 U	236 U	247 U	242 U	255 U	234 U	261 U	229 U
Benzo[a]anthracene	56-55-3	1,000	1,000	415	12.4	61.7 U	60.4 U	63.8 U	44.8	716	57.2 U
Benzo[a]pyrene	50-32-8	1,000	1,000	270	7.5	61.7 U	60.4 U	63.8 U	58.6 U	426	57.2 U
Benzo[b]fluoranthene	205-99-2	1,000	1,000	487	9.3	61.7 U	60.4 U	63.8 U	49.6	556	57.2 U
Benzo[g,h,i]perylene	191-24-2	100,000	100,000	148	10.9	61.7 U	60.4 R	63.8 U	58.6 U	316	57.2 U
Benzo[k]fluoranthene	207-08-9	1,000	3,900	62.9 U	7.5	61.7 U	60.4 U	63.8 U	58.6 U	178	57.2 U
Bis(2-Chloroethoxy)methane	111-91-1	NC	NC	126 U	118 U	123 U	121 U	128 U	117 U	131 U	114 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	NC	126 U	118 U	123 U	121 U	128 U	117 U	131 U	114 U
Bis(2-Chloroisopropyl)ether	108-60-1	NC	NC	126 U	118 U	123 U	121 U	128 U	117 U	131 U	114 U
Bis(2-Ethylhexyl)phthalate	117-81-7	50,000[CP]	NC	315 U	118 U	165	302 U	319 U	293 U	327 U	286 U
Butylbenzylphthalate	85-68-7	100,000[CP]	NC	126 U	12.9	123 U	121 U	128 U	117 U	131 U	114 U
Caprolactam	105-60-2	NC	NC	252 U	236 U	247 U	242 U	255 U	234 U	261 U	229 U
Carbazole	86-74-8	NC	NC	128	118 U	123 U	121 U	128 U	117 U	131 U	114 U
Chrysene	218-01-9	1,000	3,900	854	6.6	61.7 U	60.4 U	63.8 U	59.3	1,170	57.2 U
Dibenzo[a,h]Anthracene	53-70-3	330	330	83.9	9.7	61.7 U	60.4 U	63.8 U	58.6 U	191	57.2 U
Dibenzofuran	132-64-9	14,000	59,000	947	118 U	123 U	121 U	128 U	117 U	478	114 U
Diethylphthalate	84-66-2	100,000[CP]	NC	126 U	118 U	41	121 U	36.9	117 U	131 U	38
Dimethylphthalate	131-11-3	100,000[CP]	NC	126 U	118 U	123 U	121 U	128 U	117 U	131 U	114 U
Di-n-butylphthalate	84-74-2	100,000[CP]	NC	126 U	118 U	123 U	121 U	128 U	117 U	131 U	114 U
Di-n-octylphthalate	117-84-0	100,000[CP]	NC	126 U	10.3	123 U	121 U	128 U	117 U	131 U	114 U
Fluoranthene	206-44-0	100,000	100,000	543	58.9 U	61.7 U	60.4 U	63.8 U	227	730	57.2 U
Fluorene	86-73-7	100,000	100,000	144	58.9 U	61.7 U	60.4 U	63.8 U	228	363	57.2 U
Hexachlorobenzene	118-74-1	330, 410[CP]	1,200	126 U	118 U	123 U	121 U	128 U	117 U	131 U	114 U
Hexachlorobutadiene	87-68-3	NC	NC	126 U	118 U	123 U	121 U	128 U	117 U	131 U	114 U
Hexachlorocyclopentadiene	77-47-4	NC	NC	252 U	236 U	247 U	242 U	255 U	234 U	261 U	229 U
Hexachloroethane	67-72-1	NC	NC	126 U	118 U	123 U	121 U	128 U	117 U	131 U	114 U
Indeno[1,2,3-cd]pyrene	193-39-5	500	500	184	9	61.7 U	60.4 U	63.8 U	58.6 U	242	57.2 U
Isophorone	78-59-1	100,000[CP]	NC	126 U	118 U	123 U	121 U	128 U	117 U	131 U	114 U
m-Cresol & p-Cresol	MEPH1314	NC	NC	75.6	236 U	247 U	242 U	255 U	234 U	795	229 U
Naphthalene	91-20-3	100,000	100,000	1,660	58.9 U	61.7 U	60.4 U	63.8 U	58.6 U	1170	57.2 U
Nitrobenzene	98-95-3	3700[CP]	NC	126 U	118 U	123 U	121 U	128 U	117 U	131 U	114 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	NC	126 U	118 U	123 U	121 U	128 U	117 U	131 U	114 U
N-Nitrosodiphenylamine	86-30-6	NC	NC	126 U	118 U	123 U	121 U	128 U	117 U	131 U	114 U
Pentachlorophenol	87-86-5	2,400	6,700	252 U	236 U	247 U	242 U	255 U	234 U	261 U	229 U
Phenanthrene	85-01-8	100,000	100,000	2210	58.9 U	42.4	60.4 U	63.8 U	629	1,410	57.2 U
Phenol	108-95-2	100,000	100,000	252 U	236 U	247 U	242 U	255 U	234 U	261 U	229 U
Pyrene	129-00-0	100,000	100,000	593	6.2	61.7 U	60.4 U	63.8 U	94	875	57.2 U
Pyridine	110-86-1	NC	NC	252 U	NA	247 U	242 U	255 U	234 U	261 U	229 U
Total SVOC TICs	NA	NC	NC	60,230	369	3,086	1,199	NT	38,375	46,690	4,418

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.
Exceeds Residential Use SCO listed in Part 375 or CP-51
Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 8B - Subsurface Soil Results Compared to Restricted SCOs
SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

									fill		
			Sample Location	SB-133	SB-134	SB-135	SB-136	SB-137	SB-138	SB-139	SB-141
			Sample ID	SB-133-4.5-5-041416	SB-134-10-11-031516	SB-135-8-9-041516	SB-136-5-7-031116	SB-137-6-8-031116	SB-138-4-4.8-030116	SB-139-8-9.7-030116	SB-141-7-8-030116
			Sample Date	4/14/2016	3/15/2016	4/15/2016	3/11/2016	3/11/2016	3/1/2016	3/1/2016	3/1/2016
			Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
			Lab SDG	2139069	2130900	2139069	2130903	2130903	2127346	2127346	2127346
			Start Depth	4.5	10	8	5	6	4	8	7
			End Depth	5	11	9	7	8	4.8	9.7	8
Chemical Name	**CAS #**	**NY Part 375 Residential SCO[1]**	**NY Part 375 Restricted Residential SCO[1]**								
SVOCs											
1,1'-Biphenyl	92-52-4	NC	NC	151 U	119 U	84.5	119 U	124 U	115 U	118 U	119 U
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	NC	151 U	119 U	143 U	119 U	124 U	115 U	118 U	119 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	NC	302 U	238 R	285 U	237 U	248 U	231 U	236 U	237 U
2,4,5-Trichlorophenol	95-95-4	100,000[CP]	NC	302 U	238 R	285 U	237 U	248 U	231 U	236 U	237 U
2,4,6-Trichlorophenol	88-06-2	NC	NC	302 U	238 R	285 U	237 U	248 U	231 U	236 U	237 U
2,4-Dichlorophenol	120-83-2	100,000[CP]	NC	302 U	238 U	285 U	237 U	248 U	231 U	236 U	237 U
2,4-Dimethylphenol	105-67-9	NC	NC	302 U	238 R	285 U	237 U	248 U	231 U	236 U	237 U
2,4-Dinitrophenol	51-28-5	100,000[CP]	NC	528 U	417 R	499 U	415 U	435 U	404 U	414 U	415 U
2,4-Dinitrotoluene	121-14-2	NC	NC	151 U	119 R	143 U	119 U	124 U	115 U	118 U	119 U
2,6-Dinitrotoluene	606-20-2	1,030[CP]	NC	151 U	119 U	143 U	119 U	124 U	115 U	118 U	119 U
2-Chloronaphthalene	91-58-7	NC	NC	151 U	119 U	143 U	119 U	124 U	115 U	118 U	119 U
2-Chlorophenol	95-57-8	100,000[CP]	NC	302 U	238 R	285 U	237 U	248 U	231 U	236 U	237 U
2-Methylnaphthalene	91-57-6	*410* [CP]	NC	148	119 U	218	119 U	124 U	115 U	16.6	119 U
2-Methylphenol	95-48-7	100,000	100,000	302 U	238 R	285 U	237 U	248 U	231 U	236 U	237 U
2-Nitroaniline	88-74-4	NC	NC	302 U	238 U	285 U	237 U	248 U	231 U	236 U	237 U
2-Nitrophenol	88-75-5	NC	NC	302 U	238 R	285 U	237 U	248 U	231 U	236 U	237 U
3,3-Dichlorobenzidine	91-94-1	NC	NC	302 U	238 U	285 U	237 U	248 U	231 U	236 U	237 U
3-Nitroaniline	99-09-2	NC	NC	302 U	238 U	285 U	237 U	248 U	231 U	236 U	237 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	NC	302 U	238 R	285 U	237 U	248 U	231 U	236 U	237 U
4-Bromophenyl-phenylether	101-55-3	NC	NC	151 U	119 U	143 U	119 U	124 U	115 U	118 U	119 U
4-Chloro-3-methylphenol	59-50-7	NC	NC	302 U	238 R	285 U	237 U	248 U	231 U	236 U	237 U
4-Chloroaniline	106-47-8	100,000[CP]	NC	302 U	238 U	285 U	237 U	248 U	231 U	236 U	237 U
4-Chlorophenyl-phenylether	7005-72-3	NC	NC	151 U	119 U	143 U	119 U	124 U	115 U	118 U	119 U
4-Nitroaniline	100-01-6	NC	NC	302 U	238 U	285 U	237 U	248 U	231 U	236 U	237 U
4-Nitrophenol	100-02-7	NC	NC	302 U	238 R	285 U	237 U	248 U	231 U	236 U	237 U
Acenaphthene	83-32-9	100,000	100,000	75.5 U	59.6 U	33.3	59.3 U	62.1 U	38.6	55	59.3 U
Acenaphthylene	208-96-8	100,000	100,000	75.5 U	59.6 U	71.3 U	59.3 U	62.1 U	57.7 U	59.1 U	59.3 U
Acetophenone	98-86-2	NC	NC	199 U	119 U	205 U	119 U	124 U	115 U	118 U	119 U
Anthracene	120-12-7	100,000	100,000	99.3	59.6 U	63.4	59.3 U	62.1 U	70	140	59.3 U
Atrazine	1912-24-9	NC	NC	151 U	119 U	143 U	119 U	124 U	115 U	118 U	119 U
Benzaldehyde	100-52-7	NC	NC	86.1	238 U	285 U	237 U	248 U	231 U	236 U	237 U
Benzidine	92-87-5	NC	NC	302 U	238 U	285 U	237 U	248 U	231 U	236 U	237 U
Benzo[a]anthracene	56-55-3	1,000	1,000	214	59.6 U	75.2	59.3 U	62.1 U	161	243	59.3 U
Benzo[a]pyrene	50-32-8	1,000	1,000	257	59.6 U	82.9	59.3 U	62.1 U	149	198	59.3 U
Benzo[b]fluoranthene	205-99-2	1,000	1,000	347	59.6 U	122	59.3 U	62.1 U	178	247	59.3 U
Benzo[g,h,i]perylene	191-24-2	100,000	100,000	222	59.6 U	75.9	59.3 U	62.1 U	103	108	59.3 U
Benzo[k]fluoranthene	207-08-9	1,000	3,900	123	59.6 U	41.8	59.3 U	62.1 U	73.8	96.2	59.3 U
Bis(2-Chloroethoxy)methane	111-91-1	NC	NC	151 U	119 U	143 U	119 U	124 U	115 U	118 U	119 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	NC	151 U	119 U	143 U	119 U	124 U	115 U	118 U	119 U
Bis(2-Chloroisopropyl)ether	108-60-1	NC	NC	151 U	119 U	143 U	119 U	124 U	115 U	118 U	119 U
Bis(2-Ethylhexyl)phthalate	117-81-7	50,000[CP]	NC	377 U	298 U	356 U	297 U	310 U	288 U	295 U	297 U
Butylbenzylphthalate	85-68-7	100,000[CP]	NC	151 U	119 U	143 U	119 U	124 U	115 U	118 U	119 U
Caprolactam	105-60-2	NC	NC	302 U	238 U	285 U	237 U	248 U	231 U	236 U	237 U
Carbazole	86-74-8	NC	NC	151 U	119 U	143 U	119 U	124 U	33.3	46.8	119 U
Chrysene	218-01-9	1,000	3,900	426	59.6 U	185	59.3 U	62.1 U	175	245	59.3 U
Dibenzo[a,h]Anthracene	53-70-3	330	330	76.8	59.6 U	71.3 U	59.3 U	62.1 U	27.8	33.5	59.3 U
Dibenzofuran	132-64-9	14,000	59,000	151 U	119 U	143 U	119 U	124 U	115 U	31.5	119 U
Diethylphthalate	84-66-2	100,000[CP]	NC	151 U	33.7	143 U	30.5	124 U	115 U	118 U	119 U
Dimethylphthalate	131-11-3	100,000[CP]	NC	151 U	119 U	143 U	119 U	124 U	115 U	118 U	119 U
Di-n-butylphthalate	84-74-2	100,000[CP]	NC	151 U	119 U	143 U	119 U	124 U	115 U	118 U	119 U
Di-n-octylphthalate	117-84-0	100,000[CP]	NC	151 U	119 U	143 U	119 U	124 U	115 U	118 U	119 U
Fluoranthene	206-44-0	100,000	100,000	635	59.6 U	203	59.3 U	62.1 U	334	561	59.3 U
Fluorene	86-73-7	100,000	100,000	88.1	59.6 U	115	59.3 U	62.1 U	47.8	66.9	59.3 U
Hexachlorobenzene	118-74-1	330, 410[CP]	1,200	151 U	119 U	143 U	119 U	124 U	115 U	118 U	119 U
Hexachlorobutadiene	87-68-3	NC	NC	151 U	119 U	143 U	119 U	124 U	115 U	118 U	119 U
Hexachlorocyclopentadiene	77-47-4	NC	NC	302 U	238 U	285 U	237 U	248 U	231 U	236 U	237 U
Hexachloroethane	67-72-1	NC	NC	151 U	119 U	143 U	119 U	124 U	115 U	118 U	119 U
Indeno[1,2,3-cd]pyrene	193-39-5	500	500	190	59.6 U	60.6	59.3 U	62.1 U	103	133	59.3 U
Isophorone	78-59-1	100,000[CP]	NC	151 U	119 U	143 U	119 U	124 U	115 U	118 U	119 U
m-Cresol & p-Cresol	MEPH1314	NC	NC	185	238 U	287	237 U	248 U	231 U	236 U	237 U
Naphthalene	91-20-3	100,000	100,000	143	59.6 U	127	59.3 U	62.1 U	57.7 U	39.5	59.3 U
Nitrobenzene	98-95-3	3700[CP]	NC	151 U	119 U	143 U	119 U	124 U	115 U	118 U	119 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	NC	151 U	119 U	143 U	119 U	124 U	115 U	118 U	119 U
N-Nitrosodiphenylamine	86-30-6	NC	NC	151 U	119 U	143 U	119 U	124 U	115 U	118 U	119 U
Pentachlorophenol	87-86-5	2,400	6,700	302 U	238 R	285 U	237 U	248 U	231 U	236 U	237 U
Phenanthrene	85-01-8	100,000	100,000	463	59.6 U	351	60.2	89.3	323	493	74.1
Phenol	108-95-2	100,000	100,000	302 U	238 R	285 U	237 U	248 U	231 U	236 U	237 U
Pyrene	129-00-0	100,000	100,000	548	59.6 U	196	41.3	62.1 U	272	424	59.3 U
Pyridine	110-86-1	NC	NC	302 U	238 U	285 U	237 U	248 U	231 U	236 U	237 U
Total SVOC TICs	NA	NC	NC	70,480	437	80,400	4,736	11,347	31,450	NT	75,150

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.
Exceeds Residential Use SCO listed in Part 375 or CP-51
Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 8B - Subsurface Soil Results Compared to Restricted SCOs
SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

					BB/Fill					
			Sample Location	SB-142	SB-143[BB]	SB-144	SB-145	SB-146	SB-147	SB-148
			Sample ID	SB-142-11-12-030116	SB-143-3-4-030116	SB-144-1-1.8-030116	SB-145-25.4-26.1-030916	SB-146-6-8-030216	SB-147-10-11.4-042216	SB-148-8-9.2-040616
			Sample Date	3/1/2016	3/1/2016	3/1/2016	3/9/2016	3/2/2016	4/22/2016	4/7/2016
			Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
			Lab SDG	2127346	2127346	2127346	2130254	2127346	2139069	2136537
			Start Depth	11	3	1	25.4	6	10	8
			End Depth	12	4	1.8	26.1	8	11	9.2
Chemical Name	CAS #	NY Part 375 Residential SCO[1]	NY Part 375 Restricted Residential SCO[1]							
SVOCs										
1,1'-Biphenyl	92-52-4	NC	NC	121 U	408 U	118 U	123 U	120 U	139 U	155
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	NC	121 U	408 U	118 U	123 U	120 U	139 U	127 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	NC	241 U	816 U	237 U	247 U	240 U	279 U	255 U
2,4,5-Trichlorophenol	95-95-4	100,000[CP]	NC	241 U	816 U	237 U	247 U	240 U	279 U	255 U
2,4,6-Trichlorophenol	88-06-2	NC	NC	241 U	816 U	237 U	247 U	240 U	279 U	255 U
2,4-Dichlorophenol	120-83-2	100,000[CP]	NC	241 U	816 U	237 U	247 U	240 U	279 U	255 U
2,4-Dimethylphenol	105-67-9	NC	NC	241 U	816 U	237 U	247 U	240 U	279 U	255 U
2,4-Dinitrophenol	51-28-5	100,000[CP]	NC	422 U	1,430 U	414 U	432 U	421 U	488 U	446 U
2,4-Dinitrotoluene	121-14-2	NC	NC	121 U	408 U	118 U	123 U	120 U	139 U	127 U
2,6-Dinitrotoluene	606-20-2	1,030[CP]	NC	121 U	408 U	118 U	123 U	120 U	139 U	127 U
2-Chloronaphthalene	91-58-7	NC	NC	121 U	408 U	118 U	123 U	120 U	139 U	127 U
2-Chlorophenol	95-57-8	100,000[CP]	NC	241 U	816 U	237 U	247 U	240 U	279 U	255 U
2-Methylnaphthalene	91-57-6	*410* [CP]	NC	121 U	408 U	30.3	123 U	120 U	139 U	525
2-Methylphenol	95-48-7	100,000	100,000	241 U	816 U	237 U	247 U	240 U	279 U	255 U
2-Nitroaniline	88-74-4	NC	NC	241 U	816 U	237 U	247 U	240 U	279 U	255 U
2-Nitrophenol	88-75-5	NC	NC	241 U	816 U	237 U	247 U	240 U	279 U	255 U
3,3-Dichlorobenzidine	91-94-1	NC	NC	241 U	816 U	237 U	247 U	240 U	279 U	255 U
3-Nitroaniline	99-09-2	NC	NC	241 U	816 U	237 U	247 U	240 U	279 U	255 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	NC	241 U	816 U	237 U	247 U	240 U	279 U	255 U
4-Bromophenyl-phenylether	101-55-3	NC	NC	121 U	408 U	118 U	123 U	120 U	139 U	127 U
4-Chloro-3-methylphenol	59-50-7	NC	NC	241 U	816 U	237 U	247 U	240 U	279 U	255 U
4-Chloroaniline	106-47-8	100,000[CP]	NC	241 U	816 U	237 U	247 U	240 U	279 U	255 U
4-Chlorophenyl-phenylether	7005-72-3	NC	NC	121 U	408 U	118 U	123 U	120 U	139 U	127 U
4-Nitroaniline	100-01-6	NC	NC	241 U	816 U	237 U	247 U	240 U	279 U	255 U
4-Nitrophenol	100-02-7	NC	NC	241 U	816 U	237 U	247 U	240 U	279 U	255 U
Acenaphthene	83-32-9	100,000	100,000	60.3 U	204 U	48.2	61.7 U	60.1 U	69.7 U	1030
Acenaphthylene	208-96-8	100,000	100,000	60.3 U	204 U	33.1	61.7 U	60.1 U	69.7 U	560
Acetophenone	98-86-2	NC	NC	121 U	408 U	181	123 U	120 U	139 U	131
Anthracene	120-12-7	100,000	100,000	60.3 U	204 U	270	61.7 U	60.1 U	69.7 U	3360
Atrazine	1912-24-9	NC	NC	121 U	408 U	118 U	123 U	120 U	139 U	127 U
Benzaldehyde	100-52-7	NC	NC	241 U	816 U	35.5	247 U	240 U	279 U	255 U
Benzidine	92-87-5	NC	NC	241 U	816 U	237 U	247 U	240 U	279 U	255 U
Benzo[a]anthracene	56-55-3	1,000	1,000	60.3 U	413	1,060	61.7 U	60.1 U	69.7 U	5,870
Benzo[a]pyrene	50-32-8	1,000	1,000	60.3 U	324	910	61.7 U	60.1 U	69.7 U	5,120
Benzo[b]fluoranthene	205-99-2	1,000	1,000	60.3 U	261	1,240	61.7 U	60.1 U	69.7 U	5,990
Benzo[g,h,i]perylene	191-24-2	100,000	100,000	60.3 U	554	620	61.7 U	60.1 U	69.7 U	3,230
Benzo[k]fluoranthene	207-08-9	1,000	3,900	60.3 U	204 U	452	61.7 U	60.1 U	69.7 U	2,260
Bis(2-Chloroethoxy)methane	111-91-1	NC	NC	121 U	408 U	118 U	123 U	120 U	139 U	127 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	NC	121 U	408 U	118 U	123 U	120 U	139 U	127 U
Bis(2-Chloroisopropyl)ether	108-60-1	NC	NC	121 U	408 U	118 U	123 U	120 U	139 U	127 U
Bis(2-Ethylhexyl)phthalate	117-81-7	50,000[CP]	NC	302 U	1,020 U	296 U	309 U	301 U	348 U	221
Butylbenzylphthalate	85-68-7	100,000[CP]	NC	121 U	408 U	26.4	123 U	120 U	139 U	80
Caprolactam	105-60-2	NC	NC	241 U	816 U	237 U	247 U	240 U	279 U	255 U
Carbazole	86-74-8	NC	NC	121 U	408 U	147	123 U	120 U	139 U	1,000
Chrysene	218-01-9	1,000	3,900	60.3 U	935	1,170	61.7 U	60.1 U	69.7 U	5,840
Dibenzo[a,h]Anthracene	53-70-3	330	330	60.3 U	375	171	61.7 U	60.1 U	69.7 U	810
Dibenzofuran	132-64-9	14,000	59,000	121 U	408 U	50.6	123 U	120 U	139 U	959
Diethylphthalate	84-66-2	100,000[CP]	NC	121 U	408 U	118 U	123 U	120 U	139 U	127 U
Dimethylphthalate	131-11-3	100,000[CP]	NC	121 U	408 U	118 U	123 U	120 U	139 U	127 U
Di-n-butylphthalate	84-74-2	100,000[CP]	NC	121 U	408 U	118 U	123 U	120 U	139 U	127 U
Di-n-octylphthalate	117-84-0	100,000[CP]	NC	121 U	408 U	118 U	123 U	120 U	139 U	127 U
Fluoranthene	206-44-0	100,000	100,000	60.3 U	204 U	1970	61.7 U	60.1 U	69.7 U	13,900
Fluorene	86-73-7	100,000	100,000	60.3 U	204 U	66.8	61.7 U	60.1 U	69.7 U	1,780
Hexachlorobenzene	118-74-1	330, 410[CP]	1,200	121 U	408 U	118 U	123 U	120 U	139 U	127 U
Hexachlorobutadiene	87-68-3	NC	NC	121 U	408 U	118 U	123 U	120 U	139 U	127 U
Hexachlorocyclopentadiene	77-47-4	NC	NC	241 U	816 U	237 U	247 U	240 U	279 U	255 U
Hexachloroethane	67-72-1	NC	NC	121 U	408 U	118 U	123 U	120 U	139 U	127 U
Indeno[1,2,3-cd]pyrene	193-39-5	500	500	60.3 U	192	624	61.7 U	60.1 U	69.7 U	3,530
Isophorone	78-59-1	100,000[CP]	NC	121 U	408 U	118 U	123 U	120 U	139 U	127 U
m-Cresol & p-Cresol	MEPH1314	NC	NC	241 U	816 U	237 U	247 U	240 U	279 U	64.9
Naphthalene	91-20-3	100,000	100,000	60.3 U	204 U	44.2	61.7 U	60.1 U	69.7 U	1410
Nitrobenzene	98-95-3	3700[CP]	NC	121 U	408 U	118 U	123 U	120 U	139 U	127 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	NC	121 U	408 U	118 U	123 U	120 U	139 U	127 U
N-Nitrosodiphenylamine	86-30-6	NC	NC	121 U	408 U	118 U	123 U	120 U	139 U	127 U
Pentachlorophenol	87-86-5	2,400	6,700	241 U	816 U	237 U	247 U	240 U	279 U	255 U
Phenanthrene	85-01-8	100,000	100,000	60.3 U	391	1180	61.7 U	60.1 U	69.7 U	13,800
Phenol	108-95-2	100,000	100,000	241 U	816 U	237 U	247 U	240 U	279 U	255 U
Pyrene	129-00-0	100,000	100,000	60.3 U	89.3	1690	61.7 U	60.1 U	69.7 U	10,800
Pyridine	110-86-1	NC	NC	241 U	816 U	237 U	247 U	240 U	279 U	255 U
Total SVOC TICs	NA	NC	NC	14,724	53,090	702	5,116	NT	6,216	30,040

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.

	Exceeds Residential Use SCO listed in Part 375 or CP-51
	Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 8B - Subsurface Soil Results Compared to Restricted SCOs
SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

					bb/fill	fill					
			Sample Location	SB-149	SB-149[BB]	SB-150	SB-152	SB-154	SB-155	SB-156	SB-157
			Sample ID	SB-149-10-11-040616	SB-149-4-5-040616	SB-150-3-4-022916	SB-152-6-7-030316	SB-154-15-17-030316	SB-155-2-3-031016	SB-156-16-17-030916	SB-157-20.5-21.5-030916
			Sample Date	4/6/2016	4/6/2016	2/29/2016	3/3/2016	3/3/2016	3/10/2016	3/9/2016	3/9/2016
			Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
			Lab SDG	2136537	2136537	2127346	2129473	2129473	2130254	2130254	2130254
			Start Depth	10	4	3	6	15	2	16	20.5
			End Depth	11	5	4	7	17	3	17	21.5
Chemical Name	CAS #	NY Part 375 Residential SCO[1]	NY Part 375 Restricted Residential SCO[1]								
SVOCs											
1,1'-Biphenyl	92-52-4	NC	NC	119 U	179 U	77.9	119 U	127 U	124 U	105 U	120 U
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	NC	119 U	179 U	125 U	119 U	127 U	124 U	105 U	120 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	NC	238 U	358 U	250 U	238 U	255 U	249 U	210 U	240 U
2,4,5-Trichlorophenol	95-95-4	100,000[CP]	NC	238 U	358 U	250 U	238 U	255 U	249 U	210 U	240 U
2,4,6-Trichlorophenol	88-06-2	NC	NC	238 U	358 U	250 U	238 U	255 U	249 U	210 U	240 U
2,4-Dichlorophenol	120-83-2	100,000[CP]	NC	238 U	358 U	250 U	238 U	255 U	249 U	210 U	240 U
2,4-Dimethylphenol	105-67-9	NC	NC	238 U	358 U	35.6	238 U	255 U	249 U	210 U	240 U
2,4-Dinitrophenol	51-28-5	100,000[CP]	NC	417 U	626 U	250 U	417 U	446 U	435 U	368 U	421 U
2,4-Dinitrotoluene	121-14-2	NC	NC	119 U	179 U	125 U	119 U	127 U	124 U	105 U	120 U
2,6-Dinitrotoluene	606-20-2	1,030[CP]	NC	119 U	179 U	125 U	119 U	127 U	124 U	105 U	120 U
2-Chloronaphthalene	91-58-7	NC	NC	119 U	179 U	125 U	119 U	127 U	124 U	105 U	120 U
2-Chlorophenol	95-57-8	100,000[CP]	NC	238 U	358 U	250 U	238 U	255 U	249 U	210 U	240 U
2-Methylnaphthalene	91-57-6	*410* [CP]	NC	119 U	68	314	119 U	127 U	124 U	105 U	120 U
2-Methylphenol	95-48-7	100,000	100,000	238 U	358 U	42.5	238 U	255 U	249 U	210 U	240 U
2-Nitroaniline	88-74-4	NC	NC	238 U	358 U	250 U	238 U	255 U	249 U	210 U	240 U
2-Nitrophenol	88-75-5	NC	NC	238 U	358 U	250 U	238 U	255 U	249 U	210 U	240 U
3,3-Dichlorobenzidine	91-94-1	NC	NC	238 U	358 U	250 U	238 U	255 U	249 U	210 U	240 U
3-Nitroaniline	99-09-2	NC	NC	238 U	358 U	250 U	238 U	255 U	249 U	210 U	240 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	NC	238 U	358 U	250 U	238 U	255 U	249 U	210 U	240 U
4-Bromophenyl-phenylether	101-55-3	NC	NC	119 U	179 U	125 U	119 U	127 U	124 U	105 U	120 U
4-Chloro-3-methylphenol	59-50-7	NC	NC	238 U	358 U	250 U	238 U	255 U	249 U	210 U	240 U
4-Chloroaniline	106-47-8	100,000[CP]	NC	238 U	358 U	250 U	238 U	255 U	249 U	210 U	240 U
4-Chlorophenyl-phenylether	7005-72-3	NC	NC	119 U	179 U	125 U	119 U	127 U	124 U	105 U	120 U
4-Nitroaniline	100-01-6	NC	NC	238 U	358 U	250 U	238 U	255 U	249 U	210 U	240 U
4-Nitrophenol	100-02-7	NC	NC	238 U	358 U	250 U	238 U	255 U	249 U	210 U	240 U
Acenaphthene	83-32-9	100,000	100,000	59.6 U	89.4 U	415	59.6 U	63.6 U	62.2 U	52.6 U	60.1 U
Acenaphthylene	208-96-8	100,000	100,000	59.6 U	89.4 U	765	59.6 U	63.6 U	62.2 U	52.6 U	60.1 U
Acetophenone	98-86-2	NC	NC	119 U	179 U	52.6	119 U	127 U	124 U	105 U	120 U
Anthracene	120-12-7	100,000	100,000	59.6 U	89.4 U	1960	41.4	63.6 U	62.2 U	52.6 U	60.1 U
Atrazine	1912-24-9	NC	NC	119 U	179 U	125 U	119 U	127 U	124 U	105 U	120 U
Benzaldehyde	100-52-7	NC	NC	238 U	48.6	103	238 U	255 U	249 U	210 U	240 U
Benzidine	92-87-5	NC	NC	238 U	358 U	250 U	238 U	255 U	249 U	210 U	240 U
Benzo[a]anthracene	56-55-3	1,000	1,000	59.6 U	101	5,950	120	63.6 U	62.2 U	52.6 U	60.1 U
Benzo[a]pyrene	50-32-8	1,000	1,000	59.6 U	89.4 U	6,500	111	63.6 U	62.2 U	52.6 U	60.1 U
Benzo[b]fluoranthene	205-99-2	1,000	1,000	59.6 U	47.8	8,680	146	63.6 U	62.2 U	52.6 U	60.1 U
Benzo[g,h,i]perylene	191-24-2	100,000	100,000	59.6 U	46.7	4,310	101	63.6 U	62.2 U	52.6 U	60.1 U
Benzo[k]fluoranthene	207-08-9	1,000	3,900	59.6 U	89.4 U	3,030	54.1	63.6 U	62.2 U	52.6 U	60.1 U
Bis(2-Chloroethoxy)methane	111-91-1	NC	NC	119 U	179 U	125 U	119 U	127 U	124 U	105 U	120 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	NC	119 U	179 U	125 U	119 U	127 U	124 U	105 U	120 U
Bis(2-Chloroisopropyl)ether	108-60-1	NC	NC	119 U	179 U	125 U	119 U	127 U	124 U	105 U	120 U
Bis(2-Ethylhexyl)phthalate	117-81-7	50,000[CP]	NC	298 U	447 U	57.4	298 U	318 U	311 U	263 U	300 U
Butylbenzylphthalate	85-68-7	100,000[CP]	NC	119 U	179 U	125 U	119 U	127 U	124 U	105 U	120 U
Caprolactam	105-60-2	NC	NC	238 U	358 U	250 U	238 U	255 U	249 U	210 U	240 U
Carbazole	86-74-8	NC	NC	119 U	179 U	516	30.5	127 U	124 U	105 U	120 U
Chrysene	218-01-9	1,000	3,900	59.6 U	195	6,200	135	63.6 U	62.2 U	52.6 U	60.1 U
Dibenzo[a,h]Anthracene	53-70-3	330	330	59.6 U	48.2	NA	59.6 U	63.6 U	62.2 U	52.6 U	60.1 U
Dibenzofuran	132-64-9	14,000	59,000	119 U	179 U	552	25.6	127 U	124 U	105 U	120 U
Diethylphthalate	84-66-2	100,000[CP]	NC	119 U	179 U	125 U	119 U	127 U	124 U	105 U	120 U
Dimethylphthalate	131-11-3	100,000[CP]	NC	119 U	179 U	125 U	119 U	127 U	124 U	105 U	120 U
Di-n-butylphthalate	84-74-2	100,000[CP]	NC	119 U	179 U	125 U	119 U	127 U	124 U	105 U	120 U
Di-n-octylphthalate	117-84-0	100,000[CP]	NC	119 U	179 U	125 U	119 U	127 U	124 U	105 U	120 U
Fluoranthene	206-44-0	100,000	100,000	59.6 U	89.4 U	8,550	199	63.6 U	62.2 U	52.6 U	60.1 U
Fluorene	86-73-7	100,000	100,000	59.6 U	89.4 U	538	27.6	63.6 U	62.2 U	52.6 U	60.1 U
Hexachlorobenzene	118-74-1	330, 410[CP]	1,200	119 U	179 U	125 U	119 U	127 U	124 U	105 U	120 U
Hexachlorobutadiene	87-68-3	NC	NC	119 U	179 U	125 U	119 U	127 U	124 U	105 U	120 U
Hexachlorocyclopentadiene	77-47-4	NC	NC	238 U	358 U	250 U	238 U	255 U	249 U	210 U	240 U
Hexachloroethane	67-72-1	NC	NC	119 U	179 U	125 U	119 U	127 U	124 U	105 U	120 U
Indeno[1,2,3-cd]pyrene	193-39-5	500	500	59.6 U	89.4 U	4,800	78.8	63.6 U	62.2 U	52.6 U	60.1 U
Isophorone	78-59-1	100,000[CP]	NC	119 U	179 U	125 U	119 U	127 U	124 U	105 U	120 U
m-Cresol & p-Cresol	MEPH1314	NC	NC	238 U	358 U	115	238 U	255 U	249 U	210 U	240 U
Naphthalene	91-20-3	100,000	100,000	59.6 U	38.3	485	31	63.6 U	62.2 U	52.6 U	60.1 U
Nitrobenzene	98-95-3	3700[CP]	NC	119 U	179 U	125 U	119 U	127 U	124 U	105 U	120 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	NC	119 U	179 U	125 U	119 U	127 U	124 U	105 U	120 U
N-Nitrosodiphenylamine	86-30-6	NC	NC	119 U	179 U	125 U	119 U	127 U	124 U	105 U	120 U
Pentachlorophenol	87-86-5	2,400	6,700	238 U	358 U	250 U	238 U	255 U	249 U	210 U	240 U
Phenanthrene	85-01-8	100,000	100,000	35.7	330	5,650	163	63.6 U	62.2 U	52.6 U	60.1 U
Phenol	108-95-2	100,000	100,000	238 U	358 U	85.5	238 U	255 U	249 U	210 U	240 U
Pyrene	129-00-0	100,000	100,000	59.6 U	39.5	8,470	183	63.6 U	62.2 U	52.6 U	60.1 U
Pyridine	110-86-1	NC	NC	238 U	358 U	NA	238 U	255 U	249 U	210 U	240 U
Total SVOC TICs	NA	NC	NC	11516	4435	30,494	851	14,554	1,352	NT	NT

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.

Exceeds Residential Use SCO listed in Part 375 or CP-51
Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 8B - Subsurface Soil Results Compared to Restricted SCOs
SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

						fill				
			Sample Location	SB-158	SB-159	SB-160	SB-161	SB-162	SB-163	SB-164
			Sample ID	SB-158-16-17.5-030816	SB-159-17-18-030916	SB-160-4-5-030916	SB-161-24-26-030816	SB-162-19-20-030816	SB-163-13.5-16-030816	SB-164-4-5.9-030716
			Sample Date	3/8/2016	3/9/2016	3/9/2016	3/8/2016	3/8/2016	3/8/2016	3/7/2016
			Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
			Lab SDG	2130254	2130254	2130254	2130254	2130254	2130254	2129473
			Start Depth	16	17	4	24	19	13.5	4
			End Depth	17.5	18	5	26	20	16	5.9
Chemical Name	CAS #	NY Part 375 Residential SCO[1]	NY Part 375 Restricted Residential SCO[1]							
SVOCs										
1,1'-Biphenyl	92-52-4	NC	NC	108 U	125 U	110 U	112 U	121 U	117 U	107 U
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	NC	108 U	125 U	110 U	112 U	121 U	117 U	107 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	NC	215 U	250 U	220 U	224 U	242 U	235 U	214 U
2,4,5-Trichlorophenol	95-95-4	100,000[CP]	NC	215 U	250 U	220 U	224 U	242 U	235 U	214 U
2,4,6-Trichlorophenol	88-06-2	NC	NC	215 U	250 U	220 U	224 U	242 U	235 U	214 U
2,4-Dichlorophenol	120-83-2	100,000[CP]	NC	215 U	250 U	220 U	224 U	242 U	235 U	214 U
2,4-Dimethylphenol	105-67-9	NC	NC	215 U	250 U	220 U	224 U	242 U	235 U	214 U
2,4-Dinitrophenol	51-28-5	100,000[CP]	NC	376 U	438 U	386 U	393 U	424 U	411 U	374 U
2,4-Dinitrotoluene	121-14-2	NC	NC	108 U	125 U	110 U	112 U	121 U	117 U	107 U
2,6-Dinitrotoluene	606-20-2	1,030[CP]	NC	108 U	125 U	110 U	112 U	121 U	117 U	107 U
2-Chloronaphthalene	91-58-7	NC	NC	108 U	125 U	110 U	112 U	121 U	117 U	107 U
2-Chlorophenol	95-57-8	100,000[CP]	NC	215 U	250 U	220 U	224 U	242 U	235 U	214 U
2-Methylnaphthalene	91-57-6	*410* [CP]	NC	108 U	125 U	110 U	112 U	121 U	117 U	107 U
2-Methylphenol	95-48-7	100,000	100,000	215 U	250 U	220 U	224 U	242 U	235 U	214 U
2-Nitroaniline	88-74-4	NC	NC	215 U	250 U	220 U	224 U	242 U	235 U	214 U
2-Nitrophenol	88-75-5	NC	NC	215 U	250 U	220 U	224 U	242 U	235 U	214 U
3,3-Dichlorobenzidine	91-94-1	NC	NC	215 U	250 U	220 U	224 U	242 U	235 U	214 U
3-Nitroaniline	99-09-2	NC	NC	215 U	250 U	220 U	224 U	242 U	235 U	214 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	NC	215 U	250 U	220 U	224 U	242 U	235 U	214 U
4-Bromophenyl-phenylether	101-55-3	NC	NC	108 U	125 U	110 U	112 U	121 U	117 U	107 U
4-Chloro-3-methylphenol	59-50-7	NC	NC	215 U	250 U	220 U	224 U	242 U	235 U	214 U
4-Chloroaniline	106-47-8	100,000[CP]	NC	215 U	250 U	220 U	224 U	242 U	235 U	214 U
4-Chlorophenyl-phenylether	7005-72-3	NC	NC	108 U	125 U	110 U	112 U	121 U	117 U	107 U
4-Nitroaniline	100-01-6	NC	NC	215 U	250 U	220 U	224 U	242 U	235 U	214 U
4-Nitrophenol	100-02-7	NC	NC	215 U	250 U	220 U	224 U	242 U	235 U	214 U
Acenaphthene	83-32-9	100,000	100,000	53.8 U	62.6 U	55.1 U	56.1 U	60.6 U	58.7 U	53.5 U
Acenaphthylene	208-96-8	100,000	100,000	53.8 U	62.6 U	55.1 U	56.1 U	60.6 U	58.7 U	53.5 U
Acetophenone	98-86-2	NC	NC	108 U	125 U	110 U	112 U	142	117 U	107 U
Anthracene	120-12-7	100,000	100,000	53.8 U	62.6 U	55.1 U	56.1 U	60.6 U	58.7 U	53.5 U
Atrazine	1912-24-9	NC	NC	108 U	125 U	110 U	112 U	121 U	117 U	107 U
Benzaldehyde	100-52-7	NC	NC	215 U	250 U	220 U	224 U	242 U	235 U	214 U
Benzidine	92-87-5	NC	NC	215 U	250 U	220 U	224 U	242 U	235 U	214 U
Benzo[a]anthracene	56-55-3	1,000	1,000	53.8 U	62.6 U	21.5	56.1 U	60.6 U	58.7 U	53.5 U
Benzo[a]pyrene	50-32-8	1,000	1,000	53.8 U	62.6 U	55.1 U	56.1 U	60.6 U	58.7 U	53.5 U
Benzo[b]fluoranthene	205-99-2	1,000	1,000	53.8 U	62.6 U	33.7	56.1 U	60.6 U	58.7 U	53.5 U
Benzo[g,h,i]perylene	191-24-2	100,000	100,000	53.8 U	62.6 U	55.1 U	56.1 U	60.6 U	58.7 U	53.5 U
Benzo[k]fluoranthene	207-08-9	1,000	3,900	53.8 U	62.6 U	55.1 U	56.1 U	60.6 U	58.7 U	53.5 U
Bis(2-Chloroethoxy)methane	111-91-1	NC	NC	108 U	125 U	110 U	112 U	121 U	117 U	107 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	NC	108 U	125 U	110 U	112 U	121 U	117 U	107 U
Bis(2-Chloroisopropyl)ether	108-60-1	NC	NC	108 U	125 U	110 U	112 U	121 U	117 U	107 U
Bis(2-Ethylhexyl)phthalate	117-81-7	50,000[CP]	NC	269 U	313 U	276 U	280 U	303 U	293 U	267 U
Butylbenzylphthalate	85-68-7	100,000[CP]	NC	108 U	125 U	110 U	112 U	121 U	117 U	107 U
Caprolactam	105-60-2	NC	NC	215 U	250 U	220 U	224 U	242 U	235 U	214 U
Carbazole	86-74-8	NC	NC	108 U	125 U	110 U	112 U	121 U	117 U	107 U
Chrysene	218-01-9	1,000	3,900	53.8 U	62.6 U	55.1 U	56.1 U	60.6 U	58.7 U	53.5 U
Dibenzo[a,h]Anthracene	53-70-3	330	330	53.8 U	62.6 U	55.1 U	56.1 U	60.6 U	58.7 U	53.5 U
Dibenzofuran	132-64-9	14,000	59,000	108 U	125 U	110 U	112 U	121 U	117 U	107 U
Diethylphthalate	84-66-2	100,000[CP]	NC	108 U	125 U	110 U	112 U	121 U	117 U	107 U
Dimethylphthalate	131-11-3	100,000[CP]	NC	108 U	125 U	110 U	112 U	121 U	117 U	107 U
Di-n-butylphthalate	84-74-2	100,000[CP]	NC	108 U	125 U	110 U	112 U	121 U	117 U	107 U
Di-n-octylphthalate	117-84-0	100,000[CP]	NC	108 U	125 U	110 U	112 U	121 U	117 U	107 U
Fluoranthene	206-44-0	100,000	100,000	53.8 U	62.6 U	30.4	56.1 U	60.6 U	58.7 U	53.5 U
Fluorene	86-73-7	100,000	100,000	53.8 U	62.6 U	55.1 U	56.1 U	60.6 U	58.7 U	53.5 U
Hexachlorobenzene	118-74-1	330, 410[CP]	1,200	108 U	125 U	110 U	112 U	121 U	117 U	107 U
Hexachlorobutadiene	87-68-3	NC	NC	108 U	125 U	110 U	112 U	121 U	117 U	107 U
Hexachlorocyclopentadiene	77-47-4	NC	NC	215 U	250 U	220 U	224 U	242 U	235 U	214 U
Hexachloroethane	67-72-1	NC	NC	108 U	125 U	110 U	112 U	121 U	117 U	107 U
Indeno[1,2,3-cd]pyrene	193-39-5	500	500	53.8 U	62.6 U	55.1 U	56.1 U	60.6 U	58.7 U	53.5 U
Isophorone	78-59-1	100,000[CP]	NC	108 U	125 U	110 U	112 U	121 U	117 U	107 U
m-Cresol & p-Cresol	MEPH1314	NC	NC	215 U	250 U	220 U	224 U	242 U	235 U	214 U
Naphthalene	91-20-3	100,000	100,000	53.8 U	62.6 U	55.1 U	56.1 U	60.6 U	58.7 U	24.2
Nitrobenzene	98-95-3	3700[CP]	NC	108 U	125 U	110 U	112 U	121 U	117 U	107 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	NC	108 U	125 U	110 U	112 U	121 U	117 U	107 U
N-Nitrosodiphenylamine	86-30-6	NC	NC	108 U	125 U	110 U	112 U	121 U	117 U	107 U
Pentachlorophenol	87-86-5	2,400	6,700	215 U	250 U	220 U	224 U	242 U	235 U	214 U
Phenanthrene	85-01-8	100,000	100,000	53.8 U	62.6 U	55.1 U	56.1 U	60.6 U	58.7 U	53.5 U
Phenol	108-95-2	100,000	100,000	215 U	250 U	220 U	224 U	242 U	235 U	214 U
Pyrene	129-00-0	100,000	100,000	53.8 U	62.6 U	24.9	56.1 U	60.6 U	58.7 U	53.5 U
Pyridine	110-86-1	NC	NC	215 U	250 U	220 U	224 U	242 U	235 U	214 U
Total SVOC TICs	NA	NC	NC	NT	407	NT	NT	10,841	NT	289

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.

(green)	Exceeds Residential Use SCO listed in Part 375 or CP-51
(orange)	Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 8B - Subsurface Soil Results Compared to Restricted SCOs
SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

			Sample Location	SB-165	SB-166	SB-167	SB-168	SB-169	SB-170	SB-172
			Sample ID	SB-165-22-23-030716	SB-166-13-15-030816	SB-167-18-19-030716	SB-168-16-17-030816	SB-169-16-17-030716	SB-170-16-16.8-022916	SB-172-8.8-9.6-082217
			Sample Date	3/7/2016	3/8/2016	3/7/2016	3/8/2016	3/7/2016	2/29/2016	8/22/2017
			Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
			Lab SDG	2129473	2130254	2129473	2130254	2129473	2127346	2258101
			Start Depth	22	13	18	16	16	16	8.8
			End Depth	23	15	19	17	17	16.8	9.6
Chemical Name	CAS #	NY Part 375 Residential SCO[1]	NY Part 375 Restricted Residential SCO[1]							
SVOCs										
1,1'-Biphenyl	92-52-4	NC	NC	129 U	116 U	116 U	121 U	115 U	127 U	112 U
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	NC	129 U	116 U	116 U	121 U	115 U	127 U	112 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	NC	257 U	231 U	232 U	241 U	230 U	254 U	224 U
2,4,5-Trichlorophenol	95-95-4	100,000[CP]	NC	257 U	231 U	232 U	241 U	230 U	254 U	224 U
2,4,6-Trichlorophenol	88-06-2	NC	NC	257 U	231 U	232 U	241 U	230 U	254 U	224 U
2,4-Dichlorophenol	120-83-2	100,000[CP]	NC	257 U	231 U	232 U	241 U	230 U	254 U	224 U
2,4-Dimethylphenol	105-67-9	NC	NC	257 U	231 U	232 U	241 U	230 U	254 U	224 U
2,4-Dinitrophenol	51-28-5	100,000[CP]	NC	450 U	404 U	406 U	422 U	403 U	444 U	224 U
2,4-Dinitrotoluene	121-14-2	NC	NC	129 U	116 U	116 U	121 U	115 U	127 U	112 U
2,6-Dinitrotoluene	606-20-2	1,030[CP]	NC	129 U	116 U	116 U	121 U	115 U	127 U	112 U
2-Chloronaphthalene	91-58-7	NC	NC	129 U	116 U	116 U	121 U	115 U	127 U	112 U
2-Chlorophenol	95-57-8	100,000[CP]	NC	257 U	231 U	232 U	241 U	230 U	254 U	224 U
2-Methylnaphthalene	91-57-6	*410* [CP]	NC	129 U	116 U	116 U	121 U	1,200	127 U	112 U
2-Methylphenol	95-48-7	100,000	100,000	257 U	231 U	232 U	241 U	230 U	254 U	224 U
2-Nitroaniline	88-74-4	NC	NC	257 U	231 U	232 U	241 U	230 U	254 U	224 U
2-Nitrophenol	88-75-5	NC	NC	257 U	231 U	232 U	241 U	230 U	254 U	224 U
3,3-Dichlorobenzidine	91-94-1	NC	NC	257 U	231 U	232 U	241 U	230 U	254 U	224 U
3-Nitroaniline	99-09-2	NC	NC	257 U	231 U	232 U	241 U	230 U	254 U	224 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	NC	257 U	231 U	232 U	241 U	230 U	254 U	224 U
4-Bromophenyl-phenylether	101-55-3	NC	NC	129 U	116 U	116 U	121 U	115 U	127 U	112 U
4-Chloro-3-methylphenol	59-50-7	NC	NC	257 U	231 U	232 U	241 U	230 U	254 U	224 U
4-Chloroaniline	106-47-8	100,000[CP]	NC	257 U	231 U	232 U	241 U	230 U	254 U	224 U
4-Chlorophenyl-phenylether	7005-72-3	NC	NC	129 U	116 U	116 U	121 U	115 U	127 U	112 U
4-Nitroaniline	100-01-6	NC	NC	257 U	231 U	232 U	241 U	230 U	254 U	224 U
4-Nitrophenol	100-02-7	NC	NC	257 U	231 U	232 U	241 U	230 U	254 U	224 U
Acenaphthene	83-32-9	100,000	100,000	64.3 U	57.8 U	58 U	60.3 U	57.6 U	63.4 U	56 U
Acenaphthylene	208-96-8	100,000	100,000	64.3 U	57.8 U	58 U	60.3 U	57.6 U	63.4 U	56 U
Acetophenone	98-86-2	NC	NC	129 U	116 U	116 U	121 U	115 U	127 U	112 U
Anthracene	120-12-7	100,000	100,000	64.3 U	57.8 U	58 U	60.3 U	37.6	63.4 U	56 U
Atrazine	1912-24-9	NC	NC	129 U	116 U	116 U	121 U	115 U	127 U	112 U
Benzaldehyde	100-52-7	NC	NC	257 U	231 U	232 U	241 U	230 U	254 U	224 U
Benzidine	92-87-5	NC	NC	257 U	231 U	232 U	241 U	230 U	254 U	224 U
Benzo[a]anthracene	56-55-3	1,000	1,000	64.3 U	57.8 U	58 U	60.3 U	57.6 U	63.4 U	56 U
Benzo[a]pyrene	50-32-8	1,000	1,000	64.3 U	57.8 U	58 U	60.3 U	57.6 U	63.4 U	56 U
Benzo[b]fluoranthene	205-99-2	1,000	1,000	64.3 U	57.8 U	58 U	60.3 U	57.6 U	63.4 U	56 U
Benzo[g,h,i]perylene	191-24-2	100,000	100,000	64.3 U	57.8 U	58 U	60.3 U	57.6 U	63.4 U	56 U
Benzo[k]fluoranthene	207-08-9	1,000	3,900	64.3 U	57.8 U	58 U	60.3 U	57.6 U	63.4 U	56 U
Bis(2-Chloroethoxy)methane	111-91-1	NC	NC	129 U	116 U	116 U	121 U	115 U	127 U	112 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	NC	129 U	116 U	116 U	121 U	115 U	127 U	112 U
Bis(2-Chloroisopropyl)ether	108-60-1	NC	NC	129 U	116 U	116 U	121 U	115 U	127 U	112 U
Bis(2-Ethylhexyl)phthalate	117-81-7	50,000[CP]	NC	322 U	289 U	290 U	302 U	288 U	317 U	112 U
Butylbenzylphthalate	85-68-7	100,000[CP]	NC	129 U	116 U	116 U	121 U	115 U	127 U	112 U
Caprolactam	105-60-2	NC	NC	257 U	231 U	232 U	241 U	230 U	254 U	224 U
Carbazole	86-74-8	NC	NC	129 U	116 U	116 U	121 U	115 U	127 U	112 U
Chrysene	218-01-9	1,000	3,900	64.3 U	57.8 U	58 U	60.3 U	36.3	63.4 U	56 U
Dibenzo[a,h]Anthracene	53-70-3	330	330	64.3 U	57.8 U	58 U	60.3 U	57.6 U	63.4 U	56 U
Dibenzofuran	132-64-9	14,000	59,000	129 U	116 U	116 U	121 U	115 U	127 U	112 U
Diethylphthalate	84-66-2	100,000[CP]	NC	129 U	116 U	116 U	121 U	115 U	127 U	112 U
Dimethylphthalate	131-11-3	100,000[CP]	NC	129 U	116 U	116 U	121 U	115 U	127 U	112 U
Di-n-butylphthalate	84-74-2	100,000[CP]	NC	129 U	116 U	116 U	121 U	115 U	127 U	112 U
Di-n-octylphthalate	117-84-0	100,000[CP]	NC	129 U	116 U	116 U	121 U	115 U	127 U	112 U
Fluoranthene	206-44-0	100,000	100,000	64.3 U	57.8 U	58 U	60.3 U	57.6 U	63.4 U	56 U
Fluorene	86-73-7	100,000	100,000	64.3 U	57.8 U	58 U	60.3 U	90.8	63.4 U	56 U
Hexachlorobenzene	118-74-1	330, 410[CP]	1,200	129 U	116 U	116 U	121 U	115 U	127 U	112 U
Hexachlorobutadiene	87-68-3	NC	NC	129 U	116 U	116 U	121 U	115 U	127 U	112 U
Hexachlorocyclopentadiene	77-47-4	NC	NC	257 U	231 U	232 U	241 U	230 U	254 U	224 U
Hexachloroethane	67-72-1	NC	NC	129 U	116 U	116 U	121 U	115 U	127 U	112 U
Indeno[1,2,3-cd]pyrene	193-39-5	500	500	64.3 U	57.8 U	58 U	60.3 U	57.6 U	63.4 U	56 U
Isophorone	78-59-1	100,000[CP]	NC	129 U	116 U	116 U	121 U	115 U	127 U	112 U
m-Cresol & p-Cresol	MEPH1314	NC	NC	257 U	231 U	232 U	241 U	230 U	254 U	224 U
Naphthalene	91-20-3	100,000	100,000	64.3 U	57.8 U	58 U	60.3 U	390	63.4 U	56 U
Nitrobenzene	98-95-3	3700[CP]	NC	129 U	116 U	116 U	121 U	115 U	127 U	112 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	NC	129 U	116 U	116 U	121 U	115 U	127 U	112 U
N-Nitrosodiphenylamine	86-30-6	NC	NC	129 U	116 U	116 U	121 U	115 U	127 U	112 U
Pentachlorophenol	87-86-5	2,400	6,700	257 U	231 U	232 U	241 U	230 U	254 U	224 U
Phenanthrene	85-01-8	100,000	100,000	64.3 U	57.8 U	23.5	60.3 U	203	63.4 U	56 U
Phenol	108-95-2	100,000	100,000	75.4	231 U	232 U	241 U	230 U	254 U	224 U
Pyrene	129-00-0	100,000	100,000	64.3 U	57.8 U	58 U	60.3 U	53.9	63.4 U	56 U
Pyridine	110-86-1	NC	NC	257 U	231 U	232 U	241 U	230 U	NA	224 U
Total SVOC TICs	NA	NC	NC	1,568	NT	18,103	NT	148,090	NT	NT

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.
Exceeds Residential Use SCO listed in Part 375 or CP-51
Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 8B - Subsurface Soil Results Compared to Restricted SCOs
SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

										fill
			Sample Location	SB-173	SB-174	SB-175	SB-176	SB-177	SB-178	SB-TP-131
			Sample ID	SB-173-12-15-082117	SB-174-12.5-15-082117	SB-175-21-21.4-030716	SB-176-6-7-041216	SB-177-5.5-6.5-031416	SB-178-1.5-2-031416	SB-TP-131-5-7-031516
			Sample Date	8/21/2017	8/21/2017	3/7/2016	4/12/2016	3/14/2016	3/14/2016	3/15/2016
			Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
			Lab SDG	2258101	2258101	2129473	2136537	2130903	2130903	2130900
			Start Depth	12	12.5	21	6	5.5	1.5	5
			End Depth	15	15	21.4	7	6.5	2	7
Chemical Name	**CAS #**	**NY Part 375 Residential SCO[1]**	**NY Part 375 Restricted Residential SCO[1]**							
SVOCs										
1,1'-Biphenyl	92-52-4	NC	NC	113 U	127 U	110 U	125 U	122 U	118 U	63.1
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	NC	113 U	127 U	110 U	125 U	122 U	118 U	130 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	NC	227 U	255 U	220 U	250 U	244 U	235 U	261 R
2,4,5-Trichlorophenol	95-95-4	100,000[CP]	NC	227 U	255 U	220 U	250 U	244 U	235 U	261 R
2,4,6-Trichlorophenol	88-06-2	NC	NC	227 U	255 U	220 U	250 U	244 U	235 U	261 R
2,4-Dichlorophenol	120-83-2	100,000[CP]	NC	227 UJ	255 U	220 U	250 U	244 U	235 U	261 U
2,4-Dimethylphenol	105-67-9	NC	NC	227 U	255 U	220 U	250 U	244 U	235 U	261 R
2,4-Dinitrophenol	51-28-5	100,000[CP]	NC	227 U	255 U	385 U	437 U	426 U	412 U	456 R
2,4-Dinitrotoluene	121-14-2	NC	NC	113 U	127 U	110 U	125 U	122 U	118 U	130 U
2,6-Dinitrotoluene	606-20-2	1,030[CP]	NC	113 U	127 U	110 U	125 U	122 U	118 U	130 U
2-Chloronaphthalene	91-58-7	NC	NC	113 U	127 U	110 U	125 U	122 U	118 U	130 U
2-Chlorophenol	95-57-8	100,000[CP]	NC	227 U	255 U	220 U	250 U	244 U	235 U	261 R
2-Methylnaphthalene	91-57-6	*410*[CP]	NC	113 U	127 U	110 U	125 U	122 U	118 U	45.8
2-Methylphenol	95-48-7	100,000	100,000	227 U	255 U	220 U	250 U	244 U	235 U	261 R
2-Nitroaniline	88-74-4	NC	NC	227 U	255 U	220 U	250 U	244 U	235 U	261 U
2-Nitrophenol	88-75-5	NC	NC	227 U	255 U	220 U	250 U	244 U	235 U	261 R
3,3-Dichlorobenzidine	91-94-1	NC	NC	227 U	255 U	220 U	250 U	244 U	235 U	261 U
3-Nitroaniline	99-09-2	NC	NC	227 U	255 U	220 U	250 U	244 U	235 U	261 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	NC	227 UJ	255 U	220 U	250 U	244 U	235 U	261 R
4-Bromophenyl-phenylether	101-55-3	NC	NC	113 U	127 U	110 U	125 U	122 U	118 U	130 U
4-Chloro-3-methylphenol	59-50-7	NC	NC	227 U	255 U	220 U	250 U	244 U	235 U	261 R
4-Chloroaniline	106-47-8	100,000[CP]	NC	227 U	255 U	220 U	250 U	244 U	235 U	261 U
4-Chlorophenyl-phenylether	7005-72-3	NC	NC	113 U	127 U	110 U	125 U	122 U	118 U	130 U
4-Nitroaniline	100-01-6	NC	NC	227 U	255 U	220 U	250 U	244 U	235 U	261 U
4-Nitrophenol	100-02-7	NC	NC	227 U	255 U	220 U	250 U	244 U	235 U	261 R
Acenaphthene	83-32-9	100,000	100,000	56.7 U	63.7 U	55 U	104	60.9 U	58.9 U	65.2 U
Acenaphthylene	208-96-8	100,000	100,000	56.7 U	63.7 U	55 U	62.5 U	60.9 U	58.9 U	118
Acetophenone	98-86-2	NC	NC	113 U	127 U	110 U	125 U	122 U	118 U	130 U
Anthracene	120-12-7	100,000	100,000	56.7 U	63.7 U	55 U	62.5 U	60.9 U	58.9 U	65.2 U
Atrazine	1912-24-9	NC	NC	113 U	127 U	110 U	125 U	122 U	118 U	130 U
Benzaldehyde	100-52-7	NC	NC	227 U	255 U	220 U	250 U	244 U	235 U	261 U
Benzidine	92-87-5	NC	NC	227 U	255 U	220 U	250 U	244 U	235 U	261 U
Benzo[a]anthracene	56-55-3	1,000	1,000	56.7 U	63.7 U	55 U	63.6	60.9 U	58.9 U	65.2 U
Benzo[a]pyrene	50-32-8	1,000	1,000	56.7 U	63.7 U	55 U	59.9	60.9 U	58.9 U	65.2 U
Benzo[b]fluoranthene	205-99-2	1,000	1,000	56.7 U	63.7 U	55 U	82	60.9 U	58.9 U	65.2 U
Benzo[g,h,i]perylene	191-24-2	100,000	100,000	56.7 U	63.7 U	55 U	42.9	60.9 U	58.9 U	65.2 U
Benzo[k]fluoranthene	207-08-9	1,000	3,900	56.7 U	63.7 U	55 U	62.5 U	60.9 U	58.9 U	65.2 U
Bis(2-Chloroethoxy)methane	111-91-1	NC	NC	113 U	127 U	110 U	125 U	122 U	118 U	130 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	NC	113 U	127 U	110 U	125 U	122 U	118 U	130 U
Bis(2-Chloroisopropyl)ether	108-60-1	NC	NC	113 U	127 U	110 U	125 U	122 U	118 U	130 U
Bis(2-Ethylhexyl)phthalate	117-81-7	50,000[CP]	NC	113 U	127 U	275 U	312 U	305 U	294 U	326 U
Butylbenzylphthalate	85-68-7	100,000[CP]	NC	113 U	127 U	110 U	125 U	122 U	118 U	130 U
Caprolactam	105-60-2	NC	NC	227 U	255 U	220 U	250 U	244 U	235 U	261 U
Carbazole	86-74-8	NC	NC	113 U	127 U	110 U	125 U	122 U	118 U	130 U
Chrysene	218-01-9	1,000	3,900	56.7 U	63.7 U	55 U	62.5	60.9 U	58.9 U	65.2 U
Dibenzo[a,h]Anthracene	53-70-3	330	330	56.7 U	63.7 U	55 U	62.5 U	60.9 U	58.9 U	65.2 U
Dibenzofuran	132-64-9	14,000	59,000	113 U	127 U	110 U	125 U	122 U	118 U	130 U
Diethylphthalate	84-66-2	100,000[CP]	NC	113 U	127 U	110 U	125 U	122 U	27.5	52.8
Dimethylphthalate	131-11-3	100,000[CP]	NC	113 U	127 U	110 U	125 U	122 U	118 U	130 U
Di-n-butylphthalate	84-74-2	100,000[CP]	NC	113 U	127 U	110 U	125 U	122 U	118 U	130 U
Di-n-octylphthalate	117-84-0	100,000[CP]	NC	113 U	127 U	110 U	125 U	122 U	118 U	130 U
Fluoranthene	206-44-0	100,000	100,000	56.7 U	63.7 U	55 U	152	60.9 U	58.9 U	65.2 U
Fluorene	86-73-7	100,000	100,000	56.7 U	63.7 U	55 U	165	60.9 U	58.9 U	65.1
Hexachlorobenzene	118-74-1	330, 410[CP]	1,200	113 U	127 U	110 U	125 U	122 U	118 U	130 U
Hexachlorobutadiene	87-68-3	NC	NC	113 U	127 U	110 U	125 U	122 U	118 U	130 U
Hexachlorocyclopentadiene	77-47-4	NC	NC	227 UJ	255 U	220 U	250 U	244 U	235 U	261 U
Hexachloroethane	67-72-1	NC	NC	113 U	127 U	110 U	125 U	122 U	118 U	130 U
Indeno[1,2,3-cd]pyrene	193-39-5	500	500	56.7 U	63.7 U	55 U	43.5	60.9 U	58.9 U	65.2 U
Isophorone	78-59-1	100,000[CP]	NC	113 U	127 U	110 U	125 U	122 U	118 U	130 U
m-Cresol & p-Cresol	MEPH1314	NC	NC	227 U	255 U	220 U	250 U	244 U	235 U	43.2
Naphthalene	91-20-3	100,000	100,000	56.7 U	63.7 U	55 U	62.5 U	60.9 U	58.9 U	65.2 U
Nitrobenzene	98-95-3	3700[CP]	NC	113 U	127 U	110 U	125 U	122 U	118 U	130 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	NC	113 U	127 U	110 U	125 U	122 U	118 U	130 U
N-Nitrosodiphenylamine	86-30-6	NC	NC	113 U	127 U	110 U	125 U	122 U	118 U	130 U
Pentachlorophenol	87-86-5	2,400	6,700	227 U	255 U	220 U	250 U	244 U	235 U	261 R
Phenanthrene	85-01-8	100,000	100,000	56.7 U	63.7 U	55 U	326	60.9 U	58.9 U	65.2 U
Phenol	108-95-2	100,000	100,000	227 U	255 U	220 U	250 U	244 U	235 U	261 R
Pyrene	129-00-0	100,000	100,000	56.7 U	63.7 U	55 U	117	60.9 U	58.9 U	65.2 U
Pyridine	110-86-1	NC	NC	227 U	255 U	220 U	250 U	244 U	235 U	261 U
Total SVOC TICs	NA	NC	NC	NT	NT	NT	53,440	542	586	11,126

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.

	Exceeds Residential Use SCO listed in Part 375 or CP-51
	Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 8B - Subsurface Soil Results Compared to Restricted SCOs
SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

				fill/bb	fill/bb	fill		fill	fill		
			Sample Location	SB-TP-139[BB]	SB-TP-139[BB]	SB-TP-144	SB-TP-147	TP-101	TP-102	TP-103	TP-103
			Sample ID	DUP-001-030716	SB-TP-139-12-14-030716	SB-TP-144-4-6-030916	SB-TP-147-16-18-031016	TP-101-2-4-012116	TP-102-1-3-012216	DUP-008-012116	TP-103-0-2-012116
			Sample Date	3/7/2016	3/7/2016	3/9/2016	3/10/2016	1/21/2016	1/22/2016	1/21/2016	1/21/2016
			Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
			Lab SDG	2129473	2129473	2130254	2130254	2120575	2120575	2120575	2120575
			Start Depth	12	12	4	16	2	1	0	0
			End Depth	14	14	6	18	4	3	2	2
Chemical Name	CAS #	NY Part 375 Residential SCO[1]	NY Part 375 Restricted Residential SCO[1]								
SVOCs											
1,1'-Biphenyl	92-52-4	NC	NC	121 U	113 U	107 U	102 U	106 U	71.8	43.5	109 U
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	NC	121 U	113 U	107 U	102 U	106 U	143 U	123 U	109 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	NC	242 U	226 U	214 U	205 U	212 U	285 U	246 U	217 U
2,4,5-Trichlorophenol	95-95-4	100,000[CP]	NC	242 U	226 U	214 U	205 U	212 U	285 U	246 U	217 U
2,4,6-Trichlorophenol	88-06-2	NC	NC	242 U	226 U	214 U	205 U	212 U	285 U	246 U	217 U
2,4-Dichlorophenol	120-83-2	100,000[CP]	NC	242 U	226 U	214 U	205 U	212 U	285 U	246 U	217 U
2,4-Dimethylphenol	105-67-9	NC	NC	242 U	226 U	214 U	205 U	212 U	285 U	246 U	217 U
2,4-Dinitrophenol	51-28-5	100,000[CP]	NC	424 U	396 U	374 U	358 U	371 U	499 U	431 U	381 U
2,4-Dinitrotoluene	121-14-2	NC	NC	121 U	113 U	107 U	102 U	106 U	143 U	123 U	109 U
2,6-Dinitrotoluene	606-20-2	1,030[CP]	NC	121 U	113 U	107 U	102 U	106 U	143 U	123 U	109 U
2-Chloronaphthalene	91-58-7	NC	NC	121 U	113 U	107 U	102 U	106 U	143 U	123 U	109 U
2-Chlorophenol	95-57-8	100,000[CP]	NC	242 U	226 U	214 U	205 U	212 U	285 U	246 U	217 U
2-Methylnaphthalene	91-57-6	*410* [CP]	NC	121 U	113 U	107 U	102 U	13.2	266	239	109
2-Methylphenol	95-48-7	100,000	100,000	242 U	226 U	214 U	205 U	212 U	285 U	246 U	217 U
2-Nitroaniline	88-74-4	NC	NC	242 U	226 U	214 U	205 U	212 U	285 U	246 U	217 U
2-Nitrophenol	88-75-5	NC	NC	242 U	226 U	214 U	205 U	212 U	285 U	246 U	217 U
3,3-Dichlorobenzidine	91-94-1	NC	NC	242 U	226 U	214 U	205 U	212 U	285 U	246 U	217 U
3-Nitroaniline	99-09-2	NC	NC	242 U	226 U	214 U	205 U	212 U	285 U	246 U	217 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	NC	242 U	226 U	214 U	205 U	212 U	285 U	246 U	217 U
4-Bromophenyl-phenylether	101-55-3	NC	NC	121 U	113 U	107 U	102 U	106 U	143 U	123 U	109 U
4-Chloro-3-methylphenol	59-50-7	NC	NC	242 U	226 U	214 U	205 U	212 U	285 U	246 U	217 U
4-Chloroaniline	106-47-8	100,000[CP]	NC	242 U	226 U	214 U	205 U	212 U	285 U	246 U	217 U
4-Chlorophenyl-phenylether	7005-72-3	NC	NC	121 U	113 U	107 U	102 U	106 U	143 U	123 U	109 U
4-Nitroaniline	100-01-6	NC	NC	242 U	226 U	214 U	205 U	212 U	285 U	246 U	217 U
4-Nitrophenol	100-02-7	NC	NC	242 U	226 U	214 U	205 U	212 U	285 U	246 U	217 U
Acenaphthene	83-32-9	100,000	100,000	60.5 U	56.6 U	53.4 U	51.2 U	53 U	71.3 U	122	54.4 U
Acenaphthylene	208-96-8	100,000	100,000	60.5 U	56.6 U	53.4 U	51.2 U	53 U	71.3 U	245	54.4 U
Acetophenone	98-86-2	NC	NC	121 U	113 U	107	102 U	106 U	63.8	59.6	109 U
Anthracene	120-12-7	100,000	100,000	60.5 U	56.6 U	53.4 U	51.2 U	53 U	106	497	54.4 U
Atrazine	1912-24-9	NC	NC	121 U	113 U	107 U	102 U	106 U	143 U	123 U	109 U
Benzaldehyde	100-52-7	NC	NC	242 U	226 U	214 U	205 U	212 U	285 U	52.3	217 U
Benzidine	92-87-5	NC	NC	242 U	226 U	214 U	205 U	212 U	285 U	246 U	217 U
Benzo[a]anthracene	56-55-3	1,000	1,000	60.5 U	56.6 U	44	51.2 U	93.6	490	940	70.9
Benzo[a]pyrene	50-32-8	1,000	1,000	60.5 U	56.6 U	36.4	51.2 U	114	333	801	83.8
Benzo[b]fluoranthene	205-99-2	1,000	1,000	60.5 U	56.6 U	50.8	51.2 U	158	377	998	108
Benzo[g,h,i]perylene	191-24-2	100,000	100,000	60.5 U	56.6 U	22.7	51.2 U	102	483	413	74.1
Benzo[k]fluoranthene	207-08-9	1,000	3,900	60.5 U	56.6 U	53.4 U	51.2 U	57.3	71.3 U	382	44.4
Bis(2-Chloroethoxy)methane	111-91-1	NC	NC	121 U	113 U	107 U	102 U	106 U	143 U	123 U	109 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	NC	121 U	113 U	107 U	102 U	106 U	143 U	123 U	109 U
Bis(2-Chloroisopropyl)ether	108-60-1	NC	NC	121 U	113 U	107 U	102 U	106 U	143 U	123 U	109 U
Bis(2-Ethylhexyl)phthalate	117-81-7	50,000[CP]	NC	303 U	283 U	267 U	256 U	265 U	356 U	308 U	272 U
Butylbenzylphthalate	85-68-7	100,000[CP]	NC	121 U	113 U	107 U	102 U	106 U	143 U	123 U	109 U
Caprolactam	105-60-2	NC	NC	242 U	226 U	214 U	205 U	212 U	285 U	246 U	217 U
Carbazole	86-74-8	NC	NC	121 U	113 U	107 U	102 U	106 U	143 U	167	109 U
Chrysene	218-01-9	1,000	3,900	60.5 U	56.6 U	37.7	51.2 U	100	998	927	70.3
Dibenzo[a,h]Anthracene	53-70-3	330	330	60.5 U	56.6 U	53.4 U	51.2 U	28.4	366	115	54.4 U
Dibenzofuran	132-64-9	14,000	59,000	121 U	113 U	107 U	102 U	106 U	66.2	204	109 U
Diethylphthalate	84-66-2	100,000[CP]	NC	121 U	113 U	107 U	102 U	106 U	143 U	123 U	109 U
Dimethylphthalate	131-11-3	100,000[CP]	NC	121 U	113 U	107 U	102 U	106 U	143 U	123 U	109 U
Di-n-butylphthalate	84-74-2	100,000[CP]	NC	121 U	113 U	107 U	102 U	106 U	143 U	123 U	109 U
Di-n-octylphthalate	117-84-0	100,000[CP]	NC	121 U	113 U	107 U	102 U	106 U	143 U	123 U	109 U
Fluoranthene	206-44-0	100,000	100,000	60.5 U	56.6 U	85.2	51.2 U	145	141	2120	121 U
Fluorene	86-73-7	100,000	100,000	60.5 U	56.6 U	53.4 U	51.2 U	53 U	71.3 U	212	54.4
Hexachlorobenzene	118-74-1	330, 410[CP]	1,200	121 U	113 U	107 U	102 U	106 U	143 U	123 U	109 U
Hexachlorobutadiene	87-68-3	NC	NC	121 U	113 U	107 U	102 U	106 U	143 U	123 U	109 U
Hexachlorocyclopentadiene	77-47-4	NC	NC	242 U	226 U	214 U	205 U	212 U	285 U	246 U	217 U
Hexachloroethane	67-72-1	NC	NC	121 U	113 U	107 U	102 U	106 U	143 U	123 U	109 U
Indeno[1,2,3-cd]pyrene	193-39-5	500	500	60.5 U	56.6 U	25.8	51.2 U	95.3	141	451	70.9 U
Isophorone	78-59-1	100,000[CP]	NC	121 U	113 U	107 U	102 U	106 U	143 U	123 U	109 U
m-Cresol & p-Cresol	MEPH1314	NC	NC	242 U	226 U	214 U	205 U	212 U	285 U	43.4	217 U
Naphthalene	91-20-3	100,000	100,000	60.5 U	56.6 U	53.4 U	51.2 U	53 U	121	258	54.4
Nitrobenzene	98-95-3	3700[CP]	NC	121 U	113 U	107 U	102 U	106 U	143 U	123 U	109 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	NC	121 U	113 U	107 U	102 U	106 U	143 U	123 U	109 U
N-Nitrosodiphenylamine	86-30-6	NC	NC	121 U	113 U	107 U	102 U	106 U	143 U	123 U	109 U
Pentachlorophenol	87-86-5	2,400	6,700	242 U	226 U	214 U	205 U	212 U	285 U	246 U	217 U
Phenanthrene	85-01-8	100,000	100,000	60.5 U	56.6 U	53.4 U	51.2 U	68.6	698	1,860	52.3
Phenol	108-95-2	100,000	100,000	242 U	226 U	214 U	205 U	212 U	285 U	246 U	217 U
Pyrene	129-00-0	100,000	100,000	60.5 U	56.6 U	63.6	51.2 U	138	135	1,610	108 U
Pyridine	110-86-1	NC	NC	242 U	226 U	214 U	205 U	212 U	285 U	246 U	217 U
Total SVOC TICs	NA	NC	NC	NT	10,519	NT	NT	292	128,470	4,539	NT

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.
Exceeds Residential Use SCO listed in Part 375 or CP-51
Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 8B - Subsurface Soil Results Compared to Restricted SCOs
SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

			Sample Location	fill TP-104	TP-105	fill TP-106	fill TP-107	fill TP-108	fill/bb TP-109[BB]	fill TP-110	TP-111
			Sample ID	TP-104-0-2-012216	TP-105-4.5-6.5-012216	TP-106-1.5-4-012216	TP-107-0-2-012216	TP-108-0-1.5-012516	TP-109-4-4.5-012516	TP-110-1.5-2-012516	B-TP-111-0-0.6-08211
			Sample Date	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/25/2016	1/25/2016	1/25/2016	8/21/2017
			Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
			Lab SDG	2120575	2120575	2120575	2120575	2121863	2121863	2121863	2258101
			Start Depth	0	4.5	1.5	0	0	4	1.5	0
			End Depth	2	6.5	4	2	1.5	4.5	2	0.6
Chemical Name	**CAS #**	**NY Part 375 Residential SCO[1]**	**NY Part 375 Restricted Residential SCO[1]**								
SVOCs											
1,1'-Biphenyl	92-52-4	NC	NC	120 U	157	125	128 U	125	33.2	141 U	111 U
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	NC	120 U	130 U	140 U	128 U	119 U	142 U	141 U	111 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	NC	241 U	259 U	280 U	256 U	239 U	284 U	282 U	223 U
2,4,5-Trichlorophenol	95-95-4	100,000[CP]	NC	241 U	259 U	280 U	256 U	239 U	284 U	282 U	223 U
2,4,6-Trichlorophenol	88-06-2	NC	NC	241 U	259 U	280 U	256 U	239 U	284 U	282 U	223 U
2,4-Dichlorophenol	120-83-2	100,000[CP]	NC	241 U	259 U	280 U	256 U	239 U	284 U	282 U	223 U
2,4-Dimethylphenol	105-67-9	NC	NC	241 U	259 U	280 U	256 U	239 U	284 U	282 U	223 U
2,4-Dinitrophenol	51-28-5	100,000[CP]	NC	421 U	454 U	490 U	448 U	418 U	497 U	493 U	223 U
2,4-Dinitrotoluene	121-14-2	NC	NC	120 U	130 U	140 U	128 U	119 U	142 U	141 U	111 U
2,6-Dinitrotoluene	606-20-2	1,030[CP]	NC	120 U	130 U	140 U	128 U	119 U	142 U	141 U	111 U
2-Chloronaphthalene	91-58-7	NC	NC	120 U	130 U	140 U	128 U	119 U	142 U	141 U	111 U
2-Chlorophenol	95-57-8	100,000[CP]	NC	241 U	259 U	280 U	256 U	239 U	284 U	282 U	223 U
2-Methylnaphthalene	91-57-6	*410* [CP]	NC	27.4	1,250	221	147	788	104	141 U	111 U
2-Methylphenol	95-48-7	100,000	100,000	241 U	259 U	280 U	256 U	239 U	284 U	282 U	223 U
2-Nitroaniline	88-74-4	NC	NC	241 U	259 U	280 U	256 U	239 U	284 U	282 U	223 U
2-Nitrophenol	88-75-5	NC	NC	241 U	259 U	280 U	256 U	239 U	284 U	282 U	223 U
3,3-Dichlorobenzidine	91-94-1	NC	NC	241 U	259 U	280 U	256 U	239 U	284 U	282 U	223 U
3-Nitroaniline	99-09-2	NC	NC	241 U	259 U	280 U	256 U	239 U	284 U	282 U	223 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	NC	241 U	259 U	280 U	256 U	239 U	284 U	282 U	223 U
4-Bromophenyl-phenylether	101-55-3	NC	NC	120 U	130 U	140 U	128 U	119 U	142 U	141 U	111 U
4-Chloro-3-methylphenol	59-50-7	NC	NC	241 U	259 U	280 U	256 U	239 U	284 U	282 U	223 U
4-Chloroaniline	106-47-8	100,000[CP]	NC	241 U	259 U	280 U	256 U	239 U	284 U	282 U	223 U
4-Chlorophenyl-phenylether	7005-72-3	NC	NC	120 U	130 U	140 U	128 U	119 U	142 U	141 U	111 U
4-Nitroaniline	100-01-6	NC	NC	241 U	259 U	280 U	256 U	239 U	284 U	282 U	223 U
4-Nitrophenol	100-02-7	NC	NC	241 U	259 U	280 U	256 U	239 U	284 U	282 U	223 U
Acenaphthene	83-32-9	100,000	100,000	124	64.9 U	70 U	47.5	2070	234	59.9	55.7 U
Acenaphthylene	208-96-8	100,000	100,000	76.5	384	70 U	59.2	59.7 U	396	164	325
Acetophenone	98-86-2	NC	NC	120 U	164	68.8	128 U	295	42.1	141 U	111 U
Anthracene	120-12-7	100,000	100,000	429	510	74.4	151	2970	1080	526	106
Atrazine	1912-24-9	NC	NC	120 U	130 U	140 U	128 U	119 U	142 U	141 U	111 U
Benzaldehyde	100-52-7	NC	NC	241 U	185	280 U	256 U	239 U	284 U	32.8	223 U
Benzidine	92-87-5	NC	NC	241 U	259 U	280 U	256 U	239 U	284 U	282 U	223 U
Benzo[a]anthracene	56-55-3	1,000	1,000	1,340	1,880	478	420	17,100	4,230	4,960	238
Benzo[a]pyrene	50-32-8	1,000	1,000	1,300	1,830	213	417	21,500	3,980	9,750	603
Benzo[b]fluoranthene	205-99-2	1,000	1,000	1,620	2,260	420	634	26,200	5,200	10,600	618
Benzo[g,h,i]perylene	191-24-2	100,000	100,000	773	1250	537	430	13,000	2,610	9,330	518
Benzo[k]fluoranthene	207-08-9	1,000	3,900	641	832	70 U	219	8,660	2,020	3,930	220
Bis(2-Chloroethoxy)methane	111-91-1	NC	NC	120 U	130 U	140 U	128 U	119 U	142 U	141 U	111 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	NC	120 U	130 U	140 U	128 U	119 U	142 U	141 U	111 U
Bis(2-Chloroisopropyl)ether	108-60-1	NC	NC	120 U	130 U	140 U	128 U	119 U	142 U	141 U	111 U
Bis(2-Ethylhexyl)phthalate	117-81-7	50,000[CP]	NC	301 U	324 U	350 U	320 U	298 U	355 U	352 U	42.2 J
Butylbenzylphthalate	85-68-7	100,000[CP]	NC	120 U	130 U	140 U	479	119 U	142 U	141 U	111 U
Caprolactam	105-60-2	NC	NC	241 U	259 U	280 U	256 U	239 U	284 U	282 U	223 U
Carbazole	86-74-8	NC	NC	133	127	140 U	69.3	2,340	485	295	42.3 J
Chrysene	218-01-9	1,000	3,900	1,400	2,150	1,280	765	19,300	4,620	5,680	226
Dibenzo[a,h]Anthracene	53-70-3	330	330	200	329	513	159	3,170	804	2,120	122
Dibenzofuran	132-64-9	14,000	59,000	65.1	530	82.9	78.1	721	251	54.7	111 U
Diethylphthalate	84-66-2	100,000[CP]	NC	120 U	130 U	140 U	128 U	119 U	142 U	141 U	111 U
Dimethylphthalate	131-11-3	100,000[CP]	NC	120 U	130 U	140 U	128 U	119 U	142 U	141 U	111 U
Di-n-butylphthalate	84-74-2	100,000[CP]	NC	120 U	130 U	140 U	128 U	119 U	142 U	141 U	111 U
Di-n-octylphthalate	117-84-0	100,000[CP]	NC	120 U	130 U	140 U	128 U	119 U	142 U	141 U	111 U
Fluoranthene	206-44-0	100,000	100,000	3240	3,620	70 U	776	30,000	8,700	5,300	312
Fluorene	86-73-7	100,000	100,000	133	138	70 U	61.9	944	357	77.3	55.7 U
Hexachlorobenzene	118-74-1	330, 410[CP]	1,200	120 U	130 U	140 U	128 U	119 U	142 U	141 U	111 U
Hexachlorobutadiene	87-68-3	NC	NC	120 U	130 U	140 U	128 U	119 U	142 U	141 U	111 U
Hexachlorocyclopentadiene	77-47-4	NC	NC	241 U	259 U	280 U	256 U	239 U	284 U	282 U	223 U
Hexachloroethane	67-72-1	NC	NC	120 U	130 U	140 U	128 U	119 U	142 U	141 U	111 U
Indeno[1,2,3-cd]pyrene	193-39-5	500	500	843	1,230	179	350	14,700	2,790	9,870	566
Isophorone	78-59-1	100,000[CP]	NC	120 U	130 U	140 U	128 U	119 U	142 U	141 U	111 U
m-Cresol & p-Cresol	MEPH1314	NC	NC	241 U	64	280 U	256 U	44.8	284 U	282 U	223 U
Naphthalene	91-20-3	100,000	100,000	48.2	939	89.4	131	1520	160	32.7	23.2 J
Nitrobenzene	98-95-3	3700[CP]	NC	120 U	130 U	140 U	128 U	119 U	142 U	141 U	111 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	NC	120 U	130 U	140 U	128 U	119 U	142 U	141 U	111 U
N-Nitrosodiphenylamine	86-30-6	NC	NC	120 U	130 U	140 U	128 U	119 U	142 U	141 U	111 U
Pentachlorophenol	87-86-5	2,400	6,700	241 U	259 U	280 U	256 U	239 U	284 U	282 U	223 U
Phenanthrene	85-01-8	100,000	100,000	1710	2650	626	594	13,100	5200	1,780	118
Phenol	108-95-2	100,000	100,000	241 U	259 U	280 U	256 U	239 U	284 U	282 U	223 U
Pyrene	129-00-0	100,000	100,000	2,480	3,080	98.7	628	25500	7430	5,380	296
Pyridine	110-86-1	NC	NC	241 U	259 U	280 U	256 U	239 U	284 U	282 U	223 U
Total SVOC TICs	NA	NC	NC	4,827	21,426	126,110	NT	64,851	14,232	23,350	NT

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.
Exceeds Residential Use SCO listed in Part 375 or CP-51
Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 8B - Subsurface Soil Results Compared to Restricted SCOs
SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

			Sample Location	fill TP-112	TP-113	TP-114	fill TP-115	fill TP-117	fill TP-118	fill TP-119	fill TP-120
			Sample ID	TP-112-3.5-4-012516	TP-113-1.5-2-012516	TP-114-4-5-012616	TP-115-4-5-012616	TP-117-1.5-2-011516	TP-118-3.5-4-011516	TP-119-5-6-012616	DUP-009-012616
			Sample Date	1/25/2016	1/25/2016	1/26/2016	1/26/2016	1/15/2016	1/15/2016	1/26/2016	1/26/2016
			Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
			Lab SDG	2121863	2121863	2121863	2121863	2120575	2120575	2121863	2121863
			Start Depth	3.5	1.5	4	4	1.5	3.5	5	4
			End Depth	4	2	5	5	2	4	6	4.5
Chemical Name	**CAS #**	**NY Part 375 Residential SCO[1]**	**NY Part 375 Restricted Residential SCO[1]**								
SVOCs											
1,1'-Biphenyl	92-52-4	NC	NC	119 U	104 U	147 U	137 U	449	142 U	136 U	120 U
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	NC	119 U	104 U	147 U	137 U	126 U	142 U	136 U	120 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	NC	239 U	208 U	294 U	274 U	251 U	283 U	273 U	241 U
2,4,5-Trichlorophenol	95-95-4	100,000[CP]	NC	239 U	208 U	294 U	274 U	251 U	283 U	273 U	241 U
2,4,6-Trichlorophenol	88-06-2	NC	NC	239 U	208 U	294 U	274 U	251 U	283 U	273 U	241 U
2,4-Dichlorophenol	120-83-2	100,000[CP]	NC	239 U	208 U	294 U	274 U	251 R	283 U	273 U	241 U
2,4-Dimethylphenol	105-67-9	NC	NC	239 U	208 U	294 U	274 U	251 U	283 U	273 U	241 U
2,4-Dinitrophenol	51-28-5	100,000[CP]	NC	418 U	363 U	515 U	480 U	440 U	495 U	478 U	421 U
2,4-Dinitrotoluene	121-14-2	NC	NC	119 U	104 U	147 U	137 U	126 U	142 U	136 U	120 U
2,6-Dinitrotoluene	606-20-2	1,030[CP]	NC	119 U	104 U	147 U	137 U	126 U	142 U	136 U	120 U
2-Chloronaphthalene	91-58-7	NC	NC	119 U	104 U	147 U	137 U	126 U	142 U	136 U	120 U
2-Chlorophenol	95-57-8	100,000[CP]	NC	239 U	208 U	294 U	274 U	251 U	283 U	273 U	241 U
2-Methylnaphthalene	91-57-6	*410*[CP]	NC	21.6	104 U	147 U	25.8	2,220	62.4	68.7	20
2-Methylphenol	95-48-7	100,000	100,000	239 U	208 U	294 U	274 U	251 U	283 U	273 U	241 U
2-Nitroaniline	88-74-4	NC	NC	239 U	208 U	294 U	274 U	251 U	283 U	273 U	241 U
2-Nitrophenol	88-75-5	NC	NC	239 U	208 U	294 U	274 U	251 U	283 U	273 U	241 U
3,3-Dichlorobenzidine	91-94-1	NC	NC	239 U	208 U	294 U	274 U	251 U	283 U	273 U	241 U
3-Nitroaniline	99-09-2	NC	NC	239 U	208 U	294 U	274 U	251 U	283 U	273 U	241 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	NC	239 U	208 U	294 U	274 U	251 U	283 U	273 U	241 U
4-Bromophenyl-phenylether	101-55-3	NC	NC	119 U	104 U	147 U	137 U	126 U	142 U	136 U	120 U
4-Chloro-3-methylphenol	59-50-7	NC	NC	239 U	208 U	294 U	274 U	251 U	283 U	273 U	241 U
4-Chloroaniline	106-47-8	100,000[CP]	NC	239 U	208 U	294 U	274 U	251 U	283 U	273 U	241 U
4-Chlorophenyl-phenylether	7005-72-3	NC	NC	119 U	104 U	147 U	137 U	126 U	142 U	136 U	120 U
4-Nitroaniline	100-01-6	NC	NC	239 U	208 U	294 U	274 U	251 U	283 U	273 U	241 U
4-Nitrophenol	100-02-7	NC	NC	239 U	208 U	294 U	274 U	251 U	283 U	273 U	241 U
Acenaphthene	83-32-9	100,000	100,000	59.7 U	51.9 U	73.6 U	26	5,590	70.8 U	68.2 U	60.2 U
Acenaphthylene	208-96-8	100,000	100,000	59.7 U	51.9 U	73.6 U	68.5 U	9,410	41.1	68.2 U	60.2 U
Acetophenone	98-86-2	NC	NC	119 U	104 U	147 U	37.4	134	40.3	136 U	52.6
Anthracene	120-12-7	100,000	100,000	59.7 U	51.9 U	73.6 U	61.7	28,700	77.2	35.7	60.2 U
Atrazine	1912-24-9	NC	NC	119 U	104 U	147 U	137 U	126 U	142 U	136 U	120 U
Benzaldehyde	100-52-7	NC	NC	239 U	208 U	294 U	274 U	93.4	41.8	273 U	241 U
Benzidine	92-87-5	NC	NC	239 U	208 U	294 U	274 U	251 U	283 U	273 U	241 U
Benzo[a]anthracene	56-55-3	1,000	1,000	36.4	51.9 U	73.6 U	204	112,000	195	108	27
Benzo[a]pyrene	50-32-8	1,000	1,000	59.7 U	51.9 U	73.6 U	211	106,000	223	96	60.2 U
Benzo[b]fluoranthene	205-99-2	1,000	1,000	59.7 U	51.9 U	73.6 U	258	148,000	267	114	43.8
Benzo[g,h,i]perylene	191-24-2	100,000	100,000	59.7 U	51.9 U	73.6 U	113	66,900	167	84.7	60.2 U
Benzo[k]fluoranthene	207-08-9	1,000	3,900	59.7 U	51.9 U	73.6 U	116	52,700	101	68.2 U	60.2 U
Bis(2-Chloroethoxy)methane	111-91-1	NC	NC	119 U	104 U	147 U	137 U	126 U	142 U	136 U	120 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	NC	119 U	104 U	147 U	137 U	126 U	142 U	136 U	120 U
Bis(2-Chloroisopropyl)ether	108-60-1	NC	NC	119 U	104 U	147 U	137 U	126 U	142 U	136 U	120 U
Bis(2-Ethylhexyl)phthalate	117-81-7	50,000[CP]	NC	299 U	260 U	368 U	343 U	314 U	354 U	341 U	301 U
Butylbenzylphthalate	85-68-7	100,000[CP]	NC	119 U	104 U	147 U	137 U	126 U	142 U	136 U	120 U
Caprolactam	105-60-2	NC	NC	239 U	208 U	294 U	274 U	251 U	283 U	273 U	241 U
Carbazole	86-74-8	NC	NC	119 U	104 U	147 U	36.3	9,710	32.2	136 U	120 U
Chrysene	218-01-9	1,000	3,900	43.2	51.9 U	73.6 U	243	115,000	269	104	26.6
Dibenzo[a,h]Anthracene	53-70-3	330	330	59.7 U	51.9 U	73.6 U	35	17,300	42.9	68.2 U	60.2 U
Dibenzofuran	132-64-9	14,000	59,000	119 U	104 U	147 U	28.9	6,420	33.7	136 U	120 U
Diethylphthalate	84-66-2	100,000[CP]	NC	119 U	104 U	147 U	137 U	126 U	142 U	136 U	120 U
Dimethylphthalate	131-11-3	100,000[CP]	NC	119 U	104 U	147 U	137 U	126 U	142 U	136 U	120 U
Di-n-butylphthalate	84-74-2	100,000[CP]	NC	119 U	104 U	147 U	137 U	126 U	142 U	136 U	120 U
Di-n-octylphthalate	117-84-0	100,000[CP]	NC	119 U	104 U	147 U	137 U	126 U	142 U	136 U	120 U
Fluoranthene	206-44-0	100,000	100,000	32.6	51.9 U	73.6 U	437	230,000	396	119	60.2 U
Fluorene	86-73-7	100,000	100,000	59.7 U	51.9 U	73.6 U	29.1	9,490	70.8 U	68.2 U	60.2 U
Hexachlorobenzene	118-74-1	330, 410[CP]	1,200	119 U	104 U	147 U	137 U	126 U	142 U	136 U	120 U
Hexachlorobutadiene	87-68-3	NC	NC	119 U	104 U	147 U	137 U	126 U	142 U	136 U	120 U
Hexachlorocyclopentadiene	77-47-4	NC	NC	239 U	208 U	294 U	274 U	251 R	283 U	273 U	241 U
Hexachloroethane	67-72-1	NC	NC	119 U	104 U	147 U	137 U	126 U	142 U	136 U	120 U
Indeno[1,2,3-cd]pyrene	193-39-5	500	500	59.7 U	51.9 U	73.6 U	137	73,200	151	77.8	60.2 U
Isophorone	78-59-1	100,000[CP]	NC	119 U	104 U	147 U	137 U	126 U	142 U	136 U	120 U
m-Cresol & p-Cresol	MEPH1314	NC	NC	239 U	208 U	294 U	274 U	96.9	23.8	273 U	241 U
Naphthalene	91-20-3	100,000	100,000	59.7 U	51.9 U	73.6 U	67	5040	131	43.2	60.2 U
Nitrobenzene	98-95-3	3700[CP]	NC	119 U	104 U	147 U	137 U	126 U	142 U	136 U	120 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	NC	119 U	104 U	147 U	137 U	126 U	142 U	136 U	120 U
N-Nitrosodiphenylamine	86-30-6	NC	NC	119 U	104 U	147 U	137 U	126 U	142 U	136 U	120 U
Pentachlorophenol	87-86-5	2,400	6,700	239 U	208 U	294 U	274 U	251 U	283 U	273 U	241 U
Phenanthrene	85-01-8	100,000	100,000	61.2	51.9 U	73.6 U	352	121,000	357	85.2	23
Phenol	108-95-2	100,000	100,000	239 U	208 U	294 U	274 U	92.7	283 U	273 U	241 U
Pyrene	129-00-0	100,000	100,000	43.6	51.9 U	73.6 U	407	197,000	314	137	27.8
Pyridine	110-86-1	NC	NC	239 U	208 U	294 U	274 U	251 U	283 U	273 U	241 U
Total SVOC TICs	NA	NC	NC	NT	NT	NT	NT	6,194	2,548	2,636	344

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.
Exceeds Residential Use SCO listed in Part 375 or CP-51
Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 8B - Subsurface Soil Results Compared to Restricted SCOs
SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

				fill					fill		fill
			Sample Location	TP-120	TP-121	TP-122	TP-123	TP-124	TP-125	TP-127	TP-128
			Sample ID	TP-120-4-4.5-012616	TP-121-8-8.5-012616	TP-122-7-8-012716	TP-123-4.5-5-012616	TP-124-7.5-8-012616	TP-125-3-4-012716	TP-127-8-8.5-012716	TP-128-5-6-012716
			Sample Date	1/26/2016	1/26/2016	1/27/2016	1/26/2016	1/26/2016	1/27/2016	1/27/2016	1/27/2016
			Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
			Lab SDG	2121863	2121863	2121863	2121863	2121863	2121863	2121863	2121863
			Start Depth	4	8	7	4.5	7.5	3	8	5
			End Depth	4.5	8.5	8	5	8	4	8.5	6
Chemical Name	CAS #	NY Part 375 Residential SCO[1]	NY Part 375 Restricted Residential SCO[1]								
SVOCs											
1,1'-Biphenyl	92-52-4	NC	NC	119 U	121 U	116 U	117 U	127 U	125 U	171 U	196 U
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	NC	119 U	121 U	116 U	117 U	127 U	125 U	171 U	196 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	NC	237 U	242 U	232 U	233 U	253 U	249 U	341 U	392 U
2,4,5-Trichlorophenol	95-95-4	100,000[CP]	NC	237 U	242 U	232 U	233 U	253 U	249 U	341 U	392 U
2,4,6-Trichlorophenol	88-06-2	NC	NC	237 U	242 U	232 U	233 U	253 U	249 U	341 U	392 U
2,4-Dichlorophenol	120-83-2	100,000[CP]	NC	237 U	242 U	232 U	233 U	253 U	249 U	341 U	392 U
2,4-Dimethylphenol	105-67-9	NC	NC	237 U	242 U	232 U	233 U	253 U	249 U	341 U	392 U
2,4-Dinitrophenol	51-28-5	100,000[CP]	NC	416 U	424 U	406 U	408 U	443 U	436 U	597 U	686 U
2,4-Dinitrotoluene	121-14-2	NC	NC	119 U	121 U	116 U	117 U	127 U	125 U	171 U	196 U
2,6-Dinitrotoluene	606-20-2	1,030[CP]	NC	119 U	121 U	116 U	117 U	127 U	125 U	171 U	196 U
2-Chloronaphthalene	91-58-7	NC	NC	119 U	121 U	116 U	117 U	127 U	125 U	171 U	196 U
2-Chlorophenol	95-57-8	100,000[CP]	NC	237 U	242 U	232 U	233 U	253 U	249 U	341 U	392 U
2-Methylnaphthalene	91-57-6	*410* [CP]	NC	16.5	121 U	116 U	117 U	127 U	18.1	171 U	196 U
2-Methylphenol	95-48-7	100,000	100,000	237 U	242 U	232 U	233 U	253 U	249 U	341 U	392 U
2-Nitroaniline	88-74-4	NC	NC	237 U	242 U	232 U	233 U	253 U	249 U	341 U	392 U
2-Nitrophenol	88-75-5	NC	NC	237 U	242 U	232 U	233 U	253 U	249 U	341 U	392 U
3,3-Dichlorobenzidine	91-94-1	NC	NC	237 U	242 U	232 U	233 U	253 U	249 U	341 U	392 U
3-Nitroaniline	99-09-2	NC	NC	237 U	242 U	232 U	233 U	253 U	249 U	341 U	392 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	NC	237 U	242 U	232 U	233 U	253 U	249 U	341 U	392 U
4-Bromophenyl-phenylether	101-55-3	NC	NC	119 U	121 U	116 U	117 U	127 U	125 U	171 U	196 U
4-Chloro-3-methylphenol	59-50-7	NC	NC	237 U	242 U	232 U	233 U	253 U	249 U	341 U	392 U
4-Chloroaniline	106-47-8	100,000[CP]	NC	237 U	242 U	232 U	233 U	253 U	249 U	341 U	392 U
4-Chlorophenyl-phenylether	7005-72-3	NC	NC	119 U	121 U	116 U	117 U	127 U	125 U	171 U	196 U
4-Nitroaniline	100-01-6	NC	NC	237 U	242 U	232 U	233 U	253 U	249 U	341 U	392 U
4-Nitrophenol	100-02-7	NC	NC	237 U	242 U	232 U	233 U	253 U	249 U	341 U	392 U
Acenaphthene	83-32-9	100,000	100,000	59.4 U	60.5 U	58 U	58.3 U	63.3 U	62.3 U	85.3 U	98.1 U
Acenaphthylene	208-96-8	100,000	100,000	59.4 U	60.5 U	58 U	58.3 U	63.3 U	62.3 U	85.3 U	98.1 U
Acetophenone	98-86-2	NC	NC	119 U	121 U	116 U	117 U	127 U	125 U	772	196 U
Anthracene	120-12-7	100,000	100,000	59.4 U	60.5 U	58 U	58.3 U	63.3 U	62.3 U	85.3 U	98.1 U
Atrazine	1912-24-9	NC	NC	119 U	121 U	116 U	117 U	127 U	125 U	171 U	196 U
Benzaldehyde	100-52-7	NC	NC	237 U	242 U	232 U	233 U	253 U	249 U	341 U	392 U
Benzidine	92-87-5	NC	NC	237 U	242 U	232 U	233 U	253 U	249 U	341 U	392 U
Benzo[a]anthracene	56-55-3	1,000	1,000	30.2	60.5 U	58 U	58.3 U	43.9	62.3 U	72.7	48.1
Benzo[a]pyrene	50-32-8	1,000	1,000	31.9	60.5 U	58 U	58.3 U	35.6	62.3 U	59.7	98.1 U
Benzo[b]fluoranthene	205-99-2	1,000	1,000	51.3	60.5 U	58 U	58.3 U	37.5	62.3 U	84.9	98.1 U
Benzo[g,h,i]perylene	191-24-2	100,000	100,000	27.7	60.5 U	58 U	58.3 U	63.3 U	62.3 U	58.2	98.1 U
Benzo[k]fluoranthene	207-08-9	1,000	3,900	59.4 U	60.5 U	58 U	58.3 U	63.3 U	62.3 U	85.3 U	98.1 U
Bis(2-Chloroethoxy)methane	111-91-1	NC	NC	119 U	121 U	116 U	117 U	127 U	125 U	171 U	196 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	NC	119 U	121 U	116 U	117 U	127 U	125 U	171 U	196 U
Bis(2-Chloroisopropyl)ether	108-60-1	NC	NC	119 U	121 U	116 U	117 U	127 U	125 U	171 U	196 U
Bis(2-Ethylhexyl)phthalate	117-81-7	50,000[CP]	NC	297 U	303 U	290 U	291 U	316 U	312 U	427 U	490 U
Butylbenzylphthalate	85-68-7	100,000[CP]	NC	119 U	121 U	116 U	117 U	127 U	125 U	171 U	196 U
Caprolactam	105-60-2	NC	NC	237 U	242 U	232 U	233 U	253 U	249 U	341 U	392 U
Carbazole	86-74-8	NC	NC	119 U	121 U	116 U	117 U	127 U	125 U	171 U	196 U
Chrysene	218-01-9	1,000	3,900	59.4 U	60.5 U	58 U	58.3 U	55.1	62.3 U	211	98.1 U
Dibenzo[a,h]Anthracene	53-70-3	330	330	59.4 U	60.5 U	58 U	58.3 U	63.3 U	62.3 U	85.3 U	98.1 U
Dibenzofuran	132-64-9	14,000	59,000	119 U	121 U	116 U	117 U	127 U	125 U	84.9	196 U
Diethylphthalate	84-66-2	100,000[CP]	NC	119 U	121 U	116 U	117 U	127 U	125 U	171 U	196 U
Dimethylphthalate	131-11-3	100,000[CP]	NC	119 U	121 U	116 U	117 U	127 U	125 U	171 U	196 U
Di-n-butylphthalate	84-74-2	100,000[CP]	NC	119 U	121 U	116 U	117 U	127 U	125 U	171 U	196 U
Di-n-octylphthalate	117-84-0	100,000[CP]	NC	119 U	121 U	116 U	117 U	127 U	125 U	171 U	196 U
Fluoranthene	206-44-0	100,000	100,000	33.9	60.5 U	58 U	58.3 U	71	62.3 U	151	98.1 U
Fluorene	86-73-7	100,000	100,000	59.4 U	60.5 U	58 U	58.3 U	63.3 U	62.3 U	85.3 U	98.1 U
Hexachlorobenzene	118-74-1	330, 410[CP]	1,200	119 U	121 U	116 U	117 U	127 U	125 U	171 U	196 U
Hexachlorobutadiene	87-68-3	NC	NC	119 U	121 U	116 U	117 U	127 U	125 U	171 U	196 U
Hexachlorocyclopentadiene	77-47-4	NC	NC	237 U	242 U	232 U	233 U	253 U	249 U	341 U	392 U
Hexachloroethane	67-72-1	NC	NC	119 U	121 U	116 U	117 U	127 U	125 U	171 U	196 U
Indeno[1,2,3-cd]pyrene	193-39-5	500	500	32.1	60.5 U	58 U	58.3 U	63.3 U	62.3 U	55	98.1 U
Isophorone	78-59-1	100,000[CP]	NC	119 U	121 U	116 U	117 U	127 U	125 U	171 U	196 U
m-Cresol & p-Cresol	MEPH1314	NC	NC	237 U	242 U	232 U	233 U	253 U	249 U	341 U	392 U
Naphthalene	91-20-3	100,000	100,000	59.4 U	60.5 U	58 U	58.3 U	63.3 U	62.3 U	41.9	98.1 U
Nitrobenzene	98-95-3	3700[CP]	NC	119 U	121 U	116 U	117 U	127 U	125 U	171 U	196 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	NC	119 U	121 U	116 U	117 U	127 U	125 U	171 U	196 U
N-Nitrosodiphenylamine	86-30-6	NC	NC	119 U	121 U	116 U	117 U	127 U	125 U	171 U	196 U
Pentachlorophenol	87-86-5	2,400	6,700	237 U	242 U	232 U	233 U	253 U	249 U	341 U	392 U
Phenanthrene	85-01-8	100,000	100,000	23.5	60.5 U	58 U	58.3 U	97.8	33.4	71.5	98.1 U
Phenol	108-95-2	100,000	100,000	237 U	242 U	232 U	233 U	253 U	249 U	341 U	392 U
Pyrene	129-00-0	100,000	100,000	34.8	60.5 U	58 U	58.3 U	66.2	62.3 U	121	98.1 U
Pyridine	110-86-1	NC	NC	237 U	242 U	232 U	233 U	253 U	249 U	341 U	392 U
Total SVOC TICs	NA	NC	NC	667	1,407	NT	4,945	30,531	NT	88,260	82,289

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.

	Exceeds Residential Use SCO listed in Part 375 or CP-51
	Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 8B - Subsurface Soil Results Compared to Restricted SCOs
SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

					fill						fill/bb
			Sample Location	TP-129	TP-132	TP-133	TP-134	TP-136	TP-137	TP-138	TP-140[BB]
			Sample ID	TP-129-4-4.5-012816	TP-132-3-3.5-012816	TP-133-6.5-7-012716	TP-134-5-6-012816	TP-136-8-8.5-012916	TP-137-9.5-10-012916	TP-138-5-6-011516	TP-140-2.5-3-011416
			Sample Date	1/28/2016	1/28/2016	1/27/2016	1/28/2016	1/29/2016	1/29/2016	1/15/2016	1/14/2016
			Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
			Lab SDG	2121862	2121862	2121863	2121862	2121862	2121862	2120575	2119212
			Start Depth	4	3	6.5	5	8	9.5	5	2.5
			End Depth	4.5	3.5	7	6	8.5	10	6	3
Chemical Name	CAS #	NY Part 375 Residential SCO[1]	NY Part 375 Restricted Residential SCO[1]								
SVOCs											
1,1'-Biphenyl	92-52-4	NC	NC	135 U	41.3	116 U	128 U	119 U	117 U	121 U	136 U
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	NC	135 U	136 U	116 U	128 U	119 U	117 U	121 U	136 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	NC	269 U	271 U	232 U	255 U	237 U	234 U	242 U	273 U
2,4,5-Trichlorophenol	95-95-4	100,000[CP]	NC	269 U	271 U	232 U	255 U	237 U	234 U	242 U	273 U
2,4,6-Trichlorophenol	88-06-2	NC	NC	269 U	271 U	232 U	255 U	237 U	234 U	242 U	273 U
2,4-Dichlorophenol	120-83-2	100,000[CP]	NC	269 U	271 U	232 U	255 U	237 U	234 U	242 U	273 U
2,4-Dimethylphenol	105-67-9	NC	NC	269 U	271 U	232 U	255 U	237 U	234 U	242 U	273 U
2,4-Dinitrophenol	51-28-5	100,000[CP]	NC	471 U	475 U	405 U	447 U	415 U	409 U	423 U	477 U
2,4-Dinitrotoluene	121-14-2	NC	NC	135 U	136 U	116 U	128 U	119 U	117 U	121 U	136 U
2,6-Dinitrotoluene	606-20-2	1,030[CP]	NC	135 U	136 U	116 U	128 U	119 U	117 U	121 U	136 U
2-Chloronaphthalene	91-58-7	NC	NC	135 U	136 U	116 U	128 U	119 U	117 U	121 U	136 U
2-Chlorophenol	95-57-8	100,000[CP]	NC	269 U	271 U	232 U	255 U	237 U	234 U	242 U	273 U
2-Methylnaphthalene	91-57-6	*410* [CP]	NC	33.9	248	116 U	71.7	119 U	117 U	121 U	55.8
2-Methylphenol	95-48-7	100,000	100,000	269 U	271 U	232 U	255 U	237 U	234 U	242 U	273 U
2-Nitroaniline	88-74-4	NC	NC	269 U	271 U	232 U	255 U	237 U	234 U	242 U	273 U
2-Nitrophenol	88-75-5	NC	NC	269 U	271 U	232 U	255 U	237 U	234 U	242 U	273 U
3,3-Dichlorobenzidine	91-94-1	NC	NC	269 U	271 U	232 U	255 U	237 U	234 U	242 U	273 U
3-Nitroaniline	99-09-2	NC	NC	269 U	271 U	232 U	255 U	237 U	234 U	242 U	273 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	NC	269 U	271 U	232 U	255 U	237 U	234 U	242 U	273 U
4-Bromophenyl-phenylether	101-55-3	NC	NC	135 U	136 U	116 U	128 U	119 U	117 U	121 U	136 U
4-Chloro-3-methylphenol	59-50-7	NC	NC	269 U	271 U	232 U	255 U	237 U	234 U	242 U	273 U
4-Chloroaniline	106-47-8	100,000[CP]	NC	269 U	271 U	232 U	255 U	237 U	234 U	242 U	273 U
4-Chlorophenyl-phenylether	7005-72-3	NC	NC	135 U	136 U	116 U	128 U	119 U	117 U	121 U	136 U
4-Nitroaniline	100-01-6	NC	NC	269 U	271 U	232 U	255 U	237 U	234 U	242 U	273 U
4-Nitrophenol	100-02-7	NC	NC	269 U	271 U	232 U	255 U	237 U	234 U	242 U	273 U
Acenaphthene	83-32-9	100,000	100,000	67.3 U	160	57.9 U	63.8 U	59.3 U	58.4 U	60.4 U	95.8
Acenaphthylene	208-96-8	100,000	100,000	67.3 U	76.9	57.9 U	63.8 U	59.3 U	58.4 U	60.4 U	316
Acetophenone	98-86-2	NC	NC	121	76.3	116 U	128 U	119 U	37.9	52.2	41.9
Anthracene	120-12-7	100,000	100,000	67.3 U	411	57.9 U	63.8 U	59.3 U	58.4 U	60.4 U	1470
Atrazine	1912-24-9	NC	NC	135 U	136 U	116 U	128 U	119 U	117 U	121 U	136 U
Benzaldehyde	100-52-7	NC	NC	269 U	271 U	232 U	201	237 U	234 U	242 U	123
Benzidine	92-87-5	NC	NC	269 U	271 U	232 U	255 U	237 U	234 U	242 U	273 U
Benzo[a]anthracene	56-55-3	1,000	1,000	27	1,180	57.9 U	63.8 U	59.3 U	58.4 U	38.5	2,080
Benzo[a]pyrene	50-32-8	1,000	1,000	67.3 U	1,160	57.9 U	63.8 U	59.3 U	58.4 U	36.2	2,050
Benzo[b]fluoranthene	205-99-2	1,000	1,000	67.3 U	1,500	57.9 U	63.8 U	59.3 U	58.4 U	45.1	2,300
Benzo[g,h,i]perylene	191-24-2	100,000	100,000	67.3 U	730	57.9 U	63.8 U	59.3 U	58.4 U	60.4 U	1,360
Benzo[k]fluoranthene	207-08-9	1,000	3,900	67.3 U	610	57.9 U	63.8 U	59.3 U	58.4 U	60.4 U	888
Bis(2-Chloroethoxy)methane	111-91-1	NC	NC	135 U	136 U	116 U	128 U	119 U	117 U	121 U	136 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	NC	135 U	136 U	116 U	128 U	119 U	117 U	121 U	136 U
Bis(2-Chloroisopropyl)ether	108-60-1	NC	NC	135 U	136 U	116 U	128 U	119 U	117 U	121 U	136 U
Bis(2-Ethylhexyl)phthalate	117-81-7	50,000[CP]	NC	337 U	339 U	290 U	319 U	296 U	292 U	302 U	341 U
Butylbenzylphthalate	85-68-7	100,000[CP]	NC	135 U	980	116 U	128 U	119 U	117 U	121 U	136 U
Caprolactam	105-60-2	NC	NC	269 U	271 U	232 U	1970	237 U	234 U	242 U	273 U
Carbazole	86-74-8	NC	NC	135 U	182	116 U	128 U	119 U	117 U	121 U	120
Chrysene	218-01-9	1,000	3,900	67.3 U	1,250	57.9 U	63.8 U	59.3 U	58.4 U	57.7	2,100
Dibenzo[a,h]Anthracene	53-70-3	330	330	67.3 U	211	57.9 U	63.8 U	59.3 U	58.4 U	60.4 U	282
Dibenzofuran	132-64-9	14,000	59,000	135 U	151	116 U	128 U	119 U	117 U	70.3	136
Diethylphthalate	84-66-2	100,000[CP]	NC	135 U	136 U	116 U	128 U	119 U	117 U	121 U	136 U
Dimethylphthalate	131-11-3	100,000[CP]	NC	135 U	136 U	116 U	128 U	119 U	117 U	121 U	136 U
Di-n-butylphthalate	84-74-2	100,000[CP]	NC	135 U	136 U	116 U	128 U	119 U	117 U	121 U	136 U
Di-n-octylphthalate	117-84-0	100,000[CP]	NC	135 U	136 U	116 U	128 U	119 U	117 U	121 U	136 U
Fluoranthene	206-44-0	100,000	100,000	58.5	2,560	57.9 U	63.8 U	59.3 U	58.4 U	99.4	6,180
Fluorene	86-73-7	100,000	100,000	67.3 U	166	57.9 U	63.8 U	59.3 U	58.4 U	88.2	307
Hexachlorobenzene	118-74-1	330, 410[CP]	1,200	135 U	136 U	116 U	128 U	119 U	117 U	121 U	136 U
Hexachlorobutadiene	87-68-3	NC	NC	135 U	136 U	116 U	128 U	119 U	117 U	121 U	136 U
Hexachlorocyclopentadiene	77-47-4	NC	NC	269 U	271 U	232 U	255 U	237 U	234 U	242 U	273 U
Hexachloroethane	67-72-1	NC	NC	135 U	136 U	116 U	128 U	119 U	117 U	121 U	136 U
Indeno[1,2,3-cd]pyrene	193-39-5	500	500	67.3 U	804	57.9 U	63.8 U	59.3 U	58.4 U	60.4 U	1,450
Isophorone	78-59-1	100,000[CP]	NC	135 U	136 U	116 U	128 U	119 U	117 U	121 U	136 U
m-Cresol & p-Cresol	MEPH1314	NC	NC	269 U	29.4	232 U	255 U	237 U	234 U	242 U	273 U
Naphthalene	91-20-3	100,000	100,000	22.8	245	57.9 U	21.9	59.3 U	58.4 U	60.4 U	197
Nitrobenzene	98-95-3	3700[CP]	NC	135 U	136 U	116 U	128 U	119 U	117 U	121 U	136 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	NC	135 U	136 U	116 U	128 U	119 U	117 U	121 U	136 U
N-Nitrosodiphenylamine	86-30-6	NC	NC	135 U	136 U	116 U	128 U	119 U	117 U	121 U	136 U
Pentachlorophenol	87-86-5	2,400	6,700	269 U	271 U	232 U	255 U	237 U	234 U	242 U	273 U
Phenanthrene	85-01-8	100,000	100,000	90.2	1790	57.9 U	35.9	59.3 U	58.4 U	257	3,970
Phenol	108-95-2	100,000	100,000	269 U	271 U	232 U	255 U	237 U	234 U	242 U	273 U
Pyrene	129-00-0	100,000	100,000	49.7	2240	57.9 U	63.8 U	59.3 U	58.4 U	88.7	4,900
Pyridine	110-86-1	NC	NC	269 U	271 U	232 U	255 U	237 U	234 U	242 U	273 U
Total SVOC TICs	NA	NC	NC	34,780	4,012	322	33,700	NT	2,073	98,660	NT

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.

(green shading)	Exceeds Residential Use SCO listed in Part 375 or CP-51
(orange shading)	Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 8B - Subsurface Soil Results Compared to Restricted SCOs
SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

				fill	fill	fill	fill	fill/bb	
			Sample Location	TP-141	TP-142	TP-143	TP-148	TP-149[BB]	TP-152
			Sample ID	TP-141-4-5-011416	TP-142-0-1-011516	TP-143-4-6.5-011416	TP-148-2-2.5-012516	TP-149-6-8-011416	TP-152-2.5-3-012916
			Sample Date	1/14/2016	1/15/2016	1/14/2016	1/25/2016	1/14/2016	1/29/2016
			Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
			Lab SDG	2119212	2120575	2119212	2121863	2119212	2121862
			Start Depth	4	0	4	2	6	2.5
			End Depth	5	1	6.5	2.5	8	3
Chemical Name	CAS #	NY Part 375 Residential SCO[1]	NY Part 375 Restricted Residential SCO[1]						
SVOCs									
1,1'-Biphenyl	92-52-4	NC	NC	115 U	65.5	137 U	119 U	115 U	120 U
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	NC	115 U	122 U	137 U	119 U	115 U	120 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	NC	230 U	243 U	275 U	237 U	231 U	239 U
2,4,5-Trichlorophenol	95-95-4	100,000[CP]	NC	230 U	243 U	275 U	237 U	231 U	239 U
2,4,6-Trichlorophenol	88-06-2	NC	NC	230 U	243 U	275 U	237 U	231 U	239 U
2,4-Dichlorophenol	120-83-2	100,000[CP]	NC	230 U	243 U	275 U	237 U	231 U	239 U
2,4-Dimethylphenol	105-67-9	NC	NC	230 U	243 U	275 U	237 U	231 U	239 U
2,4-Dinitrophenol	51-28-5	100,000[CP]	NC	402 R	426 U	480 U	415 U	404 U	418 U
2,4-Dinitrotoluene	121-14-2	NC	NC	115 U	122 U	137 U	119 U	115 U	120 U
2,6-Dinitrotoluene	606-20-2	1,030[CP]	NC	115 U	122 U	137 U	119 U	115 U	120 U
2-Chloronaphthalene	91-58-7	NC	NC	115 U	122 U	137 U	119 U	115 U	120 U
2-Chlorophenol	95-57-8	100,000[CP]	NC	230 U	243 U	275 U	237 U	231 U	239 U
2-Methylnaphthalene	91-57-6	*410*[CP]	NC	95.3	771	51.4	119 U	17.1	91.8
2-Methylphenol	95-48-7	100,000	100,000	230 U	243 U	275 U	237 U	231 U	239 U
2-Nitroaniline	88-74-4	NC	NC	230 U	243 U	275 U	237 U	231 U	239 U
2-Nitrophenol	88-75-5	NC	NC	230 U	243 U	275 U	237 U	231 U	239 U
3,3-Dichlorobenzidine	91-94-1	NC	NC	230 U	243 U	275 U	237 U	231 U	239 U
3-Nitroaniline	99-09-2	NC	NC	230 U	243 U	275 U	237 U	231 U	239 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	NC	230 U	243 U	275 U	237 U	231 U	239 U
4-Bromophenyl-phenylether	101-55-3	NC	NC	115 U	122 U	137 U	119 U	115 U	120 U
4-Chloro-3-methylphenol	59-50-7	NC	NC	230 U	243 U	275 U	237 U	231 U	239 U
4-Chloroaniline	106-47-8	100,000[CP]	NC	230 U	243 U	275 U	237 U	231 U	239 U
4-Chlorophenyl-phenylether	7005-72-3	NC	NC	115 U	122 U	137 U	119 U	115 U	120 U
4-Nitroaniline	100-01-6	NC	NC	230 U	243 U	275 U	237 U	231 U	239 U
4-Nitrophenol	100-02-7	NC	NC	230 U	243 U	275 U	237 U	231 U	239 U
Acenaphthene	83-32-9	100,000	100,000	135	60.9 U	68.6 U	59.3 U	57.7 U	59.8 U
Acenaphthylene	208-96-8	100,000	100,000	53.4	60.9 U	68.6 U	59.3 U	57.7 U	59.8 U
Acetophenone	98-86-2	NC	NC	115 U	126	54.1	119 U	115 U	65
Anthracene	120-12-7	100,000	100,000	438	60.9 U	39.7	59.3 U	57.7 U	29.5
Atrazine	1912-24-9	NC	NC	115 U	122 U	137 U	119 U	115 U	120 U
Benzaldehyde	100-52-7	NC	NC	230 U	111	275 U	237 U	231 U	53.9
Benzidine	92-87-5	NC	NC	230 R	243 U	275 U	237 U	231 U	239 U
Benzo[a]anthracene	56-55-3	1,000	1,000	946	105	68.6 U	59.3 U	40.3	59.8 U
Benzo[a]pyrene	50-32-8	1,000	1,000	895	68.1	105	59.3 U	57.7 U	59.8 U
Benzo[b]fluoranthene	205-99-2	1,000	1,000	1,180	103	147	59.3 U	57.7 U	59.8 U
Benzo[g,h,i]perylene	191-24-2	100,000	100,000	604	65.4	86.1	59.3 U	57.7 U	59.8 U
Benzo[k]fluoranthene	207-08-9	1,000	3,900	422	60.9 U	41.9	59.3 U	57.7 U	59.8 U
Bis(2-Chloroethoxy)methane	111-91-1	NC	NC	115 U	122 U	137 U	119 U	115 U	120 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	NC	115 U	122 U	137 U	119 U	115 U	120 U
Bis(2-Chloroisopropyl)ether	108-60-1	NC	NC	115 U	122 U	137 U	119 U	115 U	120 U
Bis(2-Ethylhexyl)phthalate	117-81-7	50,000[CP]	NC	287 U	304 U	343 U	296 U	288 U	299 U
Butylbenzylphthalate	85-68-7	100,000[CP]	NC	115 U	122 U	137 U	119 U	115 U	120 U
Caprolactam	105-60-2	NC	NC	230 U	243 U	275 U	237 U	231 U	239 U
Carbazole	86-74-8	NC	NC	237	19.8	137 U	119 U	115 U	120 U
Chrysene	218-01-9	1,000	3,900	1,010	194	199	59.3 U	57.5	59.8 U
Dibenzo[a,h]Anthracene	53-70-3	330	330	155	24.5	56.5	59.3 U	57.7 U	59.8 U
Dibenzofuran	132-64-9	14,000	59,000	177	211	137 U	119 U	115 U	48.9
Diethylphthalate	84-66-2	100,000[CP]	NC	115 U	122 U	137 U	119 U	115 U	120 U
Dimethylphthalate	131-11-3	100,000[CP]	NC	115 U	122 U	137 U	119 U	115 U	120 U
Di-n-butylphthalate	84-74-2	100,000[CP]	NC	115 U	122 U	137 U	119 U	115 U	120 U
Di-n-octylphthalate	117-84-0	100,000[CP]	NC	115 U	122 U	137 U	119 U	115 U	120 U
Fluoranthene	206-44-0	100,000	100,000	2,430	132	154	59.3 U	29.6	59.5
Fluorene	86-73-7	100,000	100,000	211	36.5	68.6 U	59.3 U	57.7 U	59.8 U
Hexachlorobenzene	118-74-1	330, 410[CP]	1,200	115 U	122 U	137 U	119 U	115 U	120 U
Hexachlorobutadiene	87-68-3	NC	NC	115 U	122 U	137 U	119 U	115 U	120 U
Hexachlorocyclopentadiene	77-47-4	NC	NC	230 U	243 U	275 U	237 U	231 U	239 U
Hexachloroethane	67-72-1	NC	NC	115 U	122 U	137 U	119 U	115 U	120 U
Indeno[1,2,3-cd]pyrene	193-39-5	500	500	639	39.3	59.8	59.3 U	57.7 U	59.8 U
Isophorone	78-59-1	100,000[CP]	NC	115 U	122 U	137 U	119 U	115 U	120 U
m-Cresol & p-Cresol	MEPH1314	NC	NC	230 U	243 U	275 U	237 U	231 U	239 U
Naphthalene	91-20-3	100,000	100,000	162	431	40.2	59.3 U	57.7 U	102
Nitrobenzene	98-95-3	3700[CP]	NC	115 U	122 U	137 U	119 U	115 U	120 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	NC	115 U	122 U	137 U	119 U	115 U	120 U
N-Nitrosodiphenylamine	86-30-6	NC	NC	115 U	122 U	137 U	119 U	115 U	120 U
Pentachlorophenol	87-86-5	2,400	6,700	230 U	243 U	275 U	237 U	231 U	239 U
Phenanthrene	85-01-8	100,000	100,000	2,180	598	179	59.3 U	75.3	166
Phenol	108-95-2	100,000	100,000	230 U	243 U	275 U	237 U	231 U	239 U
Pyrene	129-00-0	100,000	100,000	1,920	116	138	59.3 U	27.8	53.1
Pyridine	110-86-1	NC	NC	230 U	243 U	275 U	237 U	231 U	239 U
Total SVOC TICs	NA	NC	NC	NT	11,936	NT	873	NT	2,930

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.
Exceeds Residential Use SCO listed in Part 375 or CP-51
Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 8C - Subsurface Soil Results Compared to Restricted SCOs
Pesticides/Herbicides
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

			Sample Location	SB-101	SB-103	SB-105	SB-111	SB-112	SB-113	SB-113[BB]	SB-113	SB-116
			Sample ID	SB-101-12.5-14-031016	SB-103-4.8-5.8-030416	SB-105-11-12-031016	SB-111-6-7-031016	SB-112-0.5-2.0-082217	DUP-002-031416	SB-113-1-2-031416	SB-113-4.5-6.5-031416	SB-116-5.7-6.5-030216
			Sample Date	3/10/2016	3/4/2016	3/10/2016	3/10/2016	8/22/2017	3/14/2016	3/14/2016	3/14/2016	3/2/2016
			Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
			Lab SDG	2130254	2129473	2130254	2130254	2258101	2130903	2130903	2130903	2127346
			Start Depth	12.5	4.8	11	6	0.5	4.5	1	4.5	5.7
			End Depth	14	5.8	12	7	2	6.5	2	6.5	6.5
Chemical Name	CAS #	NY Part 375 Residential SCO[1]	NY Part 375 Restricted Residential SCO[1]									
Pesticides/Herbicides												
4-4-DDD	72-54-8	2,600	13,000	3.3 U	3.2 U	4.1 UJ	3 U	4.3 U	3.3 U	3.3 U	4.3 UJ	3.4 U
4-4-DDE	72-55-9	1,800	8,900	3.3 U	3.2 U	4.1 U	3 U	4.3 U	3.3 U	3.3 U	4.3 U	3.4 U
4-4-DDT	50-29-3	1,700	7,900	3.3 U	3.2 U	4.1 UJ	3 U	4.3 U	3.3 U	3.3 U	4.3 UJ	3.4 U
a-BHC	319-84-6	97	480	3.3 U	3.2 U	4.1 U	3 U	2.2 U	3.3 U	3.3 U	4.3 U	3.4 U
Aldrin	309-00-2	19	97	3.3 U	3.2 U	4.1 U	3 U	2.2 U	3.3 U	3.3 U	4.3 U	3.4 U
alpha-Chlordane	5103-71-9	910	4,200	3.3 U	3.2 U	4.1 U	3 U	2.2 U	3.3 U	3.3 U	4.3 U	3.4 U
b-BHC	319-85-7	72	360	3.3 U	3.2 U	4.1 U	3 U	2.2 U	3.3 U	3.3 U	4.3 U	3.4 U
Chlordane	57-74-9	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
d-BHC	319-86-8	100,000	100,000	3.3 U	3.2 U	4.1 U	3 U	2.2 U	3.3 U	3.3 U	4.3 U	3.4 U
Dieldrin	60-57-1	39	200	3.3 U	3.2 U	4.1 U	3 U	4.3 U	3.3 U	3.3 U	4.3 U	3.4 U
Endosulfan I	959-98-8	4,800	24,000	3.3 U	3.2 U	4.1 U	3 U	2.2 U	3.3 U	3.3 U	4.3 U	3.4 U
Endosulfan II	33213-65-9	4,800	24,000	3.3 U	3.2 U	4.1 U	3 U	4.3 U	3.3 U	3.3 U	4.3 U	3.4 U
Endosulfan Sulfate	1031-07-8	4,800	24,000	3.3 U	3.2 U	4.1 U	3 U	4.3 U	3.3 U	3.3 U	4.3 U	3.4 U
Endrin	72-20-8	2,200	11,000	3.3 U	3.2 U	4.1 U	3 U	4.3 U	3.3 U	3.3 U	4.3 U	3.4 U
Endrin Aldehyde	7421-93-4	NC	NC	3.3 U	3.2 U	4.1 U	3 U	4.3 U	3.3 U	3.3 U	4.3 U	3.4 U
Endrin Ketone	53494-70-5	NC	NC	3.3 U	3.2 U	4.1 U	3 U	4.3 U	3.3 U	3.3 U	4.3 U	3.4 U
Heptachlor	76-44-8	420	2,100	3.3 U	3.2 U	4.1 U	3 U	2.2 U	3.3 U	3.3 U	4.3 U	3.4 U
Heptachlor Epoxide	1024-57-3	77[CP]	NC	3.3 U	1.2 J	4.1 U	3 U	2.2 U	3.3 U	3.3 U	4.3 U	3.4 U
Lindane	58-89-9	280	1,300	3.3 U	3.2 U	25.3 JN	3 U	2.2 U	3.3 U	3.3 U	4.3 U	3.4 U
Methoxychlor	72-43-5	100,000[CP]	NC	3.3 U	3.2 U	4.1 UJ	3 U	4.3 U	3.3 U	3.3 U	4.3 UJ	3.4 U
Toxaphene	8001-35-2	NC	NC	67.1 U	65 U	84.2 U	60.7 U	45.8 U	67 U	67.2 U	87.5 U	69.1 U
y-Chlordane	5103-74-2	540[CP]	NC	3.3 U	3.2 U	4.1 U	3 U	2.2 U	3.3 U	3.3 U	4.3 U	3.4 U

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.

	Exceeds Residential Use SCO listed in Part 375 or CP-51
	Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 8C - Subsurface Soil Results Compared to Restricted SCOs
Pesticides/Herbicides
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

			Sample Location	SB-117	SB-129	SB-134	SB-135	SB-136	SB-138	SB-144	SB-146	SB-148	SB-154	SB-157	SB-160	SB-161	SB-167
			Sample ID	DUP-003-030216	SB-129-4.6-6.6-031516	SB-134-10-11-031516	SB-135-8-9-041516	SB-136-5-7-031116	SB-138-4-4.8-030116	SB-144-1-1.8-030116	SB-146-6-8-030216	SB-148-8-9.2-040616	SB-154-15-17-030316	SB-157-20.5-21.5-030916	SB-160-4-5-030916	SB-161-24-26-030816	SB-167-18-19-030716
			Sample Date	3/2/2016	3/15/2016	3/15/2016	4/15/2016	3/11/2016	3/1/2016	3/1/2016	3/2/2016	4/7/2016	3/3/2016	3/9/2016	3/9/2016	3/8/2016	3/7/2016
			Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
			Lab SDG	2127346	2130900	2130900	2139069	2130903	2127346	2127346	2127346	2136537	2129473	2130254	2130254	2130254	2129473
			Start Depth	5.9	4.6	10	8	5	4	1	6	8	15	20.5	4	24	18
			End Depth	7	6.6	11	9	7	4.8	1.8	8	9.2	17	21.5	5	26	19
Chemical Name	**CAS #**	**NY Part 375 Residential SCO[1]**	**NY Part 375 Restricted Residential SCO[1]**														
Pesticides/Herbicides																	
4-4-DDD	72-54-8	2,600	13,000	3.4 U	3.2 UJ	3.3 UJ	4 U	3.1 U	3.1 U	3.1 U	3.1 U	3.5 U	3.3 U	3.2 U	3 U	2.9 U	3.2 U
4-4-DDE	72-55-9	1,800	8,900	3.4 U	3.2 U	3.3 U	4 U	3.1 U	3.1 U	3.1 U	3.1 U	3.5 U	3.3 U	3.2 U	3 U	2.9 U	3.2 U
4-4-DDT	50-29-3	1,700	7,900	3.4 U	3.2 UJ	3.3 UJ	4 UJ	3.1 U	3.1 U	3.1 U	3.1 U	3.5 U	3.3 U	3.2 U	3 U	2.9 U	3.2 U
a-BHC	319-84-6	97	480	3.4 U	3.2 U	3.3 U	4 U	3.1 U	3.1 U	3.1 U	3.1 U	3.5 U	3.3 U	3.2 U	3 U	2.9 U	3.2 U
Aldrin	309-00-2	19	97	3.4 U	3.2 U	3.3 U	4 UJ	3.1 U	3.1 U	3.1 U	3.1 U	3.5 U	3.3 U	3.2 U	3 U	2.9 U	3.2 U
alpha-Chlordane	5103-71-9	910	4,200	3.4 U	3.2 U	3.3 U	4 U	3.1 U	3.1 U	3.1 U	3.1 U	3.5 UJ	3.3 U	3.2 U	3 U	2.9 U	3.2 U
b-BHC	319-85-7	72	360	3.4 U	3.2 U	3.3 U	4 U	3.1 U	3.1 U	3.1 U	3.1 U	3.5 U	3.3 U	3.2 U	3 U	2.9 U	3.2 U
Chlordane	57-74-9	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
d-BHC	319-86-8	100,000	100,000	3.4 U	3.2 U	3.3 U	4 U	3.1 U	3.1 U	3.1 U	3.1 U	3.5 U	3.3 U	3.2 U	3 U	2.9 U	3.2 U
Dieldrin	60-57-1	39	200	3.4 U	3.2 U	3.3 U	4 UJ	3.1 U	3.1 U	3.1 U	3.1 U	3.5 U	3.3 U	3.2 U	3 U	2.9 U	3.2 U
Endosulfan I	959-98-8	4,800	24,000	3.4 U	3.2 U	3.3 U	4 U	3.1 U	3.1 U	3.1 U	3.1 U	3.5 U	3.3 U	3.2 U	3 U	2.9 U	3.2 U
Endosulfan II	33213-65-9	4,800	24,000	3.4 U	3.2 U	3.3 U	4 U	3.1 U	3.1 U	3.1 U	3.1 U	3.5 U	3.3 U	3.2 U	3 U	2.9 U	3.2 U
Endosulfan Sulfate	1031-07-8	4,800	24,000	3.4 U	3.2 U	3.3 U	4 UJ	3.1 U	3.1 U	3.1 U	3.1 U	3.5 U	3.3 U	3.2 U	3 U	2.9 U	3.2 U
Endrin	72-20-8	2,200	11,000	3.4 U	3.2 U	3.3 U	4 U	3.1 U	3.1 U	3.1 U	3.1 U	3.5 U	3.3 U	3.2 U	3 U	2.9 U	3.2 U
Endrin Aldehyde	7421-93-4	NC	NC	3.4 U	3.2 U	3.3 U	4 U	3.1 U	3.1 U	3.1 U	3.1 U	3.5 U	3.3 U	3.2 U	3 U	2.9 U	3.2 U
Endrin Ketone	53494-70-5	NC	NC	3.4 U	3.2 U	3.3 U	4 U	3.1 U	3.1 U	3.1 U	3.1 U	3.5 U	3.3 U	3.2 U	3 U	2.9 U	3.2 U
Heptachlor	76-44-8	420	2,100	3.4 U	3.2 U	3.3 U	4 UJ	3.1 U	3.1 U	3.1 U	3.1 U	3.5 U	3.3 U	3.2 U	3 U	2.9 U	3.2 U
Heptachlor Epoxide	1024-57-3	77[CP]	NC	3.4 U	3.2 U	3.3 U	4 U	3.1 U	3.1 U	3.1 U	3.1 U	3.5 U	3.3 U	3.2 U	3 U	2.9 U	3.2 U
Lindane	58-89-9	280	1,300	3.4 U	3.2 U	3.3 U	4 U	3.1 U	3.1 U	3.1 U	3.1 U	3.5 UJ	3.3 U	3.2 U	3 U	2.9 U	3.2 U
Methoxychlor	72-43-5	100,000[CP]	NC	3.4 U	3.2 UJ	3.3 UJ	4 U	3.1 U	3.1 U	3.1 U	3.1 U	3.5 U	3.3 U	3.2 U	3 U	2.9 U	3.2 U
Toxaphene	8001-35-2	NC	NC	69.7 U	64.8 U	66 U	80.4 U	63.6 U	62.6 U	63 U	63.2 U	70.5 U	67.8 U	64.4 U	61.4 U	58.6 U	65 U
y-Chlordane	5103-74-2	540[CP]	NC	3.4 U	3.2 U	3.3 U	4 U	3.1 U	3.1 U	3.1 U	3.1 U	3.5 U	3.3 U	3.2 U	3 U	2.9 U	3.2 U

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.
Exceeds Residential Use SCO listed in Part 375 or CP-51
Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 8C - Subsurface Soil Results Compared to Restricted SCOs
Pesticides/Herbicides
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

			Sample Location	SB-168	SB-169	SB-TP-139[BB]	SB-TP-139[BB]	TP-100	TP-103	TP-103	TP-105	TP-108	TP-112	TP-113	TP-114
			Sample ID	SB-168-16-17-030816	SB-169-16-17-030716	DUP-001-030716	SB-TP-139-12-14-030716	TP-100-2-4-012116	DUP-008-012116	TP-103-0-2-012116	TP-105-4.5-6.5-012216	TP-108-0-1.5-012516	TP-112-3.5-4-012516	TP-113-1.5-2-012516	TP-114-4-5-012616
			Sample Date	3/8/2016	3/7/2016	3/7/2016	3/7/2016	1/21/2016	1/21/2016	1/21/2016	1/22/2016	1/25/2016	1/25/2016	1/25/2016	1/26/2016
			Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
			Lab SDG	2130254	2129473	2129473	2129473	2120575	2120575	2120575	2120575	2121863	2121863	2121863	2121863
			Start Depth	16	16	12	12	2	0	0	4.5	0	3.5	1.5	4
			End Depth	17	17	14	14	4	2	2	6.5	1.5	4	2	5
Chemical Name	CAS #	NY Part 375 Residential SCO[1]	NY Part 375 Restricted Residential SCO[1]												
Pesticides/Herbicides															
4-4-DDD	72-54-8	2,600	13,000	3.1 U	3.1 U	3.1 U	3.2 U	3.5 U	3.1 U	2.9 U	3.4 U	3.2 U	3.2 U	2.8 U	3.9 U
4-4-DDE	72-55-9	1,800	8,900	3.1 U	3.1 U	3.1 U	3.2 U	3.5 U	3.1 U	2.9 U	3.4 U	3.2 U	3.2 U	2.8 U	3.9 U
4-4-DDT	50-29-3	1,700	7,900	3.1 U	3.1 U	3.1 U	3.2 U	3.5 U	3.1 U	2.9 U	3.4 U	3.2 U	3.2 U	2.8 U	3.9 U
a-BHC	319-84-6	97	480	3.1 U	3.1 U	3.1 U	3.2 U	3.5 U	3.1 U	2.9 U	3.4 U	3.2 U	3.2 U	2.8 U	3.9 U
Aldrin	309-00-2	19	97	3.1 U	3.1 U	3.1 U	3.2 U	3.5 U	3.1 U	2.9 U	3.4 U	3.2 U	3.2 U	2.8 U	3.9 U
alpha-Chlordane	5103-71-9	910	4,200	3.1 U	3.1 U	3.1 U	3.2 U	3.5 U	3.1 U	2.9 U	3.4 U	3.2 U	3.2 U	2.8 U	3.9 U
b-BHC	319-85-7	72	360	3.1 U	3.1 U	3.1 U	3.2 U	3.5 U	3.1 U	2.9 U	3.4 U	3.2 U	3.2 U	2.8 U	3.9 U
Chlordane	57-74-9	NC	NC	NA	NA	NA	NA	37.1 U	33.4 U	30.4 U	36.1 U	NA	NA	NA	NA
d-BHC	319-86-8	100,000	100,000	3.1 U	3.1 U	3.1 U	3.2 U	3.5 UJ	3.1 UJ	2.9 UJ	3.4 UJ	3.2 U	3.2 U	2.8 U	3.9 U
Dieldrin	60-57-1	39	200	3.1 U	3.1 U	3.1 U	3.2 U	3.5 U	3.1 U	2.9 U	3.4 U	3.2 U	3.2 U	2.8 U	3.9 U
Endosulfan I	959-98-8	4,800	24,000	3.1 U	3.1 U	3.1 U	3.2 U	3.5 U	3.1 U	2.9 U	3.4 U	3.2 U	3.2 U	2.8 U	3.9 U
Endosulfan II	33213-65-9	4,800	24,000	3.1 U	3.1 U	3.1 U	3.2 U	3.5 U	3.1 U	2.9 U	3.4 U	3.2 U	3.2 U	2.8 U	3.9 U
Endosulfan Sulfate	1031-07-8	4,800	24,000	3.1 U	3.1 U	3.1 U	3.2 U	3.5 U	3.1 U	2.9 U	3.4 U	3.2 U	3.2 U	2.8 U	3.9 U
Endrin	72-20-8	2,200	11,000	3.1 U	3.1 U	3.1 U	3.2 U	3.5 U	3.1 U	2.9 U	3.4 U	3.2 U	3.2 U	2.8 U	3.9 U
Endrin Aldehyde	7421-93-4	NC	NC	3.1 U	3.1 U	3.1 U	3.2 U	3.5 U	3.1 U	2.9 U	3.4 U	3.2 U	3.2 U	2.8 U	3.9 U
Endrin Ketone	53494-70-5	NC	NC	3.1 U	3.1 U	3.1 U	3.2 U	3.5 U	3.1 U	2.9 U	3.4 U	3.2 U	3.2 U	2.8 U	3.9 U
Heptachlor	76-44-8	420	2,100	3.1 U	3.1 U	3.1 U	3.2 U	3.5 U	3.1 U	2.9 U	3.4 U	3.2 U	3.2 U	2.8 U	3.9 U
Heptachlor Epoxide	1024-57-3	77[CP]	NC	3.1 U	3.1 U	3.1 U	3.2 U	3.5 U	3.1 U	2.9 U	4	3.2 U	3.2 U	2.8 U	3.9 U
Lindane	58-89-9	280	1,300	3.1 U	3.1 U	3.1 U	3.2 U	3.5 U	3.1 U	2.9 U	3.4 U	3.2 U	3.2 U	2.8 U	3.9 U
Methoxychlor	72-43-5	100,000[CP]	NC	3.1 U	3.1 U	3.1 U	3.2 U	3.5 U	3.1 U	2.9 U	3.4 U	3.2 U	3.2 U	2.8 U	3.9 U
Toxaphene	8001-35-2	NC	NC	63 U	62.1 U	62.4 U	64.7 U	71.1 U	63.8 U	58.3 U	69.1 U	64.8 U	65.3 U	57.5 U	78.9 U
y-Chlordane	5103-74-2	540[CP]	NC	3.1 U	3.1 U	3.1 U	3.2 U	3.5 U	3.1 U	2.9 U	3.4 U	3.2 U	3.2 U	2.8 U	3.9 U

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.

	Exceeds Residential Use SCO listed in Part 375 or CP-51
	Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 8C - Subsurface Soil Results Compared to Restricted SCOs
Pesticides/Herbicides
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

			Sample Location	TP-117	TP-123	TP-127	TP-128	TP-130	TP-132	TP-134	TP-135	TP-137	TP-143	TP-148	TP-149[BB]
			Sample ID	TP-117-1.5-2-011516	TP-123-4.5-5-012616	TP-127-8-8.5-012716	TP-128-5-6-012716	TP-130-9.5-10-012816	TP-132-3-3.5-012816	TP-134-5-6-012816	TP-135-2-3-012916	TP-137-9.5-10-012916	TP-143-4-6.5-011416	TP-148-2-2.5-012516	TP-149-6-8-011416
			Sample Date	1/15/2016	1/26/2016	1/27/2016	1/27/2016	1/28/2016	1/28/2016	1/28/2016	1/29/2016	1/29/2016	1/14/2016	1/25/2016	1/14/2016
			Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
			Lab SDG	2120575	2121863	2121863	2121863	2121862	2121862	2121862	2121862	2121862	2119212	2121863	2119212
			Start Depth	1.5	4.5	8	5	9.5	3	5	2	9.5	4	2	6
			End Depth	2	5	8.5	6	10	3.5	6	3	10	6.5	2.5	8
Chemical Name	CAS #	NY Part 375 Residential SCO[1]	NY Part 375 Restricted Residential SCO[1]												
Pesticides/Herbicides															
4-4-DDD	72-54-8	2,600	13,000	3.3 U	3.2 U	4.5 U	5.1 U	3.5 U	6.4 J	3.3 U	3.1 U	3.1 U	4.5 UJ	3.1 U	3.9 U
4-4-DDE	72-55-9	1,800	8,900	3.3 U	3.2 U	4.5 U	5.1 U	3.5 U	5.1 J	3.3 U	3.1 U	3.1 U	4.5 U	3.1 U	3.9 U
4-4-DDT	50-29-3	1,700	7,900	3.3 U	3.2 U	4.5 U	5.1 U	3.5 U	5.1 JN	3.3 U	3.1 U	3.1 U	4.5 U	3.1 U	3.9 U
a-BHC	319-84-6	97	480	3.3 U	3.2 U	4.5 U	5.1 U	3.5 U	3.5 U	3.3 U	3.1 U	3.1 U	4.5 UJ	3.1 U	3.9 U
Aldrin	309-00-2	19	97	3.3 U	3.2 U	4.5 U	5.1 U	3.5 U	3.5 U	3.3 U	3.1 U	3.1 U	4.5 U	3.1 U	3.9 U
alpha-Chlordane	5103-71-9	910	4,200	3.3 U	3.2 U	4.5 U	5.1 U	3.5 U	2.8 J	3.3 U	3.1 U	3.1 U	4.5 UJ	3.1 U	3.9 U
b-BHC	319-85-7	72	360	3.3 U	3.2 U	4.5 U	5.1 U	3.5 U	3.5 U	3.3 U	3.1 U	3.1 U	4.5 U	3.1 U	3.9 U
Chlordane	57-74-9	NC	NC	35.4 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
d-BHC	319-86-8	100,000	100,000	3.3 UJ	3.2 U	4.5 U	5.1 U	3.5 U	3.5 U	3.3 U	3.1 U	3.1 U	4.5 UJ	3.1 U	3.9 U
Dieldrin	60-57-1	39	200	3.3 U	3.2 U	4.5 U	5.1 U	3.5 U	3.5 U	3.3 U	3.1 U	3.1 U	4.5 U	3.1 U	17.7 JN
Endosulfan I	959-98-8	4,800	24,000	3.3 U	3.2 U	4.5 U	5.1 U	3.5 U	3.5 U	3.3 U	3.1 U	3.1 U	4.5 U	3.1 U	3.9 U
Endosulfan II	33213-65-9	4,800	24,000	3.3 U	3.2 U	4.5 U	5.1 U	3.5 U	3.5 U	3.3 U	3.1 U	3.1 U	4.5 UJ	3.1 U	3.9 U
Endosulfan Sulfate	1031-07-8	4,800	24,000	3.3 U	3.2 U	4.5 U	5.1 U	3.5 U	3.5 U	3.3 U	3.1 U	3.1 U	4.5 U	3.1 U	3.9 U
Endrin	72-20-8	2,200	11,000	3.3 U	3.2 U	4.5 U	5.1 U	3.5 U	3.5 U	3.3 U	3.1 U	3.1 U	4.5 U	3.1 U	3.9 U
Endrin Aldehyde	7421-93-4	NC	NC	3.3 U	3.2 U	4.5 U	5.1 U	3.5 U	3.5 U	3.3 U	3.1 U	3.1 U	4.5 U	3.1 U	3.9 U
Endrin Ketone	53494-70-5	NC	NC	3.3 U	3.2 U	4.5 U	5.1 U	3.5 U	3.5 U	3.3 U	3.1 U	3.1 U	4.5 U	3.1 U	3.9 U
Heptachlor	76-44-8	420	2,100	3.3 U	3.2 U	4.5 U	5.1 U	3.5 U	3.5 U	3.3 U	3.1 U	3.1 U	4.5 U	3.1 U	3.9 U
Heptachlor Epoxide	1024-57-3	77[CP]	NC	3.3 U	3.2 U	4.5 U	5.1 U	3.5 U	3.5 U	3.3 U	3.1 U	3.1 U	4.5 UJ	3.1 U	3.9 U
Lindane	58-89-9	280	1,300	3.3 U	3.2 U	4.5 U	5.1 U	3.5 U	3.5 U	3.3 U	3.1 U	3.1 U	4.5 U	3.1 U	3.9 U
Methoxychlor	72-43-5	100,000[CP]	NC	3.3 U	3.2 U	4.5 U	5.1 U	3.5 U	3.5 U	3.3 U	3.1 U	3.1 U	4.5 U	3.1 U	3.9 U
Toxaphene	8001-35-2	NC	NC	67.8 U	64.1 U	91.5 U	103 U	70.3 U	70.8 U	66.2 U	62 U	63.9 U	91.4 U	63.5 U	78.3 U
y-Chlordane	5103-74-2	540[CP]	NC	3.3 U	3.2 U	4.5 U	5.1 U	4 JN	10.1 JN	3.3 U	3.1 U	3.1 U	4.5 U	3.1 U	3.9 U

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.
Exceeds Residential Use SCO listed in Part 375 or CP-51
Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 8D - Subsurface Soil Results Compared to Restricted SCOs
PCBs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

				Sample Location	OVR-100	OVR-107	OVR-108	OVR-109	OVR-109	OVR-116	OVR-117
				Sample ID	OVR-100-6-7-04222016	OVR-107-10-11-041216	OVR-108-4.1-5.4-041316	DUP-004-041116	OVR-109-10-11.8-041116	OVR-116-10-11.9-040116	OVR-117-7-7.6-040716
				Sample Date	4/22/2016	4/12/2016	4/13/2016	4/11/2016	4/11/2016	4/1/2016	4/7/2016
				Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
				Lab SDG	2139069	2136537	2139069	2136537	2136537	2136532	2136537
				Start Depth	6	10	4.1	10	10	10	7
				End Depth	7	11	5.4	11.8	11.8	11.9	7.6
Chemical Name	CAS #	NY Part375-Residential SCO[1]	NY Part375-Restricted Residential SCO[1]	CP PCB Guidance[2] Greater 1 ft							
PCBs											
Aroclor 1268	11100-14-4	NC	NC	10	NA	0.041 UJ	NA	0.04 UJ	0.043 U	0.04 U	0.054 R
Aroclor-1016	12674-11-2	NC	NC	10	0.046 U	0.041 UJ	0.041 U	0.04 UJ	0.043 U	0.04 U	0.054 R
Aroclor-1221	11104-28-2	NC	NC	10	0.046 U	0.041 UJ	0.041 U	0.04 UJ	0.043 U	0.04 U	0.054 R
Aroclor-1232	11141-16-5	NC	NC	10	0.046 U	0.041 UJ	0.041 U	0.04 UJ	0.043 U	0.04 U	0.054 R
Aroclor-1242	53469-21-9	NC	NC	10	0.046 U	0.041 UJ	0.041 U	0.04 UJ	0.043 U	0.04 U	0.054 R
Aroclor-1248	12672-29-6	NC	NC	10	0.056	0.041 UJ	0.041 U	0.04 UJ	0.043 U	0.04 U	0.054 R
Aroclor-1254	11097-69-1	NC	NC	10	0.046 U	0.041 UJ	0.041 U	0.04 UJ	0.043 U	0.04 U	0.054 R
Aroclor-1260	11096-82-5	NC	NC	NC	0.046 U	0.041 UJ	0.041 U	0.04 UJ	0.043 U	0.04 U	0.054 R
Aroclor-1262	37324-23-5	NC	NC	NC	NA	0.041 UJ	NA	0.04 UJ	0.043 U	0.04 U	0.054 R
Total PCB	NA	1	1	10	0.056	ND	ND	ND	ND	ND	R

Notes:
mg/kg - milligrams per kilogram
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
R - result rejected during validation due to QA/QC excursion
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[2] - Criteria from the CP-51, Soil Cleanup Guidance.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.
Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 8D - Subsurface Soil Results Compared to Restricted SCOs
PCBs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

				Sample Location	OVR-118	SB-100	SB-101	SB-103	SB-105	SB-106	SB-107
				Sample ID	OVR-118-0.5-1-041316	SB-100-9-10-031016	SB-101-12.5-14-031016	SB-103-4.8-5.8-030416	SB-105-11-12-031016	SB-106-5-6-030316	SB-107-6-7-030316
				Sample Date	4/13/2016	3/10/2016	3/10/2016	3/4/2016	3/10/2016	3/3/2016	3/3/2016
				Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
				Lab SDG	2139069	2130254	2130254	2129473	2130254	2129473	2129473
				Start Depth	0.5	9	12.5	4.8	11	5	6
				End Depth	1	10	14	5.8	12	6	7
Chemical Name	CAS #	NY Part375-Residential SCO[1]	NY Part375-Restricted Residential SCO[1]	CP PCB Guidance[2] Greater 1 ft							
PCBs											
Aroclor 1268	11100-14-4	NC	NC	10	NA	0.051 U	0.042 U	0.039 U	0.051 U	0.039 U	0.037 U
Aroclor-1016	12674-11-2	NC	NC	10	0.037 U	0.051 U	0.042 U	0.039 U	0.051 U	0.039 U	0.037 U
Aroclor-1221	11104-28-2	NC	NC	10	0.037 U	0.051 U	0.042 U	0.039 U	0.051 U	0.039 U	0.037 U
Aroclor-1232	11141-16-5	NC	NC	10	0.037 U	0.051 U	0.042 U	0.039 U	0.051 U	0.039 U	0.037 U
Aroclor-1242	53469-21-9	NC	NC	10	0.037 U	0.051 U	0.042 U	0.039 U	0.051 U	0.039 U	0.037 U
Aroclor-1248	12672-29-6	NC	NC	10	0.037 U	0.051 U	0.042 U	0.039 U	0.051 U	0.039 U	0.037 U
Aroclor-1254	11097-69-1	NC	NC	10	0.037 U	0.051 U	0.042 U	0.039 U	0.051 U	0.039 U	0.037 U
Aroclor-1260	11096-82-5	NC	NC	NC	0.037 U	0.051 U	0.042 U	0.039 U	0.051 U	0.039 U	0.037 U
Aroclor-1262	37324-23-5	NC	NC	NC	NA	0.051 U	0.042 U	0.039 U	0.051 U	0.039 U	0.037 U
Total PCB	NA	1	1	10	ND	ND	ND	ND	ND	ND	ND

Notes:
mg/kg - milligrams per kilogram
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
R - result rejected during validation due to QA/QC excursion
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[2] - Criteria from the CP-51, Soil Cleanup Guidance.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.
Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 8D - Subsurface Soil Results Compared to Restricted SCOs
PCBs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

				Sample Location	SB-108	SB-111	SB-112	SB-113	SB-113[BB]	SB-113	SB-114	SB-116
				Sample ID	SB-108-5.8-6.4-030316	SB-111-6-7-031016	B-112-0.5-2.0-08221	DUP-002-031416	SB-113-1-2-031416	SB-113-4.5-6.5-031416	SB-114-2-2.5-030216	SB-116-5.7-6.5-030216
				Sample Date	3/3/2016	3/10/2016	8/22/2017	3/14/2016	3/14/2016	3/14/2016	3/2/2016	3/2/2016
				Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
				Lab SDG	2129473	2130254	2258101	2130903	2130903	2130903	2127346	2127346
				Start Depth	5.8	6	0.5	4.5	1	4.5	2	5.7
				End Depth	6.4	7	2	6.5	2	6.5	2.5	6.5
Chemical Name	CAS #	NY Part375-Residential SCO[1]	NY Part375-Restricted Residential SCO[1]	CP PCB Guidance[2] Greater 1 ft								
PCBs												
Aroclor 1268	11100-14-4	NC	NC	10	0.041 U	0.037 U	0.043 U	0.04 U	0.04 U	0.053 U	0.036 U	0.042 U
Aroclor-1016	12674-11-2	NC	NC	10	0.041 U	0.037 U	0.043 U	0.04 U	0.04 U	0.053 U	0.036 U	0.042 U
Aroclor-1221	11104-28-2	NC	NC	10	0.041 U	0.037 U	0.043 U	0.04 U	0.04 U	0.053 U	0.036 U	0.042 U
Aroclor-1232	11141-16-5	NC	NC	10	0.041 U	0.037 U	0.043 U	0.04 U	0.04 U	0.053 U	0.036 U	0.042 U
Aroclor-1242	53469-21-9	NC	NC	10	0.041 U	0.037 U	0.043 U	0.04 U	0.04 U	0.053 U	0.036 U	0.042 U
Aroclor-1248	12672-29-6	NC	NC	10	0.041 U	0.037 U	0.043 U	0.04 U	0.04 U	0.053 U	0.036 U	0.042 U
Aroclor-1254	11097-69-1	NC	NC	10	0.041 U	0.037 U	0.043 U	0.04 U	0.04 U	0.053 U	0.036 U	0.042 U
Aroclor-1260	11096-82-5	NC	NC	NC	0.041 U	0.037 U	0.043 U	0.04 U	0.04 U	0.053 U	0.036 U	0.042 U
Aroclor-1262	37324-23-5	NC	NC	NC	0.041 U	0.037 U	0.043 U	0.04 U	0.04 U	0.053 U	0.036 U	0.042 U
Total PCB	NA	1	1	10	ND	ND	0.043 U	ND	ND	ND	ND	ND

Notes:
mg/kg - milligrams per kilogram
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
R - result rejected during validation due to QA/QC excursion
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[2] - Criteria from the CP-51, Soil Cleanup Guidance.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.
Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 8D - Subsurface Soil Results Compared to Restricted SCOs
PCBs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

				Sample Location	SB-117	SB-117	SB-118	SB-119	SB-120	SB-121	SB-122	SB-123
				Sample ID	DUP-003-030216	SB-117-5.9-7-030216	SB-118-7-7.4-030216	SB-119-4.5-6-031116	SB-120-6.5-7.4-031416	SB-121-2-2.5-031416	SB-122-7-8-022916	SB-123-6-7-031416
				Sample Date	3/2/2016	3/2/2016	3/2/2016	3/11/2016	3/14/2016	3/14/2016	2/29/2016	3/14/2016
				Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
				Lab SDG	2127346	2127346	2127346	2130903	2130903	2130903	2127346	2130903
				Start Depth	5.9	5.9	7	4.5	6.5	2	7	6
				End Depth	7	7	7.4	6	7.4	2.5	8	7
Chemical Name	CAS #	NY Part375-Residential SCO[1]	NY Part375-Restricted Residential SCO[1]	CP PCB Guidance[2] Greater 1 ft								
PCBs												
Aroclor 1268	11100-14-4	NC	NC	10	0.043 U	0.044 U	0.039 U	0.04 U	0.049 U	0.042 U	0.038 U	0.038 U
Aroclor-1016	12674-11-2	NC	NC	10	0.043 U	0.044 U	0.039 U	0.04 U	0.049 U	0.042 U	0.038 U	0.038 U
Aroclor-1221	11104-28-2	NC	NC	10	0.043 U	0.044 U	0.039 U	0.04 U	0.049 U	0.042 U	0.038 U	0.038 U
Aroclor-1232	11141-16-5	NC	NC	10	0.043 U	0.044 U	0.039 U	0.04 U	0.049 U	0.042 U	0.038 U	0.038 U
Aroclor-1242	53469-21-9	NC	NC	10	0.043 U	0.044 U	0.039 U	0.04 U	0.049 U	0.042 U	0.038 U	0.038 U
Aroclor-1248	12672-29-6	NC	NC	10	0.043 U	0.044 U	0.039 U	0.04 U	0.049 U	0.042 U	0.038 U	0.038 U
Aroclor-1254	11097-69-1	NC	NC	10	0.043 U	0.044 U	0.039 U	0.04 U	0.049 U	0.042 U	0.038 U	0.038 U
Aroclor-1260	11096-82-5	NC	NC	NC	0.043 U	0.044 U	0.039 U	0.04 U	0.049 U	0.042 U	0.038 U	0.038 U
Aroclor-1262	37324-23-5	NC	NC	NC	0.043 U	0.044 U	0.039 U	0.04 U	0.049 U	0.042 U	0.038 U	0.038 U
Total PCB	NA	1	1	10	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
mg/kg - milligrams per kilogram
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
R - result rejected during validation due to QA/QC excursion
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[2] - Criteria from the CP-51, Soil Cleanup Guidance.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.
Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 8D - Subsurface Soil Results Compared to Restricted SCOs
PCBs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

				Sample Location	SB-125	SB-126	SB-128	SB-129	SB-130	SB-131	SB-132
				Sample ID	SB-125-5-7-031416	SB-126-1.5-2-031516	SB-128-6-6.5-031516	SB-129-4.6-6.6-031516	SB-130-4-4.5-042216	SB-131-8-10-031116	SB-132-4.5-5-041516
				Sample Date	3/14/2016	3/15/2016	3/15/2016	3/15/2016	4/22/2016	3/11/2016	4/15/2016
				Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
				Lab SDG	2130903	2130900	2130900	2130900	2139069	2130903	2140071
				Start Depth	5	1.5	6	4.6	4	8	4.5
				End Depth	7	2	6.5	6.6	4.5	10	5
Chemical Name	CAS #	NY Part375-Residential SCO[1]	NY Part375-Restricted Residential SCO[1]	CP PCB Guidance[2] Greater 1 ft							
PCBs											
Aroclor 1268	11100-14-4	NC	NC	10	0.04 U	0.038 U	0.049 U	0.04 U	NA	0.039 U	0.04 U
Aroclor-1016	12674-11-2	NC	NC	10	0.04 U	0.038 U	0.049 U	0.04 U	0.062 U	0.039 U	0.04 U
Aroclor-1221	11104-28-2	NC	NC	10	0.04 U	0.038 U	0.049 U	0.04 U	0.062 U	0.039 U	0.04 U
Aroclor-1232	11141-16-5	NC	NC	10	0.04 U	0.038 U	0.049 U	0.04 U	0.062 U	0.039 U	0.04 U
Aroclor-1242	53469-21-9	NC	NC	10	0.04 U	0.038 U	0.049 U	0.04 U	0.062 U	0.039 U	0.04 U
Aroclor-1248	12672-29-6	NC	NC	10	0.04 U	0.038 U	0.049 U	0.04 U	0.062 U	0.039 U	0.04 U
Aroclor-1254	11097-69-1	NC	NC	10	0.04 U	0.016 J	0.049 U	0.04 U	0.062 U	0.039 U	0.04 U
Aroclor-1260	11096-82-5	NC	NC	NC	0.04 U	0.038 U	0.049 U	0.04 U	0.025 J	0.039 U	0.04 U
Aroclor-1262	37324-23-5	NC	NC	NC	0.04 U	0.038 U	0.049 U	0.04 U	NA	0.039 U	0.04 U
Total PCB	NA	1	1	10	ND	0.016 J	ND	ND	0.025 J	ND	ND

Notes:
mg/kg - milligrams per kilogram
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
R - result rejected during validation due to QA/QC excursion
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[2] - Criteria from the CP-51, Soil Cleanup Guidance.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.
Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 8D - Subsurface Soil Results Compared to Restricted SCOs
PCBs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

				Sample Location	SB-133	SB-134	SB-135	SB-136	SB-137	SB-138	SB-139	SB-141
				Sample ID	SB-133-4.5-5-041416	SB-134-10-11-031516	SB-135-8-9-041516	SB-136-5-7-031116	SB-137-6-8-031116	SB-138-4-4.8-030116	SB-139-8-9.7-030116	SB-141-7-8-030116
				Sample Date	4/14/2016	3/15/2016	4/15/2016	3/11/2016	3/11/2016	3/1/2016	3/1/2016	3/1/2016
				Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
				Lab SDG	2139069	2130900	2139069	2130903	2130903	2127346	2127346	2127346
				Start Depth	4.5	10	8	5	6	4	8	7
				End Depth	5	11	9	7	8	4.8	9.7	8
Chemical Name	CAS #	NY Part375-Residential SCO[1]	NY Part375-Restricted Residential SCO[1]	CP PCB Guidance[2] Greater 1 ft								
PCBs												
Aroclor 1268	11100-14-4	NC	NC	10	NA	0.039 U	NA	0.039 U	0.04 U	0.039 U	0.039 U	0.038 U
Aroclor-1016	12674-11-2	NC	NC	10	0.074 U	0.039 U	0.049 U	0.039 U	0.04 U	0.039 U	0.039 U	0.038 U
Aroclor-1221	11104-28-2	NC	NC	10	0.074 U	0.039 U	0.049 U	0.039 U	0.04 U	0.039 U	0.039 U	0.038 U
Aroclor-1232	11141-16-5	NC	NC	10	0.074 U	0.039 U	0.049 U	0.039 U	0.04 U	0.039 U	0.039 U	0.038 U
Aroclor-1242	53469-21-9	NC	NC	10	0.074 U	0.039 U	0.049 U	0.039 U	0.04 U	0.039 U	0.039 U	0.038 U
Aroclor-1248	12672-29-6	NC	NC	10	0.074 U	0.039 U	0.049 U	0.039 U	0.04 U	0.039 U	0.039 U	0.038 U
Aroclor-1254	11097-69-1	NC	NC	10	0.074 U	0.039 U	0.049 U	0.039 U	0.04 U	0.039 U	0.039 U	0.038 U
Aroclor-1260	11096-82-5	NC	NC	NC	0.074 U	0.039 U	0.049 U	0.039 U	0.04 U	0.039 U	0.039 U	0.038 U
Aroclor-1262	37324-23-5	NC	NC	NC	NA	0.039 U	NA	0.039 U	0.04 U	0.039 U	0.039 U	0.038 U
Total PCB	NA	1	1	10	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
mg/kg - milligrams per kilogram
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
R - result rejected during validation due to QA/QC excursion
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[2] - Criteria from the CP-51, Soil Cleanup Guidance.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.
Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 8D - Subsurface Soil Results Compared to Restricted SCOs
PCBs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

				Sample Location	SB-142	SB-143[BB]	SB-144	SB-145	SB-147	SB-148	SB-150
				Sample ID	SB-142-11-12-030116	SB-143-3-4-030116	SB-144-1-1.8-030116	SB-145-25.4-26.1-030916	SB-147-10-11.4-042216	SB-148-8-9.2-040616	SB-150-3-4-022916
				Sample Date	3/1/2016	3/1/2016	3/1/2016	3/9/2016	4/22/2016	4/7/2016	2/29/2016
				Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
				Lab SDG	2127346	2127346	2127346	2130254	2139069	2136537	2127346
				Start Depth	11	3	1	25.4	10	8	3
				End Depth	12	4	1.8	26.1	11	9.2	4
Chemical Name	CAS #	NY Part375-Residential SCO[1]	NY Part375-Restricted Residential SCO[1]	CP PCB Guidance[2] Greater 1 ft							
PCBs											
Aroclor 1268	11100-14-4	NC	NC	10	0.04 U	0.043 U	0.039 U	0.043 U	NA	0.043 UJ	0.041 U
Aroclor-1016	12674-11-2	NC	NC	10	0.04 U	0.043 U	0.039 U	0.043 U	0.045 U	0.043 UJ	0.041 U
Aroclor-1221	11104-28-2	NC	NC	10	0.04 U	0.043 U	0.039 U	0.043 U	0.045 U	0.043 UJ	0.041 U
Aroclor-1232	11141-16-5	NC	NC	10	0.04 U	0.043 U	0.039 U	0.043 U	0.045 U	0.043 UJ	0.041 U
Aroclor-1242	53469-21-9	NC	NC	10	0.04 U	0.043 U	0.039 U	0.043 U	0.045 U	0.043 UJ	0.041 U
Aroclor-1248	12672-29-6	NC	NC	10	0.04 U	0.043 U	0.039 U	0.043 U	0.045 U	0.043 UJ	0.041 U
Aroclor-1254	11097-69-1	NC	NC	10	0.04 U	0.043 U	0.039 U	0.043 U	0.045 U	0.043 UJ	0.041 U
Aroclor-1260	11096-82-5	NC	NC	NC	0.04 U	0.043 U	0.039 U	0.043 U	0.023 J	0.043 UJ	0.041 U
Aroclor-1262	37324-23-5	NC	NC	NC	0.04 U	0.043 U	0.039 U	0.043 U	NA	0.043 UJ	0.041 U
Total PCB	NA	1	1	10	ND	ND	ND	ND	0.23 J	0.043 UJ	ND

Notes:
mg/kg - milligrams per kilogram
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
R - result rejected during validation due to QA/QC excursion
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[2] - Criteria from the CP-51, Soil Cleanup Guidance.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.
Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 8D - Subsurface Soil Results Compared to Restricted SCOs
PCBs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

				Sample Location	SB-152	SB-154	SB-155	SB-156	SB-158	SB-159	SB-160
				Sample ID	SB-152-6-7-030316	SB-154-15-17-030316	SB-155-2-3-031016	SB-156-16-17-030916	SB-158-16-17.5-030816	SB-159-17-18-030916	SB-160-4-5-030916
				Sample Date	3/3/2016	3/3/2016	3/10/2016	3/9/2016	3/8/2016	3/9/2016	3/9/2016
				Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
				Lab SDG	2129473	2129473	2130254	2130254	2130254	2130254	2130254
				Start Depth	6	15	2	16	16	17	4
				End Depth	7	17	3	17	17.5	18	5
Chemical Name	CAS #	NY Part375-Residential SCO[1]	NY Part375-Restricted Residential SCO[1]	CP PCB Guidance[2] Greater 1 ft							
PCBs											
Aroclor 1268	11100-14-4	NC	NC	10	0.038 U	0.04 U	NA	0.034 U	0.035 U	0.04 U	0.037 U
Aroclor-1016	12674-11-2	NC	NC	10	0.038 U	0.04 U	0.041 U	0.034 U	0.035 U	0.04 U	0.037 U
Aroclor-1221	11104-28-2	NC	NC	10	0.038 U	0.04 U	0.041 U	0.034 U	0.035 U	0.04 U	0.037 U
Aroclor-1232	11141-16-5	NC	NC	10	0.038 U	0.04 U	0.041 U	0.034 U	0.035 U	0.04 U	0.037 U
Aroclor-1242	53469-21-9	NC	NC	10	0.038 U	0.04 U	0.041 U	0.034 U	0.035 U	0.04 U	0.037 U
Aroclor-1248	12672-29-6	NC	NC	10	0.038 U	0.04 U	0.041 U	0.034 U	0.035 U	0.04 U	0.037 U
Aroclor-1254	11097-69-1	NC	NC	10	0.038 U	0.04 U	0.041 U	0.034 U	0.035 U	0.04 U	0.037 U
Aroclor-1260	11096-82-5	NC	NC	NC	0.038 U	0.04 U	0.041 U	0.034 U	0.035 U	0.04 U	0.037 U
Aroclor-1262	37324-23-5	NC	NC	NC	0.038 U	0.04 U	NA	0.034 U	0.035 U	0.04 U	0.037 U
Total PCB	NA	1	1	10	ND	ND	0.041 U	ND	ND	ND	ND

Notes:
mg/kg - milligrams per kilogram
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
R - result rejected during validation due to QA/QC excursion
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[2] - Criteria from the CP-51, Soil Cleanup Guidance.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.
Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 8D - Subsurface Soil Results Compared to Restricted SCOs
PCBs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

				Sample Location	SB-161	SB-163	SB-166	SB-167	SB-171	SB-172	SB-173
				Sample ID	SB-161-24-26-030816	SB-163-13.5-16-030816	SB-166-13-15-030816	SB-167-18-19-030716	SB-171-15-16-022916	SB-172-8.8-9.6-082217	SB-173-12-15-082117
				Sample Date	3/8/2016	3/8/2016	3/8/2016	3/7/2016	2/29/2016	8/22/2017	8/21/2017
				Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
				Lab SDG	2130254	2130254	2130254	2129473	2127346	2258101	2258101
				Start Depth	24	13.5	13	18	15	8.8	12
				End Depth	26	16	15	19	16	9.6	15
Chemical Name	CAS #	NY Part375-Residential SCO[1]	NY Part375-Restricted Residential SCO[1]	CP PCB Guidance[2] Greater 1 ft							
PCBs											
Aroclor 1268	11100-14-4	NC	NC	10	0.036 U	0.039 U	0.04 U	0.04 U	0.039 U	0.036 U	0.038 U
Aroclor-1016	12674-11-2	NC	NC	10	0.036 U	0.039 U	0.04 U	0.04 U	0.039 U	0.036 U	0.038 U
Aroclor-1221	11104-28-2	NC	NC	10	0.036 U	0.039 U	0.04 U	0.04 U	0.039 U	0.036 U	0.038 U
Aroclor-1232	11141-16-5	NC	NC	10	0.036 U	0.039 U	0.04 U	0.04 U	0.039 U	0.036 U	0.038 U
Aroclor-1242	53469-21-9	NC	NC	10	0.036 U	0.039 U	0.04 U	0.04 U	0.039 U	0.036 U	0.038 U
Aroclor-1248	12672-29-6	NC	NC	10	0.036 U	0.039 U	0.04 U	0.04 U	0.039 U	0.036 U	0.038 U
Aroclor-1254	11097-69-1	NC	NC	10	0.036 U	0.039 U	0.04 U	0.04 U	0.039 U	0.036 U	0.038 U
Aroclor-1260	11096-82-5	NC	NC	NC	0.036 U	0.039 U	0.04 U	0.04 U	0.039 U	0.036 U	0.038 U
Aroclor-1262	37324-23-5	NC	NC	NC	0.036 U	0.039 U	0.04 U	0.04 U	0.039 U	0.036 U	0.038 U
Total PCB	NA	1	1	10	ND	ND	ND	ND	ND	0.036 U	0.038 U

Notes:
mg/kg - milligrams per kilogram
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
R - result rejected during validation due to QA/QC excursion
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[2] - Criteria from the CP-51, Soil Cleanup Guidance.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.
Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 8D - Subsurface Soil Results Compared to Restricted SCOs
PCBs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

				Sample Location	SB-174	SB-176	SB-179	SB-180	SB-TP-131	SB-TP-139[BB]	SB-TP-139[BB]
				Sample ID	SB-174-12.5-15-082117	SB-176-6-7-041216	SB-179-6.2-7-030416	SB-180-14-14.7-030416	SB-TP-131-5-7-031516	DUP-001-030716	SB-TP-139-12-14-030716
				Sample Date	8/21/2017	4/12/2016	3/4/2016	3/4/2016	3/15/2016	3/7/2016	3/7/2016
				Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
				Lab SDG	2258101	2136537	2129473	2129473	2130900	2129473	2129473
				Start Depth	12.5	6	6.2	14	5	12	12
				End Depth	15	7	7	14.7	7	14	14
Chemical Name	CAS #	NY Part375-Residential SCO[1]	NY Part375-Restricted Residential SCO[1]	CP PCB Guidance[2] Greater 1 ft							
PCBs											
Aroclor 1268	11100-14-4	NC	NC	10	0.043 U	0.04 U	0.045 U	0.04 U	0.042 U	0.04 UJ	0.038 U
Aroclor-1016	12674-11-2	NC	NC	10	0.043 U	0.04 U	0.045 U	0.04 U	0.042 U	0.04 UJ	0.038 U
Aroclor-1221	11104-28-2	NC	NC	10	0.043 U	0.04 U	0.045 U	0.04 U	0.042 U	0.04 UJ	0.038 U
Aroclor-1232	11141-16-5	NC	NC	10	0.043 U	0.04 U	0.045 U	0.04 U	0.042 U	0.04 UJ	0.038 U
Aroclor-1242	53469-21-9	NC	NC	10	0.043 U	0.04 U	0.045 U	0.04 U	0.042 U	0.04 UJ	0.038 U
Aroclor-1248	12672-29-6	NC	NC	10	0.043 U	0.04 U	0.045 U	0.04 U	0.042 U	0.04 UJ	0.038 U
Aroclor-1254	11097-69-1	NC	NC	10	0.043 U	0.04 U	0.045 U	0.04 U	0.042 U	0.04 UJ	0.038 U
Aroclor-1260	11096-82-5	NC	NC	NC	0.043 U	0.04 U	0.045 U	0.04 U	0.042 U	0.04 UJ	0.038 U
Aroclor-1262	37324-23-5	NC	NC	NC	0.043 U	0.04 U	0.045 U	0.04 U	0.042 U	0.04 UJ	0.038 U
Total PCB	NA	1	1	10	0.043 U	ND	ND	ND	ND	ND	ND

Notes:

mg/kg - milligrams per kilogram
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
R - result rejected during validation due to QA/QC excursion
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[2] - Criteria from the CP-51, Soil Cleanup Guidance.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.
Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 8D - Subsurface Soil Results Compared to Restricted SCOs
PCBs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

				Sample Location	SB-TP-144	SB-TP-147	TP-100	TP-103	TP-103	TP-104	TP-105	TP-107
				Sample ID	SB-TP-144-4-6-030916	SB-TP-147-16-18-031016	TP-100-2-4-012116	DUP-008-012116	TP-103-0-2-012116	TP-104-0-2-012216	TP-105-4.5-6.5-012216	TP-107-0-2-012216
				Sample Date	3/9/2016	3/10/2016	1/21/2016	1/21/2016	1/21/2016	1/22/2016	1/22/2016	1/22/2016
				Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
				Lab SDG	2130254	2130254	R1600468	R1600468	R1600468	R1600468	R1600468	R1600468
				Start Depth	4	16	2	0	0	0	4.5	0
				End Depth	6	18	4	2	2	2	6.5	2
Chemical Name	CAS #	NY Part375-Residential SCO[1]	NY Part375-Restricted Residential SCO[1]	CP PCB Guidance[2] Greater 1 ft								
PCBs												
Aroclor 1268	11100-14-4	NC	NC	10	0.037	0.034 U	0.045 U	0.037 U	0.036 U	0.042 U	0.047 U	0.043 U
Aroclor-1016	12674-11-2	NC	NC	10	0.037 U	0.034 U	0.045 U	0.037 U	0.036 U	0.042 U	0.047 U	0.043 U
Aroclor-1221	11104-28-2	NC	NC	10	0.037 U	0.034 U	0.091 U	0.075 U	0.074 U	0.086 U	0.095 U	0.088 U
Aroclor-1232	11141-16-5	NC	NC	10	0.037 U	0.034 U	0.045 U	0.037 U	0.036 U	0.042 U	0.047 U	0.043 U
Aroclor-1242	53469-21-9	NC	NC	10	0.037 U	0.034 U	0.045 U	0.037 U	0.036 U	0.042 U	0.047 U	0.043 U
Aroclor-1248	12672-29-6	NC	NC	10	0.037 U	0.034 U	0.045 U	0.037 U	0.036 U	0.042 U	0.047 U	0.043 U
Aroclor-1254	11097-69-1	NC	NC	10	0.037 U	0.034 U	0.045 U	0.037 U	0.036 U	0.042 U	0.047 U	0.043 U
Aroclor-1260	11096-82-5	NC	NC	NC	0.037 U	0.034 U	0.045 U	0.037 U	0.036 U	0.042 U	0.047 U	0.056
Aroclor-1262	37324-23-5	NC	NC	NC	0.037	0.034 U	NA	NA	NA	NA	NA	NA
Total PCB	NA	1	1	10	0.037	ND	ND	ND	ND	ND	ND	0.056

Notes:
mg/kg - milligrams per kilogram
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
R - result rejected during validation due to QA/QC excursion
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[2] - Criteria from the CP-51, Soil Cleanup Guidance.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.
Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 8D - Subsurface Soil Results Compared to Restricted SCOs
PCBs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

Chemical Name	CAS #	NY Part375-Residential SCO[1]	NY Part375-Restricted Residential SCO[1]	CP PCB Guidance[2] Greater 1 ft	TP-108	TP-109[BB]	TP-112	TP-113	TP-114	TP-116	TP-117	TP-119
				Sample ID	TP-108-0-1.5-012516	TP-109-4-4.5-012516	TP-112-3.5-4-012516	TP-113-1.5-2-012516	TP-114-4-5-012616	TP-116-7-8-011516	TP-117-1.5-2-011516	TP-119-5-6-012616
				Sample Date	1/25/2016	1/25/2016	1/25/2016	1/25/2016	1/26/2016	1/15/2016	1/15/2016	1/26/2016
				Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
				Lab SDG	R1600634	R1600634	R1600634	R1600634	R1600634	R1600468	R1600468	R1600634
				Start Depth	0	4	3.5	1.5	4	7	1.5	5
				End Depth	1.5	4.5	4	2	5	8	2	6
PCBs												
Aroclor 1268	11100-14-4	NC	NC	10	0.042 U	0.042 U	0.043 U	0.036 U	0.049U	0.040 U	0.041 U	0.049 U
Aroclor-1016	12674-11-2	NC	NC	10	0.042 U	0.042 U	0.043 U	0.036 U	0.049U	0.040 U	0.041 U	0.049 U
Aroclor-1221	11104-28-2	NC	NC	10	0.085 U	0.084 U	0.087 U	0.073 U	0.099 U	0.082 U	0.083 U	0.100 U
Aroclor-1232	11141-16-5	NC	NC	10	0.042 U	0.042 U	0.043 U	0.036 U	0.049U	0.040 U	0.041 U	0.049 U
Aroclor-1242	53469-21-9	NC	NC	10	0.042 U	0.042 U	0.043 U	0.036 U	0.049U	0.040 U	0.041 U	0.049 U
Aroclor-1248	12672-29-6	NC	NC	10	0.042 U	0.042 U	0.043 U	0.036 U	0.049U	0.040 U	0.041 U	0.049 U
Aroclor-1254	11097-69-1	NC	NC	10	0.042 U	0.042 U	0.043 U	0.036 U	0.049U	0.040 U	0.041 U	0.049 U
Aroclor-1260	11096-82-5	NC	NC	NC	0.042 U	0.042 U	0.043 U	0.036 U	0.049U	0.040 U	0.041 U	0.049 U
Aroclor-1262	37324-23-5	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA
Total PCB	NA	1	1	10	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
mg/kg - milligrams per kilogram
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
R - result rejected during validation due to QA/QC excursion
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[2] - Criteria from the CP-51, Soil Cleanup Guidance.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.
Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 8D - Subsurface Soil Results Compared to Restricted SCOs
PCBs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

				Sample Location	TP-120	TP-120	TP-122	TP-123	TP-124	TP-126	TP-127	TP-129
				Sample ID	DUP-009-012616	TP-120-4-4.5-012616	TP-122-7-8-012716	TP-123-4.5-5-012616	TP-124-7.5-8-012616	TP-126-2-3-012716	TP-127-8-8.5-012716	DUP-010-012816
				Sample Date	1/26/2016	1/26/2016	1/27/2016	1/26/2016	1/26/2016	1/27/2016	1/27/2016	1/28/2016
				Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
				Lab SDG	R1600634	R1600634	R1600634	R1600634	R1600634	R1600634	R1600634	R1600810
				Start Depth	4	4	7	4.5	7.5	2	8	4
				End Depth	4.5	4.5	8	5	8	3	8.5	4.5
Chemical Name	CAS #	NY Part375-Residential SCO[1]	NY Part375-Restricted Residential SCO[1]	CP PCB Guidance[2] Greater 1 ft								
PCBs												
Aroclor 1268	11100-14-4	NC	NC	10	0.041 U	0.041 U	0.042 U	0.040 U	0.041 U	0.048 U	0.057 U	0.044 U
Aroclor-1016	12674-11-2	NC	NC	10	0.041 U	0.041 U	0.042 U	0.040 U	0.041 U	0.048 U	0.057 U	0.044 U
Aroclor-1221	11104-28-2	NC	NC	10	0.084 U	0.083 U	0.084 U	0.082 U	0.084 U	0.098 U	0.120 U	0.089 U
Aroclor-1232	11141-16-5	NC	NC	10	0.041 U	0.041 U	0.042 U	0.040 U	0.041 U	0.048 U	0.057 U	0.044 U
Aroclor-1242	53469-21-9	NC	NC	10	0.041 U	0.041 U	0.042 U	0.040 U	0.041 U	0.048 U	0.057 U	0.044 U
Aroclor-1248	12672-29-6	NC	NC	10	0.041 U	0.041 U	0.042 U	0.040 U	0.041 U	0.048 U	0.057 U	0.044 U
Aroclor-1254	11097-69-1	NC	NC	10	0.041 U	0.041 U	0.042 U	0.040 U	0.041 U	0.048 U	0.057 U	0.044 U
Aroclor-1260	11096-82-5	NC	NC	NC	0.041 U	0.041 U	0.042 U	0.040 U	0.041 U	0.048 U	0.057 U	0.044 U
Aroclor-1262	37324-23-5	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA
Total PCB	NA	1	1	10	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
mg/kg - milligrams per kilogram
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
R - result rejected during validation due to QA/QC excursion
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[2] - Criteria from the CP-51, Soil Cleanup Guidance.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.
Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 8D - Subsurface Soil Results Compared to Restricted SCOs
PCBs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

				Sample Location	TP-129	TP-130	TP-132	TP-135	TP-137	TP-138	TP-140[BB]	TP-141
				Sample ID	TP-129-4-4.5-012816	TP-130-9.5-10-012816	TP-132-3-3.5-012816	TP-135-2-3-012916	TP-137-9.5-10-012916	TP-138-5-6-011516	TP-140-2.5-3-011416	TP-141-4-5-011416
				Sample Date	1/28/2016	1/28/2016	1/28/2016	1/29/2016	1/29/2016	1/15/2016	1/14/2016	1/14/2016
				Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
				Lab SDG	R1600810	R1600810	R1600810	R1600810	R1600810	R1600468	R1600423	R1600423
				Start Depth	4	9.5	3	2	9.5	5	2.5	4
				End Depth	4.5	10	3.5	3	10	6	3	5
Chemical Name	CAS #	NY Part375-Residential SCO[1]	NY Part375-Restricted Residential SCO[1]	CP PCB Guidance[2] Greater 1 ft								
PCBs												
Aroclor 1268	11100-14-4	NC	NC	10	0.045 U	0.044 U	0.040 U	0.040 U	0.041 U	0.040 U	0.045 U	0.038 U
Aroclor-1016	12674-11-2	NC	NC	10	0.045 U	0.044 U	0.040 U	0.040 U	0.041 U	0.040 U	0.045 U	0.038 U
Aroclor-1221	11104-28-2	NC	NC	10	0.091 U	0.090 U	0.082 U	0.081 U	0.083 U	0.081 U	0.081 U	0.077 U
Aroclor-1232	11141-16-5	NC	NC	10	0.045 U	0.044 U	0.040 U	0.040 U	0.041 U	0.040 U	0.045 U	0.038 U
Aroclor-1242	53469-21-9	NC	NC	10	0.045 U	0.044 U	0.040 U	0.040 U	0.041 U	0.040 U	0.045 U	0.038 U
Aroclor-1248	12672-29-6	NC	NC	10	0.045 U	0.044 U	0.040 U	0.040 U	0.041 U	0.040 U	0.045 U	0.038 U
Aroclor-1254	11097-69-1	NC	NC	10	0.045 U	0.044 U	0.040 U	0.040 U	0.041 U	0.040 U	0.045 U	0.038 U
Aroclor-1260	11096-82-5	NC	NC	NC	0.045 U	0.044 U	0.023 J	0.040 U	0.041 U	0.040 U	0.045 U	0.038 U
Aroclor-1262	37324-23-5	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA
Total PCB	NA	1	1	10	ND	ND	0.023 J	ND	ND	ND	ND	ND

Notes:
mg/kg - milligrams per kilogram
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
R - result rejected during validation due to QA/QC excursion
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[2] - Criteria from the CP-51, Soil Cleanup Guidance.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.
Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 8D - Subsurface Soil Results Compared to Restricted SCOs
PCBs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

				Sample Location	TP-142	TP-143	TP-148	TP-149[BB]	TP-150[BB]	TP-151	TP-152
				Sample ID	TP-142-0-1-011516	TP-143-4-6.5-011416	TP-148-2-2.5-012516	TP-149-6-8-011416	TP-150-4-6-011316	TP-151-2-4-011316	TP-152-2.5-3-012916
				Sample Date	1/15/2016	1/14/2016	1/25/2016	1/14/2016	1/13/2016	1/13/2016	1/29/2016
				Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
				Lab SDG	R1600468	R1600423	R1600634	R1600423	R1600375	R1600375	R1600810
				Start Depth	0	4	2	6	4	2	2.5
				End Depth	1	6.5	2.5	8	6	4	3
Chemical Name	CAS #	NY Part375-Residential SCO[1]	NY Part375-Restricted Residential SCO[1]	CP PCB Guidance[2] Greater 1 ft							
PCBs											
Aroclor 1268	11100-14-4	NC	NC	10	0.041 U	0.057 U	0.040 U	0.046 U	0.044 U	0.038 U	0.042 U
Aroclor-1016	12674-11-2	NC	NC	10	0.041 U	0.057 U	0.040 U	0.046 U	0.044 U	0.038 U	0.042 U
Aroclor-1221	11104-28-2	NC	NC	10	0.082 U	0.120 U	0.081 U	0.094 U	0.090 U	0.077 U	0.085 U
Aroclor-1232	11141-16-5	NC	NC	10	0.041 U	0.057 U	0.040 U	0.046 U	0.044 U	0.038 U	0.042 U
Aroclor-1242	53469-21-9	NC	NC	10	0.041 U	0.057 U	0.040 U	0.046 U	0.044 U	0.038 U	0.042 U
Aroclor-1248	12672-29-6	NC	NC	10	0.041 U	0.057 U	0.040 U	0.046 U	0.044 U	0.038 U	0.042 U
Aroclor-1254	11097-69-1	NC	NC	10	0.041 U	0.057 U	0.040 U	0.046 U	0.044 U	0.038 U	0.042 U
Aroclor-1260	11096-82-5	NC	NC	NC	0.041 U	0.057 U	0.040 U	0.046 U	0.044 U	0.038 U	0.042 U
Aroclor-1262	37324-23-5	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA
Total PCB	NA	1	1	10	ND	ND	ND	ND	ND	ND	ND

Notes:
mg/kg - milligrams per kilogram
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
R - result rejected during validation due to QA/QC excursion
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.
[2] - Criteria from the CP-51, Soil Cleanup Guidance.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.
Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 8E - Subsurface Soil Results Compared to Restricted SCOs
Inorganics
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

				fill						fill	fill	fill		fill		
			Sample Location	OVR-100	OVR-107	OVR-108	OVR-109	OVR-109	OVR-116	OVR-117	OVR-118	SB-100	SB-101	SB-103	SB-104	SB-105
			Sample ID	OVR-100-6-7-04222016	OVR-107-10-11-041216	OVR-108-4.1-5.4-041316	DUP-004-041116	OVR-109-10-11.8-041116	OVR-116-10-11.9-040116	OVR-117-7-7.6-040716	OVR-118-0.5-1-041316	SB-100-9-10-031016	SB-101-12.5-14-031016	SB-103-4.8-5.8-030416	SB-104-12-13-030316	SB-105-11-12-031016
			Sample Date	4/22/2016	4/12/2016	4/13/2016	4/11/2016	4/11/2016	4/1/2016	4/7/2016	4/13/2016	3/10/2016	3/10/2016	3/4/2016	3/3/2016	3/10/2016
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
			Lab SDG	R1603557	R1603190	R1603557	R1603190	R1603190	R1603031	R1603190	R1603557	R1602058	R1602058	R1601955	R1601955	R1602058
			Start Depth	6	10	4.1	10	10	10	7	0.5	9	12.5	4.8	12	11
			End Depth	7	11	5.4	11.8	11.8	11.9	7.6	1	10	14	5.8	13	12
Chemical Name	CAS #	NY Part 375 Residential SCO[1]	NY Part 375 Restricted Residential SCO[1]													
Inorganics																
Aluminum	7429-90-5	NC	NC	8,060 J	8,080	14,900 J	5,630	6,760	6,330	12,900	6,950 J	6,270	6,740	7,650	5,170	13,600
Antimony	7440-36-0	NC	NC	7.8 UJ	7.3 UJ	7.8 UJ	7.6 UJ	7.2 UJ	7.1 U	6.7 UJ	0.614 J	8.9 UJ	7.9 UJ	7.6 UJ	7.3 UJ	10.2 UJ
Arsenic	7440-38-2	16	16	12.2 J	5.8	6.3	7	4.9	4.6	46.6	12 J	12.5	3.8	58.3	3.5	85.4
Barium	7440-39-3	350	400	110	49.8	135	36.1	39.8	43.6	55.7	51.9	138	50.1	130	31.7	87.5
Beryllium	7440-41-7	14	72	0.689	0.374	0.828	0.28 J	0.347 J	0.331 J	0.156 J	0.58	0.665	0.324 J	0.758	0.257 J	0.69
Cadmium	7440-43-9	2.5	4.3	0.442 J	0.29 J	0.686	0.191 J	0.359 J	0.591 U	0.111 J	1.2	0.744 U	0.658 U	0.467 J	0.11 J	0.755 J
Calcium	7440-70-2	NC	NC	15,400 J	4,970	3,290	1350	1,960	1,960	1,280	41,200 J	17,600	35,300	12,700	1,250	25,600
Chromium	7440-47-3	22*	110*	14.5	13.6	20.7	9.7	11.7	9.9	9.8	7	12.8	9.8	21.8	7.5	20.5
Cobalt	7440-48-4	30[CP]	NC	9.4	8.8	10.8	5.6 J	8.9	7.7	2.6 J	32.7	7 J	5.4 J	17.2	5.2 J	24.3
Copper	7440-50-8	270	270	55.9 J	16.7	14.9 J	10.7	14.9	11.7	6.6	88.2 J	50.8	10.1	107	12.3	41.5
Cyanide	57-12-5	27	27	0.12 U	0.04 J	0.13 U	0.02 J	0.1 U	0.11 U	0.083 J	0.11 U	0.13 U	0.08 J	0.22	0.11 U	0.11 J
Iron	7439-89-6	2,000[CP]	NC	23,200	21,200	34,800	16,200	17,800	15,400	13,200	17,600	10,400	18,000	40,200	14,700	91,100
Lead	7439-92-1	400	400	114 J	9.8	13.9 J	6.5	9.2	8.9	36.8	147 J	685	23.5	120 J	7.2 J	8.5 U
Magnesium	7439-95-4	NC	NC	6,850	4,320	4,070	1,990	2,470	2,590	1,030	19,100	7,100	4,080	6,920	1,630	6,450
Manganese	7439-96-5	2,000	2,000	253 J	173	183 J	188	404	150	85.7	358	201	180	244	129	547
Mercury	7439-97-6	0.81	0.81	0.768	0.01 J	0.032 J+	0.007 J	0.014 J	0.013 J	0.131	0.362 J+	1.2	0.073	0.31	0.038 U	0.069
Nickel	7440-02-0	140	310	20.4	18	24.5	14.4	18.4	15.7	1.1 J	54.7	15.9	11.7	25.6	13.6	6.8 U
Potassium	7440-09-7	NC	NC	1,350 J	936	1,060 J	731	801	809	3,350	785 J	754	921	1,190 J	780 J	1,820
Selenium	7782-49-2	36	180	1.4 J	1.2 U	1.3 UJ	1.3 U	1.2 U	1.2 U	1.1 U	0.888 J	5.1	1.3 U	1.4	1.2 U	17 U
Silver	7440-22-4	36	180	0.208 J	1.2 U	1.3 U	1.3 U	1.2 U	1.2 U	1.1 U	0.262 J	2.8	13 U	0.24 J	1.2 U	1.7 U
Sodium	7440-23-5	NC	NC	162	121 U	40.3 J	33.8 J	36.4 J	33.8 J	69.8 J	99 J	219	95.3 J	209	40.2 J	132 J
Thallium	7440-28-0	NC	NC	1.3 U	1.2 U	1.3 U	1.3 U	1.2 U	1.2 U	1.1 U	1.1 U	1.5 U	1.3 U	1.3 U	1.2 U	16.9 U
Vanadium	7440-62-2	100[CP]	NC	21.1	13.3	29.3	10.2	12.3	14.6	13.3	12.7	23.6	11.9	27.4	10.5	27.6
Zinc	7440-66-6	2,200	10,000	125 J	54.2	60.6 J	40.8	47.7	42.9	24.4	366 J	430	52.5	120 J	33.7 J	89.6

Notes:
mg/kg - milligrams per kilogram
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance,
U - Not detected at the detection limit shown
J - Estimated value
* - Hexavalent Chromium values used for conservative comparison. Results are Total Chromium.
Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyzed.
Exceeds Residential Use SCO listed in Part 375 or CP-51
Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 8E - Subsurface Soil Results Compared to Restricted SCOs
Inorganics
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

				fill	fill					fill/bb	fill/bb			fill				
			Sample Location	SB-106	SB-107	SB-108	SB-109	SB-111	SB-112	SB-113	SB-113[BB]	SB-113	SB-114	SB-115	SB-116	SB-117	SB-117	SB-119
			Sample ID	SB-106-5-6-030316	SB-107-6-7-030316	SB-108-5.8-6.4-030316	SB-109-8-9-030216	SB-111-6-7-031016	B-112-0.5-2.0-08221	DUP-002-031416	SB-113-1-2-031416	SB-113-4.5-6.5-031416	SB-114-2-2.5-030216	SB-115-5.6-6.7-030216	SB-116-5.7-6.5-030216	DUP-003-030216	SB-117-5.9-7-030216	SB-119-4.5-6-031116
			Sample Date	3/3/2016	3/3/2016	3/3/2016	3/2/2016	3/10/2016	8/22/2017	3/14/2016	3/14/2016	3/14/2016	3/2/2016	3/2/2016	3/2/2016	3/2/2016	3/2/2016	3/11/2016
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
			Lab SDG	R1601955	R1601955	R1601955	R1601741	R1602058	R1707777	R1602239	R1602239	R1602239	R1601741	R1601741	R1601741	R1601741	R1601741	R1602239
			Start Depth	5	6	5.8	8	6	0.5	4.5	1	4.5	2	5.6	5.7	5.9	5.9	4.5
			End Depth	6	7	6.4	9	7	2	6.5	2	6.5	2.5	6.7	6.5	7	7	6
Chemical Name	CAS #	NY Part 375 Residential SCO[1]	NY Part 375 Restricted Residential SCO[1]															
Inorganics																		
Aluminum	7429-90-5	NC	NC	7,170	6,670	6,880	7,480	2,340	13,400	13,300	17,200	27,600	5,670	4,160	8,420	9,010	8,420	11,600
Antimony	7440-36-0	NC	NC	7.4 UJ	7.2 UJ	7.5 UJ	7.4 UJ	6.6 UN	7.5 U	7.5 UJ	7.3 UJ	10.1 UJ	6.8 UJ	7.4 UJ	8 UJ	8.1 UJ	7.8 UJ	7.1 UJ
Arsenic	7440-38-2	16	16	8.9	3	5.1	8	7.9	11.1	6.9	5.2	46.7	113	8.1	8.6	6.4	4.4	3.1
Barium	7440-39-3	350	400	49.8	48	49.2	50.1	31	168	88.8	117	22.4	60.8	80.5	87	60.4	62	65
Beryllium	7440-41-7	14	72	0.356 J	0.25 J	0.326 J	0.405	0.139 J	0.673	0.603	0.617	1.2	0.296 J	0.135 J	0.268 J	0.47	0.429	0.536
Cadmium	7440-43-9	2.5	4.3	0.27 J	0.072 J	0.188 J	0.27 J	0.554 U	0.623 U	0.201 U	0.605 U	1.1	0.513 J	0.135 J	0.161 J	0.228 J	0.182 J	0.595 U
Calcium	7440-70-2	NC	NC	56,300	2520	14,600	7410	25,700	2,800	17,400 J	6,020 J	18,500 J	3,750	18,300	1,890	4,130	3,950	2,470 J
Chromium	7440-47-3	22*	110*	14.3	9.6	8.8	11.6	4.6	16.7	18.5	22	58.8	13.4	7	12.6	11.6	10.6	16.6
Cobalt	7440-48-4	30[CP]	NC	4 J	3.5 J	5.8 J	8.5	2.5 J	11.1	9.3	10	12.8	5.1 J	2.5 J	4.8 J	5.1 J	4.9 J	8.7
Copper	7440-50-8	270	270	25.8	12.1	13.1	20.9	4.8	19.1	11.4	13.1	30	30.6	20.2	12.5	10.7	9.5	17.1
Cyanide	57-12-5	27	27	0.19	0.04 J	0.08 J	0.03 J	0.097 U	0.06 J	0.05 J	0.05 J	0.71	0.067 J	0.42	0.22	0.07 J	0.06 J	0.04 J
Iron	7439-89-6	2,000[CP]	NC	14,000	13,500	16,200	19,900	8,210	29700	24,400	28,600	33,300	29,000	9,670	19,400	14,500	14,200	22,000
Lead	7439-92-1	400	400	31.3 J	9.5 J	29.9 J	52.7	55 U	54.9	10.4	9.8	17.2	18.6	47.9	16.5	13.2	12.1	10.2
Magnesium	7439-95-4	NC	NC	13,300	1,740	7,560	4,880	8,680	4,030	5,560	5,150 J	25,100 J	2,500	2,450	2,650	3,230	3,040	4,090 J
Manganese	7439-96-5	2,000	2,000	291	82.6	222	412	163	605	333 J	272 J	2,680 N	70.2	116	144	179	246	218 N
Mercury	7439-97-6	0.81	0.81	2.4	0.014 J	0.495	0.039	0.004 J	0.046	0.01 J	0.021 J	0.006 J	0.042	0.67	0.035 J	0.06	0.105	0.015 J
Nickel	7440-02-0	140	310	9.4	8.3	10.8	20.2	44 U	24.1	19	22.1	29.2	11.9	6	12.3	13.7	12.6	25.1
Potassium	7440-09-7	NC	NC	1,080 J	1,030 J	822 J	742	497	1,450	1,790	1,700	2,970	804	729	1,050	1,190	952	1,020
Selenium	7782-49-2	36	180	1.2 U	1.2 U	1.3 U	1.2 U	1.1 U	1.1 J	1.3 U	1.2 U	1.7 U	0.533 J	1.2 U	0.434 J	1.3 U	1.3 U	1.2 U
Silver	7440-22-4	36	180	0.172 J	0.06 J	0.088 J	0.111 J	0.629 J	1.3 U	0.101 J	0.073 J	0.185 J	0.091 J	0.086 J	0.094 J	0.067 J	1.3 U	0.071 J
Sodium	7440-23-5	NC	NC	213	58.4 J	52.5 J	38.2 J	113	226	105 J	85.3 J	548	65.3 J	56.8 J	50.5 J	56.3 J	52.9 J	43.2 J
Thallium	7440-28-0	NC	NC	0.859 J	1.2 U	1.3 U	1.2 U	1.1 U	1.3 U	1.3 U	1.2 U	1.7 U	1.1 U	1.2 U	1.3 U	1.3 U	1.3 U	1.2 U
Vanadium	7440-62-2	100[CP]	NC	20.3	14.6	13.7	14.1	8	22.5	26.5	29.8	54.9	18.6	10.5	18.5	14.5	13.3	16.2
Zinc	7440-66-6	2,200	10,000	61.2 J	39.3 J	70.5 J	66.1	18.5	88.2	45.7	48.4	135	59.8	84.6	37.1	49.5	44.2	68.3

Notes:
mg/kg - milligrams per kilogram
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance,
U - Not detected at the detection limit shown
J - Estimated value
* - Hexavalent Chromium values used for conservative comparison. Results are Total Chr
Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analy

(green shading)	Exceeds Residential Use SCO listed in Part 375 or CP-51
(orange shading)	Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 8E - Subsurface Soil Results Compared to Restricted SCOs
Inorganics
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

			Sample Location	SB-121	SB-122	SB-123	SB-125	SB-126	SB-127	SB-129	SB-131	SB-132	SB-133	SB-134	SB-135	SB-136	SB-137
			Sample ID	SB-121-2-2.5-031416	SB-122-7-8-022916	SB-123-6-7-031416	SB-125-5-7-031416	SB-126-1.5-2-031516	SB-127-10-11-031116	SB-129-4.6-6.6-031516	SB-131-8-10-031116	SB-132-4.5-5-041516	SB-133-4.5-5-041416	SB-134-10-11-031516	SB-135-8-9-041516	SB-136-5-7-031116	SB-137-6-8-031116
			Sample Date	3/14/2016	2/29/2016	3/14/2016	3/14/2016	3/15/2016	3/11/2016	3/15/2016	3/11/2016	4/15/2016	4/14/2016	3/15/2016	4/15/2016	3/11/2016	3/11/2016
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
			Lab SDG	R1602239	R1601741	R1602239	R1602239	R1602333	R1602239	R1602333	R1602239	R1603557	R1603557	R1602333	R1603557	R1602239	R1602239
			Start Depth	2	7	6	5	1.5	10	4.6	8	4.5	4.5	10	8	5	6
			End Depth	2.5	8	7	7	2	11	6.6	10	5	5	11	9	7	8
Chemical Name	CAS #	NY Part 375 Residential SCO[1]	NY Part 375 Restricted Residential SCO[1]														
Inorganics																	
Aluminum	7429-90-5	NC	NC	5,530	8,920	5,590	10,300	5,740	5,620	10,500	7,400	9,050 J	7,360 J	6,510	4,990 J	12,000	9,220
Antimony	7440-36-0	NC	NC	7.1 UJ	7.1 UJ	7.1 UJ	7.4 UJ	7.3 UJ	8 UJ	7.4 UJ	7.2 UJ	0.28 J	2 J	7.3 UJ	2.4 J	7.1 UJ	7.4 UJ
Arsenic	7440-38-2	16	16	19.7	9.3	3.1	8.5	11.8	3.7	4.9	6.6	7.8 J	377 J	5.5	135 J	6.3	6.4
Barium	7440-39-3	350	400	67.4	50.6	48.7	80.9	79.7	25.1	82.5	42.5	62.5	174	37.5	159	98.9	49.4
Beryllium	7440-41-7	14	72	0.662	0.473	0.273 J	0.556	0.402	0.268 J	0.594	0.381	0.462	0.437 J	0.337 J	0.422	0.627	0.456
Cadmium	7440-43-9	2.5	4.3	0.591 U	0.249 J	0.593 U	0.617 U	0.608 U	0.67 U	0.62 U	0.596 U	0.341 J	0.918	0.611 U	0.49 J	0.591 U	0.616 U
Calcium	7440-70-2	NC	NC	8,480 J	1,560	1,450	1,740 J	37,000 J	5,230 J	9,570 J	3,640 J	7,250 J	20,700 J	1,440 J	22,500 J	2,260 J	2,920 J
Chromium	7440-47-3	22*	110*	11	13.2	9.2	15.2	12.1	8.6	15.3	13.9	12.3	21.8	10	13.5	17.6	13.8
Cobalt	7440-48-4	30[CP]	NC	9.1	8.3	5.7 J	9.4	4.8 J	6 J	9.8	10.5	8.8	12.8	6.9	5.1 J	10.3	9.6
Copper	7440-50-8	270	270	43.3	15.6	10	16.3	31.6	11.8	14.9	16.2	14.3 J	11,300 J	17	161 J	16.6	17.5
Cyanide	57-12-5	27	27	0.08 J	0.03 J	0.03 J	0.05 J	0.04 J	0.03 J	0.04 J	0.03 J	0.12 U	0.23	0.02 J	0.11 U	0.05 J	0.05 J
Iron	7439-89-6	2,000[CP]	NC	51,500	23,900	15,200	26,500	15,700	14,600	18,100	23,800	20,200	42,800	16,800	19,000	29,700	22,800
Lead	7439-92-1	400	400	82.2	10.6	7.5	12.1	127	6.8	29.7	9.6	14.1 J	376 J	8.6	1,080 J	11.6	11
Magnesium	7439-95-4	NC	NC	3,670 J	2,970	2,070	3,320	17,200	4,180 J	3,930	3,270 J	2,900	6,100	2,350	5,680	3,700 J	3,530 J
Manganese	7439-96-5	2,000	2,000	274 N	255	136	188 J	246 J	112 N	236 J	581 N	410 J	545 J	237 J	301 J	317 N	424 N
Mercury	7439-97-6	0.81	0.81	0.14	0.017 J	0.005 J	0.021 J	0.537	0.045 U	0.016 J	0.012 J	0.019 J	2.6 J+	0.01 J	1.8	0.019 J	0.012 J
Nickel	7440-02-0	140	310	19.5	20.9	15	21.8	12.2	14.4	20.1	22	17.9	17.5 U	16.6	10.2	25.1	23.6
Potassium	7440-09-7	NC	NC	759	912	752	973	831	813	1,290	834	813 J	923 J	753	625 J	858	909
Selenium	7782-49-2	36	180	1.2 J	1.2 U	1.2 U	1.2 U	1.2 U	1.3 U	1.2 U	1.2 U	1.2 UJ	2.2 J	1.2 U	5.7	1.2 U	1.2 U
Silver	7440-22-4	36	180	0.224 J	0.083 J	1.2 U	1.2 U	1.2 U	1.3 U	1.2 U	1.2 U	1.2 U	0.612 J	1.2 U	0.436 J	0.083 J	1.2 U
Sodium	7440-23-5	NC	NC	115 J	35 J	48.6 J	46.7 J	110 J	39.6 J	93.9 J	36.6 J	53.1 J	120 J	54.2 J	169	52.2 J	60 J
Thallium	7440-28-0	NC	NC	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.3 U	1.2 U	1.2 U	1.2 U	1.5 U	1.2 U	1.4 U	1.2 U	1.2 U
Vanadium	7440-62-2	100[CP]	NC	15.6	16.7	11.7	18.3	15.2	10.7	20.2	13.7	16.1	19.4	13.6	18.6	19.4	15.1
Zinc	7440-66-6	2,200	10,000	69.8	47.8	37.7	57.5	181	39.7	88	48.5	64.5 J	226 J	47.7	203 J	64.3	58.7

Notes:
mg/kg - milligrams per kilogram
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance,
U - Not detected at the detection limit shown
J - Estimated value
* - Hexavalent Chromium values used for conservative comparison. Results are Total Chrc
Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analy:
Exceeds Residential Use SCO listed in Part 375 or CP-51
Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 8E - Subsurface Soil Results Compared to Restricted SCOs
Inorganics
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

				fill			fill/bb						fill/bb	fill/bb	fill		
			Sample Location	SB-138	SB-141	SB-142	SB-143[BB]	SB-144	SB-145	SB-146	SB-147	SB-148	SB-149	SB-149[BB]	SB-150	SB-151	SB-152
			Sample ID	SB-138-4-4.8-030116	SB-141-7-8-030116	SB-142-11-12-030116	SB-143-3-4-030116	SB-144-1-1.8-030116	SB-145-25.4-26.1-030916	SB-146-6-8-030216	SB-147-10-11.4-042216	SB-148-8-9.2-040716	SB-149-10-11-040616	SB-149-4-5-040616	SB-150-3-4-022916	SB-151-16.6-17.2-030316	SB-152-6-7-030316
			Sample Date	3/1/2016	3/1/2016	3/1/2016	3/1/2016	3/1/2016	3/9/2016	3/2/2016	4/22/2016	4/7/2016	4/6/2016	4/6/2016	2/29/2016	3/3/2016	3/3/2016
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
			Lab SDG	R1601741	R1601741	R1601741	R1601741	R1601741	R1602058	R1601741	R1603557	R1603190	R1603190	R1603190	R1601741	R1601955	R1601955
			Start Depth	4	7	11	3	1	25.4	6	10	8	10	4	3	16.6	6
			End Depth	4.8	8	12	4	1.8	26.1	8	11	9.2	11	5	4	17.2	7
Chemical Name	CAS #	NY Part 375 Residential SCO[1]	NY Part 375 Restricted Residential SCO[1]														
Inorganics																	
Aluminum	7429-90-5	NC	NC	4,370	7,440	8,660	25,600	7,430	3,350	8,100	5,170 J	5,640	8,150	22,600	5,270	2,610	6,590
Antimony	7440-36-0	NC	NC	8 UJ	8.1 UJ	7.4 UJ	8 UJ	7.1 UJ	7.2 UJ	7.3 UJ	8 UJ	7.4 UJ	7.2 UJ	10 UJ	7.4 UJ	6.7 UJ	8 UJ
Arsenic	7440-38-2	16	16	4.8	4.5	5	26.7	5.1	8.1	7	7.2 J	5	8.9	32.1	15	3	40.2
Barium	7440-39-3	350	400	28.4	61.2	58.9	59.3	52.1	13.3	42.5	17.8	37.8	46.2	34.2	155	22.5	151
Beryllium	7440-41-7	14	72	0.24 J	0.338 J	0.383	1.4	0.389	0.218 J	0.471	0.254 J	0.335 J	0.408	0.837	0.447	0.1 J	0.398
Cadmium	7440-43-9	2.5	4.3	0.507 J	0.189 J	0.222 J	1.4	0.224 J	0.601 U	0.193 J	0.267 J	0.186 J	0.18 J	1.2	0.484 J	0.045 J	0.199 J
Calcium	7440-70-2	NC	NC	97,700	28,100	1,640	59,300	3,730	18,500	1,910	1,030 J	1190	1,320	49,700	12,300	56,200	11,500
Chromium	7440-47-3	22*	110*	6.6	10.1	12.5	70.2	129	5	12.4	8.6	10.2	17.4	54.7	23.2	3.8	11.8
Cobalt	7440-48-4	30[CP]	NC	4.3 J	4.7 J	17.7	4.7 J	6.4	4.7 J	6.6	8.2	6.1 J	5.5 J	2.7 J	5.3 J	2.3 J	5 J
Copper	7440-50-8	270	270	11.6	11.9	10.7	7.8	22.1	6	8.7	9.5 J	12.7	16.2	9.8	49.4	6.6	20.7
Cyanide	57-12-5	27	27	0.02 J	0.08 J	0.02 J	0.27	0.05 J	0.12 U	0.03 J	0.11 U	0.07 J	0.1 J	0.33	0.042 J	0.03 J	0.15
Iron	7439-89-6	2,000[CP]	NC	13,200	14,400	23,400	16,800	16,300	9,640	23,600	12,100	17,000	22,100	14,700	22,000	7,060	28,800
Lead	7439-92-1	400	400	20.9	9	8.7	16.3	59	6	10.7	7.6 J	9.6	5.9 J	17.1	484	4.5 J	42.7 J
Magnesium	7439-95-4	NC	NC	48,800	7,760	2,580	25,300	2,490	12,300	2,720	2,090	1,970	2,570	28,500	5,160	17,800	3,610
Manganese	7439-96-5	2,000	2,000	689	390	834	365	228	151	390	86.8 J	89.5	248	126	221	285	330
Mercury	7439-97-6	0.81	0.81	0.023 J	0.028 J	0.012 J	0.017 J	2.6	0.008 J	0.011 J	0.044 U	0.006 J	0.035 J	0.018 J	0.791	0.037 U	0.141
Nickel	7440-02-0	140	310	8.2	11.8	19.8	14.5	12.8	9.2	18.1	16.8	15.5	18	12.7	13.1	3.4 J	14.9
Potassium	7440-09-7	NC	NC	766	1170	953	3,090	936	629	919	853 J	671	592	2,920	1,030	579 J	528 J
Selenium	7782-49-2	36	180	0.723 J	1.4 U	0.49 J	0.391 J	1.2 U	1.2 U	1.2 U	1.3 UJ	1.2 U	1.2 U	1.1 J	0.358 J	0.759 J	1.3 U
Silver	7440-22-4	36	180	0.24 J	0.068 J	0.062 J	0.24 J	0.118 J	12 U	1.2 U	1.3 U	1.2 U	1.2 U	1.7 U	0.186 J	0.1 J	0.146 J
Sodium	7440-23-5	NC	NC	193	90.1 J	26 J	638	40.7 J	56 J	36.5 J	51 J	34.3 J	39.4 J	770	98.9 J	152	101 J
Thallium	7440-28-0	NC	NC	13.3 U	1.4 U	12.4 U	1.3 U	1.2 U	1.2 U	1.2 U	1.3 U	1.2 U	1.2 U	1.7 U	1.2 U	0.848 J	1.3 U
Vanadium	7440-62-2	100[CP]	NC	11.3	15.8	15.1	61.3	16.8	9.1	16.9	11	12.4	20	53.2	29.7	8.6	17.2
Zinc	7440-66-6	2,200	10,000	112	41.7	51.3	58.1	69	30.1	48.8	40.3 J	42.8	47	48.9	650	16.2 J	141 J

Notes:
mg/kg - milligrams per kilogram
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance,
U - Not detected at the detection limit shown
J - Estimated value
* - Hexavalent Chromium values used for conservative comparison. Results are Total Chrc
Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analy:
Exceeds Residential Use SCO listed in Part 375 or CP-51
Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 8E - Subsurface Soil Results Compared to Restricted SCOs
Inorganics
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

									fill							
			Sample Location	SB-154	SB-156	SB-157	SB-158	SB-159	SB-160	SB-161	SB-162	SB-163	SB-164	SB-165	SB-166	SB-168
			Sample ID	SB-154-15-17-030316	SB-156-16-17-030916	SB-157-20.5-21.5-030916	SB-158-16-17.5-030816	SB-159-17-18-030916	SB-160-4-5-030916	SB-161-24-26-030816	SB-162-19-20-030816	SB-163-13.5-16-030816	SB-164-4-5.9-030716	SB-165-22-23-030716	SB-166-13-15-030816	SB-168-16-17-030816
			Sample Date	3/3/2016	3/9/2016	3/9/2016	3/8/2016	3/9/2016	3/9/2016	3/8/2016	3/8/2016	3/8/2016	3/7/2016	3/7/2016	3/8/2016	3/8/2016
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
			Lab SDG	R1601955	R1602058	R1602058	R1602058	R1602058	R1602058	R1602058	R1602058	R1602058	R1601955	R1601955	R1602058	R1602058
			Start Depth	15	16	20.5	16	17	4	24	19	13.5	4	22	13	16
			End Depth	17	17	21.5	17.5	18	5	26	20	16	5.9	23	15	17
Chemical Name	CAS #	NY Part 375 Residential SCO[1]	NY Part 375 Restricted Residential SCO[1]													
Inorganics																
Aluminum	7429-90-5	NC	NC	7,280	2,370	7,460	3,580	15,400	3,340	1,880	5,170	6,890	3,940	5,220	10,800	6,310
Antimony	7440-36-0	NC	NC	7.8 UJ	6.4 UJ	7.4 UJ	6.6 UJ	8 UJ	6.9 UJ	6.8 UJ	7.6 UJ	7.1 UJ	6.7 UJ	7.4 UJ	7.5 UJ	7.5 UJ
Arsenic	7440-38-2	16	16	6.8	1.7	5.5	2.7	2.2	3.1	0.857 J	15.4	5	2.2	6.3	9	7.6
Barium	7440-39-3	350	400	45.7	14.5	53.7	11.2	145	19	11.9	18.9	41.3	25.3	20.4	67.4	32.3
Beryllium	7440-41-7	14	72	0.404	0.157 J	0.397	0.192 J	0.824	0.188 J	0.107 J	0.298 J	0.372	0.157 J	0.248 J	0.576	0.368 J
Cadmium	7440-43-9	2.5	4.3	0.13 J	0.536 U	0.619 U	0.549 U	0.662 U	0.572 U	0.564 U	0.631 U	0.592 U	0.067 J	0.136 J	0.622 U	0.623 U
Calcium	7440-70-2	NC	NC	1,290	79,600	2,790	74,700	74,600	17,400	38,300	4,310	1,540	21,400	18,100	1,670	1,370
Chromium	7440-47-3	22*	110*	9.4	5.3	10.7	5.9	25.9	5.2	3.8	8.3	10.3	5	7.1	17.2	10.3
Cobalt	7440-48-4	30[CP]	NC	7.5	2.2 J	7.9	4.9 J	12.2	3.2 J	1.8 J	7.7	6.6	3.2 J	6 J	10.3	11.1
Copper	7440-50-8	270	270	12.8	6	9.3	7.8	20.4	7.2	5.3	9.1	13.3	7.6	10.2	24.6	15.8
Cyanide	57-12-5	27	27	0.03 J	0.093 U	0.03 J	0.1 U	0.13 U	0.04 J	0.098 U	0.03 J	0.11 U	0.11 U	0.12 U	0.02 J	0.02 J
Iron	7439-89-6	2,000[CP]	NC	20,000	9,770	20,700	10,800	29,600	9,670	7,160	17,700	17,700	4,840	12,200	29,700	19,800
Lead	7439-92-1	400	400	10.4 J	5.4 U	9.7	5.5 U	9.2	57 U	56 U	9.4	8	2.9 J	6.7 J	13.3	10.1
Magnesium	7439-95-4	NC	NC	2,150	21,300	3,670	26,100	15,700	5,480	12,200	4,310	2,640	5,510	11,200	4,180	2,340
Manganese	7439-96-5	2,000	2,000	251	339	311	401	762	250	424	210	333	255	122	593	996
Mercury	7439-97-6	0.81	0.81	0.005 J	0.036 U	0.011 J	0.008 J	0.022 J	0.013 J	0.036 U	0.008 J	0.012 J	0.037 U	0.04 U	0.01 J	0.011 J
Nickel	7440-02-0	140	310	16.8	4.3 U	16.7	4.4 U	26.2	6.1	45 U	16.1	18.3	5.6	12.6	27.4	19.2
Potassium	7440-09-7	NC	NC	741 J	727	687	588	3,690	577	432	881	833	696 J	872 J	997	851
Selenium	7782-49-2	36	180	1.3 U	1.1 U	1.2 U	1.1 U	13 U	1.1 U	1.1 U	1.3 U	12 U	1.1 U	1.2 U	12 U	12 U
Silver	7440-22-4	36	180	1.3 U	1.1 U	12 U	1.1 U	13 U	11 U	1.1 U	1.3 U	12 U	1.1 U	0.074 J	12 U	12 U
Sodium	7440-23-5	NC	NC	31.4 J	124	30.9 J	96.9 J	279	56.1 J	92.3 J	39 J	30.8 J	108 J	49.5 J	30 J	27 J
Thallium	7440-28-0	NC	NC	1.3 U	1.1 U	1.2 U	1.1 U	13.2 U	1.1 U	11.3 U	1.3 U	1.2 U	1.1 U	1.2 U	12.4 U	12.5 U
Vanadium	7440-62-2	100[CP]	NC	13.4	10.3	13.6	8.7	31	10	7.8	11.3	12.3	9.7	10.8	18.5	12.4
Zinc	7440-66-6	2,200	10,000	45 J	40.2	42.5	59.5	55	20	13.2	45.5	47.7	23.9 J	48.7 J	72.3	48.4

Notes:
mg/kg - milligrams per kilogram
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance,
U - Not detected at the detection limit shown
J - Estimated value
* - Hexavalent Chromium values used for conservative comparison. Results are Total Chro
Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analy:

(green)	Exceeds Residential Use SCO listed in Part 375 or CP-51
(orange)	Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 8E - Subsurface Soil Results Compared to Restricted SCOs
Inorganics
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

Chemical Name	CAS #	NY Part 375 Residential SCO[1]	NY Part 375 Restricted Residential SCO[1]	SB-169	SB-170	SB-171	SB-172	SB-173	SB-174	SB-175	SB-176	SB-177	SB-178	SB-179	SB-180	fill SB-TP-131	fill/bb SB-TP-139[BB]
Sample ID				SB-169-16-17-030716	SB-170-16-16.8-022916	SB-171-15-16-022916	SB-172-8.8-9.6-082217	SB-173-12-15-082117	SB-174-12.5-15-082117	SB-175-21-21.4-030716	SB-176-6-7-041216	SB-177-5.5-6.5-031416	SB-178-1.5-2-031416	SB-179-6.2-7-030416	SB-180-14-14.7-030416	SB-TP-131-5-7-031516	DUP-001-030716
Sample Date				3/7/2016	2/29/2016	2/29/2016	8/22/2017	8/21/2017	8/21/2017	3/7/2016	4/12/2016	3/14/2016	3/14/2016	3/4/2016	3/4/2016	3/15/2016	3/7/2016
Unit				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Lab SDG				R1601955	R1601741	R1601741	R1707777	R1707777	R1707777	R1601955	R1603190	R1602239	R1602239	R1601955	R1601955	R1602333	R1601955
Start Depth				16	16	15	8.8	12	12.5	21	6	5.5	1.5	6.2	14	5	12
End Depth				17	16.8	16	9.6	15	15	21.4	7	6.5	2	7	14.7	7	14
Inorganics																	
Aluminum	7429-90-5	NC	NC	7,690	6,880	12,800	4,330	8,650	12,100	1,100	5,150	7,970	8,920	7,300	8,090	5,680	4,700
Antimony	7440-36-0	NC	NC	7.2 UJ	7.6 UJ	7.3 UJ	6.6 U	7.4 U	7.8 U	6.5 UJ	7.2 UJ	7.2 UJ	6.9 UJ	7.7 UJ	7.2 UJ	7.9 UJ	7.2 UJ
Arsenic	7440-38-2	16	16	6.9	5	9	2.7	8.1	9.2	1.9	3	5	4.2	6	6.2	12	3.1
Barium	7440-39-3	350	400	44.8	35.8	74.6	23.8	69.7	98.6	7.6	103	58.6	78.1	53.3	42.3	102	25.7
Beryllium	7440-41-7	14	72	0.445	0.365 J	0.666	0.186 J	0.397	0.622	0.022 J	0.302 J	0.408	0.438	0.395	0.385	0.677	0.192 J
Cadmium	7440-43-9	2.5	4.3	0.168 J	0.239 J	0.363 J	0.885	0.62 U	0.648 U	0.119 J	0.157 J	0.599 U	0.577 U	0.242 J	0.084 J	0.655 U	0.048 J
Calcium	7440-70-2	NC	NC	710	1,330	1200	70,800	1,990	2,930	176,000	12,600	5,550 J	43,400 J	3,640	1170	9,410 J	
Chromium	7440-47-3	22*	110*	10.9	11	17.4	6.2	12.4	16.3	1.1 U	16.6	11.8	11.8	10.1	11.3	12.4	6.3
Cobalt	7440-48-4	30[CP]	NC	7.2	7.5	11.7	2.7 J	10.6	9.5	1.4 J	5 J	8.2	5.6 J	7.3	6.6	5.9 J	3.3 J
Copper	7440-50-8	270	270	19.8	13.1	23.3	10.5	16.7	18.9	3.9	6	14	16.8	17.2	15.8	34.2	8.8
Cyanide	57-12-5	27	27	0.02 J	0.02 J	0.03 J	0.098 U	0.03 J	0.05 J	0.11 U	0.06 J	0.04 J	0.02 J	0.06 J	0.11 U	0.25	0.12 U
Iron	7439-89-6	2,000[CP]	NC	20,400	16,300	29,300	9,770	22,300	27,300	4,120	25,700	20,600	16,700	17,200	19,400	15,200	9,460
Lead	7439-92-1	400	400	10.8 J	9.3	12.7	9.8	9.9	12	7.5 J	10.1	12.5	13	23.9 J	6.8 J	87.2	4.9 J
Magnesium	7439-95-4	NC	NC	2,300	2,450	4,200	39,900	3,080	4,100	100,000	2,540	2,910 J	20,500 J	2,670	2,820	3,940	8,070
Manganese	7439-96-5	2,000	2,000	191	161	528	155	1,030	432	323	132	532 N	779 N	148	292	104 J	281
Mercury	7439-97-6	0.81	0.81	0.005 J	0.013 J	0.011 J	0.181	0.039 U	0.036 J	0.036 U	0.032 J	0.025 J	0.043	0.054	0.009 J	1.6	0.038 U
Nickel	7440-02-0	140	310	18.1	17.9	27.7	8.6	23.7	25.7	4.3 UE	7.4	18.3	12.4	15.8	17.6	12.1	5.7
Potassium	7440-09-7	NC	NC	883 J	902	908	749	817	1,320	442 J	686	859	1490	1,140 J	848 J	715	870 J
Selenium	7782-49-2	36	180	1.2 U	1.3 U	1.2 U	1.1 U	0.881 J	0.777 J	2.9	0.749 J	1.2 U	0.854 J	1.3 U	1.2 U	1.3 U	0.768 J
Silver	7440-22-4	36	180	0.06 J	1.3 U	0.085 J	1.1 U	1.2 U	1.3 U	0.314 J	1.2 U	0.096 J	0.081 J	0.077 J	0.06 J	1.3 U	0.084 J
Sodium	7440-23-5	NC	NC	36.4 J	47.4 J	62.2 J	164	108 J	189	208	54.2 J	49.4 J	88.9 J	54.1 J	44.4 J	159	147
Thallium	7440-28-0	NC	NC	1.2 U	1.3 U	12.1 U	1.5	1.2 U	1.3 U	4.4	1.2 U	1.2 U	1.2 U	1.3 U	1.2 U	1.3 U	1.2 U
Vanadium	7440-62-2	100[CP]	NC	15.6	14	20.4	8.2	16.5	20.7	3.6 J	8.8	14.7	16.4	14.8	13.1	19.4	11.4
Zinc	7440-66-6	2,200	10,000	43 J	44.5	64.6	327	58.2	66.5 E	12.7 J	41.5	69	66.1	62.8 J	45.6 J	90.7	26.8 J

Notes:
mg/kg - milligrams per kilogram
CP - Residential criteria obtained from CP-51: Soil Cleanup Guidance,
U - Not detected at the detection limit shown
J - Estimated value
* - Hexavalent Chromium values used for conservative comparison. Results are Total Chr
Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
BB = Sample location(s) where "bone black" or "activated carbon" type material was analy
Exceeds Residential Use SCO listed in Part 375 or CP-51
Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 8E - Subsurface Soil Results Compared to Restricted SCOs
Inorganics
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

						fill	fill			fill		fill	fill	fill	fill		fill
			Sample Location	SB-TP-139[BB]	SB-TP-147	TP-100	TP-102	TP-103	TP-103	TP-104	TP-105	TP-106	TP-107	TP-108	TP-110	TP-111	TP-112
			Sample ID	SB-TP-139-12-14-030716	SB-TP-147-16-18-031016	TP-100-2-4-012116	TP-102-1-3-012216	DUP-008-012116	TP-103-0-2-012116	TP-104-0-2-012216	TP-105-4.5-6.5-012216	TP-106-1.5-4-012216	TP-107-0-2-012216	TP-108-0-1.5-012516	TP-110-1.5-2-012516	B-TP-111-0-0.6-08211	TP-112-3.5-4-012516
			Sample Date	3/7/2016	3/10/2016	1/21/2016	1/22/2016	1/21/2016	1/21/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/25/2016	1/25/2016	8/21/2017	1/25/2016
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
			Lab SDG	R1601955	R1602058	R1600468	R1600468	R1600468	R1600468	R1600468	R1600468	R1600468	R1600468	R1600634	R1600634	R1707777	R1600634
			Start Depth	12	16	2	1	0	0	0	4.5	1.5	0	0	1.5	0	3.5
			End Depth	14	18	4	3	2	2	2	6.5	4	2	1.5	2	0.6	4
Chemical Name	CAS #	NY Part 375 Residential SCO[1]	NY Part 375 Restricted Residential SCO[1]														
Inorganics																	
Aluminum	7429-90-5	NC	NC	5,320	3,090	21,200	25,100	4,140	3,150	5,230	14,600	21,900	5,930	4,040	8,290	3,840	7,580
Antimony	7440-36-0	NC	NC	7.2 UJ	6.7 UJ	0.27 J	0.921 J	6.6 U	0.409 J	1 J	8.1 U	7.5 U	0.406 J	9.4	8.6 U	6.3 U	7.5 U
Arsenic	7440-38-2	16	16	2.7	6	33.4	41.2	5.1	3.6	9.3	97.2	94.5	11.8	20.1	8.2	3.6	15.5
Barium	7440-39-3	350	400	31.5	20.9	73.8	50.6	28.8	25.5	129	230	57.3	106	96.3	79.3	29.4	54
Beryllium	7440-41-7	14	72	0.215 J	0.16 J	1.4	1.2	0.33 U	0.33 U	0.508	2.9	1.8	0.436	0.745	0.507	0.2 J	0.537
Cadmium	7440-43-9	2.5	4.3	0.083 J	0.556 U	0.674 U	0.191 J	0.552 U	0.552 U	0.611 U	2	0.106 J	0.198 J	0.633 U	0.713 U	0.527 U	0.628 U
Calcium	7440-70-2	NC	NC	31,000	72,900	14,700	24,300	86,800	33,900	30,100	8,350	6,180	68,200	15,300	8,910	98,500	13,600
Chromium	7440-47-3	22*	110*	7.3	7.3	57.6	65.4	6.8	5	10.8	36.6	78.6	16.2	13.3 J	15.6 J	6.6	16.9 J
Cobalt	7440-48-4	30[CP]	NC	4 J	5 J	6.5 J	4.3 J	3.1 J	2.5 J	4.9 J	64.1	8	6 J	8.7	6.7 J	2.8 J	4.7 J
Copper	7440-50-8	270	270	9.2	7.1	32.5	13.3	56.1	58.3	45.5	178	46.5	59.6	102	29.2	19.4	14.7
Cyanide	57-12-5	27	27	0.06 J	0.1 U	0.36	0.38	0.32	0.11 U	0.56	0.3	0.39	0.12 U	0.33	0.26	0.018 J	0.08 J
Iron	7439-89-6	2,000[CP]	NC	11,700	12,300	20,600	19,600	12,800	9,460	13,200	99,900	57,800	17,400	44,200	21,900	11,000	14,600
Lead	7439-92-1	400	400	4 J	54 U	53.4	24.6	52.8	60.8	268	159	14.5	308	234	78.6	55.7	18.6
Magnesium	7439-95-4	NC	NC	7,940	32,100	22,100	29,900	23,900	9,190	10,900	3,670	19,500	23,800	7,730	4,630	46,600	9,740
Manganese	7439-96-5	2,000	2,000	285	468	227	131	305	232	410	1,630	109	319	405	477	316	235
Mercury	7439-97-6	0.81	0.81	0.038 U	0.035 U	0.149	0.027 J	0.158	0.179	0.114	0.263	0.006 J	0.328	0.189	0.139	0.133	0.076
Nickel	7440-02-0	140	310	7.4	7.9	17.1	20.8	7.6	5.7	11.1	75.8	18.3	15.6	20.2	15	6.7	11.8
Potassium	7440-09-7	NC	NC	1,060 J	943	3,460 J	3,630 J	805 J	596 J	1,000 J	1710 J	2,700 J	1,120 J	675 J	1,300 J	1,050	1,260 J
Selenium	7782-49-2	36	180	1.2 U	11 U	1.4 U	1.4 U	1.1 U	1.1 U	1.2 U	3.5	1.5	1.3 U	1.7	1.6	1.1 U	1.3 U
Silver	7440-22-4	36	180	0.072 J	11 U	1.3 U	1.4 U	1.1 U	1.1 U	1.2 U	1.4 U	1.3 U	0.322 J	1.3 U	1.4 U	0.168 J	1.3 U
Sodium	7440-23-5	NC	NC	142	125	575	733	115	59.7 J	153	174	496	153	102 J	82.4 J	145	216
Thallium	7440-28-0	NC	NC	1.2 U	1.1 U	1.4 U	1.4 U	1.1 U	1.1 U	1.2 U	4.1 U	0.541 J	1.3 U	1.3 U	1.4 U	2	1.3 U
Vanadium	7440-62-2	100[CP]	NC	13.8	13.8	50.4	60.5	11.9	9.3	20.4	17.3	65.1	17.3	16.4	19.9	11.6	19.8
Zinc	7440-66-6	2,200	10,000	28.3 J	46.4	96.8	68.1	135	103	257	364	91.3	1780	104	187	87.8	108

Notes:
mg/kg - milligrams per kilogram
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance,
U - Not detected at the detection limit shown
J - Estimated value
* - Hexavalent Chromium values used for conservative comparison. Results are Total Chro
Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyz

	Exceeds Residential Use SCO listed in Part 375 or CP-51
	Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 8E - Subsurface Soil Results Compared to Restricted SCOs
Inorganics
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

						fill		fill	fill	fill		fill			fill	fill		
			Sample Location	TP-113	TP-114	TP-115	TP-116	TP-118	TP-120	TP-120	TP-123	TP-125	TP-126	TP-127	TP-130	TP-132	TP-133	TP-134
			Sample ID	TP-113-1.5-2-012516	TP-114-4-5-012616	TP-115-4-5-012616	TP-116-7-8-011516	TP-118-3.5-4-011516	DUP-009-012616	TP-120-4-4.5-012616	TP-123-4.5-5-012616	TP-125-3-4-012716	TP-126-2-3-012716	TP-127-8-8.5-012716	TP-130-9.5-10-012816	TP-132-3-3.5-012816	TP-133-6.5-7-012716	TP-134-5-6-012816
			Sample Date	1/25/2016	1/26/2016	1/26/2016	1/15/2016	1/15/2016	1/26/2016	1/26/2016	1/26/2016	1/27/2016	1/27/2016	1/27/2016	1/28/2016	1/28/2016	1/27/2016	1/28/2016
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
			Lab SDG	R1600634	R1600634	R1600634	R1600468	R1600468	R1600634	R1600634	R1600634	R1600634	R1600634	R1600634	R1600810	R1600810	R1600634	R1600810
			Start Depth	1.5	4	4	7	3.5	4	4	4.5	3	2	8	9.5	3	6.5	5
			End Depth	2	5	5	8	4	4.5	4.5	5	4	3	8.5	10	3.5	7	6
Chemical Name	CAS #	NY Part 375 Residential SCO[1]	NY Part 375 Restricted Residential SCO[1]															
Inorganics																		
Aluminum	7429-90-5	NC	NC	5,000	20,600	8,730	8,060	12,500	10,900	11,100	8,940	2,260	6,560	11,100	5,300	5,100	12,600	9,000
Antimony	7440-36-0	NC	NC	6.5 U	0.171 UJ	1.5 J	7.2 U	1.8 J	0.264 J	0.145 UJ	0.146 UJ	0.909 J	1.1 J	0.614 J	7.9 UJ	7.3 UJ	0.208 J	0.198 UJ
Arsenic	7440-38-2	16	16	2.7	7.9	11	7.6	21.2	7.9	9.6	7.8	510	17.3	31.4	14.2	18	7.2	6.2
Barium	7440-39-3	350	400	27	144	184	47.4	97	81.5	86.2	46.1	58	172	118	86.7 J	103	85.6	52.4
Beryllium	7440-41-7	14	72	0.327 U	1.2	0.634	0.49	0.894	0.607	0.716	0.502	0.167 J	1.2	0.688	0.565	0.403	0.691	0.423
Cadmium	7440-43-9	2.5	4.3	0.545 U	0.713 U	0.024 U	0.601 U	0.694 U	0.617 U	0.02 U	0.021 U	7.6	0.726 U	0.851 U	0.655 U	1.1	0.567 U	0.585 U
Calcium	7440-70-2	NC	NC	127,000	5,270	8,490	1,710	22,500	11,000	7,540	1,800	2,630	9,640	26,500	29,100	32,000	3,780	1,790
Chromium	7440-47-3	22*	110*	9.3 J	21.5	15.1	12.8	31.7	17.2	16.4	13.4	19.7	10.1	17.7	12.7	16.2	18.2	13.2
Cobalt	7440-48-4	30[CP]	NC	3.5 J	7.5	10.4	8.3	7.7	8.9	11	8.3	1.6 J	9.2	8.3 J	6.5 U	6.2	12	8.7
Copper	7440-50-8	270	270	17.3	35.9	157	17.3	28.3	20	18	16.6	18.9	40.9	48.7	37.7	56.4	15	14.8
Cyanide	57-12-5	27	27	0.097 U	0.24	0.17	0.11 U	0.63	0.11 U	0.06 J	0.02 J	0.09 J	0.38	1.04	0.16	0.11	0.06 J	0.05 J
Iron	7439-89-6	2,000[CP]	NC	11,300	24,700	13,300	24,400	24,100	23,300	24,200	21,900	156,000	29,400	36,400	19,300	23,900	27,000	23,300
Lead	7439-92-1	400	400	7.2	13.9	524	9.6	114	56.2	35.6	9.8	16.3	92.2	199	279 J	308 J	15.3	10.1 J
Magnesium	7439-95-4	NC	NC	44,900	4,340	3,800	3,080	11,100	7,960	5,940	3,060	1,170	3,380	5,420	10,700	11,500	4,080	3,070
Manganese	7439-96-5	2,000	2,000	430	130	239	247	238	306	336	249	19.4	177	229	271	321	311	251
Mercury	7439-97-6	0.81	0.81	0.053	0.061	44.2	0.014 J	0.51	0.079	0.06	0.007 J	0.024 J	0.554	0.044 J	2.9	1.6	0.214	0.021 J
Nickel	7440-02-0	140	310	9.2	23.9	22.6	21.2	16.5	20.8	26.6	18.6	3.4 J	19.9	19.1	10.9	23.9	23.4	19.2
Potassium	7440-09-7	NC	NC	1,740 J	1,900	962	796 J	1,710 J	1,580	1,670	936	655	844	1,640	838 J	858	1,620	907
Selenium	7782-49-2	36	180	1.1 U	1.6	1.4 U	1.2 U	2.4	1.2 U	1.2 U	0.221 U	3.8	1.5	1.7 U	1.2 J	1.2 J	1.1 U	1.2 U
Silver	7440-22-4	36	180	1.1 U	1.4 U	1.3 J	1.2 U	1.4 U	1.2 U	0.073 U	0.074 U	0.077 U	1.5 U	1.7 U	0.21 J	0.293 J	0.068 U	1.2 U
Sodium	7440-23-5	NC	NC	140	190	200	34 J	418	68.8 J	56.1 J	56 J	38.1 J	173	179	106 J	102 J	135	182
Thallium	7440-28-0	NC	NC	1.1 U	1.4 U	0.39 U	1.2 U	1.4 U	1.2 U	0.327 U	0.329 U	2.6 J	1.5 U	1.7 U	1.3 U	1.2 U	1.1 U	1.2 U
Vanadium	7440-62-2	100[CP]	NC	9.8	27.3	23.3	15.1	33.9	22.9	20.9	17.1	35.3	19.4	21	18.4	17.7	21.9	16.1
Zinc	7440-66-6	2,200	10,000	29.5	96.4	241	59.5	420	231	166 J	54.1	55.6	57	137	113 J	301	102	49.4

Notes:
mg/kg - milligrams per kilogram
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance,
U - Not detected at the detection limit shown
J - Estimated value
* - Hexavalent Chromium values used for conservative comparison. Results are Total Chro
Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analyz
Exceeds Residential Use SCO listed in Part 375 or CP-51
Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 8E - Subsurface Soil Results Compared to Restricted SCOs
Inorganics
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

				fill		fill	fill	fill	fill	fill	fill	fill/bb	fill/bb	fill
			Sample Location	TP-135	TP-137	TP-140[BB]	TP-141	TP-142	TP-143	TP-146	TP-148	TP-149[BB]	TP-150[BB]	TP-151
			Sample ID	TP-135-2-3-012916	TP-137-9.5-10-012916	TP-140-2.5-3-011416	TP-141-4-5-011416	TP-142-0-1-011516	TP-143-4-6.5-011416	TP-146-6-8-011316	TP-148-2-2.5-012516	TP-149-6-8-011416	TP-150-4-6-011316	TP-151-2-4-011316
			Sample Date	1/29/2016	1/29/2016	1/14/2016	1/14/2016	1/15/2016	1/14/2016	1/13/2016	1/25/2016	1/14/2016	1/13/2016	1/13/2016
			Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
			Lab SDG	R1600810	R1600810	R1600423	R1600423	R1600468	R1600423	R1600375	R1600634	R1600423	R1600375	R1600375
			Start Depth	2	9.5	2.5	4	0	4	6	2	6	4	2
			End Depth	3	10	3	5	1	6.5	8	2.5	8	6	4
Chemical Name	CAS #	NY Part 375 Residential SCO[1]	NY Part 375 Restricted Residential SCO[1]											
Inorganics														
Aluminum	7429-90-5	NC	NC	7,270	6,650	14,500	4,170	2,670	22,600	6,950	6,160	21,100	21,200	5,070
Antimony	7440-36-0	NC	NC	0.202 UJ	7.3 UJ	1.3 J	0.702 J	7.1 U	1.3 J	12.2 U	7.3 U	0.876 J	13.2 U	11.2 U
Arsenic	7440-38-2	16	16	3.5	7.6	28.4 J	22.8 J	24.5	48.5 J	9.3	8.2	38.2 J	82.2	8.2
Barium	7440-39-3	350	400	35.1	38.3	73.8	130	281	131	62	105	245	28.2	62.9
Beryllium	7440-41-7	14	72	0.384	0.35 J	0.772	0.453	0.782	1.6	0.476	0.364	0.72	0.711	0.403
Cadmium	7440-43-9	2.5	4.3	0.605 U	0.605 U	0.677 U	0.566 U	0.591 U	4.8	0.61 U	0.871	0.733	0.908	0.578 U
Calcium	7440-70-2	NC	NC	13,200	1,050	42,600 J	25,600 J	2,740	13,600 J	68,000 J	2,880	31,600 J	36,100 J	5,260 J
Chromium	7440-47-3	22*	110*	11	9.8	43.7 J	29.4 J	7.3	78.1	7.7 J	10.2 J	53.9 J	52.4	8.5 J
Cobalt	7440-48-4	30[CP]	NC	9.7	7.6	6.8 U	5.7 U	7.5	8.5 U	6.1 U	6.9	6.8 U	4.9 U	6.6
Copper	7440-50-8	270	270	18.9	16.1	25.9 J	58.8 J	24.2	20.4 J	17.6 J	32.4	9.7 J	6.8 J	16.7 J
Cyanide	57-12-5	27	27	0.02 J	0.12 U	0.12 U	0.57	0.11 U	0.29	0.09 J	0.03 J	1.06	0.42	0.1 J
Iron	7439-89-6	2,000[CP]	NC	16,800	19,100	13,000	18,100	20,900	26,500	12,900	22,500	30,200	34,900	14,900
Lead	7439-92-1	400	400	6.1 U	9.2 J	82.7 J	52.6 J	6.3	45.8 J	44 J	9.5	21 J	15.7 J	20.7 J
Magnesium	7439-95-4	NC	NC	4,490	2,030	19,100 J	4,190 J	779	22,900 J	34,300 J	2,980	29,100 J	28,700 J	2,670 J
Manganese	7439-96-5	2,000	2,000	200	331	223 J	171 J	78.2	209 J	414 J	146	2,550 J	172 J	252 J
Mercury	7439-97-6	0.81	0.81	0.01 J	0.012 J	0.303	1.6	0.132	0.083	0.69	1.4	0.032 J	0.006 J	0.099
Nickel	7440-02-0	140	310	19.4	17.4	9.9 J	9.3 J	17.7	28.3 J	9.3 J	17.7	16.2 J	17.7	18.1
Potassium	7440-09-7	NC	NC	1,300	914	1,790	583	622 J	3,390	777	836 J	3,210	3,300	593
Selenium	7782-49-2	36	180	3	1.2 U	1.4 U	1.1 U	1.4	1.7 U	0.721 U	1.2 U	2.4	1.3 U	1.1 U
Silver	7440-22-4	36	180	1.2 U	1.2 U	1.4 U	1.1 U	1.2 U	1.7 U	0.054 U	1.2 U	1.4 U	1.3 U	1.1 U
Sodium	7440-23-5	NC	NC	62 J	121 U	701	221	93 J	672	199	31.7 J	775	698	110 J
Thallium	7440-28-0	NC	NC	1.2 U	1.2 U	1.4 U	1.1 U	0.922 J	1.7 U	0.33 U	1.2 U	6.9 U	1.3 U	1.1 U
Vanadium	7440-62-2	100[CP]	NC	18.7	13.4	50.7	20.4	19.1	65.8	14.3	11.9	63.6	62.6	14.5
Zinc	7440-66-6	2,200	10,000	45.8	43.2	705 J	305 J	39	2,580 J	159 J	613	62.2 J	51.2 J	71.3 J

Notes:
mg/kg - milligrams per kilogram
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance,
U - Not detected at the detection limit shown
J - Estimated value
* - Hexavalent Chromium values used for conservative comparison. Results are Total Chro
Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[BB] = Sample location(s) where "bone black" or "activated carbon" type material was analy
Exceeds Residential Use SCO listed in Part 375 or CP-51
Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.

Table 9A - Subsurface Soil Results Compared to Unrestricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	OVR-100	OVR-107	OVR-108	OVR-109	OVR-109
		Sample ID	OVR-100-6-7-04222016	OVR-107-10-11-041216	OVR-108-4.1-5.4-041316	DUP-004-041116	OVR-109-10-11.8-041116
		Sample Date	4/22/2016	4/12/2016	4/13/2016	4/11/2016	4/11/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	R1603557	R1603190	R1603557	R1603190	R1603190
		Start Depth	6	10	4.1	10	10
		End Depth	7	11	5.4	11.8	11.8
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]					
VOCs							
1,1,1-Trichloroethane	71-55-6	680	3.2 U	2.2 U	4.3 U	240 U	210 U
1,1,2,2-Tetrachloroethane	79-34-5	NC	3.2 U	2.2 U	4.3 U	240 U	210 U
1,1,2-Trichloroethane	79-00-5	NC	3.2 U	2.2 U	4.3 U	240 U	210 U
1,1-Dichloroethane	75-34-3	270	3.2 U	2.2 U	4.3 U	240 U	210 U
1,1-Dichloroethene	75-35-4	330	3.2 U	2.2 U	4.3 U	240 U	210 U
1,2,3-Trichlorobenzene	87-61-6	NC	3.2 U	2.2 U	4.3 U	240 U	210 U
1,2,4-Trichlorobenzene	120-82-1	NC	3.2 U	2.2 U	4.3 U	240 U	210 U
1,2,4-Trimethylbenzene	95-63-6	3,600	0.96 J	0.28 J	4.3 U	240 U	210 U
1,2-Dibromo-3-chloropropane	96-12-8	NC	3.2 U	2.2 U	4.3 U	240 U	210 U
1,2-Dibromoethane	106-93-4	NC	3.2 U	2.2 U	4.3 U	240 U	210 U
1,2-Dichlorobenzene	95-50-1	1,100	3.2 U	2.2 U	4.3 U	240 U	210 U
1,2-Dichloroethane	107-06-2	20	3.2 U	2.2 U	4.3 U	240 U	210 U
1,2-Dichloropropane	78-87-5	NC	3.2 U	2.2 U	4.3 U	240 U	210 U
1,3,5-Trimethylbenzene	108-67-8	8,400	3.2 U	0.71 J	4.3 U	240 U	210 U
1,3-Dichlorobenzene	541-73-1	2,400	3.2 U	2.2 U	4.3 U	240 U	210 U
1,4-Dichlorobenzene	106-46-7	1,800	3.2 U	2.2 U	4.3 U	240 U	210 U
1,4-Dioxane	123-91-1	100	64 R	44 R	85 R	4,800 R	4,200 R
2-Butanone	78-93-3	120	9.6	2.1 J	4.3 U	240 U	210 U
2-Hexanone	591-78-6	NC	3.2 U	2.2 U	4.3 U	240 U	210 U
4-Isopropyltoluene	99-87-6	NC	3.2 U	2.2 U	4.3 U	240 U	210 U
4-Methyl-2-Pentanone	108-10-1	NC	3.2 U	2.2 U	4.3 U	240 U	210 U
Acetone	67-64-1	50	31	11	4.3 U	240 U	210 U
Benzene	71-43-2	60	0.19 J	2.2 J	4.3 U	240 U	210 U
Bromochloromethane	74-97-5	NC	3.2 U	2.2 U	4.3 U	240 U	210 U
Bromodichloromethane	75-27-4	NC	3.2 U	2.2 U	4.3 U	240 U	210 U
Bromoform	75-25-2	NC	3.2 U	2.2 U	4.3 U	240 U	210 U
Bromomethane	74-83-9	NC	3.2 U	2.2 UJ	4.3 UJ	240 U	210 U
Carbon disulfide	75-15-0	NC	0.96 J	2.2 UJ	4.3 UJ	240 U	210 U
Carbon Tetrachloride	56-23-5	760	3.2 U	2.2 U	4.3 U	240 U	210 U
Chlorobenzene	108-90-7	1,100	3.2 U	2.2 U	4.3 U	240 U	210 U
Chloroethane	75-00-3	NC	3.2 U	20	4.3 U	240 U	210 U
Chloroform	67-66-3	370	3.2 U	2.2 U	4.3 U	240 U	210 U
Chloromethane	74-87-3	NC	3.2 U	2.2 U	4.3 U	240 U	210 U
cis-1,2-Dichloroethene	156-59-2	250	3.2 U	2.2 U	4.3 U	240 U	210 U
Cis-1,3-Dichloropropene	10061-01-5	NC	3.2 U	2.2 U	4.3 U	240 U	210 U
Cyclohexane	110-82-7	NC	3.2 U	6.5	4.3 U	240 U	210 U
Dibromochloromethane	124-48-1	NC	3.2 U	2.2 U	4.3 U	240 U	210 U
Dichlorodifluoromethane	75-71-8	NC	3.2 U	2.2 U	4.3 U	240 U	210 U
Ethylbenzene	100-41-4	1,000	0.25 J	2.2 U	4.3 U	240 U	210 U
Isopropylbenzene	98-82-8	NC	3.2 U	2.2 U	4.3 U	240 U	210 U
m,p-xylene	XYLMP	See Total Xylenes	0.99 J	4.4 U	8.5 U	480 U	420 U
Methyl Acetate	79-20-9	NC	3.2 U	2.2 U	4.3 U	240 U	210 U
Methylcyclohexane	108-87-2	NC	2.8 J	26	4.3 U	240 U	210 U
Methylene Chloride	75-09-2	50	3.2 U	2.2 U	4.3 U	240 U	210 U
MTBE	1634-04-4	930	3.2 U	2.2 U	4.3 U	240 U	210 U
n-Butylbenzene	104-51-8	12,000	3.2 U	2.2 U	4.3 U	240 U	210 U
n-Propylbenzene	103-65-1	3,900	3.2 U	2.2 U	4.3 U	240 U	210 U
o-Xylene	95-47-6	See Total Xylenes	0.47 J	0.43 J	4.3 U	240 U	210 U
sec-Butylbenzene	135-98-8	11,000	3.2 U	2.2 U	4.3 U	240 U	210 U
Styrene	100-42-5	NC	3.2 U	2.2 U	4.3 U	240 U	210 U
Tert-Butylbenzene	98-06-6	5,900	3.2 U	2.5	4.3 U	30 J	210 U
Tetrachloroethene	127-18-4	1,300	3.2 U	2.2 U	4.3 U	240 U	210 U
Toluene	108-88-3	700	3.2 U	2.2 U	4.3 U	240 U	210 U
trans-1,2-Dichloroethene	156-60-5	190	3.2 U	2.2 U	4.3 U	240 U	210 U
Trans-1,3-Dichloropropene	10061-02-6	NC	3.2 U	2.2 U	4.3 U	240 U	210 U
Trichloroethene	79-01-6	470	3.2 U	2.2 U	4.3 U	240 U	210 U
Trichlorofluoromethane	75-69-4	NC	3.2 U	2.2 U	4.3 U	240 U	210 U
Trichlorotrifluoroethane	26523-64-8	NC	3.2 U	2.2 U	4.3 U	240 U	210 U
Vinyl Chloride	75-01-4	20	3.2 UJ	2.2 U	4.3 U	240 U	210 U
Total Xylenes	NA	330	1.46	0.43	0	0	0
TOTAL VOC TICs	NA	NC	21.3	289	0	15,300	14,340

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.

[BB] = Sample locations where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 9A - Subsurface Soil Results Compared to Unrestricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	OVR-116	OVR-117	OVR-118	SB-100	SB-101
		Sample ID	OVR-116-10-11.9-040116	OVR-117-7-7.6-040716	OVR-118-0.5-1-041316	SB-100-9-10-031016	SB-101-12.5-14-031016
		Sample Date	4/1/2016	4/7/2016	4/13/2016	3/10/2016	3/10/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	R1603031	R1603190	R1603557	R1602058	R1602058
		Start Depth	10	7	0.5	9	12.5
		End Depth	11.9	7.6	1	10	14
Chemical Name	**CAS #**	**NY Part 375 Unrestricted SCO[1]**					
VOCs							
1,1,1-Trichloroethane	71-55-6	680	1.5 U	14,000 U	4.1 U	4.9 U	3 U
1,1,2,2-Tetrachloroethane	79-34-5	NC	1.5 U	14,000 U	4.1 U	4.9 U	3 U
1,1,2-Trichloroethane	79-00-5	NC	1.5 U	14,000 U	4.1 U	4.9 U	3 U
1,1-Dichloroethane	75-34-3	270	1.5 U	14,000 U	4.1 U	4.9 U	3 U
1,1-Dichloroethene	75-35-4	330	1.5 U	14,000 U	4.1 U	4.9 U	3 U
1,2,3-Trichlorobenzene	87-61-6	NC	1.5 U	14,000 U	4.1 U	4.9 U	3 U
1,2,4-Trichlorobenzene	120-82-1	NC	1.5 U	14,000 U	4.1 U	4.9 U	3 U
1,2,4-Trimethylbenzene	95-63-6	3,600	0.3 J	26,000	4.1 U	4.9 U	3 U
1,2-Dibromo-3-chloropropane	96-12-8	NC	1.5 U	14,000 UJ	4.1 U	4.9 U	3 U
1,2-Dibromoethane	106-93-4	NC	1.5 U	14,000 U	4.1 U	4.9 U	3 U
1,2-Dichlorobenzene	95-50-1	1,100	1.5 U	14,000 U	4.1 U	4.9 U	3 U
1,2-Dichloroethane	107-06-2	20	1.5 U	14,000 U	4.1 U	4.9 U	3 U
1,2-Dichloropropane	78-87-5	NC	1.5 U	14,000 U	4.1 U	4.9 U	3 U
1,3,5-Trimethylbenzene	108-67-8	8,400	1.5 U	22,000	4.1 U	4.9 U	3 U
1,3-Dichlorobenzene	541-73-1	2,400	1.5 U	14,000 U	4.1 U	4.9 U	3 U
1,4-Dichlorobenzene	106-46-7	1,800	1.5 U	14,000 U	4.1 U	4.9 U	3 U
1,4-Dioxane	123-91-1	100	29 R	280,000 R	82 R	98 R	59 R
2-Butanone	78-93-3	120	1.3 J	14,000 U	4.1 U	8.8	10
2-Hexanone	591-78-6	NC	1.5 U	3,600 J	4.1 U	4.9 U	3 U
4-Isopropyltoluene	99-87-6	NC	1.5 U	14,000 U	4.1 U	4.9 U	3 U
4-Methyl-2-Pentanone	108-10-1	NC	1.5 U	14,000 U	4.1 U	4.9 U	3 U
Acetone	67-64-1	50	5	14,000 U	4.1 U	26	31
Benzene	71-43-2	60	0.39 J	4,400 J	4.1 U	4.9 U	3 U
Bromochloromethane	74-97-5	NC	1.5 U	14,000 U	4.1 U	4.9 U	3 U
Bromodichloromethane	75-27-4	NC	1.5 U	14,000 U	4.1 U	4.9 U	3 U
Bromoform	75-25-2	NC	1.5 U	14,000 UJ	4.1 U	4.9 U	3 U
Bromomethane	74-83-9	NC	1.5 U	14,000 U	4.1 UJ	4.9 U	3 U
Carbon disulfide	75-15-0	NC	1.5 U	14,000 U	4.1 UJ	4.9 U	3 U
Carbon Tetrachloride	56-23-5	760	1.5 U	14,000 U	4.1 U	4.9 U	3 U
Chlorobenzene	108-90-7	1,100	1.5 U	14,000 U	4.1 U	4.9 U	3 U
Chloroethane	75-00-3	NC	1.5 U	14,000 U	4.1 U	4.9 U	3 U
Chloroform	67-66-3	370	1.5 U	14,000 U	4.1 U	4.9 U	3 U
Chloromethane	74-87-3	NC	1.5 U	14,000 U	4.1 U	4.9 U	3 U
cis-1,2-Dichloroethene	156-59-2	250	1.5 U	14,000 U	4.1 U	4.9 U	3 U
Cis-1,3-Dichloropropene	10061-01-5	NC	1.5 U	14,000 U	4.1 U	4.9 U	3 U
Cyclohexane	110-82-7	NC	1.2 J	8,200 J	4.1 U	4.9 U	3 U
Dibromochloromethane	124-48-1	NC	1.5 U	14,000 U	4.1 U	4.9 U	3 U
Dichlorodifluoromethane	75-71-8	NC	1.5 U	14,000 U	4.1 U	4.9 U	3 U
Ethylbenzene	100-41-4	1,000	0.086 J	12,000 J	4.1 U	4.9 U	3 U
Isopropylbenzene	98-82-8	NC	1.5 U	14,000 U	4.1 U	4.9 U	3 U
m,p-xylene	XYLMP	See Total Xylenes	0.55 J	67,000	8.2 U	9.8 U	5.9 U
Methyl Acetate	79-20-9	NC	1.5 U	14,000 U	4.1 U	4.9 U	3 U
Methylcyclohexane	108-87-2	NC	1.1 J	16,000	4.1 U	4.9 U	2.3 J
Methylene Chloride	75-09-2	50	1.5 U	14,000 U	4.1 U	4.9 U	3 U
MTBE	1634-04-4	930	1.5 U	14,000 U	4.1 U	4.9 U	3 U
n-Butylbenzene	104-51-8	12,000	1.5 U	14,000 U	4.1 U	4.9 U	3 U
n-Propylbenzene	103-65-1	3,900	1.5 U	4,300 J	4.1 U	4.9 U	3 U
o-Xylene	95-47-6	See Total Xylenes	0.19 J	20,000	4.1 U	4.9 U	3 U
sec-Butylbenzene	135-98-8	11,000	1.5 U	14,000 U	4.1 U	4.9 U	3 U
Styrene	100-42-5	NC	1.5 U	4,000 J	4.1 U	4.9 U	3 U
Tert-Butylbenzene	98-06-6	5,900	1.5 U	14,000 U	4.1 U	4.9 U	3 U
Tetrachloroethene	127-18-4	1,300	1.5 U	14,000 U	4.1 U	4.9 U	3 U
Toluene	108-88-3	700	0.74 J	35,000	4.1 U	4.9 U	3 U
trans-1,2-Dichloroethene	156-60-5	190	1.5 U	14,000 U	4.1 U	4.9 U	3 U
Trans-1,3-Dichloropropene	10061-02-6	NC	1.5 U	14,000 UJ	4.1 U	4.9 U	3 U
Trichloroethene	79-01-6	470	1.5 U	14,000 U	4.1 U	4.9 U	3 U
Trichlorofluoromethane	75-69-4	NC	1.5 U	14,000 UJ	4.1 U	4.9 U	3 U
Trichlorotrifluoroethane	26523-64-8	NC	1.5 U	14,000 U	4.1 U	4.9 U	3 U
Vinyl Chloride	75-01-4	20	1.5 U	14,000 U	4.1 U	4.9 U	3 U
Total Xylenes	NA	330	0.74	87,000	0	0	0
TOTAL VOC TICs	NA	NC	15.1	1,439,000	0	0	48.9

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.

[BB] = Sample locations where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 9A - Subsurface Soil Results Compared to Unrestricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SB-102	SB-103	SB-104	SB-105	SB-106
		Sample ID	SB-102-4.0-6.0-090717	SB-103-4.8-5.8-030416	SB-104-12-13-030316	SB-105-11-12-031016	SB-106-5-6-030316
		Sample Date	9/7/2017	3/4/2016	3/3/2016	3/10/2016	3/3/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	R1708422	R1601955	R1601955	R1602058	R1601955
		Start Depth	4	4.8	12	11	5
		End Depth	6	5.8	13	12	6
Chemical Name	**CAS #**	**NY Part 375 Unrestricted SCO[1]**					
VOCs							
1,1,1-Trichloroethane	71-55-6	680	3.6 U	6.6 UJ	3 U	4.7 U	5.5 U
1,1,2,2-Tetrachloroethane	79-34-5	NC	3.6 U	6.6 UJ	3 U	4.7 U	5.5 UJ
1,1,2-Trichloroethane	79-00-5	NC	3.6 U	6.6 UJ	3 U	4.7 U	5.5 U
1,1-Dichloroethane	75-34-3	270	3.6 U	6.6 UJ	3 U	4.7 U	5.5 U
1,1-Dichloroethene	75-35-4	330	3.6 U	6.6 UJ	3 U	4.7 U	5.5 U
1,2,3-Trichlorobenzene	87-61-6	NC	3.6 U	6.6 UJ	3 U	4.7 U	5.5 UJ
1,2,4-Trichlorobenzene	120-82-1	NC	3.6 U	6.6 UJ	3 U	4.7 U	5.5 UJ
1,2,4-Trimethylbenzene	95-63-6	3,600	3.6 U	6.6 UJ	3 U	4.7 U	5.5 UJ
1,2-Dibromo-3-chloropropane	96-12-8	NC	3.6 UJ	6.6 UJ	3 U	4.7 U	5.5 UJ
1,2-Dibromoethane	106-93-4	NC	3.6 U	6.6 UJ	3 U	4.7 U	5.5 U
1,2-Dichlorobenzene	95-50-1	1,100	3.6 U	6.6 UJ	3 U	4.7 U	5.5 UJ
1,2-Dichloroethane	107-06-2	20	3.6 U	6.6 UJ	3 U	4.7 U	5.5 U
1,2-Dichloropropane	78-87-5	NC	3.6 U	6.6 UJ	3 U	4.7 U	5.5 U
1,3,5-Trimethylbenzene	108-67-8	8,400	3.6 U	6.6 UJ	3 U	4.7 U	5.5 UJ
1,3-Dichlorobenzene	541-73-1	2,400	3.6 U	6.6 UJ	3 U	4.7 U	5.5 UJ
1,4-Dichlorobenzene	106-46-7	1,800	3.6 U	6.6 UJ	3 U	4.7 U	5.5 UJ
1,4-Dioxane	123-91-1	100	73 R	130 R	60 R	93 R	110 R
2-Butanone	78-93-3	120	3.6 U	4.2 J	1.7 J	19	49
2-Hexanone	591-78-6	NC	3.6 U	6.6 UJ	3 U	4.7 U	3.1 J
4-Isopropyltoluene	99-87-6	NC	3.6 U	6.6 UJ	3 U	4.7 U	5.5 UJ
4-Methyl-2-Pentanone	108-10-1	NC	3.6 U	6.6 UJ	3 U	4.7 U	5.5 U
Acetone	67-64-1	50	3.6 U	14 J	11	62	160
Benzene	71-43-2	60	3.6 U	0.66 J	3 U	4.7 U	5.5 U
Bromochloromethane	74-97-5	NC	3.6 U	6.6 UJ	3 U	4.7 U	5.5 U
Bromodichloromethane	75-27-4	NC	3.6 U	6.6 UJ	3 U	4.7 U	5.5 U
Bromoform	75-25-2	NC	3.6 U	6.6 UJ	3 U	4.7 U	5.5 U
Bromomethane	74-83-9	NC	3.6 UJ	6.6 UJ	3 U	4.7 U	5.5 UJ
Carbon disulfide	75-15-0	NC	3.6 U	6.6 UJ	3 U	4.7 U	3 J
Carbon Tetrachloride	56-23-5	760	3.6 U	6.6 UJ	3 U	4.7 U	5.5 U
Chlorobenzene	108-90-7	1,100	3.6 U	6.6 UJ	3 U	4.7 U	5.5 U
Chloroethane	75-00-3	NC	3.6 UJ	6.6 UJ	3 U	4.7 U	5.5 U
Chloroform	67-66-3	370	3.6 U	6.6 UJ	3 U	4.7 U	5.5 U
Chloromethane	74-87-3	NC	3.6 U	6.6 UJ	3 U	4.7 U	5.5 U
cis-1,2-Dichloroethene	156-59-2	250	3.6 U	6.6 UJ	3 U	4.7 U	5.5 U
Cis-1,3-Dichloropropene	10061-01-5	NC	3.6 U	6.6 UJ	3 U	4.7 U	5.5 U
Cyclohexane	110-82-7	NC	3.6 U	6.6 UJ	3 U	4.7 U	5.5 U
Dibromochloromethane	124-48-1	NC	3.6 U	6.6 UJ	3 U	4.7 U	5.5 U
Dichlorodifluoromethane	75-71-8	NC	3.6 U	6.6 UJ	3 U	4.7 U	5.5 U
Ethylbenzene	100-41-4	1,000	3.6 U	6.6 UJ	3 U	4.7 U	0.32 J
Isopropylbenzene	98-82-8	NC	3.6 U	6.6 UJ	3 U	4.7 UJ	5.5 U
m,p-xylene	XYLMP	See Total Xylenes	7.3 U	13 UJ	6 U	9.3 U	1.8 J
Methyl Acetate	79-20-9	NC	3.6 U	6.6 UJ	3 U	4.7 U	5.5 U
Methylcyclohexane	108-87-2	NC	3.6 U	6.6 UJ	3 U	2.3 J	1.4 J
Methylene Chloride	75-09-2	50	3.6 U	6.6 UJ	3 U	4.7 U	5.5 U
MTBE	1634-04-4	930	3.6 U	6.6 UJ	3 U	4.7 U	5.5 U
n-Butylbenzene	104-51-8	12,000	3.6 U	6.6 UJ	3 U	4.7 UJ	5.5 UJ
n-Propylbenzene	103-65-1	3,900	3.6 U	6.6 UJ	3 U	4.7 UJ	5.5 UJ
o-Xylene	95-47-6	See Total Xylenes	3.6 U	6.6 UJ	3 U	4.7 U	5.5 U
sec-Butylbenzene	135-98-8	11,000	3.6 U	6.6 UJ	3 U	4.7 UJ	5.5 UJ
Styrene	100-42-5	NC	3.6 U	6.6 UJ	3 U	4.7 U	5.5 U
Tert-Butylbenzene	98-06-6	5,900	3.6 U	6.6 UJ	3 U	4.7 UJ	12 J
Tetrachloroethene	127-18-4	1,300	3.6 U	6.6 UJ	3 U	4.7 UJ	5.5 U
Toluene	108-88-3	700	3.6 U	6.6 UJ	3 U	4.7 U	5.5 U
trans-1,2-Dichloroethene	156-60-5	190	3.6 U	6.6 UJ	3 U	4.7 U	5.5 U
Trans-1,3-Dichloropropene	10061-02-6	NC	3.6 U	6.6 UJ	3 U	4.7 U	5.5 U
Trichloroethene	79-01-6	470	3.6 U	6.6 UJ	3 U	4.7 U	5.5 U
Trichlorofluoromethane	75-69-4	NC	3.6 U	6.6 UJ	3 U	4.7 U	5.5 U
Trichlorotrifluoroethane	26523-64-8	NC	3.6 U	6.6 UJ	3 U	4.7 U	5.5 U
Vinyl Chloride	75-01-4	20	3.6 U	6.6 UJ	3 U	4.7 U	5.5 U
Total Xylenes	NA	330	NA	0	0	0	1.8
TOTAL VOC TICs	NA	NC	NA	18.4	25	161.4	909

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.

[BB] = Sample locations where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 9A - Subsurface Soil Results Compared to Unrestricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SB-107	SB-108	SB-109	SB-110	SB-112
		Sample ID	SB-107-6-7-030316	SB-108-5.8-6.4-030316	SB-109-8-9-030216	SB-110-1.5-2.5-031016	SB-112-0.5-2.0-082217
		Sample Date	3/3/2016	3/3/2016	3/2/2016	3/10/2016	8/22/2017
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	R1601955	R1601955	R1601741	R1602058	R1707777
		Start Depth	6	5.8	8	1.5	0.5
		End Depth	7	6.4	9	2.5	2
Chemical Name	**CAS #**	**NY Part 375 Unrestricted SCO[1]**					
VOCs							
1,1,1-Trichloroethane	71-55-6	680	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
1,1,2,2-Tetrachloroethane	79-34-5	NC	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
1,1,2-Trichloroethane	79-00-5	NC	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
1,1-Dichloroethane	75-34-3	270	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
1,1-Dichloroethene	75-35-4	330	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
1,2,3-Trichlorobenzene	87-61-6	NC	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
1,2,4-Trichlorobenzene	120-82-1	NC	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
1,2,4-Trimethylbenzene	95-63-6	3,600	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
1,2-Dibromo-3-chloropropane	96-12-8	NC	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
1,2-Dibromoethane	106-93-4	NC	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
1,2-Dichlorobenzene	95-50-1	1,100	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
1,2-Dichloroethane	107-06-2	20	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
1,2-Dichloropropane	78-87-5	NC	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
1,3,5-Trimethylbenzene	108-67-8	8,400	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
1,3-Dichlorobenzene	541-73-1	2,400	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
1,4-Dichlorobenzene	106-46-7	1,800	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
1,4-Dioxane	123-91-1	100	69 R	69 R	44 R	42 R	130 U
2-Butanone	78-93-3	120	3.5 U	17	1.2 J	2.1 U	6.5 U
2-Hexanone	591-78-6	NC	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
4-Isopropyltoluene	99-87-6	NC	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
4-Methyl-2-Pentanone	108-10-1	NC	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
Acetone	67-64-1	50	2.2 J	49	7.7	2.1 U	6.5 U
Benzene	71-43-2	60	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
Bromochloromethane	74-97-5	NC	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
Bromodichloromethane	75-27-4	NC	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
Bromoform	75-25-2	NC	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
Bromomethane	74-83-9	NC	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
Carbon disulfide	75-15-0	NC	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
Carbon Tetrachloride	56-23-5	760	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
Chlorobenzene	108-90-7	1,100	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
Chloroethane	75-00-3	NC	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
Chloroform	67-66-3	370	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
Chloromethane	74-87-3	NC	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
cis-1,2-Dichloroethene	156-59-2	250	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
Cis-1,3-Dichloropropene	10061-01-5	NC	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
Cyclohexane	110-82-7	NC	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
Dibromochloromethane	124-48-1	NC	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
Dichlorodifluoromethane	75-71-8	NC	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
Ethylbenzene	100-41-4	1,000	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
Isopropylbenzene	98-82-8	NC	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
m,p-xylene	XYLMP	See Total Xylenes	6.9 U	6.9 U	4.4 U	4.2 U	13 U
Methyl Acetate	79-20-9	NC	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
Methylcyclohexane	108-87-2	NC	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
Methylene Chloride	75-09-2	50	3.5 U	3.4 U	2.2 U	2.1 U	0.87 J
MTBE	1634-04-4	930	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
n-Butylbenzene	104-51-8	12,000	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
n-Propylbenzene	103-65-1	3,900	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
o-Xylene	95-47-6	See Total Xylenes	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
sec-Butylbenzene	135-98-8	11,000	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
Styrene	100-42-5	NC	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
Tert-Butylbenzene	98-06-6	5,900	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
Tetrachloroethene	127-18-4	1,300	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
Toluene	108-88-3	700	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
trans-1,2-Dichloroethene	156-60-5	190	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
Trans-1,3-Dichloropropene	10061-02-6	NC	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
Trichloroethene	79-01-6	470	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
Trichlorofluoromethane	75-69-4	NC	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
Trichlorotrifluoroethane	26523-64-8	NC	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
Vinyl Chloride	75-01-4	20	3.5 U	3.4 U	2.2 U	2.1 U	6.5 U
Total Xylenes	NA	330	0	0	0	0	NA
TOTAL VOC TICs	NA	NC	46	36	0	0	NT

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.

[BB] = Sample locations where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 9A - Subsurface Soil Results Compared to Unrestricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SB-112	SB-113	SB-113[BB]	SB-113	SB-114
		Sample ID	SB-112-0.5-2.0-090717	DUP-002-031416	SB-113-1-2-031416	SB-113-4.5-6.5-031416	SB-114-2-2.5-030216
		Sample Date	9/7/2017	3/14/2016	3/14/2016	3/14/2016	3/2/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	R1708422	R1602239	R1602239	R1602239	R1601741
		Start Depth	0.5	4.5	1	4.5	2
		End Depth	2	6.5	2	6.5	2.5
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]					
VOCs							
1,1,1-Trichloroethane	71-55-6	680	4.4 U	3.6 U	3.5 U	10 U	4.2 U
1,1,2,2-Tetrachloroethane	79-34-5	NC	4.4 U	3.6 U	3.5 U	10 U	4.2 U
1,1,2-Trichloroethane	79-00-5	NC	4.4 U	3.6 U	3.5 U	10 U	4.2 U
1,1-Dichloroethane	75-34-3	270	4.4 U	3.6 U	3.5 U	10 U	4.2 U
1,1-Dichloroethene	75-35-4	330	4.4 U	3.6 U	3.5 U	10 U	4.2 U
1,2,3-Trichlorobenzene	87-61-6	NC	4.4 U	3.6 U	3.5 U	10 U	4.2 U
1,2,4-Trichlorobenzene	120-82-1	NC	4.4 U	3.6 U	3.5 U	10 U	4.2 U
1,2,4-Trimethylbenzene	95-63-6	3,600	4.4 U	3.6 U	3.5 U	10 U	4.2 U
1,2-Dibromo-3-chloropropane	96-12-8	NC	4.4 UJ	3.6 U	3.5 U	10 U	4.2 U
1,2-Dibromoethane	106-93-4	NC	4.4 U	3.6 U	3.5 U	10 U	4.2 U
1,2-Dichlorobenzene	95-50-1	1,100	4.4 U	3.6 U	3.5 U	10 U	4.2 U
1,2-Dichloroethane	107-06-2	20	4.4 U	3.6 U	3.5 U	10 U	4.2 U
1,2-Dichloropropane	78-87-5	NC	4.4 U	3.6 U	3.5 U	10 U	4.2 U
1,3,5-Trimethylbenzene	108-67-8	8,400	4.4 U	3.6 U	3.5 U	10 U	4.2 U
1,3-Dichlorobenzene	541-73-1	2,400	4.4 U	3.6 U	3.5 U	10 U	4.2 U
1,4-Dichlorobenzene	106-46-7	1,800	4.4 U	3.6 U	3.5 U	10 U	4.2 U
1,4-Dioxane	123-91-1	100	88 R	72 U	70 R	200 R	83 R
2-Butanone	78-93-3	120	4.4 U	4	4.8	10 U	4.2 U
2-Hexanone	591-78-6	NC	4.4 U	3.6 U	3.5 U	10 U	4.2 U
4-Isopropyltoluene	99-87-6	NC	4.4 U	3.6 U	3.5 U	10 U	4.2 U
4-Methyl-2-Pentanone	108-10-1	NC	4.4 U	3.6 U	3.5 U	10 U	4.2 U
Acetone	67-64-1	50	4.4 U	22 J	23	10 UJ	4.2 U
Benzene	71-43-2	60	4.4 U	3.6 U	3.5 U	10 U	4.2 U
Bromochloromethane	74-97-5	NC	4.4 U	3.6 U	3.5 U	10 U	4.2 U
Bromodichloromethane	75-27-4	NC	4.4 U	3.6 U	3.5 U	10 U	4.2 U
Bromoform	75-25-2	NC	4.4 U	3.6 U	3.5 U	10 U	4.2 U
Bromomethane	74-83-9	NC	4.4 UJ	3.6 U	3.5 U	10 U	4.2 U
Carbon disulfide	75-15-0	NC	4.4 U	3.6 U	3.5 U	10 U	4.2 U
Carbon Tetrachloride	56-23-5	760	4.4 U	3.6 U	3.5 U	10 U	4.2 U
Chlorobenzene	108-90-7	1,100	4.4 U	3.6 U	3.5 U	10 U	4.2 U
Chloroethane	75-00-3	NC	4.4 UJ	3.6 U	3.5 U	10 U	4.2 U
Chloroform	67-66-3	370	4.4 U	3.6 U	3.5 U	10 U	4.2 U
Chloromethane	74-87-3	NC	4.4 U	3.6 U	3.5 U	10 U	4.2 U
cis-1,2-Dichloroethene	156-59-2	250	4.4 U	3.6 U	3.5 U	10 U	4.2 U
Cis-1,3-Dichloropropene	10061-01-5	NC	4.4 U	3.6 U	3.5 U	10 U	4.2 U
Cyclohexane	110-82-7	NC	4.4 U	3.6 U	3.5 U	10 U	4.2 U
Dibromochloromethane	124-48-1	NC	4.4 U	3.6 U	3.5 U	10 U	4.2 U
Dichlorodifluoromethane	75-71-8	NC	4.4 U	3.6 U	3.5 U	10 U	4.2 U
Ethylbenzene	100-41-4	1,000	4.4 U	3.6 U	3.5 U	10 U	4.2 U
Isopropylbenzene	98-82-8	NC	4.4 U	3.6 U	3.5 U	10 U	4.2 U
m,p-xylene	XYLMP	See Total Xylenes	8.8 U	7.2 U	7 U	20 U	8.3 U
Methyl Acetate	79-20-9	NC	4.4 U	3.6 U	3.5 U	10 U	4.2 U
Methylcyclohexane	108-87-2	NC	4.4 U	3.6 U	3.5 U	10 U	4.2 U
Methylene Chloride	75-09-2	50	4.4 U	3.6 U	3.5 U	10 U	4.2 U
MTBE	1634-04-4	930	4.4 U	3.6 U	3.5 U	10 U	4.2 U
n-Butylbenzene	104-51-8	12,000	4.4 U	3.6 U	3.5 U	10 U	4.2 U
n-Propylbenzene	103-65-1	3,900	4.4 U	3.6 U	3.5 U	10 U	4.2 U
o-Xylene	95-47-6	See Total Xylenes	4.4 U	3.6 U	3.5 U	10 U	4.2 U
sec-Butylbenzene	135-98-8	11,000	4.4 U	3.6 U	3.5 U	10 U	4.2 U
Styrene	100-42-5	NC	4.4 U	3.6 U	3.5 U	10 U	4.2 U
Tert-Butylbenzene	98-06-6	5,900	4.4 U	3.6 U	3.5 U	10 U	4.2 U
Tetrachloroethene	127-18-4	1,300	4.4 U	3.6 U	3.5 U	10 U	4.2 U
Toluene	108-88-3	700	4.4 U	3.6 U	3.5 U	10 U	4.2 U
trans-1,2-Dichloroethene	156-60-5	190	4.4 U	3.6 U	3.5 U	10 U	4.2 U
Trans-1,3-Dichloropropene	10061-02-6	NC	4.4 U	3.6 U	3.5 U	10 U	4.2 U
Trichloroethene	79-01-6	470	4.4 U	3.6 U	3.5 U	10 U	4.2 U
Trichlorofluoromethane	75-69-4	NC	4.4 U	3.6 U	3.5 U	10 U	4.2 U
Trichlorotrifluoroethane	26523-64-8	NC	4.4 U	3.6 U	3.5 U	10 U	4.2 U
Vinyl Chloride	75-01-4	20	4.4 U	3.6 U	3.5 U	10 U	4.2 U
Total Xylenes	NA	330	NA	0	0	0	0
TOTAL VOC TICs	NA	NC	NT	0	0	0	0

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.

[BB] = Sample locations where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 9A - Subsurface Soil Results Compared to Unrestricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SB-115	SB-116	SB-117	SB-117	SB-118
		Sample ID	SB-115-5.6-6.7-030216	SB-116-5.7-6.5-030216	DUP-003-030216	SB-117-5.9-7-030216	SB-118-7-7.4-030216
		Sample Date	3/2/2016	3/2/2016	3/2/2016	3/2/2016	3/2/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	R1601741	R1601741	R1601741	R1601741	R1601741
		Start Depth	5.6	5.7	5.9	5.9	7
		End Depth	6.7	6.5	7	7	7.4
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]					
VOCs							
1,1,1-Trichloroethane	71-55-6	680	3.7 U	270 U	3.8 U	3.8 U	3.3 U
1,1,2,2-Tetrachloroethane	79-34-5	NC	3.7 U	270 U	3.8 U	3.8 U	3.3 U
1,1,2-Trichloroethane	79-00-5	NC	3.7 U	270 U	3.8 U	3.8 U	3.3 U
1,1-Dichloroethane	75-34-3	270	3.7 U	270 U	3.8 U	3.8 U	3.3 U
1,1-Dichloroethene	75-35-4	330	3.7 U	270 U	3.8 U	3.8 U	3.3 U
1,2,3-Trichlorobenzene	87-61-6	NC	3.7 U	270 U	3.8 U	3.8 U	3.3 U
1,2,4-Trichlorobenzene	120-82-1	NC	3.7 U	270 U	3.8 U	3.8 U	3.3 U
1,2,4-Trimethylbenzene	95-63-6	3,600	7.8	270 U	3.8 U	0.87 J	3.3 U
1,2-Dibromo-3-chloropropane	96-12-8	NC	3.7 U	270 U	3.8 U	3.8 U	3.3 U
1,2-Dibromoethane	106-93-4	NC	3.7 U	270 U	3.8 U	3.8 U	3.3 U
1,2-Dichlorobenzene	95-50-1	1,100	3.7 U	270 U	3.8 U	3.8 U	3.3 U
1,2-Dichloroethane	107-06-2	20	3.7 U	270 U	3.8 U	3.8 U	3.3 U
1,2-Dichloropropane	78-87-5	NC	3.7 U	270 U	3.8 U	3.8 U	3.3 U
1,3,5-Trimethylbenzene	108-67-8	8,400	6.6	270 U	3.8 U	3.8 U	3.3 U
1,3-Dichlorobenzene	541-73-1	2,400	3.7 U	270 U	3.8 U	3.8 U	3.3 U
1,4-Dichlorobenzene	106-46-7	1,800	3.7 U	270 U	3.8 U	3.8 U	3.3 U
1,4-Dioxane	123-91-1	100	74 R	5400 R	75 R	77 R	67 R
2-Butanone	78-93-3	120	30	270 U	14	9	3.7
2-Hexanone	591-78-6	NC	3.7 U	67 J	3.8 U	3.8 U	3.3 U
4-Isopropyltoluene	99-87-6	NC	0.89 J	270 U	3.8 U	3.8 U	3.3 U
4-Methyl-2-Pentanone	108-10-1	NC	3.7 U	270 U	3.8 U	3.8 U	3.3 U
Acetone	67-64-1	50	100	270 U	52	38	30
Benzene	71-43-2	60	0.37 J	270 U	0.47 J	0.95 J	3.3 U
Bromochloromethane	74-97-5	NC	3.7 U	270 U	3.8 U	3.8 U	3.3 U
Bromodichloromethane	75-27-4	NC	3.7 U	270 U	3.8 U	3.8 U	3.3 U
Bromoform	75-25-2	NC	3.7 U	270 U	3.8 U	3.8 U	3.3 U
Bromomethane	74-83-9	NC	3.7 UJ	270 U	3.8 U	3.8 U	3.3 U
Carbon disulfide	75-15-0	NC	1.9 J	270 U	5.1	8.1	3.3 U
Carbon Tetrachloride	56-23-5	760	3.7 U	270 U	3.8 U	3.8 U	3.3 U
Chlorobenzene	108-90-7	1,100	3.7 U	270 U	3.8 U	3.8 U	3.3 U
Chloroethane	75-00-3	NC	3.7 U	270 U	3.8 U	3.8 U	3.3 U
Chloroform	67-66-3	370	3.7 U	270 U	3.8 U	3.8 U	3.3 U
Chloromethane	74-87-3	NC	3.7 U	270 U	3.8 U	3.8 U	0.44 J
cis-1,2-Dichloroethene	156-59-2	250	3.7 U	270 U	3.8 U	3.8 U	3.3 U
Cis-1,3-Dichloropropene	10061-01-5	NC	3.7 U	270 U	3.8 U	3.8 U	3.3 U
Cyclohexane	110-82-7	NC	18	270 U	1.7 J	4.1	3.3 U
Dibromochloromethane	124-48-1	NC	3.7 U	270 U	3.8 U	3.8 U	3.3 U
Dichlorodifluoromethane	75-71-8	NC	3.7 U	270 U	3.8 U	3.8 U	3.3 U
Ethylbenzene	100-41-4	1,000	15	270 U	3.8 U	0.21 J	3.3 U
Isopropylbenzene	98-82-8	NC	5.2	270 U	3.8 U	3.8 U	3.3 U
m,p-xylene	XYLMP	See Total Xylenes	6 J	540 U	7.5 U	1.6 J	6.7 U
Methyl Acetate	79-20-9	NC	3.7 U	270 U	14	8.5	9.8
Methylcyclohexane	108-87-2	NC	200 J	270 U	1.4 J	4	3.3 U
Methylene Chloride	75-09-2	50	3.7 U	270 U	3.8 U	3.8 U	3.3 U
MTBE	1634-04-4	930	3.7 U	270 U	3.8 U	3.8 U	3.3 U
n-Butylbenzene	104-51-8	12,000	1.3 J	270 U	3.8 U	3.8 U	3.3 U
n-Propylbenzene	103-65-1	3,900	3.7 U	270 U	3.8 U	3.8 U	3.3 U
o-Xylene	95-47-6	See Total Xylenes	3.6 J	270 U	3.8 U	0.44 J	3.3 U
sec-Butylbenzene	135-98-8	11,000	3.7 U	270 U	3.8 U	3.8 U	3.3 U
Styrene	100-42-5	NC	0.82 J	270 U	3.8 U	3.8 U	3.3 U
Tert-Butylbenzene	98-06-6	5,900	3.7 U	270 U	3.8 U	3.8 U	3.3 U
Tetrachloroethene	127-18-4	1,300	3.7 U	270 U	3.8 U	3.8 U	3.3 U
Toluene	108-88-3	700	1.4 J	270 U	1.2 J	1.9 J	3.3 U
trans-1,2-Dichloroethene	156-60-5	190	3.7 U	270 U	3.8 U	3.8 U	3.3 U
Trans-1,3-Dichloropropene	10061-02-6	NC	3.7 U	270 U	3.8 U	3.8 U	3.3 U
Trichloroethene	79-01-6	470	3.7 U	270 U	3.8 U	3.8 U	3.3 U
Trichlorofluoromethane	75-69-4	NC	3.7 U	270 U	3.8 U	3.8 U	3.3 U
Trichlorotrifluoroethane	26523-64-8	NC	3.7 U	270 U	3.8 U	3.8 U	3.3 U
Vinyl Chloride	75-01-4	20	3.7 U	270 U	3.8 U	3.8 U	3.3 U
Total Xylenes	NA	330	9.6	0	0	2.04	0
TOTAL VOC TICs	NA	NC	1,873	5,480	229.5	214.7	3.6

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.

[BB] = Sample locations where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 9A - Subsurface Soil Results Compared to Unrestricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SB-119	SB-120	SB-121	SB-122	SB-124
		Sample ID	SB-119-4.5-6-031116	SB-120-6.5-7.4-031416	SB-121-2-2.5-031416	SB-122-7-8-022916	SB-124-8-9-031116
		Sample Date	3/11/2016	3/14/2016	3/14/2016	2/29/2016	3/11/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	R1602239	R1602239	R1602239	R1601741	R1602239
		Start Depth	4.5	6.5	2	7	8
		End Depth	6	7.4	2.5	8	9
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]					
VOCs							
1,1,1-Trichloroethane	71-55-6	680	1.7 U	4 U	12 UJ	3.1 U	160 U
1,1,2,2-Tetrachloroethane	79-34-5	NC	1.7 U	4 U	12 R	3.1 U	160 U
1,1,2-Trichloroethane	79-00-5	NC	1.7 U	4 U	12 UJ	3.1 U	160 U
1,1-Dichloroethane	75-34-3	270	1.7 U	4 U	12 UJ	3.1 U	160 U
1,1-Dichloroethene	75-35-4	330	1.7 U	4 U	12 UJ	3.1 U	160 U
1,2,3-Trichlorobenzene	87-61-6	NC	1.7 U	4 U	12 R	3.1 U	160 U
1,2,4-Trichlorobenzene	120-82-1	NC	1.7 U	4 U	12 R	3.1 U	160 U
1,2,4-Trimethylbenzene	95-63-6	3,600	1.7 U	4 U	3.3 J	3.1 U	48 J
1,2-Dibromo-3-chloropropane	96-12-8	NC	1.7 U	4 U	12 R	3.1 U	160 U
1,2-Dibromoethane	106-93-4	NC	1.7 U	4 U	12 UJ	3.1 U	160 U
1,2-Dichlorobenzene	95-50-1	1,100	1.7 U	4 U	12 R	3.1 U	160 U
1,2-Dichloroethane	107-06-2	20	1.7 U	4 U	12 UJ	3.1 U	160 U
1,2-Dichloropropane	78-87-5	NC	1.7 U	4 U	12 UJ	3.1 U	160 U
1,3,5-Trimethylbenzene	108-67-8	8,400	1.7 U	4 U	12 R	3.1 U	160 U
1,3-Dichlorobenzene	541-73-1	2,400	1.7 U	4 U	12 R	3.1 U	160 U
1,4-Dichlorobenzene	106-46-7	1,800	1.7 U	4 U	12 R	3.1 U	160 U
1,4-Dioxane	123-91-1	100	33 R	80 R	240 R	62 R	3200 R
2-Butanone	78-93-3	120	1.7 U	6.7	46 J	3.1 U	160 U
2-Hexanone	591-78-6	NC	1.7 U	4 U	12 UJ	3.1 U	160 U
4-Isopropyltoluene	99-87-6	NC	1.7 U	4 U	12 R	3.1 U	160 U
4-Methyl-2-Pentanone	108-10-1	NC	1.7 U	4 U	12 UJ	3.1 U	160 U
Acetone	67-64-1	50	1.7 U	20	210 J	3.1 U	160 U
Benzene	71-43-2	60	1.7 U	0.3 J	0.97 J	3.1 U	160 U
Bromochloromethane	74-97-5	NC	1.7 U	4 U	12 UJ	3.1 U	160 U
Bromodichloromethane	75-27-4	NC	1.7 U	4 U	12 UJ	3.1 U	160 U
Bromoform	75-25-2	NC	1.7 U	4 U	12 UJ	3.1 U	160 U
Bromomethane	74-83-9	NC	1.7 U	4 U	12 UJ	3.1 U	160 U
Carbon disulfide	75-15-0	NC	1.7 U	4 U	12 UJ	3.1 U	160 U
Carbon Tetrachloride	56-23-5	760	1.7 U	4 U	12 UJ	3.1 U	160 U
Chlorobenzene	108-90-7	1,100	1.7 U	4 U	12 UJ	3.1 U	160 U
Chloroethane	75-00-3	NC	1.7 U	4 U	12 UJ	3.1 U	160 U
Chloroform	67-66-3	370	1.7 U	4 U	12 UJ	3.1 U	160 U
Chloromethane	74-87-3	NC	1.7 U	4 U	12 UJ	3.1 U	160 U
cis-1,2-Dichloroethene	156-59-2	250	1.7 U	4 U	12 UJ	3.1 U	160 U
Cis-1,3-Dichloropropene	10061-01-5	NC	1.7 U	4 U	12 UJ	3.1 U	160 U
Cyclohexane	110-82-7	NC	1.7 U	4 U	7.8 J	3.1 U	160 U
Dibromochloromethane	124-48-1	NC	1.7 U	4 U	12 UJ	3.1 U	160 U
Dichlorodifluoromethane	75-71-8	NC	1.7 U	4 U	12 UJ	3.1 U	160 U
Ethylbenzene	100-41-4	1,000	1.7 U	4 U	0.9 J	3.1 U	160 U
Isopropylbenzene	98-82-8	NC	1.7 U	4 U	12 UJ	3.1 U	160 U
m,p-xylene	XYLMP	See Total Xylenes	3.3 U	8 U	11 J	6.2 U	320 U
Methyl Acetate	79-20-9	NC	1.7 U	4 U	12 UJ	3.1 U	160 U
Methylcyclohexane	108-87-2	NC	1.7 U	4 U	19 J	3.1 U	160 U
Methylene Chloride	75-09-2	50	1.7 U	4 U	12 UJ	3.1 U	160 U
MTBE	1634-04-4	930	1.7 U	4 U	12 UJ	3.1 U	160 U
n-Butylbenzene	104-51-8	12,000	1.7 U	4 U	12 R	3.1 U	160 U
n-Propylbenzene	103-65-1	3,900	1.7 U	4 U	12 R	3.1 U	160 U
o-Xylene	95-47-6	See Total Xylenes	1.7 U	4 U	3.4 J	3.1 U	160 U
sec-Butylbenzene	135-98-8	11,000	1.7 U	4 U	12 R	3.1 U	160 U
Styrene	100-42-5	NC	1.7 U	4 U	12 UJ	3.1 U	160 U
Tert-Butylbenzene	98-06-6	5,900	1.7 U	4 U	12 R	3.1 U	34 J
Tetrachloroethene	127-18-4	1,300	1.7 U	4 U	12 UJ	3.1 U	160 U
Toluene	108-88-3	700	1.7 U	4 U	4.9 J	3.1 U	160 U
trans-1,2-Dichloroethene	156-60-5	190	1.7 U	4 U	12 UJ	3.1 U	160 U
Trans-1,3-Dichloropropene	10061-02-6	NC	1.7 U	4 U	12 UJ	3.1 U	160 U
Trichloroethene	79-01-6	470	1.7 U	4 U	12 UJ	3.1 U	160 U
Trichlorofluoromethane	75-69-4	NC	1.7 U	4 U	12 UJ	3.1 U	160 U
Trichlorotrifluoroethane	26523-64-8	NC	1.7 U	4 U	12 UJ	3.1 U	160 U
Vinyl Chloride	75-01-4	20	1.7 U	4 U	12 UJ	3.1 U	160 U
Total Xylenes	NA	330	0	0	14.4	0	0
TOTAL VOC TICs	NA	NC	0	104.7	89	0	5,780

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.

[BB] = Sample locations where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 9A - Subsurface Soil Results Compared to Unrestricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SB-125	SB-127	SB-129	SB-130	SB-131
		Sample ID	SB-125-5-7-031416	SB-127-10-11-031116	SB-129-4.6-6.6-031516	SB-130-4-4.5-042216	SB-131-8-10-031116
		Sample Date	3/14/2016	3/11/2016	3/15/2016	4/22/2016	3/11/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	R1602239	R1602239	R1602333	R1603557	R1602239
		Start Depth	5	10	4.6	4	8
		End Depth	7	11	6.6	4.5	10
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]					
VOCs							
1,1,1-Trichloroethane	71-55-6	680	4 U	2.5 UJ	2,100 U	4.3 U	2.2 U
1,1,2,2-Tetrachloroethane	79-34-5	NC	4 U	2.5 UJ	2,100 U	4.3 UJ	2.2 U
1,1,2-Trichloroethane	79-00-5	NC	4 U	2.5 UJ	2,100 U	4.3 U	2.2 U
1,1-Dichloroethane	75-34-3	270	4 U	2.5 UJ	2,100 U	4.3 U	4
1,1-Dichloroethene	75-35-4	330	4 U	2.5 UJ	2,100 U	4.3 U	2.2 U
1,2,3-Trichlorobenzene	87-61-6	NC	4 U	2.5 UJ	2,100 U	4.3 UJ	2.2 U
1,2,4-Trichlorobenzene	120-82-1	NC	4 U	2.5 UJ	2,100 U	4.3 UJ	2.2 U
1,2,4-Trimethylbenzene	95-63-6	3,600	4 U	2.5 UJ	430 J	4.3 UJ	2.2 U
1,2-Dibromo-3-chloropropane	96-12-8	NC	4 U	2.5 UJ	2,100 UJ	4.3 UJ	2.2 U
1,2-Dibromoethane	106-93-4	NC	4 U	2.5 UJ	2,100 U	4.3 U	2.2 U
1,2-Dichlorobenzene	95-50-1	1,100	4 U	2.5 UJ	2,100 U	4.3 UJ	2.2 U
1,2-Dichloroethane	107-06-2	20	4 U	2.5 UJ	2,100 U	4.3 U	2.2 U
1,2-Dichloropropane	78-87-5	NC	4 U	2.5 UJ	2,100 U	4.3 U	2.2 U
1,3,5-Trimethylbenzene	108-67-8	8,400	4 U	2.5 UJ	2,100 U	4.3 UJ	2.2 U
1,3-Dichlorobenzene	541-73-1	2,400	4 U	2.5 UJ	2,100 U	4.3 UJ	2.2 U
1,4-Dichlorobenzene	106-46-7	1,800	4 U	2.5 UJ	2,100 U	4.3 UJ	2.2 U
1,4-Dioxane	123-91-1	100	79 R	50 R	43,000 R	86 R	44 R
2-Butanone	78-93-3	120	12	1.7 J	2,100 U	4.7	1.6 J
2-Hexanone	591-78-6	NC	4 U	2.5 UJ	2,100 U	4.3 U	2.2 U
4-Isopropyltoluene	99-87-6	NC	4 U	2.5 UJ	2,100 U	4.3 UJ	2.2 U
4-Methyl-2-Pentanone	108-10-1	NC	4 U	2.5 UJ	2,100 U	4.3 U	2.2 U
Acetone	67-64-1	50	44 J	8.5 J	2,100 U	17	9.6
Benzene	71-43-2	60	4 U	2.5 UJ	2,100 U	4.3 U	0.36 J
Bromochloromethane	74-97-5	NC	4 U	2.5 UJ	2,100 U	4.3 U	2.2 U
Bromodichloromethane	75-27-4	NC	4 U	2.5 UJ	2,100 U	4.3 U	2.2 U
Bromoform	75-25-2	NC	4 U	2.5 UJ	2,100 U	4.3 U	2.2 U
Bromomethane	74-83-9	NC	4 U	2.5 UJ	2,100 UJ	4.3 U	2.2 U
Carbon disulfide	75-15-0	NC	4 U	2.5 UJ	2,100 U	4.3 U	2.2 U
Carbon Tetrachloride	56-23-5	760	4 U	2.5 UJ	2,100 U	4.3 U	2.2 U
Chlorobenzene	108-90-7	1,100	4 U	2.5 UJ	2,100 U	4.3 U	2.2 U
Chloroethane	75-00-3	NC	4 U	2.5 UJ	2,100 U	4.3 U	2.2 U
Chloroform	67-66-3	370	4 U	2.5 UJ	2,100 U	4.3 U	2.2 U
Chloromethane	74-87-3	NC	4 U	2.5 UJ	2,100 U	4.3 U	2.2 U
cis-1,2-Dichloroethene	156-59-2	250	4 U	2.5 UJ	2,100 U	4.3 U	2.2 U
Cis-1,3-Dichloropropene	10061-01-5	NC	4 U	2.5 UJ	2,100 U	4.3 U	2.2 U
Cyclohexane	110-82-7	NC	4 U	2.5 UJ	2,100 U	3.3 J	2.2 U
Dibromochloromethane	124-48-1	NC	4 U	2.5 UJ	2,100 U	4.3 U	2.2 U
Dichlorodifluoromethane	75-71-8	NC	4 U	2.5 UJ	2,100 U	4.3 U	2.2 U
Ethylbenzene	100-41-4	1,000	4 U	2.5 UJ	2,100 U	4.3 U	2.2 U
Isopropylbenzene	98-82-8	NC	4 U	2.5 UJ	2,100 U	4.3 U	2.2 U
m,p-xylene	XYLMP	See Total Xylenes	7.9 U	5 UJ	4,300 U	8.6 U	4.4 U
Methyl Acetate	79-20-9	NC	4 U	2.5 UJ	2,100 U	4.3 U	2.2 U
Methylcyclohexane	108-87-2	NC	15 J	6.8 J	1,600 J	17	18
Methylene Chloride	75-09-2	50	4 U	2.5 UJ	2,100 U	4.3 U	2.2 U
MTBE	1634-04-4	930	4 U	2.5 UJ	2,100 U	4.3 U	2.2 U
n-Butylbenzene	104-51-8	12,000	4 U	0.6 J	2,100 U	4.3 UJ	2.2 U
n-Propylbenzene	103-65-1	3,900	4 U	2.5 UJ	2,100 U	4.3 UJ	2.2 U
o-Xylene	95-47-6	See Total Xylenes	4 U	2.5 UJ	2,100 U	4.3 U	2.2 U
sec-Butylbenzene	135-98-8	11,000	4 U	2.7 J	2,100 U	4.3 UJ	0.78 J
Styrene	100-42-5	NC	4 U	2.5 UJ	2,100 U	4.3 U	2.2 U
Tert-Butylbenzene	98-06-6	5,900	4 U	1.2 J	2,100 U	0.63 J	1.2 J
Tetrachloroethene	127-18-4	1,300	4 U	2.5 UJ	2,100 U	4.3 U	2.2 U
Toluene	108-88-3	700	4 U	2.5 UJ	2,100 U	4.3 U	2.2 U
trans-1,2-Dichloroethene	156-60-5	190	4 U	2.5 UJ	2,100 U	4.3 U	2.2 U
Trans-1,3-Dichloropropene	10061-02-6	NC	4 U	2.5 UJ	2,100 U	4.3 U	2.2 U
Trichloroethene	79-01-6	470	4 U	2.5 UJ	2,100 U	4.3 U	2.2 U
Trichlorofluoromethane	75-69-4	NC	4 U	2.5 UJ	2,100 U	4.3 U	2.2 U
Trichlorotrifluoroethane	26523-64-8	NC	4 U	2.5 UJ	2,100 U	4.3 U	2.2 U
Vinyl Chloride	75-01-4	20	4 U	2.5 UJ	2,100 U	4.3 UJ	2.2 U
Total Xylenes	NA	330	0	0	0	0	0
TOTAL VOC TICs	NA	NC	252	326	115,800	1,098	680

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.

[BB] = Sample locations where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 9A - Subsurface Soil Results Compared to Unrestricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SB-133	SB-134	SB-135	SB-136	SB-137
		Sample ID	SB-133-4.5-5-041416	SB-134-10-11-031516	SB-135-8-9-041516	SB-136-5-7-031116	SB-137-6-8-031116
		Sample Date	4/14/2016	3/15/2016	4/15/2016	3/11/2016	3/11/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	R1603557	R1602333	R1603557	R1602239	R1602239
		Start Depth	4.5	10	8	5	6
		End Depth	5	11	9	7	8
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]					
VOCs							
1,1,1-Trichloroethane	71-55-6	680	5.3 U	150 U	3.9 U	170 U	170 U
1,1,2,2-Tetrachloroethane	79-34-5	NC	5.3 UJ	150 U	3.9 UJ	170 U	170 U
1,1,2-Trichloroethane	79-00-5	NC	5.3 U	150 U	3.9 UJ	170 U	170 U
1,1-Dichloroethane	75-34-3	270	5.3 U	150 U	3.9 U	170 U	170 U
1,1-Dichloroethene	75-35-4	330	5.3 U	150 U	3.9 U	170 U	170 U
1,2,3-Trichlorobenzene	87-61-6	NC	5.3 UJ	150 U	3.9 UJ	170 U	170 U
1,2,4-Trichlorobenzene	120-82-1	NC	5.3 UJ	150 U	3.9 UJ	170 U	170 U
1,2,4-Trimethylbenzene	95-63-6	3,600	5.3 UJ	150 U	3.9 UJ	170 U	170 U
1,2-Dibromo-3-chloropropane	96-12-8	NC	5.3 UJ	150 UJ	3.9 UJ	170 U	170 U
1,2-Dibromoethane	106-93-4	NC	5.3 UJ	150 U	3.9 UJ	170 U	170 U
1,2-Dichlorobenzene	95-50-1	1,100	5.3 UJ	150 U	3.9 UJ	170 U	170 U
1,2-Dichloroethane	107-06-2	20	5.3 U	150 U	3.9 UJ	170 U	170 U
1,2-Dichloropropane	78-87-5	NC	5.3 U	150 U	3.9 U	170 U	170 U
1,3,5-Trimethylbenzene	108-67-8	8,400	5.3 UJ	150 U	3.9 UJ	170 U	170 U
1,3-Dichlorobenzene	541-73-1	2,400	5.3 UJ	150 U	3.9 UJ	170 U	170 U
1,4-Dichlorobenzene	106-46-7	1,800	5.3 UJ	150 U	3.9 UJ	170 U	170 U
1,4-Dioxane	123-91-1	100	110 R	2,900 R	78 R	3,300 R	3,500 R
2-Butanone	78-93-3	120	77	150 U	29 J	170 U	170 U
2-Hexanone	591-78-6	NC	5.3 UJ	150 U	3.9 U	170 U	170 U
4-Isopropyltoluene	99-87-6	NC	5.3 UJ	150 U	3.9 UJ	170 U	170 U
4-Methyl-2-Pentanone	108-10-1	NC	5.3 U	150 U	3.9 U	170 U	170 U
Acetone	67-64-1	50	200 J	150 U	81 J	170 U	170 U
Benzene	71-43-2	60	5.3 U	150 U	3.9 U	170 U	170 U
Bromochloromethane	74-97-5	NC	5.3 U	150 U	3.9 UJ	170 U	170 U
Bromodichloromethane	75-27-4	NC	5.3 U	150 U	3.9 U	170 U	170 U
Bromoform	75-25-2	NC	5.3 UJ	150 U	3.9 U	170 U	170 U
Bromomethane	74-83-9	NC	5.3 U	150 UJ	3.9 U	170 U	170 U
Carbon disulfide	75-15-0	NC	5.3 J	150 U	1.3 J	170 U	170 U
Carbon Tetrachloride	56-23-5	760	5.3 U	150 U	3.9 U	170 U	170 U
Chlorobenzene	108-90-7	1,100	5.3 UJ	150 U	3.9 U	170 U	170 U
Chloroethane	75-00-3	NC	5.3 U	150 U	3.9 U	170 U	170 U
Chloroform	67-66-3	370	5.3 U	150 U	3.9 U	170 U	170 U
Chloromethane	74-87-3	NC	5.3 U	150 U	3.9 U	170 U	170 U
cis-1,2-Dichloroethene	156-59-2	250	5.3 U	150 U	3.9 UJ	170 U	170 U
Cis-1,3-Dichloropropene	10061-01-5	NC	5.3 U	150 U	3.9 U	170 U	170 U
Cyclohexane	110-82-7	NC	4.1 J	150 U	23 J	170 U	190
Dibromochloromethane	124-48-1	NC	5.3 UJ	150 U	3.9 U	170 U	170 U
Dichlorodifluoromethane	75-71-8	NC	5.3 U	150 U	3.9 U	170 U	170 U
Ethylbenzene	100-41-4	1,000	5.3 UJ	150 U	3.9 U	170 U	170 U
Isopropylbenzene	98-82-8	NC	5.3 UJ	150 U	3.9 U	170 U	170 U
m,p-xylene	XYLMP	See Total Xylenes	11 UJ	290 U	7.8 U	330 U	350 U
Methyl Acetate	79-20-9	NC	5.3 U	150 U	3.9 U	170 U	170 U
Methylcyclohexane	108-87-2	NC	170	150 UJ	100 J	170 U	170 U
Methylene Chloride	75-09-2	50	5.3 U	150 U	3.9 UJ	170 U	170 U
MTBE	1634-04-4	930	5.3 U	150 U	3.9 U	170 U	170 U
n-Butylbenzene	104-51-8	12,000	5.3 UJ	150 U	3.9 UJ	170 U	170 U
n-Propylbenzene	103-65-1	3,900	5.3 UJ	150 U	3.9 UJ	170 U	170 U
o-Xylene	95-47-6	See Total Xylenes	1.5 J	150 U	3.9 U	170 U	170 U
sec-Butylbenzene	135-98-8	11,000	5.3 UJ	150 U	3.9 UJ	170 U	170 U
Styrene	100-42-5	NC	5.3 UJ	150 U	3.9 U	170 U	170 U
Tert-Butylbenzene	98-06-6	5,900	11 J	150 U	14 J	170 U	38 J
Tetrachloroethene	127-18-4	1,300	5.3 UJ	150 U	3.9 U	170 U	170 U
Toluene	108-88-3	700	5.3 U	150 U	3.9 U	170 U	170 U
trans-1,2-Dichloroethene	156-60-5	190	5.3 U	150 U	3.9 U	170 U	170 U
Trans-1,3-Dichloropropene	10061-02-6	NC	5.3 U	150 U	3.9 U	170 U	170 U
Trichloroethene	79-01-6	470	5.3 U	150 U	3.9 U	170 U	170 U
Trichlorofluoromethane	75-69-4	NC	5.3 U	150 U	3.9 U	170 U	170 U
Trichlorotrifluoroethane	26523-64-8	NC	5.3 UJ	150 U	3.9 UJ	170 U	170 U
Vinyl Chloride	75-01-4	20	5.3 U	150 U	3.9 U	170 U	170 U
Total Xylenes	NA	330	1.5	0	0	0	0
TOTAL VOC TICs	NA	NC	4,790	810	1,512	4,140	19,100

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.

[BB] = Sample locations where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 9A - Subsurface Soil Results Compared to Unrestricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SB-138	SB-139	SB-141	SB-142	SB-143[BB]
		Sample ID	SB-138-4-4.8-030116	SB-139-8-9.7-030116	SB-141-7-8-030116	SB-142-11-12-030116	SB-143-3-4-030116
		Sample Date	3/1/2016	3/1/2016	3/1/2016	3/1/2016	3/1/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	R1601741	R1601741	R1601741	R1601741	R1601741
		Start Depth	4	8	7	11	3
		End Depth	4.8	9.7	8	12	4
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]					
VOCs							
1,1,1-Trichloroethane	71-55-6	680	950 U	4.1 U	170 U	170 U	7.7 U
1,1,2,2-Tetrachloroethane	79-34-5	NC	950 U	4.1 U	170 U	170 U	7.7 U
1,1,2-Trichloroethane	79-00-5	NC	950 U	4.1 U	170 U	170 U	7.7 U
1,1-Dichloroethane	75-34-3	270	950 U	4.1 U	170 U	170 U	7.7 U
1,1-Dichloroethene	75-35-4	330	950 U	4.1 U	170 U	170 U	7.7 U
1,2,3-Trichlorobenzene	87-61-6	NC	950 U	4.1 U	170 U	170 U	7.7 U
1,2,4-Trichlorobenzene	120-82-1	NC	950 U	4.1 U	170 U	170 U	7.7 U
1,2,4-Trimethylbenzene	95-63-6	3,600	950 U	4.1 U	170 U	170 U	7.7 U
1,2-Dibromo-3-chloropropane	96-12-8	NC	950 U	4.1 U	170 U	170 U	7.7 U
1,2-Dibromoethane	106-93-4	NC	950 U	4.1 U	170 U	170 U	7.7 U
1,2-Dichlorobenzene	95-50-1	1,100	950 U	4.1 U	170 U	170 U	7.7 U
1,2-Dichloroethane	107-06-2	20	950 U	4.1 U	170 U	170 U	7.7 U
1,2-Dichloropropane	78-87-5	NC	950 U	4.1 U	170 U	170 U	7.7 U
1,3,5-Trimethylbenzene	108-67-8	8,400	270 J	4.1 U	170 U	170 U	7.7 U
1,3-Dichlorobenzene	541-73-1	2,400	950 U	4.1 U	170 U	170 U	7.7 U
1,4-Dichlorobenzene	106-46-7	1,800	950 U	4.1 U	170 U	170 U	7.7 U
1,4-Dioxane	123-91-1	100	19,000 R	21 J	3,400 R	3,400 R	150 R
2-Butanone	78-93-3	120	950 U	3.2 J	170 U	170 U	7.7 U
2-Hexanone	591-78-6	NC	950 U	4.1 U	170 U	170 U	7.7 U
4-Isopropyltoluene	99-87-6	NC	950 U	4.1 U	170 U	170 U	7.7 U
4-Methyl-2-Pentanone	108-10-1	NC	950 U	4.1 U	170 U	170 U	7.7 U
Acetone	67-64-1	50	950 U	15	170 U	170 U	5.4 J
Benzene	71-43-2	60	950 U	4.1 U	170 U	170 U	0.77 J
Bromochloromethane	74-97-5	NC	950 U	4.1 U	170 U	170 U	7.7 U
Bromodichloromethane	75-27-4	NC	950 U	4.1 U	170 U	170 U	7.7 U
Bromoform	75-25-2	NC	950 U	4.1 U	170 U	170 U	7.7 U
Bromomethane	74-83-9	NC	950 U	4.1 U	170 U	170 U	7.7 U
Carbon disulfide	75-15-0	NC	950 U	1.1 J	170 U	170 U	7.7 U
Carbon Tetrachloride	56-23-5	760	950 U	4.1 U	170 U	170 U	7.7 U
Chlorobenzene	108-90-7	1,100	950 U	4.1 U	170 U	170 U	7.7 U
Chloroethane	75-00-3	NC	950 U	4.1 U	170 U	170 U	7.7 U
Chloroform	67-66-3	370	950 U	4.1 U	170 U	170 U	7.7 U
Chloromethane	74-87-3	NC	950 U	4.1 U	170 U	170 U	7.7 U
cis-1,2-Dichloroethene	156-59-2	250	950 U	4.1 U	170 U	170 U	7.7 U
Cis-1,3-Dichloropropene	10061-01-5	NC	950 U	4.1 U	170 U	170 U	7.7 U
Cyclohexane	110-82-7	NC	950 U	4.1 U	170 U	170 U	7.7 U
Dibromochloromethane	124-48-1	NC	950 U	4.1 U	170 U	170 U	7.7 U
Dichlorodifluoromethane	75-71-8	NC	950 U	4.1 U	170 U	170 U	7.7 U
Ethylbenzene	100-41-4	1,000	950 U	4.1 U	170 U	170 U	7.7 U
Isopropylbenzene	98-82-8	NC	950 U	4.1 U	170 U	170 U	7.7 U
m,p-xylene	XYLMP	See Total Xylenes	1900 U	8.3 U	340 U	340 U	15 U
Methyl Acetate	79-20-9	NC	950 U	4.1 U	170 U	170 U	7.7 U
Methylcyclohexane	108-87-2	NC	9,500	2.3 J	99 J	79 J	4.5 J
Methylene Chloride	75-09-2	50	950 U	4.1 U	170 U	170 U	7.7 U
MTBE	1634-04-4	930	950 U	4.1 U	170 U	170 U	7.7 U
n-Butylbenzene	104-51-8	12,000	240 J	4.1 U	170 U	170 U	7.7 U
n-Propylbenzene	103-65-1	3,900	950 U	4.1 U	170 U	170 U	7.7 U
o-Xylene	95-47-6	See Total Xylenes	950 U	4.1 U	170 U	170 U	7.7 U
sec-Butylbenzene	135-98-8	11,000	580 J	4.1 U	46 J	170 U	7.7 U
Styrene	100-42-5	NC	950 U	4.1 U	170 U	170 U	7.7 U
Tert-Butylbenzene	98-06-6	5,900	210 J	2.2 J	27 J	170 U	7.7 U
Tetrachloroethene	127-18-4	1,300	950 U	4.1 U	170 U	170 U	7.7 U
Toluene	108-88-3	700	950 U	4.1 U	170 U	170 U	7.7 U
trans-1,2-Dichloroethene	156-60-5	190	950 U	4.1 U	170 U	170 U	7.7 U
Trans-1,3-Dichloropropene	10061-02-6	NC	950 U	4.1 U	170 U	170 U	7.7 U
Trichloroethene	79-01-6	470	950 U	4.1 U	170 U	170 U	7.7 U
Trichlorofluoromethane	75-69-4	NC	950 U	4.1 U	170 U	170 U	7.7 U
Trichlorotrifluoroethane	26523-64-8	NC	950 U	4.1 U	170 U	170 U	7.7 U
Vinyl Chloride	75-01-4	20	950 U	4.1 U	170 U	170 U	7.7 U
Total Xylenes	NA	330	0	0	0	0	0
TOTAL VOC TICs	NA	NC	155,000	118.1	4,090	4,970	24.6

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.

[BB] = Sample locations where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 9A - Subsurface Soil Results Compared to Unrestricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SB-144	SB-145	SB-146	SB-147	SB-148
		Sample ID	SB-144-1-1.8-030116	SB-145-25.4-26.1-030916	SB-146-6-8-030216	SB-147-10-11.4-042216	SB-148-8-9.2-040716
		Sample Date	3/1/2016	3/9/2016	3/2/2016	4/22/2016	4/7/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	R1601741	R1602058	R1601741	R1603557	R1603190
		Start Depth	1	25.4	6	10	8
		End Depth	1.8	26.1	8	11	9.2
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]					
VOCs							
1,1,1-Trichloroethane	71-55-6	680	6 U	3.5 U	4.5 U	2.9 U	3.6 U
1,1,2,2-Tetrachloroethane	79-34-5	NC	6 U	3.5 U	4.5 U	2.9 U	3.6 U
1,1,2-Trichloroethane	79-00-5	NC	6 U	3.5 U	4.5 U	2.9 U	3.6 U
1,1-Dichloroethane	75-34-3	270	6 U	3.5 U	4.5 U	2.9 U	3.6 U
1,1-Dichloroethene	75-35-4	330	6 U	3.5 U	4.5 U	2.9 U	3.6 U
1,2,3-Trichlorobenzene	87-61-6	NC	6 U	3.5 U	4.5 U	2.9 U	3.6 U
1,2,4-Trichlorobenzene	120-82-1	NC	6 U	3.5 U	4.5 U	2.9 U	3.6 U
1,2,4-Trimethylbenzene	95-63-6	3,600	6 U	0.75 J	4.5 U	2.9 U	3.6 U
1,2-Dibromo-3-chloropropane	96-12-8	NC	6 U	3.5 U	4.5 U	2.9 U	3.6 U
1,2-Dibromoethane	106-93-4	NC	6 U	3.5 U	4.5 U	2.9 U	3.6 U
1,2-Dichlorobenzene	95-50-1	1,100	6 U	3.5 U	4.5 U	2.9 U	3.6 U
1,2-Dichloroethane	107-06-2	20	6 U	3.5 U	4.5 U	2.9 U	3.6 U
1,2-Dichloropropane	78-87-5	NC	6 U	3.5 U	4.5 U	2.9 U	3.6 U
1,3,5-Trimethylbenzene	108-67-8	8,400	6 U	3.5 U	4.5 U	2.9 U	3.6 U
1,3-Dichlorobenzene	541-73-1	2,400	6 U	3.5 U	4.5 U	2.9 U	3.6 U
1,4-Dichlorobenzene	106-46-7	1,800	6 U	3.5 U	4.5 U	2.9 U	3.6 U
1,4-Dioxane	123-91-1	100	120 R	70 R	89 R	57 R	72 R
2-Butanone	78-93-3	120	9.5	2.1 J	4.5 U	2.7 J	2.1 J
2-Hexanone	591-78-6	NC	6 U	3.5 U	4.5 U	2.9 U	3.6 U
4-Isopropyltoluene	99-87-6	NC	6 U	3.5 U	4.5 U	2.9 U	3.6 U
4-Methyl-2-Pentanone	108-10-1	NC	6 U	3.5 U	4.5 U	2.9 U	3.6 U
Acetone	67-64-1	50	61	6.5	6.7	8	8.3
Benzene	71-43-2	60	6.9	1.1 J	4.5 U	2.9 U	3.6 U
Bromochloromethane	74-97-5	NC	6 U	3.5 U	4.5 U	2.9 U	3.6 U
Bromodichloromethane	75-27-4	NC	6 U	3.5 U	4.5 U	2.9 U	3.6 U
Bromoform	75-25-2	NC	6 U	3.5 U	4.5 U	2.9 U	3.6 U
Bromomethane	74-83-9	NC	6 U	3.5 UJ	4.5 U	2.9 U	3.6 U
Carbon disulfide	75-15-0	NC	6 U	1.5 J	4.5 U	2.9 U	3.6 U
Carbon Tetrachloride	56-23-5	760	6 U	3.5 U	4.5 U	2.9 U	3.6 U
Chlorobenzene	108-90-7	1,100	6 U	3.5 U	4.5 U	2.9 U	3.6 U
Chloroethane	75-00-3	NC	6 U	3.5 U	4.5 U	2.9 U	3.6 U
Chloroform	67-66-3	370	6 U	3.5 U	4.5 U	2.9 U	3.6 U
Chloromethane	74-87-3	NC	6 U	3.5 U	4.5 U	2.9 U	3.6 U
cis-1,2-Dichloroethene	156-59-2	250	6 U	3.5 U	4.5 U	2.9 U	3.6 U
Cis-1,3-Dichloropropene	10061-01-5	NC	6 U	3.5 U	4.5 U	2.9 U	3.6 U
Cyclohexane	110-82-7	NC	1.9 J	2.4 J	4.5 U	2.9 U	3.6 U
Dibromochloromethane	124-48-1	NC	6 U	3.5 U	4.5 U	2.9 U	3.6 U
Dichlorodifluoromethane	75-71-8	NC	6 U	3.5 U	4.5 U	2.9 U	3.6 U
Ethylbenzene	100-41-4	1,000	0.31 J	0.23 J	4.5 U	2.9 U	3.6 U
Isopropylbenzene	98-82-8	NC	6 U	3.5 U	4.5 U	2.9 U	3.6 U
m,p-xylene	XYLMP	See Total Xylenes	4.7 J	1.7 J	8.9 U	5.7 U	7.2 U
Methyl Acetate	79-20-9	NC	9.3	3.5 U	4.5 U	2.9 U	3.6 U
Methylcyclohexane	108-87-2	NC	2.9 J	3.5	4.5 U	2.9 U	3.6 U
Methylene Chloride	75-09-2	50	6 U	3.5 U	4.5 U	2.9 U	3.6 U
MTBE	1634-04-4	930	6 U	3.5 U	4.5 U	2.9 U	3.6 U
n-Butylbenzene	104-51-8	12,000	6 U	3.5 U	4.5 U	2.9 U	3.6 U
n-Propylbenzene	103-65-1	3,900	6 U	3.5 U	4.5 U	2.9 U	3.6 U
o-Xylene	95-47-6	See Total Xylenes	6 U	0.49 J	4.5 U	2.9 U	3.6 U
sec-Butylbenzene	135-98-8	11,000	6 U	3.5 U	4.5 U	2.9 U	3.6 U
Styrene	100-42-5	NC	6 U	3.5 U	4.5 U	2.9 U	3.6 U
Tert-Butylbenzene	98-06-6	5,900	6 U	3.5 U	4.5 U	2.9 U	3.6 U
Tetrachloroethene	127-18-4	1,300	6 U	3.5 U	4.5 U	2.9 U	3.6 U
Toluene	108-88-3	700	4.9 J	2.2 J	4.5 U	2.9 U	3.6 U
trans-1,2-Dichloroethene	156-60-5	190	6 U	3.5 U	4.5 U	2.9 U	3.6 U
Trans-1,3-Dichloropropene	10061-02-6	NC	6 U	3.5 U	4.5 U	2.9 U	3.6 U
Trichloroethene	79-01-6	470	6 U	3.5 U	4.5 U	2.9 U	3.6 U
Trichlorofluoromethane	75-69-4	NC	6 U	3.5 U	4.5 U	2.9 U	3.6 U
Trichlorotrifluoroethane	26523-64-8	NC	6 U	3.5 U	4.5 U	2.9 U	3.6 U
Vinyl Chloride	75-01-4	20	6 U	3.5 U	4.5 U	2.9 UJ	3.6 U
Total Xylenes	NA	330	4.7	2.19	0	0	0
TOTAL VOC TICs	NA	NC	33.8	25.7	0	2.9	49.8

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.

[BB] = Sample locations where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 9A - Subsurface Soil Results Compared to Unrestricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SB-149	SB-149[BB]	SB-150	SB-152	SB-154
		Sample ID	SB-149-10-11-040616	SB-149-4-5-040616	SB-150-3-4-022916	SB-152-6-7-030316	SB-154-15-17-030316
		Sample Date	4/6/2016	4/6/2016	2/29/2016	3/3/2016	3/3/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	R1603190	R1603190	R1601741	R1601955	R1601955
		Start Depth	10	4	3	6	15
		End Depth	11	5	4	7	17
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]					
VOCs							
1,1,1-Trichloroethane	71-55-6	680	2.7 U	8.8 U	4.8 U	3.9 U	5 U
1,1,2,2-Tetrachloroethane	79-34-5	NC	2.7 U	8.8 U	4.8 UJ	3.9 U	5 U
1,1,2-Trichloroethane	79-00-5	NC	2.7 U	8.8 U	4.8 U	3.9 U	5 U
1,1-Dichloroethane	75-34-3	270	2.7 U	8.8 U	4.8 U	3.9 U	5 U
1,1-Dichloroethene	75-35-4	330	2.7 U	8.8 U	4.8 U	3.9 U	5 U
1,2,3-Trichlorobenzene	87-61-6	NC	2.7 U	8.8 U	4.8 UJ	3.9 U	5 U
1,2,4-Trichlorobenzene	120-82-1	NC	2.7 U	8.8 U	4.8 UJ	3.9 U	5 U
1,2,4-Trimethylbenzene	95-63-6	3,600	2.7 U	8.8 U	4.8 UJ	3.9 U	5 U
1,2-Dibromo-3-chloropropane	96-12-8	NC	2.7 U	8.8 U	4.8 UJ	3.9 U	5 U
1,2-Dibromoethane	106-93-4	NC	2.7 U	8.8 U	4.8 U	3.9 U	5 U
1,2-Dichlorobenzene	95-50-1	1,100	2.7 U	8.8 U	4.8 UJ	3.9 U	5 U
1,2-Dichloroethane	107-06-2	20	2.7 U	8.8 U	4.8 U	3.9 U	5 U
1,2-Dichloropropane	78-87-5	NC	2.7 U	8.8 U	4.8 U	3.9 U	5 U
1,3,5-Trimethylbenzene	108-67-8	8,400	2.7 U	8.8 U	4.8 UJ	3.9 U	5 U
1,3-Dichlorobenzene	541-73-1	2,400	2.7 U	8.8 U	4.8 UJ	3.9 U	5 U
1,4-Dichlorobenzene	106-46-7	1,800	2.7 U	8.8 U	4.8 UJ	3.9 U	5 U
1,4-Dioxane	123-91-1	100	53 R	180 R	97 R	77 R	100 R
2-Butanone	78-93-3	120	2.5 J	8.8 U	3.4 J	2.1 J	4.2 J
2-Hexanone	591-78-6	NC	2.7 U	8.8 U	4.8 U	3.9 U	5 U
4-Isopropyltoluene	99-87-6	NC	2.7 U	8.8 U	4.8 UJ	3.9 U	5 U
4-Methyl-2-Pentanone	108-10-1	NC	2.7 U	8.8 U	4.8 U	3.9 U	5 U
Acetone	67-64-1	50	12	8.8 U	16	7	24
Benzene	71-43-2	60	2.7 U	8.8 U	4.8 U	3.9 U	5 U
Bromochloromethane	74-97-5	NC	2.7 U	8.8 U	4.8 U	3.9 U	5 U
Bromodichloromethane	75-27-4	NC	2.7 U	8.8 U	4.8 U	3.9 U	5 U
Bromoform	75-25-2	NC	2.7 U	8.8 U	4.8 U	3.9 U	5 U
Bromomethane	74-83-9	NC	2.7 U	8.8 U	4.8 UJ	3.9 U	5 R
Carbon disulfide	75-15-0	NC	2.7 U	8.8 U	4.8 U	3.9 U	5 U
Carbon Tetrachloride	56-23-5	760	2.7 U	8.8 U	4.8 U	3.9 U	5 U
Chlorobenzene	108-90-7	1,100	2.7 U	8.8 U	4.8 U	3.9 U	5 U
Chloroethane	75-00-3	NC	2.7 U	8.8 U	4.8 U	3.9 U	5 U
Chloroform	67-66-3	370	2.7 U	8.8 U	4.8 U	3.9 U	5 U
Chloromethane	74-87-3	NC	2.7 U	8.8 U	4.8 U	3.9 U	5 UJ
cis-1,2-Dichloroethene	156-59-2	250	2.7 U	8.8 U	4.8 U	3.9 U	5 U
Cis-1,3-Dichloropropene	10061-01-5	NC	2.7 U	8.8 U	4.8 U	3.9 U	5 U
Cyclohexane	110-82-7	NC	2.7 U	8.8 U	4.8 U	3.9 U	5 U
Dibromochloromethane	124-48-1	NC	2.7 U	8.8 U	4.8 U	3.9 U	5 U
Dichlorodifluoromethane	75-71-8	NC	2.7 U	8.8 U	4.8 U	3.9 U	5 U
Ethylbenzene	100-41-4	1,000	2.7 U	8.8 U	4.8 U	3.9 U	5 U
Isopropylbenzene	98-82-8	NC	2.7 U	8.8 U	4.8 U	3.9 U	5 U
m,p-xylene	XYLMP	See Total Xylenes	5.3 U	18 U	9.7 U	7.7 U	10 U
Methyl Acetate	79-20-9	NC	2.7 U	8.8 U	4.8 U	3.9 U	5 U
Methylcyclohexane	108-87-2	NC	2.7 U	8.8 U	4.8 U	3.9 U	5 U
Methylene Chloride	75-09-2	50	2.7 U	8.8 U	4.8 U	3.9 U	5 U
MTBE	1634-04-4	930	2.7 U	8.8 U	4.8 U	3.9 U	5 U
n-Butylbenzene	104-51-8	12,000	2.7 U	8.8 U	4.8 UJ	3.9 U	5 U
n-Propylbenzene	103-65-1	3,900	2.7 U	8.8 U	4.8 UJ	3.9 U	5 U
o-Xylene	95-47-6	See Total Xylenes	2.7 U	8.8 U	4.8 U	3.9 U	5 U
sec-Butylbenzene	135-98-8	11,000	2.7 U	8.8 U	4.8 UJ	3.9 U	5 U
Styrene	100-42-5	NC	2.7 U	8.8 U	4.8 U	3.9 U	5 U
Tert-Butylbenzene	98-06-6	5,900	2.7 U	8.8 U	4.8 UJ	3.9 U	5 U
Tetrachloroethene	127-18-4	1,300	2.7 U	8.8 U	4.8 U	3.9 U	5 U
Toluene	108-88-3	700	2.7 U	8.8 U	1.1 J	3.9 U	5 U
trans-1,2-Dichloroethene	156-60-5	190	2.7 U	8.8 U	4.8 U	3.9 U	5 U
Trans-1,3-Dichloropropene	10061-02-6	NC	2.7 U	8.8 U	4.8 U	3.9 U	5 U
Trichloroethene	79-01-6	470	2.7 U	8.8 U	4.8 U	3.9 U	5 U
Trichlorofluoromethane	75-69-4	NC	2.7 U	8.8 U	4.8 U	3.9 U	5 U
Trichlorotrifluoroethane	26523-64-8	NC	2.7 U	8.8 U	4.8 U	3.9 U	5 U
Vinyl Chloride	75-01-4	20	2.7 U	8.8 U	4.8 U	3.9 U	5 U
Total Xylenes	NA	330	0	0	0	0	0
TOTAL VOC TICs	NA	NC	27.9	0	12.8	89	100

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.

[BB] = Sample locations where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 9A - Subsurface Soil Results Compared to Unrestricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SB-156	SB-157	SB-158	SB-159	SB-160
		Sample ID	SB-156-16-17-030916	SB-157-20.5-21.5-030916	SB-158-16-17.5-030816	SB-159-17-18-030916	SB-160-4-5-030916
		Sample Date	3/9/2016	3/9/2016	3/8/2016	3/9/2016	3/9/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	R1602058	R1602058	R1602058	R1602058	R1602058
		Start Depth	16	20.5	16	17	4
		End Depth	17	21.5	17.5	18	5
Chemical Name	**CAS #**	**NY Part 375 Unrestricted SCO[1]**					
VOCs							
1,1,1-Trichloroethane	71-55-6	680	3 U	2.2 U	3.4 U	3.4 U	2.1 U
1,1,2,2-Tetrachloroethane	79-34-5	NC	3 U	2.2 U	3.4 U	3.4 U	2.1 U
1,1,2-Trichloroethane	79-00-5	NC	3 U	2.2 U	3.4 U	3.4 U	2.1 U
1,1-Dichloroethane	75-34-3	270	3 U	2.2 U	3.4 U	3.4 U	2.1 U
1,1-Dichloroethene	75-35-4	330	3 U	2.2 U	3.4 U	3.4 U	2.1 U
1,2,3-Trichlorobenzene	87-61-6	NC	3 U	2.2 U	3.4 U	3.4 U	2.1 U
1,2,4-Trichlorobenzene	120-82-1	NC	3 U	2.2 U	3.4 U	3.4 U	2.1 U
1,2,4-Trimethylbenzene	95-63-6	3,600	0.56 J	2.2 U	3.4 U	3.4 U	2.1 U
1,2-Dibromo-3-chloropropane	96-12-8	NC	3 U	2.2 U	3.4 U	3.4 U	2.1 U
1,2-Dibromoethane	106-93-4	NC	3 U	2.2 U	3.4 U	3.4 U	2.1 U
1,2-Dichlorobenzene	95-50-1	1,100	3 U	2.2 U	3.4 U	3.4 U	2.1 U
1,2-Dichloroethane	107-06-2	20	3 U	2.2 U	3.4 U	3.4 U	2.1 U
1,2-Dichloropropane	78-87-5	NC	3 U	2.2 U	3.4 U	3.4 U	2.1 U
1,3,5-Trimethylbenzene	108-67-8	8,400	3 U	2.2 U	3.4 U	3.4 U	2.1 U
1,3-Dichlorobenzene	541-73-1	2,400	3 U	2.2 U	3.4 U	3.4 U	2.1 U
1,4-Dichlorobenzene	106-46-7	1,800	3 U	2.2 U	3.4 U	3.4 U	2.1 U
1,4-Dioxane	123-91-1	100	60 R	45 R	68 R	68 R	42 R
2-Butanone	78-93-3	120	3 U	2.7	3.4 U	3.4 U	2.1 U
2-Hexanone	591-78-6	NC	3 U	2.2 U	3.4 U	3.4 U	2.1 U
4-Isopropyltoluene	99-87-6	NC	3 U	2.2 U	3.4 U	3.4 U	2.1 U
4-Methyl-2-Pentanone	108-10-1	NC	3 U	2.2 U	3.4 U	3.4 U	2.1 U
Acetone	67-64-1	50	3 U	10	3.8	3 J	2.1 U
Benzene	71-43-2	60	0.96 J	2.2 U	0.21 J	3.4 U	2.1 U
Bromochloromethane	74-97-5	NC	3 U	2.2 U	3.4 U	3.4 U	2.1 U
Bromodichloromethane	75-27-4	NC	3 U	2.2 U	3.4 U	3.4 U	2.1 U
Bromoform	75-25-2	NC	3 U	2.2 U	3.4 U	3.4 U	2.1 U
Bromomethane	74-83-9	NC	3 UJ	2.2 UJ	3.4 UJ	3.4 UJ	2.1 UJ
Carbon disulfide	75-15-0	NC	1.4 J	2.2 U	3.4 U	3.4 U	2.1 U
Carbon Tetrachloride	56-23-5	760	3 U	2.2 U	3.4 U	3.4 U	2.1 U
Chlorobenzene	108-90-7	1,100	3 U	2.2 U	3.4 U	3.4 U	2.1 U
Chloroethane	75-00-3	NC	3 U	2.2 U	3.4 U	3.4 U	2.1 U
Chloroform	67-66-3	370	3 U	2.2 U	3.4 U	3.4 U	2.1 U
Chloromethane	74-87-3	NC	3 U	2.2 U	3.4 U	3.4 U	2.1 U
cis-1,2-Dichloroethene	156-59-2	250	3 U	2.2 U	3.4 U	3.4 U	2.1 U
Cis-1,3-Dichloropropene	10061-01-5	NC	3 U	2.2 U	3.4 U	3.4 U	2.1 U
Cyclohexane	110-82-7	NC	1.9 J	2.2 U	3.4 U	3.4 U	2.1 U
Dibromochloromethane	124-48-1	NC	3 U	2.2 U	3.4 U	3.4 U	2.1 U
Dichlorodifluoromethane	75-71-8	NC	3 U	2.2 U	3.4 U	3.4 U	2.1 U
Ethylbenzene	100-41-4	1,000	0.2 J	2.2 U	3.4 U	3.4 U	2.1 U
Isopropylbenzene	98-82-8	NC	3 U	2.2 U	3.4 U	3.4 U	2.1 U
m,p-xylene	XYLMP	See Total Xylenes	1.3 J	4.5 U	6.8 U	6.8 U	4.2 U
Methyl Acetate	79-20-9	NC	3 U	2.2 U	3.4 U	3.4 U	2.1 U
Methylcyclohexane	108-87-2	NC	2.7 J	2.2 U	0.87 J	3.4 U	2.1 U
Methylene Chloride	75-09-2	50	3 U	2.2 U	3.4 U	3.4 U	2.1 U
MTBE	1634-04-4	930	3 U	2.2 U	3.4 U	3.4 U	2.1 U
n-Butylbenzene	104-51-8	12,000	3 U	2.2 U	3.4 U	3.4 U	2.1 U
n-Propylbenzene	103-65-1	3,900	3 U	2.2 U	3.4 U	3.4 U	2.1 U
o-Xylene	95-47-6	See Total Xylenes	0.39 J	2.2 U	3.4 U	3.4 U	2.1 U
sec-Butylbenzene	135-98-8	11,000	3 U	2.2 U	3.4 U	3.4 U	2.1 U
Styrene	100-42-5	NC	3 U	2.2 U	3.4 U	3.4 U	2.1 U
Tert-Butylbenzene	98-06-6	5,900	3 U	2.2 U	3.4 U	3.4 U	2.1 U
Tetrachloroethene	127-18-4	1,300	3 U	2.2 U	3.4 U	3.4 U	2.1 U
Toluene	108-88-3	700	1.7 J	2.2 U	3.4 U	3.4 U	2.1 U
trans-1,2-Dichloroethene	156-60-5	190	3 U	2.2 U	3.4 U	3.4 U	2.1 U
Trans-1,3-Dichloropropene	10061-02-6	NC	3 U	2.2 U	3.4 U	3.4 U	2.1 U
Trichloroethene	79-01-6	470	3 U	2.2 U	3.4 U	3.4 U	2.1 U
Trichlorofluoromethane	75-69-4	NC	3 U	2.2 U	3.4 U	3.4 U	2.1 U
Trichlorotrifluoroethane	26523-64-8	NC	3 U	2.2 U	3.4 U	3.4 U	2.1 U
Vinyl Chloride	75-01-4	20	3 U	2.2 U	3.4 U	3.4 U	2.1 U
Total Xylenes	NA	330	1.69	0	0	0	0
TOTAL VOC TICs	NA	NC	26.1	0	0	0	0

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.

[BB] = Sample locations where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 9A - Subsurface Soil Results Compared to Unrestricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SB-162	SB-163	SB-164	SB-165	SB-166
		Sample ID	SB-162-19-20-030816	SB-163-13.5-16-030816	SB-164-4-5.9-030716	SB-165-22-23-030716	SB-166-13-15-030816
		Sample Date	3/8/2016	3/8/2016	3/7/2016	3/7/2016	3/8/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	R1602058	R1602058	R1601955	R1601955	R1602058
		Start Depth	19	13.5	4	22	13
		End Depth	20	16	5.9	23	15
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]					
VOCs							
1,1,1-Trichloroethane	71-55-6	680	4.9 U	3.7 U	4.6 U	3.4 U	2.4 U
1,1,2,2-Tetrachloroethane	79-34-5	NC	4.9 U	3.7 U	4.6 U	3.4 U	2.4 U
1,1,2-Trichloroethane	79-00-5	NC	4.9 U	3.7 U	4.6 U	3.4 U	2.4 U
1,1-Dichloroethane	75-34-3	270	4.9 U	3.7 U	4.6 U	3.4 U	2.4 U
1,1-Dichloroethene	75-35-4	330	4.9 U	3.7 U	4.6 U	3.4 U	2.4 U
1,2,3-Trichlorobenzene	87-61-6	NC	4.9 U	3.7 U	4.6 U	3.4 U	2.4 U
1,2,4-Trichlorobenzene	120-82-1	NC	4.9 U	3.7 U	4.6 U	3.4 U	2.4 U
1,2,4-Trimethylbenzene	95-63-6	3,600	4.9 U	3.7 U	1.5 J	3.4 U	2.4 U
1,2-Dibromo-3-chloropropane	96-12-8	NC	4.9 U	3.7 U	4.6 U	3.4 U	2.4 U
1,2-Dibromoethane	106-93-4	NC	4.9 U	3.7 U	4.6 U	3.4 U	2.4 U
1,2-Dichlorobenzene	95-50-1	1,100	4.9 U	3.7 U	4.6 U	3.4 U	2.4 U
1,2-Dichloroethane	107-06-2	20	4.9 U	3.7 U	4.6 U	3.4 U	2.4 U
1,2-Dichloropropane	78-87-5	NC	4.9 U	3.7 U	4.6 U	3.4 U	2.4 U
1,3,5-Trimethylbenzene	108-67-8	8,400	4.9 U	3.7 U	0.9 J	3.4 U	2.4 U
1,3-Dichlorobenzene	541-73-1	2,400	4.9 U	3.7 U	4.6 U	3.4 U	2.4 U
1,4-Dichlorobenzene	106-46-7	1,800	4.9 U	3.7 U	4.6 U	3.4 U	2.4 U
1,4-Dioxane	123-91-1	100	98 R	73 R	92 R	68 R	49 R
2-Butanone	78-93-3	120	6.4	2 J	4.6 U	2.3 J	2.4 U
2-Hexanone	591-78-6	NC	4.9 U	3.7 U	4.6 U	3.4 U	2.4 U
4-Isopropyltoluene	99-87-6	NC	4.9 U	3.7 U	4.6 U	3.4 U	2.4 U
4-Methyl-2-Pentanone	108-10-1	NC	4.9 U	3.7 U	4.6 U	3.4 U	2.4 U
Acetone	67-64-1	50	18	10 J	14	13	2.4 U
Benzene	71-43-2	60	4.9 U	3.7 U	2.9 J	3.4 U	2.4 U
Bromochloromethane	74-97-5	NC	4.9 U	3.7 U	4.6 U	3.4 U	2.4 U
Bromodichloromethane	75-27-4	NC	4.9 U	3.7 U	4.6 U	3.4 U	2.4 U
Bromoform	75-25-2	NC	4.9 U	3.7 U	4.6 U	3.4 U	2.4 U
Bromomethane	74-83-9	NC	4.9 UJ	3.7 UJ	4.6 U	3.4 U	2.4 UJ
Carbon disulfide	75-15-0	NC	1.8 J	3.7 U	4.6 U	4.7	2.4 U
Carbon Tetrachloride	56-23-5	760	4.9 U	3.7 U	4.6 U	3.4 U	2.4 U
Chlorobenzene	108-90-7	1,100	4.9 U	3.7 U	4.6 U	3.4 U	2.4 U
Chloroethane	75-00-3	NC	4.9 U	3.7 U	4.6 U	3.4 U	2.4 U
Chloroform	67-66-3	370	4.9 U	3.7 U	4.6 U	3.4 U	2.4 U
Chloromethane	74-87-3	NC	4.9 U	3.7 U	4.6 U	3.4 U	2.4 U
cis-1,2-Dichloroethene	156-59-2	250	4.9 U	3.7 U	4.6 U	3.4 U	2.4 U
Cis-1,3-Dichloropropene	10061-01-5	NC	4.9 U	3.7 U	4.6 U	3.4 U	2.4 U
Cyclohexane	110-82-7	NC	4.9 U	3.7 U	8.6	3.4 U	2.4 U
Dibromochloromethane	124-48-1	NC	4.9 U	3.7 U	4.6 U	3.4 U	2.4 U
Dichlorodifluoromethane	75-71-8	NC	4.9 U	3.7 U	4.6 U	3.4 U	2.4 U
Ethylbenzene	100-41-4	1,000	4.9 U	3.7 U	0.48 J	3.4 U	2.4 U
Isopropylbenzene	98-82-8	NC	4.9 U	3.7 U	4.6 U	3.4 U	2.4 U
m,p-xylene	XYLMP	See Total Xylenes	9.8 U	7.3 U	4.6 J	6.8 U	4.9 U
Methyl Acetate	79-20-9	NC	4.9 U	3.7 U	3.1 J	3.4 U	2.4 U
Methylcyclohexane	108-87-2	NC	4.9 U	3.7 U	11	3.4 U	2.4 U
Methylene Chloride	75-09-2	50	4.9 U	3.7 U	4.6 U	3.4 U	2.4 U
MTBE	1634-04-4	930	4.9 U	3.7 U	4.6 U	3.4 U	2.4 U
n-Butylbenzene	104-51-8	12,000	4.9 U	3.7 U	4.6 U	3.4 U	2.4 U
n-Propylbenzene	103-65-1	3,900	4.9 U	3.7 U	4.6 U	3.4 U	2.4 U
o-Xylene	95-47-6	See Total Xylenes	4.9 U	3.7 U	1.1 J	3.4 U	2.4 U
sec-Butylbenzene	135-98-8	11,000	4.9 U	3.7 U	4.6 U	3.4 U	2.4 U
Styrene	100-42-5	NC	4.9 U	3.7 U	4.6 U	3.4 U	2.4 U
Tert-Butylbenzene	98-06-6	5,900	4.9 U	3.7 U	4.6 U	3.4 U	2.4 U
Tetrachloroethene	127-18-4	1,300	4.9 U	3.7 U	4.6 U	3.4 U	2.4 U
Toluene	108-88-3	700	4.9 U	3.7 U	5.4	3.4 U	2.4 U
trans-1,2-Dichloroethene	156-60-5	190	4.9 U	3.7 U	4.6 U	3.4 U	2.4 U
Trans-1,3-Dichloropropene	10061-02-6	NC	4.9 U	3.7 U	4.6 U	3.4 U	2.4 U
Trichloroethene	79-01-6	470	4.9 U	3.7 U	4.6 U	3.4 U	2.4 U
Trichlorofluoromethane	75-69-4	NC	4.9 U	3.7 U	4.6 U	3.4 U	2.4 U
Trichlorotrifluoroethane	26523-64-8	NC	4.9 U	3.7 U	4.6 U	3.4 U	2.4 U
Vinyl Chloride	75-01-4	20	4.9 U	3.7 U	4.6 U	3.4 U	2.4 U
Total Xylenes	NA	330	0	0	5.7	0	0
TOTAL VOC TICs	NA	NC	0	0	154.1	38.6	2.6

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.

[BB] = Sample locations where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 9A - Subsurface Soil Results Compared to Unrestricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SB-167	SB-168	SB-169	SB-170	SB-171
		Sample ID	SB-167-18-19-030716	SB-168-16-17-030816	SB-169-16-17-030716	SB-170-16-16.8-022916	SB-171-15-16-022916
		Sample Date	3/7/2016	3/8/2016	3/7/2016	2/29/2016	2/29/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	R1601955	R1602058	R1601955	R1601741	R1601741
		Start Depth	18	16	16	16	15
		End Depth	19	17	17	16.8	16
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]					
VOCs							
1,1,1-Trichloroethane	71-55-6	680	220 U	220 U	870 U	2.1 U	320 U
1,1,2,2-Tetrachloroethane	79-34-5	NC	220 U	220 U	870 U	2.1 U	320 U
1,1,2-Trichloroethane	79-00-5	NC	220 U	220 U	870 U	2.1 U	320 U
1,1-Dichloroethane	75-34-3	270	220 U	220 U	870 U	2.1 U	320 U
1,1-Dichloroethene	75-35-4	330	220 U	220 U	870 U	2.1 U	320 U
1,2,3-Trichlorobenzene	87-61-6	NC	220 U	220 U	870 U	2.1 U	320 U
1,2,4-Trichlorobenzene	120-82-1	NC	220 U	220 U	870 U	2.1 U	320 U
1,2,4-Trimethylbenzene	95-63-6	3,600	220 U	220 U	31,000	2.1 U	320 U
1,2-Dibromo-3-chloropropane	96-12-8	NC	220 U	220 U	870 U	2.1 U	320 U
1,2-Dibromoethane	106-93-4	NC	220 U	220 U	870 U	2.1 U	320 U
1,2-Dichlorobenzene	95-50-1	1,100	220 U	220 U	870 U	2.1 U	320 U
1,2-Dichloroethane	107-06-2	20	220 U	220 U	870 U	2.1 U	320 U
1,2-Dichloropropane	78-87-5	NC	220 U	220 U	870 U	2.1 U	320 U
1,3,5-Trimethylbenzene	108-67-8	8,400	690	220 U	20,000	2.1 U	7,500
1,3-Dichlorobenzene	541-73-1	2,400	220 U	220 U	870 U	2.1 U	320 U
1,4-Dichlorobenzene	106-46-7	1,800	220 U	220 U	870 U	2.1 U	320 U
1,4-Dioxane	123-91-1	100	4,400 R	4,400 R	17,000 R	42 R	6,400 R
2-Butanone	78-93-3	120	220 U	220 U	870 U	2.1 U	320 U
2-Hexanone	591-78-6	NC	220 U	220 U	870 U	2.1 U	320 U
4-Isopropyltoluene	99-87-6	NC	220 U	220 U	1,000	2.1 U	320 U
4-Methyl-2-Pentanone	108-10-1	NC	220 U	220 U	870 U	2.1 U	320 U
Acetone	67-64-1	50	220 U	220 U	870 U	2.2	320 U
Benzene	71-43-2	60	220 U	220 U	870 U	2.1 U	320 U
Bromochloromethane	74-97-5	NC	220 U	220 U	870 U	2.1 U	320 U
Bromodichloromethane	75-27-4	NC	220 U	220 U	870 U	2.1 U	320 U
Bromoform	75-25-2	NC	220 U	220 U	870 U	2.1 U	320 U
Bromomethane	74-83-9	NC	220 U	220 U	870 U	2.1 U	320 U
Carbon disulfide	75-15-0	NC	220 U	220 U	870 U	1 J	320 U
Carbon Tetrachloride	56-23-5	760	220 U	220 U	870 U	2.1 U	320 U
Chlorobenzene	108-90-7	1,100	220 U	220 U	870 U	2.1 U	320 U
Chloroethane	75-00-3	NC	220 U	220 U	870 U	2.1 U	320 U
Chloroform	67-66-3	370	220 U	220 U	870 U	2.1 U	320 U
Chloromethane	74-87-3	NC	220 U	220 U	870 U	2.1 U	320 U
cis-1,2-Dichloroethene	156-59-2	250	220 U	220 U	870 U	2.1 U	320 U
Cis-1,3-Dichloropropene	10061-01-5	NC	220 U	220 U	870 U	2.1 U	320 U
Cyclohexane	110-82-7	NC	220 U	220 U	49,000	2.1 U	320 U
Dibromochloromethane	124-48-1	NC	220 U	220 U	870 U	2.1 U	320 U
Dichlorodifluoromethane	75-71-8	NC	220 U	220 U	870 U	2.1 U	320 U
Ethylbenzene	100-41-4	1,000	220 U	220 U	160 J	2.1 U	320 U
Isopropylbenzene	98-82-8	NC	220 U	220 U	2,100	2.1 U	320 U
m,p-xylene	XYLMP	See Total Xylenes	440 U	440 U	88,000	4.2 U	640 U
Methyl Acetate	79-20-9	NC	220 U	220 U	870 U	2.1 U	320 U
Methylcyclohexane	108-87-2	NC	580	220 U	140,000	2.1 U	320 U
Methylene Chloride	75-09-2	50	220 U	220 U	870 U	2.1 U	320 U
MTBE	1634-04-4	930	220 U	220 U	870 U	2.1 U	320 U
n-Butylbenzene	104-51-8	12,000	88 J	220 U	870 U	2.1 U	320 U
n-Propylbenzene	103-65-1	3,900	220 U	220 U	2,300	2.1 U	320 U
o-Xylene	95-47-6	See Total Xylenes	220 U	220 U	110 J	2.1 U	320 U
sec-Butylbenzene	135-98-8	11,000	62 J	220 U	710 J	2.1 U	170 J
Styrene	100-42-5	NC	220 U	220 U	870 U	2.1 U	320 U
Tert-Butylbenzene	98-06-6	5,900	220 U	220 U	180 J	0.32 J	130 J
Tetrachloroethene	127-18-4	1,300	220 U	220 U	870 U	2.1 U	320 U
Toluene	108-88-3	700	220 U	220 U	870 U	2.1 U	320 U
trans-1,2-Dichloroethene	156-60-5	190	220 U	220 U	870 U	2.1 U	320 U
Trans-1,3-Dichloropropene	10061-02-6	NC	220 U	220 U	870 U	2.1 U	320 U
Trichloroethene	79-01-6	470	220 U	220 U	870 U	2.1 U	320 U
Trichlorofluoromethane	75-69-4	NC	220 U	220 U	870 U	2.1 U	320 U
Trichlorotrifluoroethane	26523-64-8	NC	220 U	220 U	870 U	2.1 U	320 U
Vinyl Chloride	75-01-4	20	220 U	220 U	870 U	2.1 U	320 U
Total Xylenes	NA	330	0	0	88,110	0	0
TOTAL VOC TICs	NA	NC	8,360	6,660	315,000	21.6	57,700

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.

[BB] = Sample locations where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 9A - Subsurface Soil Results Compared to Unrestricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SB-172	SB-172	SB-173	SB-173	SB-174
		Sample ID	SB-172-8.5-9.7-090717	SB-172-8.8-9.6-082217	SB-173-12-15-082117	SB-173-12-15-090717	SB-174-12.5-15-082117
		Sample Date	9/7/2017	8/22/2017	8/21/2017	9/7/2017	8/21/2017
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	R1708422	R1707777	R1707777	R1708422	R1707777
		Start Depth	8.5	8.8	12	12	12.5
		End Depth	9.7	9.6	15	15	15
Chemical Name	**CAS #**	**NY Part 375 Unrestricted SCO[1]**					
VOCs							
1,1,1-Trichloroethane	71-55-6	680	4.2 U	5.5 U	6.3 U	4.2 U	6.6 U
1,1,2,2-Tetrachloroethane	79-34-5	NC	4.2 U	5.5 U	6.3 U	4.2 U	6.6 U
1,1,2-Trichloroethane	79-00-5	NC	4.2 U	5.5 U	6.3 U	4.2 U	6.6 U
1,1-Dichloroethane	75-34-3	270	4.2 U	5.5 U	6.3 U	4.2 U	6.6 U
1,1-Dichloroethene	75-35-4	330	4.2 U	5.5 U	6.3 U	4.2 U	6.6 U
1,2,3-Trichlorobenzene	87-61-6	NC	4.2 U	5.5 U	6.3 U	4.2 U	6.6 U
1,2,4-Trichlorobenzene	120-82-1	NC	4.2 U	5.5 U	6.3 U	4.2 U	6.6 U
1,2,4-Trimethylbenzene	95-63-6	3,600	4.2 U	6.6	6.3 U	4.2 U	6.6 U
1,2-Dibromo-3-chloropropane	96-12-8	NC	4.2 UJ	5.5 U	6.3 U	4.2 UJ	6.6 U
1,2-Dibromoethane	106-93-4	NC	4.2 U	5.5 U	6.3 U	4.2 U	6.6 U
1,2-Dichlorobenzene	95-50-1	1,100	4.2 U	5.5 U	6.3 U	4.2 U	6.6 U
1,2-Dichloroethane	107-06-2	20	4.2 U	5.5 U	6.3 U	4.2 U	6.6 U
1,2-Dichloropropane	78-87-5	NC	4.2 U	5.5 U	6.3 U	4.2 U	6.6 U
1,3,5-Trimethylbenzene	108-67-8	8,400	4.2 U	3.2 J	6.3 U	4.2 U	6.6 U
1,3-Dichlorobenzene	541-73-1	2,400	4.2 U	5.5 U	6.3 U	4.2 U	6.6 U
1,4-Dichlorobenzene	106-46-7	1,800	4.2 U	5.5 U	6.3 U	4.2 U	6.6 U
1,4-Dioxane	123-91-1	100	84 R	110 U	130 U	84 R	130 U
2-Butanone	78-93-3	120	3.8 J	5.5 U	6.3 U	4.2 U	6.6 U
2-Hexanone	591-78-6	NC	4.2 U	5.5 U	6.3 U	4.2 U	6.6 U
4-Isopropyltoluene	99-87-6	NC	4.2 U	5.5 U	6.3 U	4.2 U	6.6 U
4-Methyl-2-Pentanone	108-10-1	NC	4.2 U	5.5 U	6.3 U	4.2 U	6.6 U
Acetone	67-64-1	50	24	6.2	6.3 U	4.2 U	6.6 U
Benzene	71-43-2	60	4.2 U	1.7 J	6.3 U	4.2 U	6.6 U
Bromochloromethane	74-97-5	NC	4.2 U	5.5 U	6.3 U	4.2 U	6.6 U
Bromodichloromethane	75-27-4	NC	4.2 U	5.5 U	6.3 U	4.2 U	6.6 U
Bromoform	75-25-2	NC	4.2 U	5.5 U	6.3 U	4.2 U	6.6 U
Bromomethane	74-83-9	NC	4.2 UJ	5.5 U	6.3 U	4.2 UJ	6.6 U
Carbon disulfide	75-15-0	NC	4.2 U	2.2 J	6.3 U	4.2 U	6.6 U
Carbon Tetrachloride	56-23-5	760	4.2 U	5.5 U	6.3 U	4.2 U	6.6 U
Chlorobenzene	108-90-7	1,100	4.2 U	5.5 U	6.3 U	4.2 U	6.6 U
Chloroethane	75-00-3	NC	4.2 UJ	5.5 U	6.3 U	4.2 UJ	6.6 U
Chloroform	67-66-3	370	4.2 U	5.5 U	6.3 U	4.2 U	6.6 U
Chloromethane	74-87-3	NC	4.2 U	5.5 U	6.3 U	4.2 U	6.6 U
cis-1,2-Dichloroethene	156-59-2	250	4.2 U	5.5 U	6.3 U	4.2 U	6.6 U
Cis-1,3-Dichloropropene	10061-01-5	NC	4.2 U	5.5 U	6.3 U	4.2 U	6.6 U
Cyclohexane	110-82-7	NC	4.2 U	7.3	6.3 U	4.2 U	6.6 U
Dibromochloromethane	124-48-1	NC	4.2 U	5.5 U	6.3 U	4.2 U	6.6 U
Dichlorodifluoromethane	75-71-8	NC	4.2 U	5.5 U	6.3 U	4.2 U	6.6 U
Ethylbenzene	100-41-4	1,000	4.2 U	1.4 J	6.3 U	4.2 U	6.6 U
Isopropylbenzene	98-82-8	NC	4.2 U	5.5 U	6.3 U	4.2 U	6.6 U
m,p-xylene	XYLMP	See Total Xylenes	8.4 U	11	13 U	8.4 U	13 U
Methyl Acetate	79-20-9	NC	4.2 U	5.5 U	6.3 U	4.2 U	6.6 U
Methylcyclohexane	108-87-2	NC	4.2 U	14	6.3 U	4.2 U	6.6 U
Methylene Chloride	75-09-2	50	4.2 U	0.87 J	1 J	4.2 U	1.2 J
MTBE	1634-04-4	930	4.2 U	5.5 U	6.3 U	4.2 U	6.6 U
n-Butylbenzene	104-51-8	12,000	4.2 U	5.5 U	6.3 U	4.2 U	6.6 U
n-Propylbenzene	103-65-1	3,900	4.2 U	5.5 U	6.3 U	4.2 U	6.6 U
o-Xylene	95-47-6	See Total Xylenes	4.2 U	2.9 J	6.3 U	4.2 U	6.6 U
sec-Butylbenzene	135-98-8	11,000	4.2 U	5.5 U	6.3 U	4.2 U	6.6 U
Styrene	100-42-5	NC	4.2 U	5.5 U	6.3 U	4.2 U	6.6 U
Tert-Butylbenzene	98-06-6	5,900	4.2 U	5.5 U	6.3 U	4.2 U	6.6 U
Tetrachloroethene	127-18-4	1,300	4.2 U	5.5 U	6.3 U	4.2 U	6.6 U
Toluene	108-88-3	700	4.2 U	7.2	6.3 U	4.2 U	6.6 U
trans-1,2-Dichloroethene	156-60-5	190	4.2 U	5.5 U	6.3 U	4.2 U	6.6 U
Trans-1,3-Dichloropropene	10061-02-6	NC	4.2 U	5.5 U	6.3 U	4.2 U	6.6 U
Trichloroethene	79-01-6	470	4.2 U	5.5 U	6.3 U	4.2 U	6.6 U
Trichlorofluoromethane	75-69-4	NC	4.2 U	5.5 U	6.3 U	4.2 U	6.6 U
Trichlorotrifluoroethane	26523-64-8	NC	4.2 U	5.5 U	6.3 U	4.2 U	6.6 U
Vinyl Chloride	75-01-4	20	4.2 U	5.5 U	6.3 U	4.2 U	6.6 U
Total Xylenes	NA	330	NA	NA	NA	NA	NA
TOTAL VOC TICs	NA	NC	NT	NT	NT	NT	NT

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.

[BB] = Sample locations where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 9A - Subsurface Soil Results Compared to Unrestricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SB-174	SB-176	SB-TP-131	SB-TP-139[BB]	SB-TP-139[BB]
		Sample ID	SB-174-12.5-15-090717	SB-176-6-7-041216	SB-TP-131-5-7-031516	DUP-001-030716	SB-TP-139-12-14-030716
		Sample Date	9/7/2017	4/12/2016	3/15/2016	3/7/2016	3/7/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	R1708422	R1603190	R1602333	R1601955	R1601955
		Start Depth	12.5	6	5	12	12
		End Depth	15	7	7	14	14
Chemical Name	**CAS #**	**NY Part 375 Unrestricted SCO[1]**					
VOCs							
1,1,1-Trichloroethane	71-55-6	680	4.2 U	210 U	2.9 U	3.3 U	4.2 U
1,1,2,2-Tetrachloroethane	79-34-5	NC	4.2 U	210 U	2.9 U	3.3 U	4.2 U
1,1,2-Trichloroethane	79-00-5	NC	4.2 U	210 U	2.9 U	3.3 U	4.2 U
1,1-Dichloroethane	75-34-3	270	4.2 U	66 J	2.9 U	3.3 U	4.2 U
1,1-Dichloroethene	75-35-4	330	4.2 U	210 U	2.9 U	3.3 U	4.2 U
1,2,3-Trichlorobenzene	87-61-6	NC	4.2 U	210 U	2.9 U	3.3 U	4.2 U
1,2,4-Trichlorobenzene	120-82-1	NC	4.2 U	210 U	2.9 U	3.3 U	4.2 U
1,2,4-Trimethylbenzene	95-63-6	3,600	4.2 U	210 U	2.9 U	3.3 U	4.2 U
1,2-Dibromo-3-chloropropane	96-12-8	NC	4.2 UJ	210 U	2.9 U	3.3 U	4.2 U
1,2-Dibromoethane	106-93-4	NC	4.2 U	210 U	2.9 U	3.3 U	4.2 U
1,2-Dichlorobenzene	95-50-1	1,100	4.2 U	210 U	2.9 U	3.3 U	4.2 U
1,2-Dichloroethane	107-06-2	20	4.2 U	210 U	2.9 U	3.3 U	4.2 U
1,2-Dichloropropane	78-87-5	NC	4.2 U	210 U	2.9 U	3.3 U	4.2 U
1,3,5-Trimethylbenzene	108-67-8	8,400	4.2 U	210 U	2.9 U	3.3 U	4.2 U
1,3-Dichlorobenzene	541-73-1	2,400	4.2 U	210 U	2.9 U	3.3 U	4.2 U
1,4-Dichlorobenzene	106-46-7	1,800	4.2 U	210 U	2.9 U	3.3 U	4.2 U
1,4-Dioxane	123-91-1	100	84 R	4,100 R	59 R	67 R	83 R
2-Butanone	78-93-3	120	4.2 U	210 U	7.3	3.3 U	4.2 U
2-Hexanone	591-78-6	NC	4.2 U	210 U	2.9 U	3.3 U	4.2 U
4-Isopropyltoluene	99-87-6	NC	4.2 U	210 U	2.9 U	3.3 U	4.2 U
4-Methyl-2-Pentanone	108-10-1	NC	4.2 U	210 U	2.9 U	3.3 U	4.2 U
Acetone	67-64-1	50	4.2 U	210 U	23	3.3 U	4.2 U
Benzene	71-43-2	60	4.2 U	210 U	2.9 U	3.3 U	4.2 U
Bromochloromethane	74-97-5	NC	4.2 U	210 U	2.9 U	3.3 U	4.2 U
Bromodichloromethane	75-27-4	NC	4.2 U	210 U	2.9 U	3.3 U	4.2 U
Bromoform	75-25-2	NC	4.2 U	210 U	2.9 U	3.3 U	4.2 U
Bromomethane	74-83-9	NC	4.2 UJ	210 U	2.9 U	3.3 UJ	4.2 U
Carbon disulfide	75-15-0	NC	4.2 U	210 U	2.9 U	3.3 U	4.2 U
Carbon Tetrachloride	56-23-5	760	4.2 U	210 U	2.9 U	3.3 U	4.2 U
Chlorobenzene	108-90-7	1,100	4.2 U	210 U	2.9 U	3.3 U	4.2 U
Chloroethane	75-00-3	NC	4.2 UJ	210 U	2.9 U	3.3 U	4.2 U
Chloroform	67-66-3	370	4.2 U	210 U	2.9 U	3.3 U	4.2 U
Chloromethane	74-87-3	NC	4.2 U	210 U	2.9 U	3.3 U	4.2 U
cis-1,2-Dichloroethene	156-59-2	250	4.2 U	210 U	2.9 U	3.3 U	4.2 U
Cis-1,3-Dichloropropene	10061-01-5	NC	4.2 U	210 U	2.9 U	3.3 U	4.2 U
Cyclohexane	110-82-7	NC	4.2 U	210 U	2.9 U	3.3 U	4.2 U
Dibromochloromethane	124-48-1	NC	4.2 U	210 U	2.9 U	3.3 U	4.2 U
Dichlorodifluoromethane	75-71-8	NC	4.2 U	210 U	2.9 U	3.3 U	4.2 U
Ethylbenzene	100-41-4	1,000	4.2 U	210 U	2.9 U	3.3 U	4.2 U
Isopropylbenzene	98-82-8	NC	4.2 U	210 U	2.9 U	3.3 U	4.2 U
m,p-xylene	XYLMP	See Total Xylenes	8.4 U	410 U	5.9 U	6.7 U	8.3 U
Methyl Acetate	79-20-9	NC	4.2 U	210 U	2.9 U	3.3 U	4.2 U
Methylcyclohexane	108-87-2	NC	4.2 U	210 U	3.6	3.3 U	4.2 U
Methylene Chloride	75-09-2	50	4.2 U	210 U	2.9 U	3.3 U	4.2 U
MTBE	1634-04-4	930	4.2 U	210 U	2.9 U	3.3 U	4.2 U
n-Butylbenzene	104-51-8	12,000	4.2 U	63 J	2.9 U	3.3 U	4.2 U
n-Propylbenzene	103-65-1	3,900	4.2 U	210 U	2.9 U	3.3 U	4.2 U
o-Xylene	95-47-6	See Total Xylenes	4.2 U	210 U	2.9 U	3.3 U	4.2 U
sec-Butylbenzene	135-98-8	11,000	4.2 U	230	2.9 U	3.3 U	4.2 U
Styrene	100-42-5	NC	4.2 U	210 U	2.9 U	3.3 U	4.2 U
Tert-Butylbenzene	98-06-6	5,900	4.2 U	110 J	1.7 J	3.3 U	4.2 U
Tetrachloroethene	127-18-4	1,300	4.2 U	210 U	2.9 U	3.3 U	4.2 U
Toluene	108-88-3	700	4.2 U	210 U	2.9 U	3.3 U	4.2 U
trans-1,2-Dichloroethene	156-60-5	190	4.2 U	210 U	2.9 U	3.3 U	4.2 U
Trans-1,3-Dichloropropene	10061-02-6	NC	4.2 U	210 U	2.9 U	3.3 U	4.2 U
Trichloroethene	79-01-6	470	4.2 U	210 U	2.9 U	3.3 U	4.2 U
Trichlorofluoromethane	75-69-4	NC	4.2 U	210 U	2.9 U	3.3 U	4.2 U
Trichlorotrifluoroethane	26523-64-8	NC	4.2 U	210 U	2.9 U	3.3 U	4.2 U
Vinyl Chloride	75-01-4	20	4.2 U	210 U	2.9 U	3.3 U	4.2 U
Total Xylenes	NA	330	NA	0	0	0	0
TOTAL VOC TICs	NA	NC	NT	65,300	133.7	15.4	40

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.

[BB] = Sample locations where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 9A - Subsurface Soil Results Compared to Unrestricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SB-TP-144	SB-TP-147	TP-101	TP-103	TP-103
		Sample ID	SB-TP-144-4-6-030916	SB-TP-147-16-18-031016	TP-101-2-4-012116	DUP-008-012116	TP-103-0-2-012116
		Sample Date	3/9/2016	3/10/2016	1/21/2016	1/21/2016	1/21/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	R1602058	R1602058	R1600468	R1600468	R1600468
		Start Depth	4	16	2	0	0
		End Depth	6	18	4	2	2
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]					
VOCs							
1,1,1-Trichloroethane	71-55-6	680	3.2 U	2.7 U	5.7 R	5.2 U	3.7 U
1,1,2,2-Tetrachloroethane	79-34-5	NC	3.2 U	2.7 U	5.7 R	5.2 U	3.7 U
1,1,2-Trichloroethane	79-00-5	NC	3.2 U	2.7 U	5.7 R	5.2 U	3.7 U
1,1-Dichloroethane	75-34-3	270	3.2 U	2.7 U	5.7 R	5.2 U	3.7 U
1,1-Dichloroethene	75-35-4	330	3.2 U	2.7 U	5.7 R	5.2 U	3.7 U
1,2,3-Trichlorobenzene	87-61-6	NC	3.2 U	2.7 U	5.7 R	5.2 U	3.7 U
1,2,4-Trichlorobenzene	120-82-1	NC	3.2 U	2.7 U	5.7 R	5.2 U	3.7 U
1,2,4-Trimethylbenzene	95-63-6	3,600	3.2 U	1.2 J	5.7 R	5.2 U	3.7 U
1,2-Dibromo-3-chloropropane	96-12-8	NC	3.2 U	2.7 U	5.7 R	5.2 U	3.7 U
1,2-Dibromoethane	106-93-4	NC	3.2 U	2.7 U	5.7 R	5.2 U	3.7 U
1,2-Dichlorobenzene	95-50-1	1,100	3.2 U	2.7 U	5.7 R	5.2 U	3.7 U
1,2-Dichloroethane	107-06-2	20	3.2 U	2.7 U	5.7 R	5.2 U	3.7 U
1,2-Dichloropropane	78-87-5	NC	3.2 U	2.7 U	5.7 R	5.2 U	3.7 U
1,3,5-Trimethylbenzene	108-67-8	8,400	3.2 U	0.53 J	5.7 R	5.2 U	3.7 U
1,3-Dichlorobenzene	541-73-1	2,400	3.2 U	2.7 U	5.7 R	5.2 U	3.7 U
1,4-Dichlorobenzene	106-46-7	1,800	3.2 U	2.7 U	5.7 R	5.2 U	3.7 U
1,4-Dioxane	123-91-1	100	64 R	54 R	110 R	100 R	74 R
2-Butanone	78-93-3	120	3.2 U	2.7 U	5.7 R	5.2 U	3.7 U
2-Hexanone	591-78-6	NC	3.2 U	2.7 U	5.7 R	5.2 U	3.7 U
4-Isopropyltoluene	99-87-6	NC	3.2 U	2.7 U	5.7 R	5.2 U	3.7 U
4-Methyl-2-Pentanone	108-10-1	NC	3.2 U	2.7 U	5.7 R	5.2 U	3.7 U
Acetone	67-64-1	50	3.2 U	2.4 J	5.7 R	3.3 J	83 J
Benzene	71-43-2	60	3.2 U	1.5 J	5.7 R	5.2 U	3.7 U
Bromochloromethane	74-97-5	NC	3.2 U	2.7 U	5.7 R	5.2 U	3.7 U
Bromodichloromethane	75-27-4	NC	3.2 U	2.7 U	5.7 R	5.2 U	3.7 U
Bromoform	75-25-2	NC	3.2 U	2.7 U	5.7 U	5.2 U	3.7 U
Bromomethane	74-83-9	NC	3.2 UJ	2.7 U	6.3 J	5.2 U	3.7 U
Carbon disulfide	75-15-0	NC	3.2 U	3.2	5.7 R	5.2 U	3.7 U
Carbon Tetrachloride	56-23-5	760	3.2 U	2.7 U	5.7 R	5.2 U	3.7 U
Chlorobenzene	108-90-7	1,100	3.2 U	2.7 U	5.7 R	5.2 U	3.7 U
Chloroethane	75-00-3	NC	3.2 U	2.7 U	5.7 R	5.2 UJ	3.7 UJ
Chloroform	67-66-3	370	3.2 U	2.7 U	5.7 R	5.2 U	3.7 U
Chloromethane	74-87-3	NC	3.2 U	2.7 U	2 J	5.2 U	3.7 U
cis-1,2-Dichloroethene	156-59-2	250	3.2 U	2.7 U	5.7 R	5.2 U	3.7 U
Cis-1,3-Dichloropropene	10061-01-5	NC	3.2 U	2.7 U	5.7 R	5.2 U	3.7 U
Cyclohexane	110-82-7	NC	3.2 U	3.2	5.7 R	5.2 U	3.7 U
Dibromochloromethane	124-48-1	NC	3.2 U	2.7 U	5.7 R	5.2 U	3.7 U
Dichlorodifluoromethane	75-71-8	NC	3.2 U	2.7 U	5.7 R	5.2 U	3.7 U
Ethylbenzene	100-41-4	1,000	3.2 U	0.34 J	5.7 R	5.2 U	3.7 U
Isopropylbenzene	98-82-8	NC	3.2 U	2.7 U	5.7 UJ	5.2 U	3.7 U
m,p-xylene	XYLMP	See Total Xylenes	6.4 U	2.5 J	11 R	10 U	7.4 U
Methyl Acetate	79-20-9	NC	3.2 U	2.7 U	25	5.2 U	3.2 J
Methylcyclohexane	108-87-2	NC	3.2 U	5.1	5.7 R	5.2 U	3.7 U
Methylene Chloride	75-09-2	50	3.2 U	2.7 U	5.7 R	5.2 U	3.7 U
MTBE	1634-04-4	930	3.2 U	2.7 U	5.7 R	5.2 U	3.7 U
n-Butylbenzene	104-51-8	12,000	3.2 U	2.7 U	5.7 R	5.2 U	3.7 U
n-Propylbenzene	103-65-1	3,900	3.2 U	2.7 U	5.7 R	5.2 U	3.7 U
o-Xylene	95-47-6	See Total Xylenes	3.2 U	0.74 J	5.7 R	5.2 U	3.7 U
sec-Butylbenzene	135-98-8	11,000	3.2 U	2.7 U	5.7 R	5.2 U	3.7 U
Styrene	100-42-5	NC	3.2 U	0.32 J	5.7 R	5.2 U	3.7 U
Tert-Butylbenzene	98-06-6	5,900	3.2 U	2.7 U	5.7 R	5.2 U	3.7 U
Tetrachloroethene	127-18-4	1,300	3.2 U	2.7 U	5.7 R	5.2 U	3.7 U
Toluene	108-88-3	700	3.2 U	3	3.8 J	5.2 U	3.7 U
trans-1,2-Dichloroethene	156-60-5	190	3.2 U	2.7 U	5.7 R	5.2 U	3.7 U
Trans-1,3-Dichloropropene	10061-02-6	NC	3.2 U	2.7 U	5.7 R	5.2 U	3.7 U
Trichloroethene	79-01-6	470	3.2 U	2.7 U	5.7 R	5.2 U	3.7 U
Trichlorofluoromethane	75-69-4	NC	3.2 U	2.7 U	5.7 R	5.2 U	3.7 U
Trichlorotrifluoroethane	26523-64-8	NC	3.2 U	2.7 U	5.7 U	5.2 U	3.7 U
Vinyl Chloride	75-01-4	20	3.2 U	2.7 U	5.7 R	5.2 U	3.7 U
Total Xylenes	NA	330	0	3.24	R	0	0
TOTAL VOC TICs	NA	NC	4.4	45.4	41.8	0	0

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.

[BB] = Sample locations where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 9A - Subsurface Soil Results Compared to Unrestricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	TP-104	TP-106	TP-107	TP-108	TP-109[BB]
		Sample ID	TP-104-0-2-012216	TP-106-1.5-4-012216	TP-107-0-2-012216	TP-108-0-1.5-012516	TP-109-4-4.5-012516
		Sample Date	1/22/2016	1/22/2016	1/22/2016	1/25/2016	1/25/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	R1600468	R1600468	R1600468	R1600634	R1600634
		Start Depth	0	1.5	0	0	4
		End Depth	2	4	2	1.5	4.5
Chemical Name	**CAS #**	**NY Part 375 Unrestricted SCO[1]**					
VOCs							
1,1,1-Trichloroethane	71-55-6	680	13 U	11 U	9.9 U	4.9 U	4.3 U
1,1,2,2-Tetrachloroethane	79-34-5	NC	13 U	11 U	9.9 U	4.9 U	4.3 U
1,1,2-Trichloroethane	79-00-5	NC	13 U	11 U	9.9 U	4.9 U	4.3 U
1,1-Dichloroethane	75-34-3	270	13 U	11 U	9.9 U	4.9 UJ	4.3 UJ
1,1-Dichloroethene	75-35-4	330	13 U	11 U	9.9 U	4.9 UJ	4.3 U
1,2,3-Trichlorobenzene	87-61-6	NC	13 U	11 U	9.9 U	4.9 U	4.3 U
1,2,4-Trichlorobenzene	120-82-1	NC	13 U	11 U	9.9 U	4.9 U	4.3 U
1,2,4-Trimethylbenzene	95-63-6	3,600	13 U	11 U	9.9 U	4.9 U	4.3 U
1,2-Dibromo-3-chloropropane	96-12-8	NC	13 U	11 U	9.9 U	4.9 U	4.3 U
1,2-Dibromoethane	106-93-4	NC	13 U	11 U	9.9 U	4.9 U	4.3 U
1,2-Dichlorobenzene	95-50-1	1,100	13 U	11 U	9.9 U	4.9 U	4.3 U
1,2-Dichloroethane	107-06-2	20	13 U	11 U	9.9 U	4.9 U	4.3 U
1,2-Dichloropropane	78-87-5	NC	13 U	11 U	9.9 U	4.9 U	4.3 U
1,3,5-Trimethylbenzene	108-67-8	8,400	13 U	11 U	9.9 U	4.9 U	4.3 U
1,3-Dichlorobenzene	541-73-1	2,400	13 U	11 U	9.9 U	4.9 U	4.3 U
1,4-Dichlorobenzene	106-46-7	1,800	13 U	11 U	9.9 U	4.9 U	4.3 U
1,4-Dioxane	123-91-1	100	260 R	230 R	200 R	99 R	86 R
2-Butanone	78-93-3	120	13 U	11 U	9.9 U	4.9 U	4.3 U
2-Hexanone	591-78-6	NC	13 U	11 U	9.9 U	4.9 U	4.3 U
4-Isopropyltoluene	99-87-6	NC	13 U	11 U	9.9 U	4.9 U	4.3 U
4-Methyl-2-Pentanone	108-10-1	NC	13 U	11 U	9.9 U	4.9 U	4.3 U
Acetone	67-64-1	50	28	22	9.9 U	18 J	4.3 UJ
Benzene	71-43-2	60	13 U	11 U	9.9 U	4.9 U	4.3 U
Bromochloromethane	74-97-5	NC	13 U	11 U	9.9 U	4.9 U	4.3 U
Bromodichloromethane	75-27-4	NC	13 U	11 U	9.9 U	4.9 U	4.3 U
Bromoform	75-25-2	NC	13 U	11 U	9.9 U	4.9 UJ	4.3 UJ
Bromomethane	74-83-9	NC	13 U	11 U	9.9 U	4.9 U	4.3 U
Carbon disulfide	75-15-0	NC	13 U	11 U	9.9 U	4.9 U	4.3 U
Carbon Tetrachloride	56-23-5	760	13 U	11 UJ	9.9 U	4.9 U	4.3 U
Chlorobenzene	108-90-7	1,100	13 U	11 U	9.9 U	4.9 U	4.3 U
Chloroethane	75-00-3	NC	13 UJ	11 UJ	9.9 UJ	4.9 U	4.3 U
Chloroform	67-66-3	370	13 U	11 U	9.9 U	4.9 U	4.3 U
Chloromethane	74-87-3	NC	13 U	11 U	9.9 U	4.9 U	4.3 U
cis-1,2-Dichloroethene	156-59-2	250	13 U	11 U	9.9 U	4.9 U	4.3 U
Cis-1,3-Dichloropropene	10061-01-5	NC	13 U	11 U	9.9 U	4.9 U	4.3 U
Cyclohexane	110-82-7	NC	13 U	11 U	9.9 U	4.9 U	4.3 U
Dibromochloromethane	124-48-1	NC	13 U	11 U	9.9 U	4.9 U	4.3 U
Dichlorodifluoromethane	75-71-8	NC	13 U	11 U	9.9 U	4.9 U	4.3 U
Ethylbenzene	100-41-4	1,000	13 U	11 U	9.9 U	4.9 U	4.3 U
Isopropylbenzene	98-82-8	NC	13 U	11 U	9.9 U	4.9 U	4.3 U
m,p-xylene	XYLMP	See Total Xylenes	26 U	23 U	20 U	9.9 U	8.6 U
Methyl Acetate	79-20-9	NC	13 U	7 J	9.9 U	4.9 U	4.3 U
Methylcyclohexane	108-87-2	NC	13 U	11 U	9.9 U	4.9 U	4.3 U
Methylene Chloride	75-09-2	50	13 U	11 U	9.9 U	4.9 U	4.3 U
MTBE	1634-04-4	930	13 U	11 U	9.9 U	4.9 U	4.3 U
n-Butylbenzene	104-51-8	12,000	13 U	11 U	9.9 U	4.9 U	4.3 U
n-Propylbenzene	103-65-1	3,900	13 U	11 U	9.9 U	4.9 U	4.3 U
o-Xylene	95-47-6	See Total Xylenes	13 U	11 U	9.9 U	4.9 U	4.3 U
sec-Butylbenzene	135-98-8	11,000	13 U	11 U	9.9 U	4.9 U	4.3 U
Styrene	100-42-5	NC	13 U	11 U	9.9 U	4.9 U	4.3 U
Tert-Butylbenzene	98-06-6	5,900	13 U	11 U	9.9 U	4.9 U	4.3 U
Tetrachloroethene	127-18-4	1,300	13 U	11 U	9.9 U	4.9 U	4.3 U
Toluene	108-88-3	700	13 U	11 U	9.9 U	4.9 U	4.3 U
trans-1,2-Dichloroethene	156-60-5	190	13 U	11 U	9.9 U	4.9 U	4.3 U
Trans-1,3-Dichloropropene	10061-02-6	NC	13 U	11 U	9.9 U	4.9 U	4.3 U
Trichloroethene	79-01-6	470	13 U	11 U	9.9 U	4.9 U	4.3 U
Trichlorofluoromethane	75-69-4	NC	13 U	11 U	9.9 U	4.9 U	4.3 U
Trichlorotrifluoroethane	26523-64-8	NC	13 U	11 U	9.9 U	4.9 U	4.3 U
Vinyl Chloride	75-01-4	20	13 U	11 U	9.9 U	4.9 U	4.3 U
Total Xylenes	NA	330	0	0	0	0	0
TOTAL VOC TICs	NA	NC	0	0	0	5.5	0

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.

[BB] = Sample locations where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 9A - Subsurface Soil Results Compared to Unrestricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	TP-110	TP-112	TP-113	TP-116	TP-117
		Sample ID	TP-110-1.5-2-012516	TP-112-3.5-4-012516	TP-113-1.5-2-012516	TP-116-7-8-011516	TP-117-1.5-2-011516
		Sample Date	1/25/2016	1/25/2016	1/25/2016	1/15/2016	1/15/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	R1600634	R1600634	R1600634	R1600468	R1600468
		Start Depth	1.5	3.5	1.5	7	1.5
		End Depth	2	4	2	8	2
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]					
VOCs							
1,1,1-Trichloroethane	71-55-6	680	8.4 U	3.9 U	4 U	7.2 U	4.6 U
1,1,2,2-Tetrachloroethane	79-34-5	NC	8.4 U	3.9 U	4 U	7.2 U	4.6 UJ
1,1,2-Trichloroethane	79-00-5	NC	8.4 U	3.9 U	4 U	7.2 U	4.6 U
1,1-Dichloroethane	75-34-3	270	8.4 U	3.9 U	4 U	7.2 U	4.6 U
1,1-Dichloroethene	75-35-4	330	8.4 U	3.9 U	4 U	7.2 U	4.6 U
1,2,3-Trichlorobenzene	87-61-6	NC	8.4 U	3.9 U	4 U	7.2 U	4.6 UJ
1,2,4-Trichlorobenzene	120-82-1	NC	8.4 U	3.9 U	4 U	7.2 U	4.6 UJ
1,2,4-Trimethylbenzene	95-63-6	3,600	8.4 U	3.9 U	4 U	7.2 U	4.6 UJ
1,2-Dibromo-3-chloropropane	96-12-8	NC	8.4 U	3.9 U	4 U	7.2 U	4.6 UJ
1,2-Dibromoethane	106-93-4	NC	8.4 U	3.9 U	4 U	7.2 U	4.6 U
1,2-Dichlorobenzene	95-50-1	1,100	8.4 U	3.9 U	4 U	7.2 U	4.6 UJ
1,2-Dichloroethane	107-06-2	20	8.4 U	3.9 U	4 U	7.2 U	4.6 U
1,2-Dichloropropane	78-87-5	NC	8.4 U	3.9 U	4 U	7.2 U	4.6 U
1,3,5-Trimethylbenzene	108-67-8	8,400	8.4 U	3.9 U	4 U	7.2 U	4.6 UJ
1,3-Dichlorobenzene	541-73-1	2,400	8.4 U	3.9 U	4 U	7.2 U	4.6 UJ
1,4-Dichlorobenzene	106-46-7	1,800	8.4 U	3.9 U	4 U	7.2 U	4.6 UJ
1,4-Dioxane	123-91-1	100	170 R	78 R	80 R	140 R	92 R
2-Butanone	78-93-3	120	8.4 U	3.9 U	4 U	5.5 J	4.6 U
2-Hexanone	591-78-6	NC	8.4 U	3.9 U	4 U	7.2 U	4.6 U
4-Isopropyltoluene	99-87-6	NC	8.4 U	3.9 U	4 U	7.2 U	4.6 UJ
4-Methyl-2-Pentanone	108-10-1	NC	8.4 U	3.9 U	4 U	7.2 U	4.6 U
Acetone	67-64-1	50	8.4 U	4.7 UJ	4 UJ	42	8.3
Benzene	71-43-2	60	8.4 U	3.9 U	4 U	7.2 U	4.6 U
Bromochloromethane	74-97-5	NC	8.4 U	3.9 U	4 U	7.2 U	4.6 U
Bromodichloromethane	75-27-4	NC	8.4 U	3.9 U	4 U	7.2 U	4.6 U
Bromoform	75-25-2	NC	8.4 UJ	3.9 UJ	4 UJ	7.2 U	4.6 U
Bromomethane	74-83-9	NC	8.4 U	3.9 U	4 U	7.2 U	4.6 U
Carbon disulfide	75-15-0	NC	8.4 U	3.9 U	4 U	7.2 U	4.6 U
Carbon Tetrachloride	56-23-5	760	8.4 U	3.9 U	4 U	7.2 U	4.6 U
Chlorobenzene	108-90-7	1,100	8.4 U	3.9 U	4 U	7.2 U	4.6 U
Chloroethane	75-00-3	NC	8.4 U	3.9 U	4 U	7.2 U	4.6 U
Chloroform	67-66-3	370	8.4 U	3.9 U	4 U	7.2 U	4.6 U
Chloromethane	74-87-3	NC	8.4 U	3.9 U	4 U	7.2 U	4.6 U
cis-1,2-Dichloroethene	156-59-2	250	8.4 U	3.9 U	4 U	7.2 U	4.6 U
Cis-1,3-Dichloropropene	10061-01-5	NC	8.4 U	3.9 U	4 U	7.2 U	4.6 U
Cyclohexane	110-82-7	NC	8.4 U	3.9 U	4 U	7.2 U	4.6 U
Dibromochloromethane	124-48-1	NC	8.4 U	3.9 U	4 U	7.2 U	4.6 U
Dichlorodifluoromethane	75-71-8	NC	8.4 U	3.9 U	4 U	7.2 U	4.6 U
Ethylbenzene	100-41-4	1,000	8.4 U	3.9 U	4 U	7.2 U	4.6 U
Isopropylbenzene	98-82-8	NC	8.4 U	3.9 U	4 U	7.2 U	4.6 U
m,p-xylene	XYLMP	See Total Xylenes	17 U	7.8 U	8 U	14 U	9.2 U
Methyl Acetate	79-20-9	NC	8.4 UJ	3.9 UJ	4 UJ	7.2 U	4.6 U
Methylcyclohexane	108-87-2	NC	8.4 U	3.9 U	4 U	7.2 U	4.6 U
Methylene Chloride	75-09-2	50	8.4 U	3.9 U	4 U	7.2 U	4.6 U
MTBE	1634-04-4	930	8.4 U	3.9 U	4 U	7.2 U	4.6 U
n-Butylbenzene	104-51-8	12,000	8.4 U	3.9 U	4 U	7.2 U	4.6 UJ
n-Propylbenzene	103-65-1	3,900	8.4 U	3.9 U	4 U	7.2 U	4.6 UJ
o-Xylene	95-47-6	See Total Xylenes	8.4 U	3.9 U	4 U	7.2 U	4.6 U
sec-Butylbenzene	135-98-8	11,000	8.4 U	3.9 U	4 U	7.2 U	4.6 UJ
Styrene	100-42-5	NC	8.4 U	3.9 U	4 U	7.2 U	4.6 U
Tert-Butylbenzene	98-06-6	5,900	8.4 U	3.9 U	4 U	7.2 U	4.6 UJ
Tetrachloroethene	127-18-4	1,300	8.4 U	3.9 U	4 U	7.2 U	4.6 U
Toluene	108-88-3	700	8.4 U	3.9 U	4 U	7.2 U	4.6 U
trans-1,2-Dichloroethene	156-60-5	190	8.4 U	3.9 U	4 U	7.2 U	4.6 U
Trans-1,3-Dichloropropene	10061-02-6	NC	8.4 U	3.9 U	4 U	7.2 U	4.6 U
Trichloroethene	79-01-6	470	8.4 U	3.9 U	4 U	7.2 U	4.6 U
Trichlorofluoromethane	75-69-4	NC	8.4 U	3.9 U	4 U	7.2 U	4.6 U
Trichlorotrifluoroethane	26523-64-8	NC	8.4 U	3.9 U	4 U	7.2 U	4.6 U
Vinyl Chloride	75-01-4	20	8.4 U	3.9 U	4 U	7.2 U	4.6 U
Total Xylenes	NA	330	0	0	0	0	0
TOTAL VOC TICs	NA	NC	0	0	0	0	0

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.

[BB] = Sample locations where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 9A - Subsurface Soil Results Compared to Unrestricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	TP-118	TP-119	TP-120	TP-120	TP-121
		Sample ID	TP-118-3.5-4-011516	TP-119-5-6-012616	DUP-009-012616	TP-120-4-4.5-012616	TP-121-8-8.5-012616
		Sample Date	1/15/2016	1/26/2016	1/26/2016	1/26/2016	1/26/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	R1600468	R1600634	R1600634	R1600634	R1600634
		Start Depth	3.5	5	4	4	8
		End Depth	4	6	4.5	4.5	8.5
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]					
VOCs							
1,1,1-Trichloroethane	71-55-6	680	6.6 U	4.2 U	3.1 U	2.9 U	2.6 R
1,1,2,2-Tetrachloroethane	79-34-5	NC	6.6 U	4.2 U	3.1 U	2.9 U	2.6 R
1,1,2-Trichloroethane	79-00-5	NC	6.6 U	4.2 U	3.1 U	2.9 U	2.6 R
1,1-Dichloroethane	75-34-3	270	6.6 U	4.2 UJ	3.1 UJ	2.9 U	2.6 R
1,1-Dichloroethene	75-35-4	330	6.6 U	4.2 U	3.1 U	2.9 U	2.6 R
1,2,3-Trichlorobenzene	87-61-6	NC	6.6 U	4.2 U	3.1 U	2.9 U	2.6 R
1,2,4-Trichlorobenzene	120-82-1	NC	6.6 U	4.2 U	3.1 U	2.9 U	2.6 R
1,2,4-Trimethylbenzene	95-63-6	3,600	6.6 U	4.2 U	3.1 U	2.9 U	2.6 R
1,2-Dibromo-3-chloropropane	96-12-8	NC	6.6 U	4.2 U	3.1 U	2.9 U	2.6 R
1,2-Dibromoethane	106-93-4	NC	6.6 U	4.2 U	3.1 U	2.9 U	2.6 R
1,2-Dichlorobenzene	95-50-1	1,100	6.6 U	4.2 U	3.1 U	2.9 U	2.6 R
1,2-Dichloroethane	107-06-2	20	6.6 U	4.2 U	3.1 U	2.9 U	2.6 R
1,2-Dichloropropane	78-87-5	NC	6.6 U	4.2 U	3.1 U	2.9 U	2.6 R
1,3,5-Trimethylbenzene	108-67-8	8,400	6.6 U	4.2 U	3.1 U	2.9 U	2.6 R
1,3-Dichlorobenzene	541-73-1	2,400	6.6 U	4.2 U	3.1 U	2.9 U	2.6 R
1,4-Dichlorobenzene	106-46-7	1,800	6.6 U	4.2 U	3.1 U	2.9 U	2.6 R
1,4-Dioxane	123-91-1	100	130 R	85 R	62 R	58 R	51 R
2-Butanone	78-93-3	120	6.6 U	4.9	10	5.9	3.8 J
2-Hexanone	591-78-6	NC	6.6 U	4.2 U	3.1 U	2.9 U	2.6 R
4-Isopropyltoluene	99-87-6	NC	6.6 U	4.2 U	3.1 U	2.9 U	2.6 R
4-Methyl-2-Pentanone	108-10-1	NC	6.6 U	4.2 U	3.1 U	2.9 U	2.6 R
Acetone	67-64-1	50	6.9	34 J	47 J	95 J	26 J
Benzene	71-43-2	60	6.6 U	4.2 U	0.45 J	2.9 U	2.6 R
Bromochloromethane	74-97-5	NC	6.6 U	4.2 U	3.1 U	2.9 U	2.6 R
Bromodichloromethane	75-27-4	NC	6.6 U	4.2 U	3.1 U	2.9 U	2.6 R
Bromoform	75-25-2	NC	6.6 U	4.2 UJ	3.1 UJ	2.9 UJ	2.6 UJ
Bromomethane	74-83-9	NC	6.6 U	4.2 U	3.1 U	2.9 U	2.6 R
Carbon disulfide	75-15-0	NC	6.6 U	4.2 U	3.1 U	2.9 U	2.6 R
Carbon Tetrachloride	56-23-5	760	6.6 U	4.2 U	3.1 U	2.9 U	2.6 R
Chlorobenzene	108-90-7	1,100	6.6 U	4.2 U	3.1 U	2.9 U	2.6 R
Chloroethane	75-00-3	NC	6.6 U	4.2 U	3.1 U	2.9 U	2.6 R
Chloroform	67-66-3	370	6.6 U	4.2 U	3.1 U	2.9 U	2.6 R
Chloromethane	74-87-3	NC	6.6 U	4.2 U	3.1 U	2.9 U	2.6 R
cis-1,2-Dichloroethene	156-59-2	250	6.6 U	4.2 U	3.1 U	2.9 U	2.6 R
Cis-1,3-Dichloropropene	10061-01-5	NC	6.6 U	4.2 U	3.1 U	2.9 U	2.6 R
Cyclohexane	110-82-7	NC	6.6 U	4.2 U	3.1 U	2.9 U	2.6 R
Dibromochloromethane	124-48-1	NC	6.6 U	4.2 U	3.1 U	2.9 U	2.6 R
Dichlorodifluoromethane	75-71-8	NC	6.6 U	4.2 U	3.1 U	2.9 U	2.6 R
Ethylbenzene	100-41-4	1,000	6.6 U	4.2 U	3.1 U	2.9 U	2.6 R
Isopropylbenzene	98-82-8	NC	6.6 U	4.2 U	3.1 U	2.9 U	2.6 UJ
m,p-xylene	XYLMP	See Total Xylenes	13 U	8.5 U	1.8 J	5.8 U	5.1 R
Methyl Acetate	79-20-9	NC	6.6 U	4.2 U	1.4 J	2.9 UJ	2.6 R
Methylcyclohexane	108-87-2	NC	6.6 U	4.2 U	1.1 J	79 J	1.5 J
Methylene Chloride	75-09-2	50	6.6 U	4.2 U	3.1 U	0.63 J	1 J
MTBE	1634-04-4	930	6.6 U	4.2 U	3.1 U	2.9 U	2.6 R
n-Butylbenzene	104-51-8	12,000	6.6 U	4.2 U	3.1 U	2.9 U	2.6 R
n-Propylbenzene	103-65-1	3,900	6.6 U	4.2 U	3.1 U	2.9 U	2.6 R
o-Xylene	95-47-6	See Total Xylenes	6.6 U	4.2 U	3.1 U	2.9 U	2.6 R
sec-Butylbenzene	135-98-8	11,000	6.6 U	4.2 U	3.1 U	2.9 U	2.6 R
Styrene	100-42-5	NC	6.6 U	4.2 U	3.1 U	2.9 U	2.6 R
Tert-Butylbenzene	98-06-6	5,900	6.6 U	4.2 U	3.1 U	2.1 J	1.1 J
Tetrachloroethene	127-18-4	1,300	6.6 U	4.2 U	3.1 U	2.9 U	2.6 R
Toluene	108-88-3	700	6.6 U	4.2 U	0.92 J	2.9 U	2.6 R
trans-1,2-Dichloroethene	156-60-5	190	6.6 U	4.2 U	3.1 U	2.9 U	2.6 R
Trans-1,3-Dichloropropene	10061-02-6	NC	6.6 U	4.2 U	3.1 U	2.9 U	2.6 R
Trichloroethene	79-01-6	470	6.6 U	4.2 U	3.1 U	2.9 U	2.6 R
Trichlorofluoromethane	75-69-4	NC	6.6 U	4.2 U	3.1 U	2.9 U	2.6 R
Trichlorotrifluoroethane	26523-64-8	NC	6.6 U	4.2 U	3.1 U	2.9 U	2.6 R
Vinyl Chloride	75-01-4	20	6.6 U	4.2 U	3.1 U	2.9 U	2.6 R
Total Xylenes	NA	330	0	0	1.8	0	R
TOTAL VOC TICs	NA	NC	20	100.6	0	994	19.7

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.

[BB] = Sample locations where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 9A - Subsurface Soil Results Compared to Unrestricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	TP-122	TP-123	TP-124	TP-125	TP-127
		Sample ID	TP-122-7-8-012716	TP-123-4.5-5-012616	TP-124-7.5-8-012616	TP-125-3-4-012716	TP-127-8-8.5-012716
		Sample Date	1/27/2016	1/26/2016	1/26/2016	1/27/2016	1/27/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	R1600634	R1600634	R1600634	R1600634	R1600634
		Start Depth	7	4.5	7.5	3	8
		End Depth	8	5	8	4	8.5
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]					
VOCs							
1,1,1-Trichloroethane	71-55-6	680	1.9 U	230 U	180 U	2.7 U	490 U
1,1,2,2-Tetrachloroethane	79-34-5	NC	1.9 U	230 U	180 U	2.7 U	490 U
1,1,2-Trichloroethane	79-00-5	NC	1.9 U	230 U	180 U	2.7 U	490 U
1,1-Dichloroethane	75-34-3	270	1.9 UJ	230 U	180 U	2.7 UJ	490 U
1,1-Dichloroethene	75-35-4	330	1.9 U	230 U	180 U	2.7 U	490 U
1,2,3-Trichlorobenzene	87-61-6	NC	1.9 U	230 U	180 U	2.7 U	490 U
1,2,4-Trichlorobenzene	120-82-1	NC	1.9 U	230 U	180 U	2.7 U	490 U
1,2,4-Trimethylbenzene	95-63-6	3,600	0.25 J	250	130 J	2.7 U	490 U
1,2-Dibromo-3-chloropropane	96-12-8	NC	1.9 U	230 U	180 U	2.7 U	490 U
1,2-Dibromoethane	106-93-4	NC	1.9 U	230 U	180 U	2.7 U	490 U
1,2-Dichlorobenzene	95-50-1	1,100	1.9 U	230 U	180 U	2.7 U	490 U
1,2-Dichloroethane	107-06-2	20	1.9 U	230 U	180 U	2.7 U	490 U
1,2-Dichloropropane	78-87-5	NC	1.9 U	230 U	180 U	2.7 U	490 U
1,3,5-Trimethylbenzene	108-67-8	8,400	1.9 U	210 J	120 J	2.7 U	490 U
1,3-Dichlorobenzene	541-73-1	2,400	1.9 U	230 U	180 U	2.7 U	490 U
1,4-Dichlorobenzene	106-46-7	1,800	1.9 U	230 U	180 U	2.7 U	490 U
1,4-Dioxane	123-91-1	100	38 R	4,600 R	3,700 R	54 R	9,700 R
2-Butanone	78-93-3	120	5.4	230 U	180 UJ	1.4 J	240 J
2-Hexanone	591-78-6	NC	1.9 U	230 U	180 U	2.7 U	490 U
4-Isopropyltoluene	99-87-6	NC	1.9 U	230 U	180 U	2.7 U	490 U
4-Methyl-2-Pentanone	108-10-1	NC	1.9 U	230 U	180 U	2.7 U	490 U
Acetone	67-64-1	50	31 J	230 U	180 U	12 J	490 U
Benzene	71-43-2	60	1.9 U	68 J	180 U	2.7 U	490 U
Bromochloromethane	74-97-5	NC	1.9 U	230 U	180 U	2.7 U	490 U
Bromodichloromethane	75-27-4	NC	1.9 U	230 U	180 U	2.7 U	490 U
Bromoform	75-25-2	NC	1.9 UJ	230 U	180 U	2.7 UJ	490 U
Bromomethane	74-83-9	NC	1.9 U	230 U	180 U	2.7 U	490 U
Carbon disulfide	75-15-0	NC	1.9 U	230 U	180 U	2.7 U	490 U
Carbon Tetrachloride	56-23-5	760	1.9 U	230 U	180 U	2.7 U	490 U
Chlorobenzene	108-90-7	1,100	1.1 J	230 U	180 U	2.7 U	490 U
Chloroethane	75-00-3	NC	1.9 U	230 U	180 U	2.7 U	490 U
Chloroform	67-66-3	370	1.9 U	230 U	180 U	2.7 U	490 U
Chloromethane	74-87-3	NC	1.9 U	230 U	180 U	2.7 U	490 U
cis-1,2-Dichloroethene	156-59-2	250	1.9 U	230 U	180 U	2.7 U	490 U
Cis-1,3-Dichloropropene	10061-01-5	NC	1.9 U	230 U	180 U	2.7 U	490 U
Cyclohexane	110-82-7	NC	0.85 J	120 J	2,100	2.7 U	490 U
Dibromochloromethane	124-48-1	NC	1.9 U	230 U	180 U	2.7 U	490 U
Dichlorodifluoromethane	75-71-8	NC	1.9 U	230 U	180 U	2.7 U	490 U
Ethylbenzene	100-41-4	1,000	1.9 U	160 J	180 U	2.7 U	490 U
Isopropylbenzene	98-82-8	NC	1.9 U	230 U	57 J	2.7 U	490 U
m,p-xylene	XYLMP	See Total Xylenes	3.8 U	2,400	92 J	5.4 U	970 U
Methyl Acetate	79-20-9	NC	1.9 U	230 U	180 U	2.7 U	230 J
Methylcyclohexane	108-87-2	NC	2.1	570	6,200	2.7 U	330 J
Methylene Chloride	75-09-2	50	1.9 U	230 U	180 U	2.7 U	490 U
MTBE	1634-04-4	930	1.9 U	230 U	180 U	2.7 U	490 U
n-Butylbenzene	104-51-8	12,000	1.9 U	230 U	180 U	2.7 U	490 U
n-Propylbenzene	103-65-1	3,900	1.9 U	42 J	40 J	2.7 U	490 U
o-Xylene	95-47-6	See Total Xylenes	1.9 U	82 J	180 U	2.7 U	490 U
sec-Butylbenzene	135-98-8	11,000	1.9 U	230 U	51 J	2.7 U	490 U
Styrene	100-42-5	NC	1.9 U	230 U	180 U	2.7 U	490 U
Tert-Butylbenzene	98-06-6	5,900	0.26 J	230 U	180 U	2.7 U	70 J
Tetrachloroethene	127-18-4	1,300	1.9 U	230 U	180 U	2.7 U	490 U
Toluene	108-88-3	700	1.9 U	500	180 U	2.7 U	490 U
trans-1,2-Dichloroethene	156-60-5	190	1.9 U	230 U	180 U	2.7 U	490 U
Trans-1,3-Dichloropropene	10061-02-6	NC	1.9 U	230 U	180 U	2.7 U	490 U
Trichloroethene	79-01-6	470	1.9 U	230 U	180 U	2.7 U	490 U
Trichlorofluoromethane	75-69-4	NC	1.9 U	230 U	180 U	2.7 U	490 U
Trichlorotrifluoroethane	26523-64-8	NC	1.9 U	230 U	180 U	2.7 U	490 U
Vinyl Chloride	75-01-4	20	1.9 U	230 U	180 U	2.7 U	490 U
Total Xylenes	NA	330	0	2,482	92	0	0
TOTAL VOC TICs	NA	NC	30.6	2,510	10,060	0	9,080

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.

[BB] = Sample locations where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 9A - Subsurface Soil Results Compared to Unrestricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]	TP-128	TP-129	TP-130	TP-132	TP-133
		Sample ID	TP-128-5-6-012716	TP-129-4-4.5-012816	TP-130-9.5-10-012816	TP-132-3-3.5-012816	TP-133-6.5-7-012716
		Sample Date	1/27/2016	1/28/2016	1/28/2016	1/28/2016	1/27/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	R1600634	R1600810	R1600810	R1600810	R1600634
		Start Depth	5	4	9.5	3	6.5
		End Depth	6	4.5	10	3.5	7
VOCs							
1,1,1-Trichloroethane	71-55-6	680	7 U	2,400 U	7.2 U	2.8 U	5.5 U
1,1,2,2-Tetrachloroethane	79-34-5	NC	7 U	2,400 U	7.2 UJ	2.8 UJ	5.5 U
1,1,2-Trichloroethane	79-00-5	NC	7 U	2,400 U	7.2 U	2.8 U	5.5 U
1,1-Dichloroethane	75-34-3	270	7 UJ	2,400 U	7.2 U	0.74 J	5.5 UJ
1,1-Dichloroethene	75-35-4	330	7 U	2,400 U	7.2 U	2.8 U	5.5 U
1,2,3-Trichlorobenzene	87-61-6	NC	7 U	2,400 U	7.2 UJ	2.8 UJ	5.5 U
1,2,4-Trichlorobenzene	120-82-1	NC	7 U	2,400 U	7.2 UJ	2.8 UJ	5.5 U
1,2,4-Trimethylbenzene	95-63-6	3,600	7 U	13,000	13 J	1.4 J	0.69 J
1,2-Dibromo-3-chloropropane	96-12-8	NC	7 U	2,400 U	7.2 UJ	2.8 UJ	5.5 U
1,2-Dibromoethane	106-93-4	NC	7 U	2,400 U	7.2 U	2.8 U	5.5 U
1,2-Dichlorobenzene	95-50-1	1,100	7 U	2,400 U	7.2 UJ	2.8 UJ	5.5 U
1,2-Dichloroethane	107-06-2	20	7 U	2,400 U	7.2 U	2.8 U	5.5 U
1,2-Dichloropropane	78-87-5	NC	7 U	2,400 U	7.2 U	2.8 U	5.5 U
1,3,5-Trimethylbenzene	108-67-8	8,400	7 U	9,400	5 J	0.72 J	1.1 J
1,3-Dichlorobenzene	541-73-1	2,400	7 U	2,400 U	7.2 UJ	2.8 UJ	5.5 U
1,4-Dichlorobenzene	106-46-7	1,800	7 U	2,400 U	7.2 UJ	2.8 UJ	5.5 U
1,4-Dioxane	123-91-1	100	140 R	47,000 R	140 R	55 R	110 R
2-Butanone	78-93-3	120	8.1	2,400 U	110	7.9	41
2-Hexanone	591-78-6	NC	7 U	2,400 U	7.2 U	2.8 U	5.5 U
4-Isopropyltoluene	99-87-6	NC	7 U	3,000	7.2 UJ	2.8 UJ	5.5 U
4-Methyl-2-Pentanone	108-10-1	NC	7 U	2,400 U	7.2 U	2.8 U	5.5 U
Acetone	67-64-1	50	36 J	2,400 U	420 J	49 J	220 J
Benzene	71-43-2	60	7 U	2,400 U	10	1.6 J	5.5 U
Bromochloromethane	74-97-5	NC	7 U	2,400 U	7.2 U	2.8 U	5.5 U
Bromodichloromethane	75-27-4	NC	7 U	2,400 U	7.2 U	2.8 U	5.5 U
Bromoform	75-25-2	NC	7 UJ	2,400 U	7.2 U	2.8 UJ	5.5 UJ
Bromomethane	74-83-9	NC	7 U	2,400 U	7.2 U	2.8 U	5.5 U
Carbon disulfide	75-15-0	NC	12	2,400 U	15	2.8 U	5.5 U
Carbon Tetrachloride	56-23-5	760	7 U	2,400 U	7.2 UJ	2.8 UJ	5.5 U
Chlorobenzene	108-90-7	1,100	7 U	2,400 U	7.2 U	2.8 U	5.5 U
Chloroethane	75-00-3	NC	7 U	2,400 U	7.2 U	2.8 U	5.5 U
Chloroform	67-66-3	370	7 U	2,400 U	7.2 U	2.8 U	5.5 U
Chloromethane	74-87-3	NC	7 U	2,400 U	7.2 U	2.8 U	5.5 U
cis-1,2-Dichloroethene	156-59-2	250	7 U	2,400 U	7.2 U	2.8 U	5.5 U
Cis-1,3-Dichloropropene	10061-01-5	NC	7 U	2,400 U	7.2 U	2.8 U	5.5 U
Cyclohexane	110-82-7	NC	7 U	7,300	49	10	5.5 U
Dibromochloromethane	124-48-1	NC	7 U	2,400 U	7.2 U	2.8 U	5.5 U
Dichlorodifluoromethane	75-71-8	NC	7 U	2,400 U	7.2 UJ	2.8 UJ	5.5 U
Ethylbenzene	100-41-4	1,000	7 U	2,400 U	2.9 J	0.32 J	5.5 U
Isopropylbenzene	98-82-8	NC	7 U	2,500	7.2 U	2.8 UJ	5.5 U
m,p-xylene	XYLMP	See Total Xylenes	14 U	12,000	15	1.9 J	1.3 J
Methyl Acetate	79-20-9	NC	7 U	2,400 U	9.9	2.8 U	2.7 J
Methylcyclohexane	108-87-2	NC	5 J	25,000	79	12	87
Methylene Chloride	75-09-2	50	0.95 J	2,400 U	7.2 U	2.8 U	5.5 U
MTBE	1634-04-4	930	7 U	2,400 U	7.2 U	2.8 U	5.5 U
n-Butylbenzene	104-51-8	12,000	7 U	2,400 U	7.2 UJ	2.8 UJ	5.5 U
n-Propylbenzene	103-65-1	3,900	7 U	2,500	7.2 UJ	2.8 UJ	5.5 U
o-Xylene	95-47-6	See Total Xylenes	7 U	2,400 U	6.3 J	0.59 J	5.5 U
sec-Butylbenzene	135-98-8	11,000	7 U	540 J	7.2 UJ	2.8 UJ	5.5 U
Styrene	100-42-5	NC	7 U	2,400 U	7.2 U	2.8 U	5.5 U
Tert-Butylbenzene	98-06-6	5,900	7 U	2,400 U	3.9 J	2.8 UJ	1.2 J
Tetrachloroethene	127-18-4	1,300	7 U	2,400 U	7.2 U	2.8 U	5.5 U
Toluene	108-88-3	700	7 U	2,400 U	16	1.9 J	5.5 U
trans-1,2-Dichloroethene	156-60-5	190	7 U	2,400 U	7.2 U	2.8 U	5.5 U
Trans-1,3-Dichloropropene	10061-02-6	NC	7 U	2,400 U	7.2 U	2.8 U	5.5 U
Trichloroethene	79-01-6	470	7 U	2,400 U	7.2 U	2.8 U	5.5 U
Trichlorofluoromethane	75-69-4	NC	7 U	2,400 U	7.2 U	2.8 U	5.5 U
Trichlorotrifluoroethane	26523-64-8	NC	7 U	2,400 U	7.2 U	2.8 U	5.5 U
Vinyl Chloride	75-01-4	20	7 U	2,400 U	7.2 U	2.8 U	5.5 U
Total Xylenes	NA	330	0	12,000	21.3	2.49	1.3
TOTAL VOC TICs	NA	NC	21.7	89,000	1,479	198.7	913

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.

[BB] = Sample locations where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 9A - Subsurface Soil Results Compared to Unrestricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	TP-134	TP-136	TP-137	TP-138	TP-140[BB]
		Sample ID	TP-134-5-6-012816	TP-136-8-8.5-012916	TP-137-9.5-10-012916	TP-138-5-6-011516	TP-140-2.5-3-011416
		Sample Date	1/28/2016	1/29/2016	1/29/2016	1/15/2016	1/14/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	R1600810	R1600810	R1600810	R1600468	R1600423
		Start Depth	5	8	9.5	5	2.5
		End Depth	6	8.5	10	6	3
Chemical Name	**CAS #**	**NY Part 375 Unrestricted SCO[1]**					
VOCs							
1,1,1-Trichloroethane	71-55-6	680	6,300 U	1.8 U	4.3 U	190 U	1.1 J
1,1,2,2-Tetrachloroethane	79-34-5	NC	6,300 U	1.8 U	4.3 U	190 U	6.8 U
1,1,2-Trichloroethane	79-00-5	NC	6,300 U	1.8 U	4.3 U	190 U	6.8 U
1,1-Dichloroethane	75-34-3	270	6,300 U	1.8 U	4.3 U	190 U	6.8 U
1,1-Dichloroethene	75-35-4	330	6,300 U	1.8 U	4.3 U	190 U	6.8 U
1,2,3-Trichlorobenzene	87-61-6	NC	6,300 U	1.8 U	4.3 U	190 U	6.8 U
1,2,4-Trichlorobenzene	120-82-1	NC	6,300 U	1.8 U	4.3 U	190 U	6.8 U
1,2,4-Trimethylbenzene	95-63-6	3,600	4,900 J	1.8 U	4.3 U	190 U	6.8 U
1,2-Dibromo-3-chloropropane	96-12-8	NC	6,300 U	1.8 U	4.3 U	190 UJ	6.8 U
1,2-Dibromoethane	106-93-4	NC	6,300 U	1.8 U	4.3 U	190 U	6.8 U
1,2-Dichlorobenzene	95-50-1	1,100	6,300 U	1.8 U	4.3 U	190 U	6.8 U
1,2-Dichloroethane	107-06-2	20	6,300 U	1.8 U	4.3 U	190 U	6.8 U
1,2-Dichloropropane	78-87-5	NC	6,300 U	1.8 U	4.3 U	190 U	6.8 U
1,3,5-Trimethylbenzene	108-67-8	8,400	3,500 J	1.8 U	4.3 U	190 U	6.8 U
1,3-Dichlorobenzene	541-73-1	2,400	6,300 U	1.8 U	4.3 U	190 U	6.8 U
1,4-Dichlorobenzene	106-46-7	1,800	6,300 U	1.8 U	4.3 U	190 U	6.8 U
1,4-Dioxane	123-91-1	100	130,000 R	36 R	86 R	3,800 R	NA
2-Butanone	78-93-3	120	6,300 UJ	1.3 J	15	100 J	6.8 U
2-Hexanone	591-78-6	NC	6,300 U	1.8 U	4.3 U	190 U	6.8 U
4-Isopropyltoluene	99-87-6	NC	6,300 U	1.8 U	4.3 U	190 U	6.8 U
4-Methyl-2-Pentanone	108-10-1	NC	6,300 U	1.8 U	4.3 U	190 U	6.8 U
Acetone	67-64-1	50	6,300 U	8.2 UJ	76 J	190 U	13
Benzene	71-43-2	60	6,300 U	1.8 U	4.3 U	190 U	6.8 U
Bromochloromethane	74-97-5	NC	6,300 U	1.8 U	4.3 U	190 U	6.8 U
Bromodichloromethane	75-27-4	NC	6,300 U	1.8 U	4.3 U	190 U	6.8 U
Bromoform	75-25-2	NC	6,300 U	1.8 UJ	4.3 UJ	190 U	6.8 U
Bromomethane	74-83-9	NC	6,300 U	1.8 U	4.3 U	190 U	6.8 U
Carbon disulfide	75-15-0	NC	6,300 U	2	6.6	190 U	6.8 U
Carbon Tetrachloride	56-23-5	760	6,300 U	1.8 UJ	4.3 UJ	190 UJ	6.8 U
Chlorobenzene	108-90-7	1,100	6,300 U	1.8 U	4.3 U	190 U	6.8 U
Chloroethane	75-00-3	NC	6,300 U	1.8 U	4.3 U	190 U	6.8 U
Chloroform	67-66-3	370	6,300 U	1.8 U	4.3 U	190 U	6.8 U
Chloromethane	74-87-3	NC	6,300 U	1.8 U	4.3 U	190 U	6.8 U
cis-1,2-Dichloroethene	156-59-2	250	6,300 U	1.8 U	4.3 U	190 U	6.8 U
Cis-1,3-Dichloropropene	10061-01-5	NC	6,300 U	1.8 U	4.3 U	190 U	6.8 U
Cyclohexane	110-82-7	NC	9,800	1.8 U	4.3 U	190 UJ	6.8 U
Dibromochloromethane	124-48-1	NC	6,300 U	1.8 U	4.3 U	190 U	6.8 U
Dichlorodifluoromethane	75-71-8	NC	6,300 U	1.8 UJ	4.3 UJ	190 U	6.8 U
Ethylbenzene	100-41-4	1,000	6,300 U	1.8 U	4.3 U	190 U	6.8 U
Isopropylbenzene	98-82-8	NC	6,300 U	1.8 U	4.3 U	190 U	6.8 U
m,p-xylene	XYLMP	See Total Xylenes	5,900 J	3.6 U	8.6 U	380 U	14 U
Methyl Acetate	79-20-9	NC	6,300 U	1.8 U	4.3 U	190 U	6.8 U
Methylcyclohexane	108-87-2	NC	59,000	1.8 U	4.3 U	190 U	6.8 U
Methylene Chloride	75-09-2	50	6,300 U	1.8 U	4.3 U	190 U	6.8 U
MTBE	1634-04-4	930	6,300 U	1.8 U	4.3 U	190 U	6.8 U
n-Butylbenzene	104-51-8	12,000	6,300 U	1.8 U	4.3 U	190 U	6.8 U
n-Propylbenzene	103-65-1	3,900	6,300 U	1.8 U	4.3 U	190 U	6.8 U
o-Xylene	95-47-6	See Total Xylenes	6,300 U	1.8 U	4.3 U	190 U	6.8 U
sec-Butylbenzene	135-98-8	11,000	6,300 U	1.8 U	4.3 U	140 J	6.8 U
Styrene	100-42-5	NC	6,300 U	1.8 U	4.3 U	190 U	6.8 U
Tert-Butylbenzene	98-06-6	5,900	6,300 U	1.8 U	4.3 U	45 J	6.8 U
Tetrachloroethene	127-18-4	1,300	6,300 U	1.8 U	4.3 U	190 U	6.8 U
Toluene	108-88-3	700	6,300 U	1.8 U	4.3 U	190 U	6.8 U
trans-1,2-Dichloroethene	156-60-5	190	6,300 U	1.8 U	4.3 U	190 U	6.8 U
Trans-1,3-Dichloropropene	10061-02-6	NC	6,300 U	1.8 U	4.3 U	190 U	6.8 U
Trichloroethene	79-01-6	470	6,300 U	1.8 U	4.3 U	190 U	6.8 U
Trichlorofluoromethane	75-69-4	NC	6,300 U	1.8 U	4.3 U	190 U	6.8 U
Trichlorotrifluoroethane	26523-64-8	NC	6,300 U	1.8 U	4.3 U	190 U	6.8 U
Vinyl Chloride	75-01-4	20	6,300 U	1.8 U	4.3 U	190 U	6.8 U
Total Xylenes	NA	330	5,900	0	0	0	0
TOTAL VOC TICs	NA	NC	29,500	2.8	568	37,800	0

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.

[BB] = Sample locations where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 9A - Subsurface Soil Results Compared to Unrestricted SCOs
VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	TP-141	TP-143	TP-148	TP-150[BB]	TP-152
		Sample ID	TP-141-4-5-011416	TP-143-4-6.5-011416	TP-148-2-2.5-012516	TP-150-4-6-011316	TP-152-2.5-3-012916
		Sample Date	1/14/2016	1/14/2016	1/25/2016	1/13/2016	1/29/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	R1600423	R1600423	R1600634	R1600375	R1600810
		Start Depth	4	4	2	4	2.5
		End Depth	5	6.5	2.5	6	3
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]					
VOCs							
1,1,1-Trichloroethane	71-55-6	680	3.3 U	4.4 U	5 U	13 U	4.1 U
1,1,2,2-Tetrachloroethane	79-34-5	NC	3.3 U	4.4 UJ	5 U	13 U	4.1 U
1,1,2-Trichloroethane	79-00-5	NC	3.3 U	4.4 U	5 U	13 U	4.1 U
1,1-Dichloroethane	75-34-3	270	3.3 U	4.4 U	5 UJ	13 U	4.1 U
1,1-Dichloroethene	75-35-4	330	3.3 U	4.4 U	5 U	13 U	4.1 U
1,2,3-Trichlorobenzene	87-61-6	NC	3.3 U	4.4 UJ	5 U	13 U	4.1 U
1,2,4-Trichlorobenzene	120-82-1	NC	3.3 U	4.4 UJ	5 U	13 U	4.1 U
1,2,4-Trimethylbenzene	95-63-6	3,600	3.3 U	4.4 UJ	5 U	13 U	2.2 J
1,2-Dibromo-3-chloropropane	96-12-8	NC	3.3 U	4.4 UJ	5 U	13 U	4.1 U
1,2-Dibromoethane	106-93-4	NC	3.3 U	4.4 U	5 U	13 U	4.1 U
1,2-Dichlorobenzene	95-50-1	1,100	3.3 U	4.4 UJ	5 U	13 U	4.1 U
1,2-Dichloroethane	107-06-2	20	3.3 U	4.4 U	5 U	13 U	4.1 U
1,2-Dichloropropane	78-87-5	NC	3.3 U	4.4 U	5 U	13 U	4.1 U
1,3,5-Trimethylbenzene	108-67-8	8,400	3.3 U	4.4 UJ	5 U	13 U	0.89 J
1,3-Dichlorobenzene	541-73-1	2,400	3.3 U	4.4 UJ	5 U	13 U	4.1 U
1,4-Dichlorobenzene	106-46-7	1,800	3.3 U	4.4 UJ	5 U	13 U	4.1 U
1,4-Dioxane	123-91-1	100	NA	NA	100 R	NA	81 R
2-Butanone	78-93-3	120	3.3 U	11	3.4 J	13 U	5.5
2-Hexanone	591-78-6	NC	3.3 U	4.4 U	5 U	13 U	4.1 U
4-Isopropyltoluene	99-87-6	NC	3.3 U	4.4 UJ	5 U	13 U	4.1 U
4-Methyl-2-Pentanone	108-10-1	NC	3.3 U	4.4 U	5 U	13 U	4.1 U
Acetone	67-64-1	50	3.8 J	48	24 J	17	27 J
Benzene	71-43-2	60	3.3 U	4.4 U	5 U	13 U	4.6
Bromochloromethane	74-97-5	NC	3.3 U	4.4 U	5 U	13 U	4.1 U
Bromodichloromethane	75-27-4	NC	3.3 U	4.4 U	5 U	13 U	4.1 U
Bromoform	75-25-2	NC	3.3 U	4.4 U	5 UJ	13 U	4.1 UJ
Bromomethane	74-83-9	NC	3.3 U	4.4 U	5 U	13 U	4.1 U
Carbon disulfide	75-15-0	NC	3.3 U	4.4 U	5 U	13 U	4.1 U
Carbon Tetrachloride	56-23-5	760	3.3 U	4.4 U	5 U	13 U	4.1 UJ
Chlorobenzene	108-90-7	1,100	3.3 U	4.4 U	5 U	13 U	4.1 U
Chloroethane	75-00-3	NC	3.3 U	4.4 U	5 U	13 U	4.1 U
Chloroform	67-66-3	370	3.3 U	4.4 U	5 U	13 U	4.1 U
Chloromethane	74-87-3	NC	3.3 U	4.4 U	5 U	13 U	4.1 U
cis-1,2-Dichloroethene	156-59-2	250	3.3 U	4.4 U	5 U	13 U	4.1 U
Cis-1,3-Dichloropropene	10061-01-5	NC	3.3 U	4.4 U	5 U	13 U	4.1 U
Cyclohexane	110-82-7	NC	3.3 U	4.4 U	5 U	13 U	23
Dibromochloromethane	124-48-1	NC	3.3 U	4.4 U	5 U	13 U	4.1 UJ
Dichlorodifluoromethane	75-71-8	NC	3.3 U	4.4 U	5 U	13 U	4.1 U
Ethylbenzene	100-41-4	1,000	3.3 U	4.4 U	5 U	13 U	1 J
Isopropylbenzene	98-82-8	NC	3.3 U	4.4 U	5 U	13 U	4.1 U
m,p-xylene	XYLMP	See Total Xylenes	6.6 U	8.9 U	10 U	26 U	4.6 J
Methyl Acetate	79-20-9	NC	3.3 U	4.4 U	5 U	13 U	4.1 U
Methylcyclohexane	108-87-2	NC	3.3 U	4.4 U	5 U	13 U	22
Methylene Chloride	75-09-2	50	3.3 U	4.4 U	5 U	13 U	4.1 UJ
MTBE	1634-04-4	930	3.3 U	4.4 U	5 U	13 U	4.1 U
n-Butylbenzene	104-51-8	12,000	3.3 U	4.4 UJ	5 U	13 U	4.1 U
n-Propylbenzene	103-65-1	3,900	3.3 U	4.4 UJ	5 U	13 U	4.1 U
o-Xylene	95-47-6	See Total Xylenes	3.3 U	4.4 U	5 U	13 U	1.5 J
sec-Butylbenzene	135-98-8	11,000	3.3 U	4.4 UJ	5 U	13 U	4.1 U
Styrene	100-42-5	NC	3.3 U	4.4 U	5 U	13 U	4.1 U
Tert-Butylbenzene	98-06-6	5,900	3.3 U	4.4 UJ	5 U	13 U	4.1 U
Tetrachloroethene	127-18-4	1,300	3.3 U	4.4 U	5 U	13 U	4.1 U
Toluene	108-88-3	700	3.3 U	4.4 U	5 U	13 U	6.8
trans-1,2-Dichloroethene	156-60-5	190	3.3 U	4.4 U	5 U	13 U	4.1 U
Trans-1,3-Dichloropropene	10061-02-6	NC	3.3 U	4.4 U	5 U	13 U	4.1 U
Trichloroethene	79-01-6	470	3.3 U	4.4 U	5 U	13 U	4.1 U
Trichlorofluoromethane	75-69-4	NC	3.3 U	4.4 U	5 U	13 U	4.1 U
Trichlorotrifluoroethane	26523-64-8	NC	3.3 U	4.4 U	5 U	13 U	4.1 U
Vinyl Chloride	75-01-4	20	3.3 U	4.4 U	5 U	13 U	4.1 U
Total Xylenes	NA	330	0	0	0	0	6.1
TOTAL VOC TICs	NA	NC	0	0	0	0	230.7

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.

[BB] = Sample locations where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 9B - Subsurface Soil Results Compared to Unrestricted SCOs
SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	OVR-100	OVR-107	OVR-108	OVR-109	OVR-109
		Sample ID	OVR-100-6-7-04222016	OVR-107-10-11-041216	OVR-108-4.1-5.4-041316	DUP-004-041116	OVR-109-10-11.8-041116
		Sample Date	4/22/2016	4/12/2016	4/13/2016	4/11/2016	4/11/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	2139069	2136537	2139069	2136537	2136537
		Start Depth	6	10	4.1	10	10
		End Depth	7	11	5.4	11.8	11.8
Chemical Name	**CAS #**	**NY Part 375 Unrestricted SCO[1]**					
SVOCs							
1,1'-Biphenyl	92-52-4	NC	35.2 J	121 U	126 U	118 U	133 U
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	140 U	121 U	126 U	118 U	133 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	280 U	242 U	252 U	237 U	266 U
2,4,5-Trichlorophenol	95-95-4	NC	280 U	242 U	252 U	237 U	266 U
2,4,6-Trichlorophenol	88-06-2	NC	280 U	242 U	252 U	237 U	266 U
2,4-Dichlorophenol	120-83-2	NC	280 U	242 U	252 U	237 U	266 U
2,4-Dimethylphenol	105-67-9	NC	280 U	242 U	252 U	237 U	266 U
2,4-Dinitrophenol	51-28-5	NC	490 U	423 U	441 U	414 UJ	465 UJ
2,4-Dinitrotoluene	121-14-2	NC	140 U	121 U	126 U	118 U	133 U
2,6-Dinitrotoluene	606-20-2	NC	140 U	121 U	126 U	118 U	133 U
2-Chloronaphthalene	91-58-7	NC	140 U	121 U	126 U	118 U	133 U
2-Chlorophenol	95-57-8	NC	280 U	242 U	252 U	237 U	266 U
2-Methylnaphthalene	91-57-6	NC	222	121 U	126 U	23.9 J	133 U
2-Methylphenol	95-48-7	330	280 U	242 U	252 U	237 U	266 U
2-Nitroaniline	88-74-4	NC	280 U	242 U	252 U	237 U	266 U
2-Nitrophenol	88-75-5	NC	280 U	242 U	252 U	237 U	266 U
3,3-Dichlorobenzidine	91-94-1	NC	280 U	242 U	252 U	237 U	266 U
3-Nitroaniline	99-09-2	NC	280 U	242 U	252 U	237 U	266 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	280 U	242 U	252 U	237 U	266 U
4-Bromophenyl-phenylether	101-55-3	NC	140 U	121 U	126 U	118 U	133 U
4-Chloro-3-methylphenol	59-50-7	NC	280 U	242 U	252 U	237 U	266 U
4-Chloroaniline	106-47-8	NC	280 U	242 U	252 U	237 U	266 U
4-Chlorophenyl-phenylether	7005-72-3	NC	140 U	121 U	126 U	118 U	133 U
4-Nitroaniline	100-01-6	NC	280 U	242 U	252 U	237 U	266 U
4-Nitrophenol	100-02-7	NC	280 U	242 U	252 U	237 U	266 U
Acenaphthene	83-32-9	20,000	46 J	60.5 U	63 U	26 J	66.5 U
Acenaphthylene	208-96-8	100,000	70 U	60.5 U	63 U	16.5 J	66.5 U
Acetophenone	98-86-2	NC	140 U	121 U	126 U	118 U	133 U
Anthracene	120-12-7	100,000	87.8	60.5 U	63 U	68.4	66.5 U
Atrazine	1912-24-9	NC	140 UJ	121 UJ	126 UJ	118 UJ	133 UJ
Benzaldehyde	100-52-7	NC	92.1 J	242 UJ	252 UJ	237 UJ	266 UJ
Benzidine	92-87-5	NC	280 U	242 U	252 U	237 U	266 U
Benzo[a]anthracene	56-55-3	1,000	359	60.5 U	63 U	152 J	66.5 UJ
Benzo[a]pyrene	50-32-8	1,000	187	60.5 U	63 U	129 J	66.5 UJ
Benzo[b]fluoranthene	205-99-2	1,000	270	60.5 U	63 U	172 J	66.5 UJ
Benzo[g,h,i]perylene	191-24-2	100,000	161	60.5 U	63 U	92.6	66.5 U
Benzo[k]fluoranthene	207-08-9	800	87.1	60.5 U	63 U	61.1	66.5 U
Bis(2-Chloroethoxy)methane	111-91-1	NC	140 U	121 U	126 U	118 U	133 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	140 U	121 U	126 U	118 U	133 U
Bis(2-Chloroisopropyl)ether	108-60-1	NC	140 U	121 U	126 U	118 U	133 U
Bis(2-Ethylhexyl)phthalate	117-81-7	NC	350 U	302 U	315 U	296 U	332 U
Butylbenzylphthalate	85-68-7	NC	140 U	121 U	126 U	118 U	133 U
Caprolactam	105-60-2	NC	280 U	242 U	252 U	237 U	266 U
Carbazole	86-74-8	NC	50.5 J	121 U	126 U	29 J	133 U
Chrysene	218-01-9	1,000	498	60.5 U	63 U	170 J	66.5 UJ
Dibenzo[a,h]Anthracene	53-70-3	330	68.2 J	60.5 U	63 U	28.8 J	66.5 U
Dibenzofuran	132-64-9	7,000	93.7 J	121 U	126 U	118 U	133 U
Diethylphthalate	84-66-2	NC	140 U	121 U	126 U	118 U	133 U
Dimethylphthalate	131-11-3	NC	140 U	121 U	126 U	118 U	133 U
Di-n-butylphthalate	84-74-2	NC	140 U	121 U	126 U	118 U	133 U
Di-n-octylphthalate	117-84-0	NC	140 U	121 U	126 U	118 U	133 U
Fluoranthene	206-44-0	100,000	446	60.5 U	63 U	312 J	40.6 J
Fluorene	86-73-7	30,000	82.1	60.5 U	63 U	42.1 J	66.5 U
Hexachlorobenzene	118-74-1	330	140 U	121 U	126 U	118 U	133 U
Hexachlorobutadiene	87-68-3	NC	140 U	121 U	126 U	118 U	133 U
Hexachlorocyclopentadiene	77-47-4	NC	280 U	242 U	252 U	237 U	266 U
Hexachloroethane	67-72-1	NC	140 U	121 U	126 U	118 U	133 U
Indeno[1,2,3-cd]pyrene	193-39-5	500	155	60.5 U	63 U	99.1	66.5 U
Isophorone	78-59-1	NC	140 U	121 U	126 U	118 U	133 U
m-Cresol & p-Cresol	MEPH1314	330**	67.4 J	242 U	252 U	237 U	266 U
Naphthalene	91-20-3	12,000	177	60.5 U	63 U	39.4 J	66.5 U
Nitrobenzene	98-95-3	NC	140 U	121 U	126 U	118 U	133 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	140 U	121 U	126 U	118 U	133 U
N-Nitrosodiphenylamine	86-30-6	NC	140 U	121 U	126 U	118 U	133 U
Pentachlorophenol	87-86-5	800	280 U	242 U	252 U	237 U	266 U
Phenanthrene	85-01-8	100,000	582	60.5 U	63 U	302 J	63.8 J
Phenol	108-95-2	330	280 U	242 U	252 U	237 U	266 U
Pyrene	129-00-0	100,000	462	60.5 U	63 U	262 J	39.6 J
Pyridine	110-86-1	NC	280 U	242 U	252 U	237 U	266 U
Total SVOC TICs	NA	NC	30,884	N/A	3,701	1,083	6,472

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.

**- action level for Cresol applies to individual isomers.
[BB] = Sample locations where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 9B - Subsurface Soil Results Compared to Unrestricted SCOs
SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	OVR-116	OVR-117	OVR-118	SB-100	SB-101	SB-103
		Sample ID	OVR-116-10-11.9-040116	OVR-117-7-7.6-040716	OVR-118-0.5-1-041316	SB-100-9-10-031016	SB-101-12.5-14-031016	SB-103-4.8-5.8-030416
		Sample Date	4/1/2016	4/7/2016	4/13/2016	3/10/2016	3/10/2016	3/4/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	2136532	2136537	2139069	2130254	2130254	2129473
		Start Depth	10	7	0.5	9	12.5	4.8
		End Depth	11.9	7.6	1	10	14	5.8
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]						
SVOCs								
1,1'-Biphenyl	92-52-4	NC	117 U	18,800	27.2 J	147 U	128 U	154
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	117 U	2,080 U	111 U	147 U	128 U	121 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	234 U	4,150 R	222 U	295 U	255 U	242 U
2,4,5-Trichlorophenol	95-95-4	NC	234 U	4,150 R	222 U	295 U	255 U	242 U
2,4,6-Trichlorophenol	88-06-2	NC	234 U	4,150 R	222 U	295 U	255 U	242 U
2,4-Dichlorophenol	120-83-2	NC	234 U	4,150 R	222 U	295 U	255 U	242 U
2,4-Dimethylphenol	105-67-9	NC	234 U	4,150 R	222 UJ	295 U	255 U	242 U
2,4-Dinitrophenol	51-28-5	NC	409 U	7,260 R	389 U	515 U	447 U	424 U
2,4-Dinitrotoluene	121-14-2	NC	117 U	2,080 U	111 U	147 U	128 U	121 U
2,6-Dinitrotoluene	606-20-2	NC	117 U	2,080 U	111 U	147 U	128 U	121 U
2-Chloronaphthalene	91-58-7	NC	117 U	2,080 U	111 U	147 U	128 U	121 U
2-Chlorophenol	95-57-8	NC	234 U	4,150 R	222 U	295 U	255 U	242 U
2-Methylnaphthalene	91-57-6	NC	117 U	30,600	402	73.2 J	128 U	526
2-Methylphenol	95-48-7	330	234 U	4,150 R	222 U	295 U	255 U	242 U
2-Nitroaniline	88-74-4	NC	234 U	4,150 U	222 U	295 U	255 U	242 U
2-Nitrophenol	88-75-5	NC	234 U	4,150 R	222 U	295 U	255 U	242 U
3,3-Dichlorobenzidine	91-94-1	NC	234 U	4,150 U	222 U	295 U	255 U	242 U
3-Nitroaniline	99-09-2	NC	234 U	4,150 U	222 U	295 U	255 U	242 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	234 U	4,150 R	222 UJ	295 U	255 U	242 U
4-Bromophenyl-phenylether	101-55-3	NC	117 U	2,080 U	111 U	147 U	128 U	121 U
4-Chloro-3-methylphenol	59-50-7	NC	234 U	4,150 R	222 U	295 U	255 U	242 U
4-Chloroaniline	106-47-8	NC	234 U	4,150 U	222 U	295 U	255 U	242 U
4-Chlorophenyl-phenylether	7005-72-3	NC	117 U	2,080 U	111 U	147 U	128 U	121 U
4-Nitroaniline	100-01-6	NC	234 U	4,150 U	222 U	295 U	255 U	242 U
4-Nitrophenol	100-02-7	NC	234 U	4,150 R	222 U	295 U	255 U	242 U
Acenaphthene	83-32-9	20,000	58.5 U	4,080	30.9 J	38.1 J	63.9 U	638
Acenaphthylene	208-96-8	100,000	58.5 U	32,300	63.9	233	63.9 U	60.6 U
Acetophenone	98-86-2	NC	117 U	2,080 U	494 U	362	128 U	121 U
Anthracene	120-12-7	100,000	58.5 U	10,800	92.6 J	191	63.9 U	1,750
Atrazine	1912-24-9	NC	117 UJ	2,080 UJ	111 UJ	147 U	128 U	121 U
Benzaldehyde	100-52-7	NC	234 UJ	4,150 UJ	85.7 J	186 J	255 U	46.2 J
Benzidine	92-87-5	NC	234 U	4,150 U	222 R	295 U	255 U	242 U
Benzo[a]anthracene	56-55-3	1,000	58.5 U	6,230	352 J	505	63.9 U	2,280
Benzo[a]pyrene	50-32-8	1,000	58.5 U	7,490	376 J	686	63.9 U	1,970
Benzo[b]fluoranthene	205-99-2	1,000	58.5 U	6,000	484 J	804	63.9 U	2,680
Benzo[g,h,i]perylene	191-24-2	100,000	58.5 U	5,110	254 J	352	63.9 U	1,310
Benzo[k]fluoranthene	207-08-9	800	58.5 U	2,070	209 J	302	63.9 U	979
Bis(2-Chloroethoxy)methane	111-91-1	NC	117 U	2,080 U	111 U	147 U	128 U	121 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	117 U	2,080 U	111 U	147 U	128 U	121 U
Bis(2-Chloroisopropyl)ether	108-60-1	NC	117 U	2,080 U	111 U	147 UJ	128 UJ	121 U
Bis(2-Ethylhexyl)phthalate	117-81-7	NC	292 U	5,190 U	278 U	368 U	319 U	303 U
Butylbenzylphthalate	85-68-7	NC	117 U	2,080 U	111 U	147 U	128 U	121 U
Caprolactam	105-60-2	NC	234 U	4,150 U	222 U	295 U	255 U	242 U
Carbazole	86-74-8	NC	117 U	2,080 U	53.9 J	52.4 J	128 U	1,020
Chrysene	218-01-9	1,000	58.5 U	7,840	403 J	480	63.9 U	2,430
Dibenzo[a,h]Anthracene	53-70-3	330	58.5 U	464 J	77.9	113	63.9 U	391
Dibenzofuran	132-64-9	7,000	117 U	2,080 U	114 J	72.4 J	128 U	965
Diethylphthalate	84-66-2	NC	117 U	2,080 U	111 U	147 U	128 U	121 U
Dimethylphthalate	131-11-3	NC	117 U	2,080 U	111 U	147 U	128 U	121 U
Di-n-butylphthalate	84-74-2	NC	117 U	2,080 U	111 U	147 U	128 U	121 U
Di-n-octylphthalate	117-84-0	NC	117 U	2,080 U	111 U	147 UJ	128 UJ	121 U
Fluoranthene	206-44-0	100,000	58.5 U	19,600	583 J	664	63.9 U	5,420
Fluorene	86-73-7	30,000	58.5 U	14,000	38.9 J	69.1 J	63.9 U	1,170
Hexachlorobenzene	118-74-1	330	117 U	2,080 U	111 U	147 U	128 U	121 U
Hexachlorobutadiene	87-68-3	NC	117 U	2,080 U	111 U	147 U	128 U	121 U
Hexachlorocyclopentadiene	77-47-4	NC	234 U	4,150 U	222 U	295 U	255 UJ	242 UJ
Hexachloroethane	67-72-1	NC	117 U	2,080 U	111 U	147 U	128 U	121 U
Indeno[1,2,3-cd]pyrene	193-39-5	500	58.5 U	3,920	273 J	399	63.9 U	1,420
Isophorone	78-59-1	NC	117 U	2,080 U	111 U	147 U	128 U	121 U
m-Cresol & p-Cresol	MEPH1314	330**	234 U	4,150 R	21.6 J	81.1 J	255 U	38.4 J
Naphthalene	91-20-3	12,000	58.5 U	359,000	348 J	157	63.9 U	870
Nitrobenzene	98-95-3	NC	117 U	2,080 U	111 U	147 U	128 U	121 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	117 U	2,080 U	111 U	147 U	128 U	121 U
N-Nitrosodiphenylamine	86-30-6	NC	117 U	2,080 U	111 U	147 U	128 U	121 U
Pentachlorophenol	87-86-5	800	234 U	4,150 U	222 U	295 U	255 U	242 U
Phenanthrene	85-01-8	100,000	58.5 U	45,800	432 J	415	63.9 U	6,410
Phenol	108-95-2	330	234 U	957 J	222 U	295 U	255 U	104 J
Pyrene	129-00-0	100,000	58.5 U	25,800	509 J	633	63.9 U	4,120
Pyridine	110-86-1	NC	234 U	4,150 U	222 U	295 U	255 U	242 U
Total SVOC TICs	NA	NC	NT	718,100	1,497	2,522	591	12,449

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.

**- action level for Cresol applies to individual isomers.
[BB] = Sample locations where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 9B - Subsurface Soil Results Compared to Unrestricted SCOs
SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SB-104	SB-105	SB-106	SB-107	SB-108	SB-109
		Sample ID	SB-104-12-13-030316	SB-105-11-12-031016	SB-106-5-6-030316	SB-107-6-7-030316	SB-108-5.8-6.4-030316	SB-109-8-9-030216
		Sample Date	3/3/2016	3/10/2016	3/3/2016	3/3/2016	3/3/2016	3/2/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	2129473	2130254	2129473	2129473	2129473	2127346
		Start Depth	12	11	5	6	5.8	8
		End Depth	13	12	6	7	6.4	9
Chemical Name	**CAS #**	**NY Part 375 Unrestricted SCO[1]**						
SVOCs								
1,1'-Biphenyl	92-52-4	NC	118 U	156 U	53 J	118 U	125 U	125 U
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	118 U	156 U	124 U	118 U	125 U	125 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	236 U	312 U	248 U	236 U	250 U	251 U
2,4,5-Trichlorophenol	95-95-4	NC	236 U	312 U	248 U	236 U	250 U	251 U
2,4,6-Trichlorophenol	88-06-2	NC	236 U	312 U	248 U	236 U	250 U	251 U
2,4-Dichlorophenol	120-83-2	NC	236 U	312 U	248 U	236 U	250 U	251 U
2,4-Dimethylphenol	105-67-9	NC	236 U	312 U	248 U	236 U	250 U	251 U
2,4-Dinitrophenol	51-28-5	NC	413 U	546 U	433 U	412 U	437 U	439 U
2,4-Dinitrotoluene	121-14-2	NC	118 U	156 U	124 U	118 U	125 U	125 U
2,6-Dinitrotoluene	606-20-2	NC	118 U	156 U	124 U	118 U	125 U	125 U
2-Chloronaphthalene	91-58-7	NC	118 U	156 U	124 U	118 U	125 U	125 U
2-Chlorophenol	95-57-8	NC	236 U	312 U	248 U	236 U	250 U	251 U
2-Methylnaphthalene	91-57-6	NC	118 U	156 U	113 J	118 U	125 U	125 U
2-Methylphenol	95-48-7	330	236 U	312 U	248 U	236 U	250 U	251 U
2-Nitroaniline	88-74-4	NC	236 U	312 U	248 U	236 U	250 U	251 U
2-Nitrophenol	88-75-5	NC	236 U	312 U	248 U	236 U	250 U	251 U
3,3-Dichlorobenzidine	91-94-1	NC	236 U	312 U	248 U	236 U	250 U	251 U
3-Nitroaniline	99-09-2	NC	236 U	312 U	248 U	236 U	250 U	251 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	236 U	312 U	248 U	236 U	250 U	251 U
4-Bromophenyl-phenylether	101-55-3	NC	118 U	156 U	124 U	118 U	125 U	125 U
4-Chloro-3-methylphenol	59-50-7	NC	236 U	312 U	248 U	236 U	250 U	251 U
4-Chloroaniline	106-47-8	NC	236 U	312 U	248 U	236 U	250 U	251 U
4-Chlorophenyl-phenylether	7005-72-3	NC	118 U	156 U	124 U	118 U	125 U	125 U
4-Nitroaniline	100-01-6	NC	236 U	312 U	248 U	236 U	250 U	251 U
4-Nitrophenol	100-02-7	NC	236 U	312 U	248 U	236 U	250 U	251 U
Acenaphthene	83-32-9	20,000	59.1 U	78.1 U	302	58.9 U	62.4 U	62.7 U
Acenaphthylene	208-96-8	100,000	59.1 U	78.1 U	185	58.9 U	62.4 U	62.7 U
Acetophenone	98-86-2	NC	118 U	228	124 U	118 U	125 U	125 U
Anthracene	120-12-7	100,000	59.1 U	78.1 U	688	58.9 U	62.4 U	61.3 J
Atrazine	1912-24-9	NC	118 U	156 U	124 U	118 U	125 U	125 U
Benzaldehyde	100-52-7	NC	236 U	43.1 J	45.5 J	236 U	250 U	251 U
Benzidine	92-87-5	NC	236 U	312 U	248 U	236 U	250 U	251 U
Benzo[a]anthracene	56-55-3	1,000	25.4 J	36.3 J	3,290	30.5 J	61.6 J	159
Benzo[a]pyrene	50-32-8	1,000	59.1 U	78.1 U	3,420	58.9 U	86.4	138
Benzo[b]fluoranthene	205-99-2	1,000	59.1 U	78.1 U	4,300	27.5 J	89	177
Benzo[g,h,i]perylene	191-24-2	100,000	59.1 U	33.5 J	2,260	38.7 J	69.2	75.8
Benzo[k]fluoranthene	207-08-9	800	59.1 U	78.1 U	1,510	58.9 U	36 J	76.9
Bis(2-Chloroethoxy)methane	111-91-1	NC	118 U	156 U	124 U	118 U	125 U	125 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	118 U	156 U	124 U	118 U	125 U	125 U
Bis(2-Chloroisopropyl)ether	108-60-1	NC	118 U	156 UJ	124 U	118 U	125 U	125 UJ
Bis(2-Ethylhexyl)phthalate	117-81-7	NC	295 U	390 U	310 U	295 U	312 U	313 U
Butylbenzylphthalate	85-68-7	NC	118 U	156 U	124 U	118 U	125 U	125 U
Caprolactam	105-60-2	NC	236 U	312 U	248 U	236 U	250 U	251 U
Carbazole	86-74-8	NC	118 U	156 U	272	118 U	125 U	22.5 J
Chrysene	218-01-9	1,000	59.1 U	52.9 J	4,140	58.9 U	67.6	155
Dibenzo[a,h]Anthracene	53-70-3	330	59.1 U	78.1 U	541	58.9 U	29.8 J	62.7 U
Dibenzofuran	132-64-9	7,000	118 U	156 U	209	118 U	125 U	125 U
Diethylphthalate	84-66-2	NC	118 U	156 U	124 U	118 U	125 U	125 U
Dimethylphthalate	131-11-3	NC	118 U	156 U	124 U	118 U	125 U	125 U
Di-n-butylphthalate	84-74-2	NC	118 U	156 U	124 U	118 U	125 U	125 U
Di-n-octylphthalate	117-84-0	NC	118 U	156 UJ	124 U	118 U	125 U	125 U
Fluoranthene	206-44-0	100,000	59.1 U	52.2 J	7,600	34 J	112	290
Fluorene	86-73-7	30,000	59.1 U	78.1 U	306	58.9 U	62.4 U	62.7 U
Hexachlorobenzene	118-74-1	330	118 U	156 U	124 U	118 U	125 U	125 U
Hexachlorobutadiene	87-68-3	NC	118 U	156 U	124 U	118 U	125 U	125 U
Hexachlorocyclopentadiene	77-47-4	NC	236 UJ	312 UJ	248 UJ	236 UJ	250 UJ	251 U
Hexachloroethane	67-72-1	NC	118 U	156 U	124 U	118 U	125 U	125 U
Indeno[1,2,3-cd]pyrene	193-39-5	500	59.1 U	78.1 U	2,350	58.9 U	48.4 J	89.7
Isophorone	78-59-1	NC	118 U	156 U	124 U	118 U	125 U	125 U
m-Cresol & p-Cresol	MEPH1314	330**	236 U	46.9 J	45.6 J	236 U	250 U	251 U
Naphthalene	91-20-3	12,000	59.1 U	78.1 U	208	58.9 U	62.4 U	62.7 U
Nitrobenzene	98-95-3	NC	118 U	156 U	124 U	118 U	125 U	125 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	118 U	156 U	124 U	118 U	125 U	125 U
N-Nitrosodiphenylamine	86-30-6	NC	118 U	156 U	124 U	118 U	125 U	125 U
Pentachlorophenol	87-86-5	800	236 U	312 U	248 U	236 U	250 U	251 U
Phenanthrene	85-01-8	100,000	59.1 U	37 J	2,480	27.2 J	86.4	133
Phenol	108-95-2	330	42.7 J	312 U	46.2 J	79.6 J	250 U	251 U
Pyrene	129-00-0	100,000	59.1 U	46.3 J	7,310	43.9 J	131	243
Pyridine	110-86-1	NC	236 U	312 U	107 J	236 U	250 U	251 U
Total SVOC TICs	NA	NC	NT	31,666	22,938	7,382	1,665	NT

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.

**- action level for Cresol applies to individual isomers.

[BB] = Sample locations where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 9B - Subsurface Soil Results Compared to Unrestricted SCOs
SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SB-111	SB-112	SB-113	SB-113[BB]	SB-113	SB-114
		Sample ID	SB-111-6-7-031016	SB-112-0.5-2.0-08221	DUP-002-031416	SB-113-1-2-031416	SB-113-4.5-6.5-031416	SB-114-2-2.5-030216
		Sample Date	3/10/2016	8/22/2017	3/14/2016	3/14/2016	3/14/2016	3/2/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	2130254	2258101	2130903	2130903	2130903	2127346
		Start Depth	6	0.5	4.5	1	4.5	2
		End Depth	7	2	6.5	2	6.5	2.5
Chemical Name	**CAS #**	**NY Part 375 Unrestricted SCO[1]**						
SVOCs								
1,1'-Biphenyl	92-52-4	NC	108 U	130 U	121 U	125 U	159 U	114 U
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	108 U	130 U	121 U	125 U	159 U	114 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	215 U	260 U	242 U	251 U	318 U	228 U
2,4,5-Trichlorophenol	95-95-4	NC	215 U	260 U	242 U	251 U	318 U	228 U
2,4,6-Trichlorophenol	88-06-2	NC	215 U	260 U	242 U	251 U	318 U	228 U
2,4-Dichlorophenol	120-83-2	NC	215 U	260 U	242 U	251 U	318 U	228 U
2,4-Dimethylphenol	105-67-9	NC	215 U	260 U	242 U	251 U	318 U	228 U
2,4-Dinitrophenol	51-28-5	NC	376 U	260 U	423 U	439 U	556 U	399 UJ
2,4-Dinitrotoluene	121-14-2	NC	108 U	130 U	121 U	125 U	159 U	114 U
2,6-Dinitrotoluene	606-20-2	NC	108 U	130 U	121 U	125 U	159 U	114 U
2-Chloronaphthalene	91-58-7	NC	108 U	130 U	121 U	125 U	159 U	114 U
2-Chlorophenol	95-57-8	NC	215 U	260 U	242 U	251 U	318 U	228 U
2-Methylnaphthalene	91-57-6	NC	108 U	130 U	121 U	125 U	45.5 J	114 U
2-Methylphenol	95-48-7	330	215 U	260 U	242 U	251 U	318 U	228 U
2-Nitroaniline	88-74-4	NC	215 U	260 U	242 U	251 U	318 U	228 U
2-Nitrophenol	88-75-5	NC	215 U	260 U	242 U	251 U	318 U	228 U
3,3-Dichlorobenzidine	91-94-1	NC	215 U	260 U	242 U	251 U	318 U	228 U
3-Nitroaniline	99-09-2	NC	215 U	260 U	242 U	251 U	318 U	228 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	215 U	260 U	242 U	251 U	318 U	228 U
4-Bromophenyl-phenylether	101-55-3	NC	108 U	130 U	121 U	125 U	159 U	114 U
4-Chloro-3-methylphenol	59-50-7	NC	215 U	260 U	242 UJ	251 UJ	318 UJ	228 U
4-Chloroaniline	106-47-8	NC	215 U	260 U	242 U	251 U	318 U	228 U
4-Chlorophenyl-phenylether	7005-72-3	NC	108 U	130 U	121 U	125 UJ	159 U	114 U
4-Nitroaniline	100-01-6	NC	215 U	260 U	242 U	251 U	318 UJ	228 U
4-Nitrophenol	100-02-7	NC	215 U	260 U	242 UJ	251 UJ	318 U	228 U
Acenaphthene	83-32-9	20,000	53.8 U	65 U	60.5 U	62.7 U	79.5 U	57.1 U
Acenaphthylene	208-96-8	100,000	53.8 U	65 U	60.5 U	62.7 U	79.5 U	57.1 U
Acetophenone	98-86-2	NC	108 U	130 U	121 U	125 U	159 U	114 U
Anthracene	120-12-7	100,000	53.8 U	65 U	60.5 U	62.7 U	79.5 U	57.1 U
Atrazine	1912-24-9	NC	108 U	130 U	121 U	125 U	159 U	114 U
Benzaldehyde	100-52-7	NC	215 U	260 U	242 UJ	251 UJ	318 UJ	228 U
Benzidine	92-87-5	NC	215 U	260 U	242 U	251 U	318 U	228 U
Benzo[a]anthracene	56-55-3	1,000	53.8 U	65 U	60.5 UJ	62.7 U	253 J	32.2 J
Benzo[a]pyrene	50-32-8	1,000	53.8 U	65 U	60.5 U	62.7 U	79.5 U	57.1 U
Benzo[b]fluoranthene	205-99-2	1,000	53.8 U	65 U	60.5 UJ	62.7 U	211 J	32.7 J
Benzo[g,h,i]perylene	191-24-2	100,000	53.8 U	65 U	60.5 UJ	62.7 U	226 J	31.3 J
Benzo[k]fluoranthene	207-08-9	800	53.8 U	65 U	60.5 U	62.7 U	79.5 U	57.1 U
Bis(2-Chloroethoxy)methane	111-91-1	NC	108 U	130 U	121 U	125 U	159 U	114 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	108 U	130 U	121 U	125 U	159 U	114 U
Bis(2-Chloroisopropyl)ether	108-60-1	NC	108 UJ	130 U	121 UJ	125 U	159 UJ	114 UJ
Bis(2-Ethylhexyl)phthalate	117-81-7	NC	269 U	130 U	302 U	314 U	397 U	285 U
Butylbenzylphthalate	85-68-7	NC	108 U	130 U	121 U	125 U	159 U	114 U
Caprolactam	105-60-2	NC	215 U	260 U	242 U	251 U	318 U	228 U
Carbazole	86-74-8	NC	108 U	130 U	121 U	125 U	159 U	114 U
Chrysene	218-01-9	1,000	53.8 U	65 U	60.5 UJ	62.7 U	546 J	56.9 J
Dibenzo[a,h]Anthracene	53-70-3	330	53.8 U	65 U	60.5 U	62.7 U	129 J	57.1 U
Dibenzofuran	132-64-9	7,000	108 U	130 U	121 U	125 U	159 U	114 U
Diethylphthalate	84-66-2	NC	108 U	130 U	121 U	27.7 J	37.9 J	114 U
Dimethylphthalate	131-11-3	NC	108 U	130 U	121 U	125 U	159 U	114 U
Di-n-butylphthalate	84-74-2	NC	108 U	130 U	121 U	125 U	159 U	114 U
Di-n-octylphthalate	117-84-0	NC	108 UJ	130 U	121 U	125 U	159 U	114 U
Fluoranthene	206-44-0	100,000	53.8 U	65 U	60.5 U	62.7 U	79.5 U	48.9 J
Fluorene	86-73-7	30,000	53.8 U	65 U	60.5 U	62.7 U	79.5 U	57.1 U
Hexachlorobenzene	118-74-1	330	108 U	130 U	121 U	24 J	159 U	114 U
Hexachlorobutadiene	87-68-3	NC	108 UJ	130 U	121 U	125 U	159 U	114 U
Hexachlorocyclopentadiene	77-47-4	NC	215 U	260 U	242 UJ	251 UJ	318 UJ	228 U
Hexachloroethane	67-72-1	NC	108 U	130 U	121 U	125 U	159 U	114 U
Indeno[1,2,3-cd]pyrene	193-39-5	500	53.8 U	65 U	60.5 U	27.2 J	73.4 J	27.7 J
Isophorone	78-59-1	NC	108 U	130 U	121 U	125 U	159 U	114 U
m-Cresol & p-Cresol	MEPH1314	330**	215 U	260 U	242 U	251 U	318 U	228 U
Naphthalene	91-20-3	12,000	53.8 U	65 U	60.5 U	62.7 U	79.5 U	57.1 U
Nitrobenzene	98-95-3	NC	108 U	130 U	121 U	125 U	159 U	114 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	108 U	130 U	121 U	125 U	159 U	114 U
N-Nitrosodiphenylamine	86-30-6	NC	108 U	130 U	121 U	125 U	159 U	114 U
Pentachlorophenol	87-86-5	800	215 U	260 U	242 U	251 U	318 U	228 U
Phenanthrene	85-01-8	100,000	53.8 U	65 U	60.5 UJ	62.7 U	147 J	62.7
Phenol	108-95-2	330	215 U	260 U	242 U	251 U	318 U	228 U
Pyrene	129-00-0	100,000	53.8 U	65 U	60.5 U	62.7 U	56.3 J	61.1
Pyridine	110-86-1	NC	215 U	260 U	242 U	251 U	318 U	228 U
Total SVOC TICs	NA	NC	NT	NT	498	1,001	23,012	NT

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.

**- action level for Cresol applies to individual isomers.
[BB] = Sample locations where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 9B - Subsurface Soil Results Compared to Unrestricted SCOs
SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SB-115	SB-116	SB-117	SB-117	SB-118	SB-119
		Sample ID	SB-115-5.6-6.7-030216	SB-116-5.7-6.5-030216	DUP-003-030216	SB-117-5.9-7-030216	SB-118-7-7.4-030216	SB-119-4.5-6-031116
		Sample Date	3/2/2016	3/2/2016	3/2/2016	3/2/2016	3/2/2016	3/11/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	2127346	2127346	2127346	2127346	2127346	2130903
		Start Depth	5.6	5.7	5.9	5.9	7	4.5
		End Depth	6.7	6.5	7	7	7.4	6
Chemical Name	**CAS #**	**NY Part 375 Unrestricted SCO[1]**						
SVOCs								
1,1'-Biphenyl	92-52-4	NC	622	130 U	130 U	134 U	117 U	120 U
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	128 U	130 U	130 U	134 U	117 U	120 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	257 U	260 U	260 U	269 U	234 U	240 U
2,4,5-Trichlorophenol	95-95-4	NC	257 U	260 U	260 U	269 U	234 U	240 U
2,4,6-Trichlorophenol	88-06-2	NC	257 U	260 U	260 U	269 U	234 U	240 U
2,4-Dichlorophenol	120-83-2	NC	257 U	260 U	260 U	269 U	234 U	240 U
2,4-Dimethylphenol	105-67-9	NC	257 U	260 U	260 U	269 U	234 U	240 U
2,4-Dinitrophenol	51-28-5	NC	449 U	454 U	455 U	470 U	409 U	419 U
2,4-Dinitrotoluene	121-14-2	NC	128 U	130 U	130 U	134 U	117 U	120 U
2,6-Dinitrotoluene	606-20-2	NC	128 U	130 U	130 U	134 U	117 U	120 U
2-Chloronaphthalene	91-58-7	NC	128 U	130 U	130 U	134 U	117 U	120 U
2-Chlorophenol	95-57-8	NC	257 U	260 U	260 U	269 U	234 U	240 U
2-Methylnaphthalene	91-57-6	NC	1,880	29.5 J	130 U	29.1 J	117 U	120 U
2-Methylphenol	95-48-7	330	257 U	260 U	260 U	269 U	234 U	240 U
2-Nitroaniline	88-74-4	NC	257 U	260 U	260 U	269 U	234 U	240 U
2-Nitrophenol	88-75-5	NC	257 U	260 U	260 U	269 U	234 U	240 U
3,3-Dichlorobenzidine	91-94-1	NC	257 U	260 U	260 U	269 U	234 U	240 U
3-Nitroaniline	99-09-2	NC	257 U	260 U	260 U	269 U	234 U	240 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	257 U	260 U	260 U	269 U	234 U	240 U
4-Bromophenyl-phenylether	101-55-3	NC	128 U	130 U	130 U	134 U	117 U	120 U
4-Chloro-3-methylphenol	59-50-7	NC	257 U	260 U	260 U	269 U	234 U	240 UJ
4-Chloroaniline	106-47-8	NC	257 U	260 U	260 U	269 U	234 U	240 U
4-Chlorophenyl-phenylether	7005-72-3	NC	128 U	130 U	130 U	134 U	117 U	120 U
4-Nitroaniline	100-01-6	NC	257 U	260 U	260 U	269 U	234 U	240 UJ
4-Nitrophenol	100-02-7	NC	257 U	260 U	260 U	269 U	234 U	240 U
Acenaphthene	83-32-9	20,000	3,610	41 J	65 U	67.1 U	58.4 U	59.9 U
Acenaphthylene	208-96-8	100,000	2,330	33.7 J	65 U	67.1 U	58.4 U	59.9 U
Acetophenone	98-86-2	NC	128 U	130 U	130 U	134 U	117 U	120 U
Anthracene	120-12-7	100,000	4,810	130	65 U	67.1 U	58.4 U	59.9 U
Atrazine	1912-24-9	NC	128 U	130 U	130 U	134 U	117 U	120 U
Benzaldehyde	100-52-7	NC	257 U	81.4 J	31.6 J	38.1 J	234 U	240 UJ
Benzidine	92-87-5	NC	257 U	260 U	260 U	269 U	234 U	240 U
Benzo[a]anthracene	56-55-3	1,000	3,700	320	65 U	99.7	39 J	59.9 U
Benzo[a]pyrene	50-32-8	1,000	3,360	156	65 U	67.1 U	49.8 J	59.9 U
Benzo[b]fluoranthene	205-99-2	1,000	4,420	361	65 UJ	137 J	65.3	59.9 U
Benzo[g,h,i]perylene	191-24-2	100,000	4,160	145	65 U	96.4	43.3 J	59.9 U
Benzo[k]fluoranthene	207-08-9	800	1,590	109	65 U	54.3 J	58.4 U	59.9 U
Bis(2-Chloroethoxy)methane	111-91-1	NC	128 U	130 U	130 U	134 U	117 U	120 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	128 U	130 U	130 U	134 U	117 U	120 UJ
Bis(2-Chloroisopropyl)ether	108-60-1	NC	128 UJ	130 UJ	130 UJ	134 UJ	117 UJ	120 U
Bis(2-Ethylhexyl)phthalate	117-81-7	NC	321 U	324 U	325 U	336 U	292 U	300 U
Butylbenzylphthalate	85-68-7	NC	128 U	130 U	130 U	134 U	117 U	120 U
Caprolactam	105-60-2	NC	257 U	260 U	260 U	269 U	234 U	240 U
Carbazole	86-74-8	NC	128 U	42.5 J	130 U	134 U	117 U	120 U
Chrysene	218-01-9	1,000	4,380	508	65 UJ	137 J	32.9 J	59.9 U
Dibenzo[a,h]Anthracene	53-70-3	330	422	62.4 J	65 U	67.1 U	58.4 U	59.9 U
Dibenzofuran	132-64-9	7,000	128 U	45.4 J	130 U	134 U	117 U	120 U
Diethylphthalate	84-66-2	NC	128 U	130 U	130 U	134 U	117 U	120 U
Dimethylphthalate	131-11-3	NC	128 U	130 U	130 U	134 U	117 U	120 U
Di-n-butylphthalate	84-74-2	NC	128 U	130 U	130 U	134 U	117 U	120 U
Di-n-octylphthalate	117-84-0	NC	128 U	130 U	130 U	134 U	117 U	120 U
Fluoranthene	206-44-0	100,000	12,600	624	65 U	191	52.1 J	59.9 U
Fluorene	86-73-7	30,000	5,930	75	65 U	67.1 U	58.4 U	59.9 U
Hexachlorobenzene	118-74-1	330	128 U	130 U	130 U	134 U	117 U	120 U
Hexachlorobutadiene	87-68-3	NC	128 U	130 U	130 U	134 U	117 U	120 U
Hexachlorocyclopentadiene	77-47-4	NC	257 U	260 U	260 U	269 U	234 U	240 UJ
Hexachloroethane	67-72-1	NC	128 U	130 U	130 U	134 U	117 U	120 U
Indeno[1,2,3-cd]pyrene	193-39-5	500	3,550	121	65 U	77	41.8 J	59.9 U
Isophorone	78-59-1	NC	128 U	130 U	130 U	134 U	117 U	120 U
m-Cresol & p-Cresol	MEPH1314	330**	257 U	260 U	26.7 J	119 J	234 U	240 U
Naphthalene	91-20-3	12,000	7,580	92.6	65 U	34.3 J	58.4 U	59.9 U
Nitrobenzene	98-95-3	NC	128 U	130 U	130 U	134 U	117 U	120 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	128 U	130 U	130 U	134 U	117 U	120 U
N-Nitrosodiphenylamine	86-30-6	NC	128 U	130 U	130 U	134 U	117 U	120 U
Pentachlorophenol	87-86-5	800	257 U	260 U	260 U	269 U	234 U	240 U
Phenanthrene	85-01-8	100,000	20,000	407	65 UJ	132 J	58.4 U	59.9 U
Phenol	108-95-2	330	257 U	260 U	260 U	269 U	234 U	240 U
Pyrene	129-00-0	100,000	20,000	353	65 UJ	262 J	50.4 J	59.9 U
Pyridine	110-86-1	NC	257 U	260 U	260 U	269 U	234 U	240 U
Total SVOC TICs	NA	NC	44,901	7,084	355	1,890	NT	NT

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.

**- action level for Cresol applies to individual isomers.
[BB] = Sample locations where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 9B - Subsurface Soil Results Compared to Unrestricted SCOs
SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SB-120	SB-121	SB-122	SB-124	SB-125	SB-127
		Sample ID	SB-120-6.5-7.4-031416	SB-121-2-2.5-031416	SB-122-7-8-022916	SB-124-8-9-031116	SB-125-5-7-031416	SB-127-10-11-031116
		Sample Date	3/14/2016	3/14/2016	2/29/2016	3/11/2016	3/14/2016	3/11/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	2130903	2130903	2127346	2130903	2130903	2130903
		Start Depth	6.5	2	7	8	5	10
		End Depth	7.4	2.5	8	9	7	11
Chemical Name	**CAS #**	**NY Part 375 Unrestricted SCO[1]**						
SVOCs								
1,1'-Biphenyl	92-52-4	NC	152 U	242	118 U	123 U	121 U	128 U
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	152 U	126 U	118 U	123 U	121 U	128 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	304 U	252 U	236 U	247 U	242 U	255 U
2,4,5-Trichlorophenol	95-95-4	NC	304 U	252 U	236 U	247 U	242 U	255 U
2,4,6-Trichlorophenol	88-06-2	NC	304 U	252 U	236 U	247 U	242 U	255 U
2,4-Dichlorophenol	120-83-2	NC	304 U	252 U	236 U	247 U	242 U	255 U
2,4-Dimethylphenol	105-67-9	NC	304 U	252 U	236 U	247 U	242 U	255 U
2,4-Dinitrophenol	51-28-5	NC	532 U	441 U	236 U	432 U	423 U	446 U
2,4-Dinitrotoluene	121-14-2	NC	152 U	126 U	118 U	123 U	121 U	128 U
2,6-Dinitrotoluene	606-20-2	NC	152 U	126 U	118 U	123 U	121 U	128 U
2-Chloronaphthalene	91-58-7	NC	152 U	126 U	118 U	123 U	121 U	128 U
2-Chlorophenol	95-57-8	NC	304 U	252 U	236 U	247 U	242 U	255 U
2-Methylnaphthalene	91-57-6	NC	46.7 J	2,940	118 U	123 U	121 U	128 U
2-Methylphenol	95-48-7	330	304 U	57.7 J	236 U	247 U	242 U	255 U
2-Nitroaniline	88-74-4	NC	304 U	252 U	236 U	247 U	242 U	255 U
2-Nitrophenol	88-75-5	NC	304 U	252 U	236 U	247 U	242 U	255 U
3,3-Dichlorobenzidine	91-94-1	NC	304 U	252 U	236 U	247 U	242 U	255 U
3-Nitroaniline	99-09-2	NC	304 U	252 U	236 U	247 U	242 U	255 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	304 U	252 U	236 U	247 U	242 U	255 U
4-Bromophenyl-phenylether	101-55-3	NC	152 U	126 U	118 U	123 U	121 U	128 U
4-Chloro-3-methylphenol	59-50-7	NC	304 UJ	252 UJ	236 U	247 UJ	242 UJ	255 UJ
4-Chloroaniline	106-47-8	NC	304 U	252 U	236 U	247 U	242 U	255 U
4-Chlorophenyl-phenylether	7005-72-3	NC	152 U	126 U	118 U	123 U	121 U	128 U
4-Nitroaniline	100-01-6	NC	304 U	252 U	236 U	247 UJ	242 U	255 UJ
4-Nitrophenol	100-02-7	NC	304 UJ	252 UJ	236 U	247 U	242 UJ	255 U
Acenaphthene	83-32-9	20,000	76 U	62.9 U	58.9 U	61.7 U	60.4 U	63.8 U
Acenaphthylene	208-96-8	100,000	133	62.9 U	58.9 U	61.7 U	60.4 U	63.8 U
Acetophenone	98-86-2	NC	152 U	461	118 U	123 U	121 U	128 U
Anthracene	120-12-7	100,000	89.3	109	58.9 U	61.7 U	60.4 U	63.8 U
Atrazine	1912-24-9	NC	152 U	126 U	118 U	123 U	121 U	128 U
Benzaldehyde	100-52-7	NC	304 UJ	252 UJ	236 U	247 UJ	242 UJ	255 UJ
Benzidine	92-87-5	NC	304 U	252 U	236 U	247 U	242 U	255 U
Benzo[a]anthracene	56-55-3	1,000	621	415	12.4 J	61.7 U	60.4 U	63.8 U
Benzo[a]pyrene	50-32-8	1,000	799	270	7.5 J	61.7 U	60.4 UJ	63.8 U
Benzo[b]fluoranthene	205-99-2	1,000	1,150	487	9.3 J	61.7 U	60.4 U	63.8 U
Benzo[g,h,i]perylene	191-24-2	100,000	617	148	10.9 J	61.7 U	60.4 R	63.8 U
Benzo[k]fluoranthene	207-08-9	800	467	62.9 U	7.5 J	61.7 U	60.4 U	63.8 U
Bis(2-Chloroethoxy)methane	111-91-1	NC	152 U	126 U	118 U	123 U	121 U	128 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	152 U	126 U	118 U	123 UJ	121 U	128 UJ
Bis(2-Chloroisopropyl)ether	108-60-1	NC	152 UJ	126 UJ	118 U	123 U	121 UJ	128 U
Bis(2-Ethylhexyl)phthalate	117-81-7	NC	380 U	315 U	118 UJ	165 J	302 U	319 U
Butylbenzylphthalate	85-68-7	NC	152 U	126 U	12.9 J	123 U	121 U	128 U
Caprolactam	105-60-2	NC	304 U	252 U	236 U	247 U	242 U	255 U
Carbazole	86-74-8	NC	138 J	128	118 U	123 U	121 U	128 U
Chrysene	218-01-9	1,000	956	854	6.6 J	61.7 U	60.4 U	63.8 U
Dibenzo[a,h]Anthracene	53-70-3	330	138	83.9	9.7 J	61.7 U	60.4 U	63.8 U
Dibenzofuran	132-64-9	7,000	76.5 J	947	118 UJ	123 U	121 U	128 U
Diethylphthalate	84-66-2	NC	47.8 J	126 U	118 UJ	41 J	121 U	36.9 J
Dimethylphthalate	131-11-3	NC	152 U	126 U	118 U	123 U	121 U	128 U
Di-n-butylphthalate	84-74-2	NC	152 U	126 U	118 UJ	123 U	121 U	128 U
Di-n-octylphthalate	117-84-0	NC	152 U	126 U	10.3 J	123 U	121 U	128 U
Fluoranthene	206-44-0	100,000	1,610	543	58.9 UJ	61.7 U	60.4 U	63.8 U
Fluorene	86-73-7	30,000	66.2 J	144	58.9 U	61.7 U	60.4 U	63.8 U
Hexachlorobenzene	118-74-1	330	152 U	126 U	118 U	123 U	121 U	128 U
Hexachlorobutadiene	87-68-3	NC	152 U	126 U	118 U	123 U	121 U	128 U
Hexachlorocyclopentadiene	77-47-4	NC	304 UJ	252 UJ	236 U	247 UJ	242 UJ	255 UJ
Hexachloroethane	67-72-1	NC	152 U	126 U	118 U	123 U	121 UJ	128 U
Indeno[1,2,3-cd]pyrene	193-39-5	500	705	184	9 J	61.7 U	60.4 UJ	63.8 U
Isophorone	78-59-1	NC	152 U	126 U	118 U	123 U	121 U	128 U
m-Cresol & p-Cresol	MEPH1314	330**	58 J	75.6 J	236 U	247 U	242 U	255 U
Naphthalene	91-20-3	12,000	129	1,660	58.9 UJ	61.7 U	60.4 U	63.8 U
Nitrobenzene	98-95-3	NC	152 U	126 U	118 U	123 U	121 U	128 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	152 U	126 U	118 U	123 U	121 U	128 U
N-Nitrosodiphenylamine	86-30-6	NC	152 U	126 U	118 U	123 U	121 U	128 U
Pentachlorophenol	87-86-5	800	304 U	252 U	236 U	247 U	242 U	255 U
Phenanthrene	85-01-8	100,000	970	2,210	58.9 UJ	42.4 J	60.4 U	63.8 U
Phenol	108-95-2	330	304 U	252 U	236 U	247 U	242 U	255 U
Pyrene	129-00-0	100,000	1,250	593	6.2 J	61.7 U	60.4 UJ	63.8 U
Pyridine	110-86-1	NC	304 U	252 U	NA	247 U	242 U	255 U
Total SVOC TICs	NA	NC	8,646	60,230	369	3,086	1,199	NT

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.

**- action level for Cresol applies to individual isomers.
[BB] = Sample locations where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 9B - Subsurface Soil Results Compared to Unrestricted SCOs
SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SB-129	SB-130	SB-131	SB-133	SB-134	SB-135
		Sample ID	SB-129-4.6-6.6-031516	SB-130-4-4.5-042216	SB-131-8-10-031116	SB-133-4.5-5-041416	SB-134-10-11-031516	SB-135-8-9-041516
		Sample Date	3/15/2016	4/22/2016	3/11/2016	4/14/2016	3/15/2016	4/15/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	2130900	2139069	2130903	2139069	2130900	2139069
		Start Depth	4.6	4	8	4.5	10	8
		End Depth	6.6	4.5	10	5	11	9
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]						
SVOCs								
1,1'-Biphenyl	92-52-4	NC	27.9 J	250	114 U	151 U	119 U	84.5 J
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	117 U	131 U	114 U	151 U	119 U	143 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	234 U	261 U	229 U	302 U	238 R	285 U
2,4,5-Trichlorophenol	95-95-4	NC	234 U	261 U	229 U	302 U	238 R	285 U
2,4,6-Trichlorophenol	88-06-2	NC	234 U	261 U	229 U	302 U	238 R	285 U
2,4-Dichlorophenol	120-83-2	NC	234 U	261 U	229 U	302 U	238 U	285 U
2,4-Dimethylphenol	105-67-9	NC	234 U	261 U	229 U	302 U	238 R	285 U
2,4-Dinitrophenol	51-28-5	NC	410 U	457 U	400 U	528 U	417 R	499 U
2,4-Dinitrotoluene	121-14-2	NC	117 U	131 U	114 U	151 U	119 R	143 U
2,6-Dinitrotoluene	606-20-2	NC	117 U	131 U	114 U	151 U	119 U	143 U
2-Chloronaphthalene	91-58-7	NC	117 U	131 U	114 U	151 U	119 U	143 U
2-Chlorophenol	95-57-8	NC	234 U	261 U	229 U	302 U	238 R	285 U
2-Methylnaphthalene	91-57-6	NC	162	1,810	114 U	148 J	119 U	218
2-Methylphenol	95-48-7	330	234 U	188 J	229 U	302 U	238 R	285 U
2-Nitroaniline	88-74-4	NC	234 U	261 U	229 U	302 U	238 U	285 U
2-Nitrophenol	88-75-5	NC	234 U	261 U	229 U	302 U	238 R	285 U
3,3-Dichlorobenzidine	91-94-1	NC	234 U	261 U	229 U	302 U	238 U	285 U
3-Nitroaniline	99-09-2	NC	234 U	261 U	229 U	302 U	238 U	285 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	234 U	261 U	229 U	302 U	238 R	285 U
4-Bromophenyl-phenylether	101-55-3	NC	117 U	131 U	114 U	151 U	119 U	143 U
4-Chloro-3-methylphenol	59-50-7	NC	234 UJ	261 U	229 UJ	302 U	238 R	285 U
4-Chloroaniline	106-47-8	NC	234 U	261 U	229 U	302 U	238 U	285 U
4-Chlorophenyl-phenylether	7005-72-3	NC	117 U	131 U	114 U	151 U	119 U	143 U
4-Nitroaniline	100-01-6	NC	234 U	261 U	229 UJ	302 U	238 U	285 U
4-Nitrophenol	100-02-7	NC	234 UJ	261 U	229 U	302 U	238 R	285 U
Acenaphthene	83-32-9	20,000	58.6 U	126	57.2 U	75.5 U	59.6 U	33.3 J
Acenaphthylene	208-96-8	100,000	58.6 U	65.3 U	57.2 U	75.5 U	59.6 U	71.3 U
Acetophenone	98-86-2	NC	135	131 U	114 U	199 U	119 U	205 U
Anthracene	120-12-7	100,000	74.5	206	57.2 U	99.3	59.6 U	63.4 J
Atrazine	1912-24-9	NC	117 U	131 UJ	114 U	151 UJ	119 U	143 UJ
Benzaldehyde	100-52-7	NC	234 UJ	261 UJ	229 UJ	86.1 J	238 UJ	285 UJ
Benzidine	92-87-5	NC	234 U	261 U	229 U	302 U	238 U	285 U
Benzo[a]anthracene	56-55-3	1,000	44.8 J	716	57.2 U	214	59.6 U	75.2
Benzo[a]pyrene	50-32-8	1,000	58.6 U	426	57.2 U	257	59.6 U	82.9
Benzo[b]fluoranthene	205-99-2	1,000	49.6 J	556	57.2 U	347	59.6 U	122
Benzo[g,h,i]perylene	191-24-2	100,000	58.6 U	316	57.2 U	222	59.6 U	75.9
Benzo[k]fluoranthene	207-08-9	800	58.6 U	178	57.2 U	123	59.6 U	41.8 J
Bis(2-Chloroethoxy)methane	111-91-1	NC	117 U	131 U	114 U	151 U	119 U	143 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	117 U	131 U	114 UJ	151 U	119 U	143 U
Bis(2-Chloroisopropyl)ether	108-60-1	NC	117 UJ	131 U	114 U	151 U	119 UJ	143 U
Bis(2-Ethylhexyl)phthalate	117-81-7	NC	293 U	327 U	286 U	377 U	298 U	356 U
Butylbenzylphthalate	85-68-7	NC	117 U	131 U	114 U	151 U	119 U	143 U
Caprolactam	105-60-2	NC	234 U	261 U	229 U	302 U	238 U	285 U
Carbazole	86-74-8	NC	117 U	131 U	114 U	151 U	119 U	143 U
Chrysene	218-01-9	1,000	59.3	1,170	57.2 U	426	59.6 U	185
Dibenzo[a,h]Anthracene	53-70-3	330	58.6 U	191	57.2 U	76.8	59.6 U	71.3 U
Dibenzofuran	132-64-9	7,000	117 U	478	114 U	151 U	119 U	143 U
Diethylphthalate	84-66-2	NC	117 U	131 U	38 J	151 U	33.7 J	143 U
Dimethylphthalate	131-11-3	NC	117 U	131 U	114 U	151 U	119 U	143 U
Di-n-butylphthalate	84-74-2	NC	117 U	131 U	114 U	151 U	119 U	143 U
Di-n-octylphthalate	117-84-0	NC	117 U	131 U	114 U	151 U	119 U	143 U
Fluoranthene	206-44-0	100,000	227	730	57.2 U	635	59.6 U	203
Fluorene	86-73-7	30,000	228	363	57.2 U	88.1	59.6 U	115
Hexachlorobenzene	118-74-1	330	117 U	131 U	114 U	151 U	119 U	143 U
Hexachlorobutadiene	87-68-3	NC	117 U	131 U	114 U	151 U	119 U	143 U
Hexachlorocyclopentadiene	77-47-4	NC	234 UJ	261 U	229 UJ	302 U	238 UJ	285 U
Hexachloroethane	67-72-1	NC	117 U	131 U	114 U	151 U	119 U	143 U
Indeno[1,2,3-cd]pyrene	193-39-5	500	58.6 U	242	57.2 U	190	59.6 U	60.6 J
Isophorone	78-59-1	NC	117 U	131 U	114 U	151 U	119 U	143 U
m-Cresol & p-Cresol	MEPH1314	330**	234 U	795	229 U	185 J	238 UJ	287
Naphthalene	91-20-3	12,000	58.6 U	1,170	57.2 U	143	59.6 U	127
Nitrobenzene	98-95-3	NC	117 U	131 U	114 U	151 U	119 U	143 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	117 U	131 U	114 U	151 U	119 U	143 U
N-Nitrosodiphenylamine	86-30-6	NC	117 U	131 U	114 U	151 U	119 U	143 U
Pentachlorophenol	87-86-5	800	234 U	261 U	229 U	302 U	238 R	285 U
Phenanthrene	85-01-8	100,000	629	1,410	57.2 U	463	59.6 U	351
Phenol	108-95-2	330	234 U	261 U	229 U	302 U	238 R	285 U
Pyrene	129-00-0	100,000	94	875	57.2 U	548	59.6 U	196
Pyridine	110-86-1	NC	234 U	261 U	229 U	302 U	238 U	285 U
Total SVOC TICs	NA	NC	38,375	46,690	4,418	70,480	437	80,400

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.

**- action level for Cresol applies to individual isomers.

[BB] = Sample locations where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 9B - Subsurface Soil Results Compared to Unrestricted SCOs
SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SB-136	SB-137	SB-138	SB-139	SB-141	SB-142
		Sample ID	SB-136-5-7-031116	SB-137-6-8-031116	SB-138-4-4.8-030116	SB-139-8-9.7-030116	SB-141-7-8-030116	SB-142-11-12-030116
		Sample Date	3/11/2016	3/11/2016	3/1/2016	3/1/2016	3/1/2016	3/1/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	2130903	2130903	2127346	2127346	2127346	2127346
		Start Depth	5	6	4	8	7	11
		End Depth	7	8	4.8	9.7	8	12
Chemical Name	**CAS #**	**NY Part 375 Unrestricted SCO[1]**						
SVOCs								
1,1'-Biphenyl	92-52-4	NC	119 U	124 U	115 U	118 U	119 U	121 U
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	119 U	124 U	115 U	118 U	119 U	121 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	237 U	248 U	231 U	236 U	237 U	241 U
2,4,5-Trichlorophenol	95-95-4	NC	237 U	248 U	231 U	236 U	237 U	241 U
2,4,6-Trichlorophenol	88-06-2	NC	237 U	248 U	231 U	236 U	237 U	241 U
2,4-Dichlorophenol	120-83-2	NC	237 U	248 U	231 U	236 U	237 U	241 U
2,4-Dimethylphenol	105-67-9	NC	237 U	248 U	231 U	236 U	237 U	241 U
2,4-Dinitrophenol	51-28-5	NC	415 U	435 U	404 U	414 U	415 U	422 U
2,4-Dinitrotoluene	121-14-2	NC	119 U	124 U	115 U	118 U	119 U	121 U
2,6-Dinitrotoluene	606-20-2	NC	119 U	124 U	115 U	118 U	119 U	121 U
2-Chloronaphthalene	91-58-7	NC	119 U	124 U	115 U	118 U	119 U	121 U
2-Chlorophenol	95-57-8	NC	237 U	248 U	231 U	236 U	237 U	241 U
2-Methylnaphthalene	91-57-6	NC	119 U	124 U	115 U	16.6 J	119 U	121 U
2-Methylphenol	95-48-7	330	237 U	248 U	231 U	236 U	237 U	241 U
2-Nitroaniline	88-74-4	NC	237 U	248 U	231 U	236 U	237 U	241 U
2-Nitrophenol	88-75-5	NC	237 U	248 U	231 U	236 U	237 U	241 U
3,3-Dichlorobenzidine	91-94-1	NC	237 U	248 U	231 U	236 U	237 U	241 U
3-Nitroaniline	99-09-2	NC	237 U	248 U	231 U	236 U	237 U	241 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	237 U	248 U	231 U	236 U	237 U	241 U
4-Bromophenyl-phenylether	101-55-3	NC	119 U	124 U	115 U	118 U	119 U	121 U
4-Chloro-3-methylphenol	59-50-7	NC	237 UJ	248 UJ	231 U	236 U	237 U	241 U
4-Chloroaniline	106-47-8	NC	237 U	248 U	231 U	236 U	237 U	241 U
4-Chlorophenyl-phenylether	7005-72-3	NC	119 U	124 U	115 U	118 U	119 U	121 U
4-Nitroaniline	100-01-6	NC	237 UJ	248 UJ	231 U	236 U	237 U	241 U
4-Nitrophenol	100-02-7	NC	237 U	248 U	231 U	236 U	237 U	241 U
Acenaphthene	83-32-9	20,000	59.3 U	62.1 U	38.6 J	55 J	59.3 U	60.3 U
Acenaphthylene	208-96-8	100,000	59.3 U	62.1 U	57.7 U	59.1 U	59.3 U	60.3 U
Acetophenone	98-86-2	NC	119 U	124 U	115 U	118 U	119 U	121 U
Anthracene	120-12-7	100,000	59.3 U	62.1 U	70	140	59.3 U	60.3 U
Atrazine	1912-24-9	NC	119 U	124 U	115 U	118 U	119 U	121 U
Benzaldehyde	100-52-7	NC	237 UJ	248 UJ	231 U	236 U	237 U	241 U
Benzidine	92-87-5	NC	237 U	248 U	231 U	236 U	237 U	241 U
Benzo[a]anthracene	56-55-3	1,000	59.3 U	62.1 U	161	243	59.3 U	60.3 U
Benzo[a]pyrene	50-32-8	1,000	59.3 U	62.1 U	149	198	59.3 U	60.3 U
Benzo[b]fluoranthene	205-99-2	1,000	59.3 U	62.1 U	178	247	59.3 U	60.3 U
Benzo[g,h,i]perylene	191-24-2	100,000	59.3 U	62.1 U	103	108	59.3 U	60.3 U
Benzo[k]fluoranthene	207-08-9	800	59.3 U	62.1 U	73.8	96.2	59.3 U	60.3 U
Bis(2-Chloroethoxy)methane	111-91-1	NC	119 U	124 U	115 U	118 U	119 U	121 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	119 UJ	124 UJ	115 U	118 U	119 U	121 U
Bis(2-Chloroisopropyl)ether	108-60-1	NC	119 U	124 U	115 UJ	118 UJ	119 UJ	121 UJ
Bis(2-Ethylhexyl)phthalate	117-81-7	NC	297 U	310 U	288 U	295 U	297 U	302 U
Butylbenzylphthalate	85-68-7	NC	119 U	124 U	115 U	118 U	119 U	121 U
Caprolactam	105-60-2	NC	237 U	248 U	231 U	236 U	237 U	241 U
Carbazole	86-74-8	NC	119 U	124 U	33.3 J	46.8 J	119 U	121 U
Chrysene	218-01-9	1,000	59.3 U	62.1 U	175	245	59.3 U	60.3 U
Dibenzo[a,h]Anthracene	53-70-3	330	59.3 U	62.1 U	27.8 J	33.5 J	59.3 U	60.3 U
Dibenzofuran	132-64-9	7,000	119 U	124 U	115 U	31.5 J	119 U	121 U
Diethylphthalate	84-66-2	NC	30.5 J	124 U	115 U	118 U	119 U	121 U
Dimethylphthalate	131-11-3	NC	119 U	124 U	115 U	118 U	119 U	121 U
Di-n-butylphthalate	84-74-2	NC	119 U	124 U	115 U	118 U	119 U	121 U
Di-n-octylphthalate	117-84-0	NC	119 U	124 U	115 U	118 U	119 U	121 U
Fluoranthene	206-44-0	100,000	59.3 U	62.1 U	334	561	59.3 U	60.3 U
Fluorene	86-73-7	30,000	59.3 U	62.1 U	47.8 J	66.9	59.3 U	60.3 U
Hexachlorobenzene	118-74-1	330	119 U	124 U	115 U	118 U	119 U	121 U
Hexachlorobutadiene	87-68-3	NC	119 U	124 U	115 U	118 U	119 U	121 U
Hexachlorocyclopentadiene	77-47-4	NC	237 UJ	248 UJ	231 U	236 U	237 U	241 U
Hexachloroethane	67-72-1	NC	119 U	124 U	115 U	118 U	119 U	121 U
Indeno[1,2,3-cd]pyrene	193-39-5	500	59.3 U	62.1 U	103	133	59.3 U	60.3 U
Isophorone	78-59-1	NC	119 U	124 U	115 U	118 U	119 U	121 U
m-Cresol & p-Cresol	MEPH1314	330**	237 U	248 U	231 U	236 U	237 U	241 U
Naphthalene	91-20-3	12,000	59.3 U	62.1 U	57.7 U	39.5 J	59.3 U	60.3 U
Nitrobenzene	98-95-3	NC	119 U	124 U	115 U	118 U	119 U	121 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	119 U	124 U	115 U	118 U	119 U	121 U
N-Nitrosodiphenylamine	86-30-6	NC	119 U	124 U	115 U	118 U	119 U	121 U
Pentachlorophenol	87-86-5	800	237 U	248 U	231 U	236 U	237 U	241 U
Phenanthrene	85-01-8	100,000	60.2	89.3	323	493	74.1	60.3 U
Phenol	108-95-2	330	237 U	248 U	231 U	236 U	237 U	241 U
Pyrene	129-00-0	100,000	41.3 J	62.1 U	272	424	59.3 U	60.3 U
Pyridine	110-86-1	NC	237 U	248 U	231 U	236 U	237 U	241 U
Total SVOC TICs	NA	NC	4,736	11,347	31,450	NT	75,150	14,724

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.

**- action level for Cresol applies to individual isomers.

[BB] = Sample locations where "bone black" or "activated carbon" type material was analyzed.

Exceeds Unrestricted SCO listed in Part 375.

Table 9B - Subsurface Soil Results Compared to Unrestricted SCOs
SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SB-143[BB]	SB-144	SB-145	SB-146	SB-147	SB-148
		Sample ID	SB-143-3-4-030116	SB-144-1-1.8-030116	SB-145-25.4-26.1-030916	SB-146-6-8-030216	SB-147-10-11.4-042216	SB-148-8-9.2-040616
		Sample Date	3/1/2016	3/1/2016	3/9/2016	3/2/2016	4/22/2016	4/7/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	2127346	2127346	2130254	2127346	2139069	2136537
		Start Depth	3	1	25.4	6	10	8
		End Depth	4	1.8	26.1	8	11	9.2
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]						
SVOCs								
1,1'-Biphenyl	92-52-4	NC	408 U	118 U	123 U	120 U	139 U	155
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	408 U	118 U	123 U	120 U	139 U	127 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	816 U	237 U	247 U	240 U	279 U	255 U
2,4,5-Trichlorophenol	95-95-4	NC	816 U	237 U	247 U	240 U	279 U	255 U
2,4,6-Trichlorophenol	88-06-2	NC	816 U	237 U	247 U	240 U	279 U	255 U
2,4-Dichlorophenol	120-83-2	NC	816 U	237 U	247 U	240 U	279 U	255 U
2,4-Dimethylphenol	105-67-9	NC	816 U	237 U	247 U	240 U	279 U	255 U
2,4-Dinitrophenol	51-28-5	NC	1430 U	414 U	432 U	421 U	488 U	446 U
2,4-Dinitrotoluene	121-14-2	NC	408 U	118 U	123 U	120 U	139 U	127 U
2,6-Dinitrotoluene	606-20-2	NC	408 U	118 U	123 U	120 U	139 U	127 U
2-Chloronaphthalene	91-58-7	NC	408 U	118 U	123 U	120 U	139 U	127 U
2-Chlorophenol	95-57-8	NC	816 U	237 U	247 U	240 U	279 U	255 U
2-Methylnaphthalene	91-57-6	NC	408 U	30.3 J	123 U	120 U	139 U	525
2-Methylphenol	95-48-7	330	816 U	237 U	247 U	240 U	279 U	255 U
2-Nitroaniline	88-74-4	NC	816 U	237 U	247 U	240 U	279 U	255 U
2-Nitrophenol	88-75-5	NC	816 U	237 U	247 U	240 U	279 U	255 U
3,3-Dichlorobenzidine	91-94-1	NC	816 U	237 U	247 U	240 U	279 U	255 U
3-Nitroaniline	99-09-2	NC	816 U	237 U	247 U	240 U	279 U	255 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	816 U	237 U	247 U	240 U	279 U	255 U
4-Bromophenyl-phenylether	101-55-3	NC	408 U	118 U	123 U	120 U	139 U	127 U
4-Chloro-3-methylphenol	59-50-7	NC	816 U	237 U	247 U	240 U	279 U	255 U
4-Chloroaniline	106-47-8	NC	816 U	237 U	247 U	240 U	279 U	255 U
4-Chlorophenyl-phenylether	7005-72-3	NC	408 U	118 U	123 U	120 U	139 U	127 U
4-Nitroaniline	100-01-6	NC	816 U	237 U	247 U	240 U	279 U	255 U
4-Nitrophenol	100-02-7	NC	816 U	237 U	247 U	240 U	279 U	255 U
Acenaphthene	83-32-9	20,000	204 U	48.2 J	61.7 U	60.1 U	69.7 U	1,030
Acenaphthylene	208-96-8	100,000	204 U	33.1 J	61.7 U	60.1 U	69.7 U	560
Acetophenone	98-86-2	NC	408 U	181	123 U	120 U	139 U	131
Anthracene	120-12-7	100,000	204 U	270	61.7 U	60.1 U	69.7 U	3,360
Atrazine	1912-24-9	NC	408 U	118 U	123 U	120 U	139 UJ	127 UJ
Benzaldehyde	100-52-7	NC	816 U	35.5 J	247 U	240 U	279 UJ	255 UJ
Benzidine	92-87-5	NC	816 U	237 U	247 U	240 U	279 U	255 U
Benzo[a]anthracene	56-55-3	1,000	413	1,060	61.7 U	60.1 U	69.7 U	5,870
Benzo[a]pyrene	50-32-8	1,000	324	910	61.7 U	60.1 U	69.7 U	5,120
Benzo[b]fluoranthene	205-99-2	1,000	261	1,240	61.7 U	60.1 U	69.7 U	5,990
Benzo[g,h,i]perylene	191-24-2	100,000	554	620	61.7 U	60.1 U	69.7 U	3,230
Benzo[k]fluoranthene	207-08-9	800	204 U	452	61.7 U	60.1 U	69.7 U	2,260
Bis(2-Chloroethoxy)methane	111-91-1	NC	408 U	118 U	123 U	120 U	139 U	127 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	408 U	118 U	123 U	120 U	139 U	127 U
Bis(2-Chloroisopropyl)ether	108-60-1	NC	408 UJ	118 UJ	123 UJ	120 UJ	139 U	127 U
Bis(2-Ethylhexyl)phthalate	117-81-7	NC	1020 U	296 U	309 U	301 U	348 U	221 J
Butylbenzylphthalate	85-68-7	NC	408 U	26.4 J	123 U	120 U	139 U	80 J
Caprolactam	105-60-2	NC	816 U	237 U	247 U	240 U	279 U	255 U
Carbazole	86-74-8	NC	408 U	147	123 U	120 U	139 U	1,000
Chrysene	218-01-9	1,000	935	1,170	61.7 U	60.1 U	69.7 U	5,840
Dibenzo[a,h]Anthracene	53-70-3	330	375	171	61.7 U	60.1 U	69.7 U	810
Dibenzofuran	132-64-9	7,000	408 U	50.6 J	123 U	120 U	139 U	959
Diethylphthalate	84-66-2	NC	408 U	118 U	123 U	120 U	139 U	127 U
Dimethylphthalate	131-11-3	NC	408 U	118 U	123 U	120 U	139 U	127 U
Di-n-butylphthalate	84-74-2	NC	408 U	118 U	123 U	120 U	139 U	127 U
Di-n-octylphthalate	117-84-0	NC	408 U	118 U	123 UJ	120 U	139 U	127 U
Fluoranthene	206-44-0	100,000	204 U	1,970	61.7 U	60.1 U	69.7 U	13,900
Fluorene	86-73-7	30,000	204 U	66.8	61.7 U	60.1 U	69.7 U	1,780
Hexachlorobenzene	118-74-1	330	408 U	118 U	123 U	120 U	139 U	127 U
Hexachlorobutadiene	87-68-3	NC	408 U	118 U	123 U	120 U	139 U	127 U
Hexachlorocyclopentadiene	77-47-4	NC	816 U	237 U	247 UJ	240 U	279 U	255 U
Hexachloroethane	67-72-1	NC	408 U	118 U	123 U	120 U	139 U	127 U
Indeno[1,2,3-cd]pyrene	193-39-5	500	192 J	624	61.7 U	60.1 U	69.7 U	3,530
Isophorone	78-59-1	NC	408 U	118 U	123 U	120 U	139 U	127 U
m-Cresol & p-Cresol	MEPH1314	330**	816 U	237 U	247 U	240 U	279 U	64.9 J
Naphthalene	91-20-3	12,000	204 U	44.2 J	61.7 U	60.1 U	69.7 U	1,410
Nitrobenzene	98-95-3	NC	408 U	118 U	123 U	120 U	139 U	127 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	408 U	118 U	123 U	120 U	139 U	127 U
N-Nitrosodiphenylamine	86-30-6	NC	408 U	118 U	123 U	120 U	139 U	127 U
Pentachlorophenol	87-86-5	800	816 U	237 U	247 U	240 U	279 U	255 U
Phenanthrene	85-01-8	100,000	391	1,180	61.7 U	60.1 U	69.7 U	13,800
Phenol	108-95-2	330	816 U	237 U	247 U	240 U	279 U	255 U
Pyrene	129-00-0	100,000	89.3 J	1,690	61.7 U	60.1 U	69.7 U	10,800
Pyridine	110-86-1	NC	816 U	237 U	247 U	240 U	279 U	255 U
Total SVOC TICs	NA	NC	53,090	702	5116	NT	6,216	30,040

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.

**- action level for Cresol applies to individual isomers.
[BB] = Sample locations where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 9B - Subsurface Soil Results Compared to Unrestricted SCOs
SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SB-149	SB-149[BB]	SB-150	SB-152	SB-154	SB-155
		Sample ID	SB-149-10-11-040616	SB-149-4-5-040616	SB-150-3-4-022916	SB-152-6-7-030316	SB-154-15-17-030316	SB-155-2-3-031016
		Sample Date	4/6/2016	4/6/2016	2/29/2016	3/3/2016	3/3/2016	3/10/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	2136537	2136537	2127346	2129473	2129473	2130254
		Start Depth	10	4	3	6	15	2
		End Depth	11	5	4	7	17	3
Chemical Name	**CAS #**	**NY Part 375 Unrestricted SCO[1]**						
SVOCs								
1,1'-Biphenyl	92-52-4	NC	119 U	179 U	77.9 J	119 U	127 U	124 U
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	119 U	179 U	125 U	119 U	127 U	124 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	238 U	358 U	250 U	238 U	255 U	249 U
2,4,5-Trichlorophenol	95-95-4	NC	238 U	358 U	250 U	238 U	255 U	249 U
2,4,6-Trichlorophenol	88-06-2	NC	238 U	358 U	250 U	238 U	255 U	249 U
2,4-Dichlorophenol	120-83-2	NC	238 U	358 U	250 U	238 U	255 U	249 U
2,4-Dimethylphenol	105-67-9	NC	238 U	358 U	35.6 J	238 U	255 U	249 U
2,4-Dinitrophenol	51-28-5	NC	417 U	626 U	250 U	417 U	446 UJ	435 U
2,4-Dinitrotoluene	121-14-2	NC	119 U	179 U	125 U	119 U	127 U	124 U
2,6-Dinitrotoluene	606-20-2	NC	119 U	179 U	125 U	119 U	127 U	124 U
2-Chloronaphthalene	91-58-7	NC	119 U	179 U	125 U	119 U	127 U	124 U
2-Chlorophenol	95-57-8	NC	238 U	358 U	250 U	238 U	255 U	249 U
2-Methylnaphthalene	91-57-6	NC	119 U	68 J	314	119 U	127 U	124 U
2-Methylphenol	95-48-7	330	238 U	358 U	42.5 J	238 U	255 U	249 U
2-Nitroaniline	88-74-4	NC	238 U	358 U	250 U	238 U	255 U	249 U
2-Nitrophenol	88-75-5	NC	238 U	358 U	250 U	238 U	255 U	249 U
3,3-Dichlorobenzidine	91-94-1	NC	238 U	358 U	250 U	238 U	255 U	249 U
3-Nitroaniline	99-09-2	NC	238 U	358 U	250 U	238 U	255 U	249 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	238 U	358 U	250 U	238 U	255 U	249 U
4-Bromophenyl-phenylether	101-55-3	NC	119 U	179 U	125 U	119 U	127 U	124 U
4-Chloro-3-methylphenol	59-50-7	NC	238 U	358 U	250 U	238 U	255 U	249 U
4-Chloroaniline	106-47-8	NC	238 U	358 U	250 U	238 U	255 U	249 U
4-Chlorophenyl-phenylether	7005-72-3	NC	119 U	179 U	125 U	119 U	127 U	124 U
4-Nitroaniline	100-01-6	NC	238 U	358 U	250 U	238 U	255 U	249 U
4-Nitrophenol	100-02-7	NC	238 U	358 U	250 U	238 U	255 U	249 U
Acenaphthene	83-32-9	20,000	59.6 U	89.4 U	415	59.6 U	63.6 U	62.2 U
Acenaphthylene	208-96-8	100,000	59.6 U	89.4 U	765	59.6 U	63.6 U	62.2 U
Acetophenone	98-86-2	NC	119 U	179 U	52.6 J	119 U	127 U	124 U
Anthracene	120-12-7	100,000	59.6 U	89.4 U	1,960	41.4 J	63.6 U	62.2 U
Atrazine	1912-24-9	NC	119 UJ	179 UJ	125 U	119 U	127 U	124 U
Benzaldehyde	100-52-7	NC	238 UJ	48.6 J	103 J	238 U	255 U	249 U
Benzidine	92-87-5	NC	238 U	358 U	250 U	238 U	255 U	249 U
Benzo[a]anthracene	56-55-3	1,000	59.6 U	101	5,950	120	63.6 U	62.2 U
Benzo[a]pyrene	50-32-8	1,000	59.6 U	89.4 U	6,500	111	63.6 U	62.2 U
Benzo[b]fluoranthene	205-99-2	1,000	59.6 U	47.8 J	8,680	146	63.6 U	62.2 U
Benzo[g,h,i]perylene	191-24-2	100,000	59.6 U	46.7 J	4,310	101	63.6 U	62.2 U
Benzo[k]fluoranthene	207-08-9	800	59.6 U	89.4 U	3,030	54.1 J	63.6 U	62.2 U
Bis(2-Chloroethoxy)methane	111-91-1	NC	119 U	179 U	125 U	119 U	127 U	124 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	119 U	179 U	125 U	119 U	127 U	124 U
Bis(2-Chloroisopropyl)ether	108-60-1	NC	119 U	179 U	125 U	119 U	127 U	124 UJ
Bis(2-Ethylhexyl)phthalate	117-81-7	NC	298 U	447 U	57.4 J	298 U	318 U	311 U
Butylbenzylphthalate	85-68-7	NC	119 U	179 U	125 U	119 U	127 U	124 U
Caprolactam	105-60-2	NC	238 U	358 U	250 U	238 U	255 U	249 U
Carbazole	86-74-8	NC	119 U	179 U	516	30.5 J	127 U	124 U
Chrysene	218-01-9	1,000	59.6 U	195	6,200	135	63.6 U	62.2 U
Dibenzo[a,h]Anthracene	53-70-3	330	59.6 U	48.2 J	NA	59.6 U	63.6 U	62.2 U
Dibenzofuran	132-64-9	7,000	119 U	179 U	552 J	25.6 J	127 U	124 U
Diethylphthalate	84-66-2	NC	119 U	179 U	125 UJ	119 U	127 U	124 U
Dimethylphthalate	131-11-3	NC	119 U	179 U	125 U	119 U	127 U	124 U
Di-n-butylphthalate	84-74-2	NC	119 U	179 U	125 UJ	119 U	127 U	124 U
Di-n-octylphthalate	117-84-0	NC	119 U	179 U	125 UJ	119 U	127 U	124 UJ
Fluoranthene	206-44-0	100,000	59.6 U	89.4 U	8,550 J	199	63.6 U	62.2 U
Fluorene	86-73-7	30,000	59.6 U	89.4 U	538	27.6 J	63.6 U	62.2 U
Hexachlorobenzene	118-74-1	330	119 U	179 U	125 U	119 U	127 U	124 U
Hexachlorobutadiene	87-68-3	NC	119 U	179 U	125 U	119 U	127 U	124 U
Hexachlorocyclopentadiene	77-47-4	NC	238 U	358 U	250 U	238 UJ	255 UJ	249 UJ
Hexachloroethane	67-72-1	NC	119 U	179 U	125 U	119 U	127 U	124 U
Indeno[1,2,3-cd]pyrene	193-39-5	500	59.6 U	89.4 U	4,800	78.8	63.6 U	62.2 U
Isophorone	78-59-1	NC	119 U	179 U	125 U	119 U	127 U	124 U
m-Cresol & p-Cresol	MEPH1314	330**	238 U	358 U	115 J	238 U	255 U	249 U
Naphthalene	91-20-3	12,000	59.6 U	38.3 J	485 J	31 J	63.6 U	62.2 U
Nitrobenzene	98-95-3	NC	119 U	179 U	125 U	119 U	127 U	124 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	119 U	179 U	125 U	119 U	127 U	124 U
N-Nitrosodiphenylamine	86-30-6	NC	119 U	179 U	125 U	119 U	127 U	124 U
Pentachlorophenol	87-86-5	800	238 U	358 U	250 U	238 U	255 U	249 U
Phenanthrene	85-01-8	100,000	35.7 J	330	5,650 J	163	63.6 U	62.2 U
Phenol	108-95-2	330	238 U	358 U	85.5 J	238 U	255 U	249 U
Pyrene	129-00-0	100,000	59.6 U	39.5 J	8,470	183	63.6 U	62.2 U
Pyridine	110-86-1	NC	238 U	358 U	NA	238 U	255 U	249 U
Total SVOC TICs	NA	NC	11,516	4,435	30,494	851	14,554	1352

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.

**- action level for Cresol applies to individual isomers.
[BB] = Sample locations where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 9B - Subsurface Soil Results Compared to Unrestricted SCOs
SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SB-156	SB-157	SB-158	SB-159	SB-160	SB-161
		Sample ID	SB-156-16-17-030916	SB-157-20.5-21.5-030916	SB-158-16-17.5-030816	SB-159-17-18-030916	SB-160-4-5-030916	SB-161-24-26-030816
		Sample Date	3/9/2016	3/9/2016	3/8/2016	3/9/2016	3/9/2016	3/8/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	2130254	2130254	2130254	2130254	2130254	2130254
		Start Depth	16	20.5	16	17	4	24
		End Depth	17	21.5	17.5	18	5	26
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]						
SVOCs								
1,1'-Biphenyl	92-52-4	NC	105 U	120 U	108 U	125 U	110 U	112 U
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	105 U	120 U	108 U	125 U	110 U	112 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	210 U	240 U	215 U	250 U	220 U	224 U
2,4,5-Trichlorophenol	95-95-4	NC	210 U	240 U	215 U	250 U	220 U	224 U
2,4,6-Trichlorophenol	88-06-2	NC	210 U	240 U	215 U	250 U	220 U	224 U
2,4-Dichlorophenol	120-83-2	NC	210 U	240 U	215 U	250 U	220 U	224 U
2,4-Dimethylphenol	105-67-9	NC	210 U	240 U	215 U	250 U	220 U	224 U
2,4-Dinitrophenol	51-28-5	NC	368 U	421 U	376 U	438 U	386 U	393 U
2,4-Dinitrotoluene	121-14-2	NC	105 U	120 U	108 U	125 U	110 U	112 U
2,6-Dinitrotoluene	606-20-2	NC	105 U	120 U	108 U	125 U	110 U	112 U
2-Chloronaphthalene	91-58-7	NC	105 U	120 U	108 U	125 U	110 U	112 U
2-Chlorophenol	95-57-8	NC	210 U	240 U	215 U	250 U	220 U	224 U
2-Methylnaphthalene	91-57-6	NC	105 U	120 U	108 U	125 U	110 U	112 U
2-Methylphenol	95-48-7	330	210 U	240 U	215 U	250 U	220 U	224 U
2-Nitroaniline	88-74-4	NC	210 U	240 U	215 U	250 U	220 U	224 U
2-Nitrophenol	88-75-5	NC	210 U	240 U	215 U	250 U	220 U	224 U
3,3-Dichlorobenzidine	91-94-1	NC	210 U	240 U	215 U	250 U	220 U	224 U
3-Nitroaniline	99-09-2	NC	210 U	240 U	215 U	250 U	220 U	224 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	210 U	240 U	215 U	250 U	220 U	224 U
4-Bromophenyl-phenylether	101-55-3	NC	105 U	120 U	108 U	125 U	110 U	112 U
4-Chloro-3-methylphenol	59-50-7	NC	210 U	240 U	215 U	250 U	220 U	224 U
4-Chloroaniline	106-47-8	NC	210 U	240 U	215 U	250 U	220 U	224 U
4-Chlorophenyl-phenylether	7005-72-3	NC	105 U	120 U	108 U	125 U	110 U	112 U
4-Nitroaniline	100-01-6	NC	210 U	240 U	215 U	250 U	220 U	224 U
4-Nitrophenol	100-02-7	NC	210 U	240 U	215 U	250 U	220 U	224 U
Acenaphthene	83-32-9	20,000	52.6 U	60.1 U	53.8 U	62.6 U	55.1 U	56.1 U
Acenaphthylene	208-96-8	100,000	52.6 U	60.1 U	53.8 U	62.6 U	55.1 U	56.1 U
Acetophenone	98-86-2	NC	105 U	120 U	108 U	125 U	110 U	112 U
Anthracene	120-12-7	100,000	52.6 U	60.1 U	53.8 U	62.6 U	55.1 U	56.1 U
Atrazine	1912-24-9	NC	105 U	120 U	108 U	125 U	110 U	112 U
Benzaldehyde	100-52-7	NC	210 U	240 U	215 U	250 U	220 U	224 U
Benzidine	92-87-5	NC	210 U	240 U	215 U	250 U	220 U	224 U
Benzo[a]anthracene	56-55-3	1,000	52.6 U	60.1 U	53.8 U	62.6 U	21.5 J	56.1 U
Benzo[a]pyrene	50-32-8	1,000	52.6 U	60.1 U	53.8 U	62.6 U	55.1 U	56.1 U
Benzo[b]fluoranthene	205-99-2	1,000	52.6 U	60.1 U	53.8 U	62.6 U	33.7 J	56.1 U
Benzo[g,h,i]perylene	191-24-2	100,000	52.6 U	60.1 U	53.8 U	62.6 U	55.1 U	56.1 U
Benzo[k]fluoranthene	207-08-9	800	52.6 U	60.1 U	53.8 U	62.6 U	55.1 U	56.1 U
Bis(2-Chloroethoxy)methane	111-91-1	NC	105 U	120 U	108 U	125 U	110 U	112 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	105 U	120 U	108 U	125 U	110 U	112 U
Bis(2-Chloroisopropyl)ether	108-60-1	NC	105 UJ	120 UJ	108 UJ	125 UJ	110 UJ	112 UJ
Bis(2-Ethylhexyl)phthalate	117-81-7	NC	263 U	300 U	269 U	313 U	276 U	280 U
Butylbenzylphthalate	85-68-7	NC	105 U	120 U	108 U	125 U	110 U	112 U
Caprolactam	105-60-2	NC	210 U	240 U	215 U	250 U	220 U	224 U
Carbazole	86-74-8	NC	105 U	120 U	108 U	125 U	110 U	112 U
Chrysene	218-01-9	1,000	52.6 U	60.1 U	53.8 U	62.6 U	55.1 U	56.1 U
Dibenzo[a,h]Anthracene	53-70-3	330	52.6 U	60.1 U	53.8 U	62.6 U	55.1 U	56.1 U
Dibenzofuran	132-64-9	7,000	105 U	120 U	108 U	125 U	110 U	112 U
Diethylphthalate	84-66-2	NC	105 U	120 U	108 U	125 U	110 U	112 U
Dimethylphthalate	131-11-3	NC	105 U	120 U	108 U	125 U	110 U	112 U
Di-n-butylphthalate	84-74-2	NC	105 U	120 U	108 U	125 U	110 U	112 U
Di-n-octylphthalate	117-84-0	NC	105 UJ	120 UJ	108 UJ	125 UJ	110 UJ	112 UJ
Fluoranthene	206-44-0	100,000	52.6 U	60.1 U	53.8 U	62.6 U	30.4 J	56.1 U
Fluorene	86-73-7	30,000	52.6 U	60.1 U	53.8 U	62.6 U	55.1 U	56.1 U
Hexachlorobenzene	118-74-1	330	105 U	120 U	108 U	125 U	110 U	112 U
Hexachlorobutadiene	87-68-3	NC	105 U	120 U	108 U	125 U	110 U	112 U
Hexachlorocyclopentadiene	77-47-4	NC	210 UJ	240 UJ	215 UJ	250 UJ	220 UJ	224 UJ
Hexachloroethane	67-72-1	NC	105 U	120 U	108 U	125 U	110 U	112 U
Indeno[1,2,3-cd]pyrene	193-39-5	500	52.6 U	60.1 U	53.8 U	62.6 U	55.1 U	56.1 U
Isophorone	78-59-1	NC	105 U	120 U	108 U	125 U	110 U	112 U
m-Cresol & p-Cresol	MEPH1314	330**	210 U	240 U	215 U	250 U	220 U	224 U
Naphthalene	91-20-3	12,000	52.6 U	60.1 U	53.8 U	62.6 U	55.1 U	56.1 U
Nitrobenzene	98-95-3	NC	105 U	120 U	108 U	125 U	110 U	112 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	105 U	120 U	108 U	125 U	110 U	112 U
N-Nitrosodiphenylamine	86-30-6	NC	105 U	120 U	108 U	125 U	110 U	112 U
Pentachlorophenol	87-86-5	800	210 U	240 U	215 U	250 U	220 U	224 U
Phenanthrene	85-01-8	100,000	52.6 U	60.1 U	53.8 U	62.6 U	55.1 U	56.1 U
Phenol	108-95-2	330	210 U	240 U	215 U	250 U	220 U	224 U
Pyrene	129-00-0	100,000	52.6 U	60.1 U	53.8 U	62.6 U	24.9 J	56.1 U
Pyridine	110-86-1	NC	210 U	240 U	215 U	250 U	220 U	224 U
Total SVOC TICs	NA	NC	NT	NT	NT	407	NT	NT

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.

**- action level for Cresol applies to individual isomers.
[BB] = Sample locations where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 9B - Subsurface Soil Results Compared to Unrestricted SCOs
SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SB-162	SB-163	SB-164	SB-165	SB-166	SB-167
		Sample ID	SB-162-19-20-030816	SB-163-13.5-16-030816	SB-164-4-5.9-030716	SB-165-22-23-030716	SB-166-13-15-030816	SB-167-18-19-030716
		Sample Date	3/8/2016	3/8/2016	3/7/2016	3/7/2016	3/8/2016	3/7/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	2130254	2130254	2129473	2129473	2130254	2129473
		Start Depth	19	13.5	4	22	13	18
		End Depth	20	16	5.9	23	15	19
Chemical Name	**CAS #**	**NY Part 375 Unrestricted SCO[1]**						
SVOCs								
1,1'-Biphenyl	92-52-4	NC	121 U	117 U	107 U	129 U	116 U	116 U
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	121 U	117 U	107 U	129 U	116 U	116 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	242 U	235 U	214 U	257 U	231 U	232 U
2,4,5-Trichlorophenol	95-95-4	NC	242 U	235 U	214 U	257 U	231 U	232 U
2,4,6-Trichlorophenol	88-06-2	NC	242 U	235 U	214 U	257 U	231 U	232 U
2,4-Dichlorophenol	120-83-2	NC	242 U	235 U	214 U	257 U	231 U	232 U
2,4-Dimethylphenol	105-67-9	NC	242 U	235 U	214 U	257 U	231 U	232 U
2,4-Dinitrophenol	51-28-5	NC	424 U	411 U	374 U	450 U	404 U	406 U
2,4-Dinitrotoluene	121-14-2	NC	121 U	117 U	107 U	129 U	116 U	116 U
2,6-Dinitrotoluene	606-20-2	NC	121 U	117 U	107 U	129 U	116 U	116 U
2-Chloronaphthalene	91-58-7	NC	121 U	117 U	107 U	129 U	116 U	116 U
2-Chlorophenol	95-57-8	NC	242 U	235 U	214 U	257 U	231 U	232 U
2-Methylnaphthalene	91-57-6	NC	121 U	117 U	107 U	129 U	116 U	116 U
2-Methylphenol	95-48-7	330	242 U	235 U	214 U	257 U	231 U	232 U
2-Nitroaniline	88-74-4	NC	242 U	235 U	214 U	257 U	231 U	232 U
2-Nitrophenol	88-75-5	NC	242 U	235 U	214 U	257 U	231 U	232 U
3,3-Dichlorobenzidine	91-94-1	NC	242 U	235 U	214 U	257 U	231 U	232 U
3-Nitroaniline	99-09-2	NC	242 U	235 U	214 U	257 U	231 U	232 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	242 U	235 U	214 U	257 U	231 U	232 U
4-Bromophenyl-phenylether	101-55-3	NC	121 U	117 U	107 U	129 U	116 U	116 U
4-Chloro-3-methylphenol	59-50-7	NC	242 U	235 U	214 U	257 U	231 U	232 U
4-Chloroaniline	106-47-8	NC	242 U	235 U	214 U	257 U	231 U	232 U
4-Chlorophenyl-phenylether	7005-72-3	NC	121 U	117 U	107 U	129 U	116 U	116 U
4-Nitroaniline	100-01-6	NC	242 U	235 U	214 U	257 U	231 U	232 U
4-Nitrophenol	100-02-7	NC	242 U	235 U	214 U	257 U	231 U	232 U
Acenaphthene	83-32-9	20,000	60.6 U	58.7 U	53.5 U	64.3 U	57.8 U	58 U
Acenaphthylene	208-96-8	100,000	60.6 U	58.7 U	53.5 U	64.3 U	57.8 U	58 U
Acetophenone	98-86-2	NC	142	117 U	107 U	129 U	116 U	116 U
Anthracene	120-12-7	100,000	60.6 U	58.7 U	53.5 U	64.3 U	57.8 U	58 U
Atrazine	1912-24-9	NC	121 U	117 U	107 U	129 U	116 U	116 U
Benzaldehyde	100-52-7	NC	242 U	235 U	214 U	257 U	231 U	232 U
Benzidine	92-87-5	NC	242 U	235 U	214 U	257 U	231 U	232 U
Benzo[a]anthracene	56-55-3	1,000	60.6 U	58.7 U	53.5 U	64.3 U	57.8 U	58 U
Benzo[a]pyrene	50-32-8	1,000	60.6 U	58.7 U	53.5 U	64.3 U	57.8 U	58 U
Benzo[b]fluoranthene	205-99-2	1,000	60.6 U	58.7 U	53.5 U	64.3 U	57.8 U	58 U
Benzo[g,h,i]perylene	191-24-2	100,000	60.6 U	58.7 U	53.5 U	64.3 U	57.8 U	58 U
Benzo[k]fluoranthene	207-08-9	800	60.6 U	58.7 U	53.5 U	64.3 U	57.8 U	58 U
Bis(2-Chloroethoxy)methane	111-91-1	NC	121 U	117 U	107 U	129 U	116 U	116 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	121 U	117 U	107 U	129 U	116 U	116 U
Bis(2-Chloroisopropyl)ether	108-60-1	NC	121 UJ	117 UJ	107 U	129 U	116 UJ	116 U
Bis(2-Ethylhexyl)phthalate	117-81-7	NC	303 U	293 U	267 U	322 U	289 U	290 U
Butylbenzylphthalate	85-68-7	NC	121 U	117 U	107 U	129 U	116 U	116 U
Caprolactam	105-60-2	NC	242 U	235 U	214 U	257 U	231 U	232 U
Carbazole	86-74-8	NC	121 U	117 U	107 U	129 U	116 U	116 U
Chrysene	218-01-9	1,000	60.6 U	58.7 U	53.5 U	64.3 U	57.8 U	58 U
Dibenzo[a,h]Anthracene	53-70-3	330	60.6 U	58.7 U	53.5 U	64.3 U	57.8 U	58 U
Dibenzofuran	132-64-9	7,000	121 U	117 U	107 U	129 U	116 U	116 U
Diethylphthalate	84-66-2	NC	121 U	117 U	107 U	129 U	116 U	116 U
Dimethylphthalate	131-11-3	NC	121 U	117 U	107 U	129 U	116 U	116 U
Di-n-butylphthalate	84-74-2	NC	121 U	117 U	107 U	129 U	116 U	116 U
Di-n-octylphthalate	117-84-0	NC	121 UJ	117 UJ	107 U	129 U	116 UJ	116 U
Fluoranthene	206-44-0	100,000	60.6 U	58.7 U	53.5 U	64.3 U	57.8 U	58 U
Fluorene	86-73-7	30,000	60.6 U	58.7 U	53.5 U	64.3 U	57.8 U	58 U
Hexachlorobenzene	118-74-1	330	121 U	117 U	107 U	129 U	116 U	116 U
Hexachlorobutadiene	87-68-3	NC	121 U	117 U	107 U	129 U	116 U	116 U
Hexachlorocyclopentadiene	77-47-4	NC	242 UJ	235 UJ	214 UJ	257 UJ	231 UJ	232 UJ
Hexachloroethane	67-72-1	NC	121 U	117 U	107 U	129 U	116 U	116 U
Indeno[1,2,3-cd]pyrene	193-39-5	500	60.6 U	58.7 U	53.5 U	64.3 U	57.8 U	58 U
Isophorone	78-59-1	NC	121 U	117 U	107 U	129 U	116 U	116 U
m-Cresol & p-Cresol	MEPH1314	330**	242 U	235 U	214 U	257 U	231 U	232 U
Naphthalene	91-20-3	12,000	60.6 U	58.7 U	24.2 J	64.3 U	57.8 U	58 U
Nitrobenzene	98-95-3	NC	121 U	117 U	107 U	129 U	116 U	116 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	121 U	117 U	107 U	129 U	116 U	116 U
N-Nitrosodiphenylamine	86-30-6	NC	121 U	117 U	107 U	129 U	116 U	116 U
Pentachlorophenol	87-86-5	800	242 U	235 U	214 U	257 U	231 U	232 U
Phenanthrene	85-01-8	100,000	60.6 U	58.7 U	53.5 U	64.3 U	57.8 U	23.5 J
Phenol	108-95-2	330	242 U	235 U	214 U	75.4 J	231 U	232 U
Pyrene	129-00-0	100,000	60.6 U	58.7 U	53.5 U	64.3 U	57.8 U	58 U
Pyridine	110-86-1	NC	242 U	235 U	214 U	257 U	231 U	232 U
Total SVOC TICs	NA	NC	10,841	NT	289	1,568	NT	18103

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.

**- action level for Cresol applies to individual isomers.

[BB] = Sample locations where "bone black" or "activated carbon" type material was analyzed.

Exceeds Unrestricted SCO listed in Part 375.

Table 9B - Subsurface Soil Results Compared to Unrestricted SCOs
SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SB-168	SB-169	SB-170	SB-172	SB-173	SB-174
		Sample ID	SB-168-16-17-030816	SB-169-16-17-030716	SB-170-16-16.8-022916	SB-172-8.8-9.6-082217	SB-173-12-15-082117	SB-174-12.5-15-082117
		Sample Date	3/8/2016	3/7/2016	2/29/2016	8/22/2017	8/21/2017	8/21/2017
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	2130254	2129473	2127346	2258101	2258101	2258101
		Start Depth	16	16	16	8.8	12	12.5
		End Depth	17	17	16.8	9.6	15	15
Chemical Name	**CAS #**	**NY Part 375 Unrestricted SCO[1]**						
SVOCs								
1,1'-Biphenyl	92-52-4	NC	121 U	115 U	127 U	112 U	113 U	127 U
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	121 U	115 U	127 U	112 U	113 U	127 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	241 U	230 U	254 U	224 U	227 U	255 U
2,4,5-Trichlorophenol	95-95-4	NC	241 U	230 U	254 U	224 U	227 U	255 U
2,4,6-Trichlorophenol	88-06-2	NC	241 U	230 U	254 U	224 U	227 U	255 U
2,4-Dichlorophenol	120-83-2	NC	241 U	230 U	254 U	224 U	227 UJ	255 U
2,4-Dimethylphenol	105-67-9	NC	241 U	230 U	254 U	224 U	227 U	255 U
2,4-Dinitrophenol	51-28-5	NC	422 U	403 U	444 UJ	224 U	227 U	255 U
2,4-Dinitrotoluene	121-14-2	NC	121 U	115 U	127 U	112 U	113 U	127 U
2,6-Dinitrotoluene	606-20-2	NC	121 U	115 U	127 U	112 U	113 U	127 U
2-Chloronaphthalene	91-58-7	NC	121 U	115 U	127 U	112 U	113 U	127 U
2-Chlorophenol	95-57-8	NC	241 U	230 U	254 U	224 U	227 U	255 U
2-Methylnaphthalene	91-57-6	NC	121 U	1,200	127 U	112 U	113 U	127 U
2-Methylphenol	95-48-7	330	241 U	230 U	254 U	224 U	227 U	255 U
2-Nitroaniline	88-74-4	NC	241 U	230 U	254 U	224 U	227 U	255 U
2-Nitrophenol	88-75-5	NC	241 U	230 U	254 U	224 U	227 U	255 U
3,3-Dichlorobenzidine	91-94-1	NC	241 U	230 U	254 U	224 U	227 U	255 U
3-Nitroaniline	99-09-2	NC	241 U	230 U	254 U	224 U	227 U	255 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	241 U	230 U	254 U	224 U	227 UJ	255 U
4-Bromophenyl-phenylether	101-55-3	NC	121 U	115 U	127 U	112 U	113 U	127 U
4-Chloro-3-methylphenol	59-50-7	NC	241 U	230 U	254 U	224 U	227 U	255 U
4-Chloroaniline	106-47-8	NC	241 U	230 U	254 U	224 U	227 U	255 U
4-Chlorophenyl-phenylether	7005-72-3	NC	121 U	115 U	127 U	112 U	113 U	127 U
4-Nitroaniline	100-01-6	NC	241 U	230 U	254 U	224 U	227 U	255 U
4-Nitrophenol	100-02-7	NC	241 U	230 U	254 U	224 U	227 U	255 U
Acenaphthene	83-32-9	20,000	60.3 U	57.6 U	63.4 U	56 U	56.7 U	63.7 U
Acenaphthylene	208-96-8	100,000	60.3 U	57.6 U	63.4 U	56 U	56.7 U	63.7 U
Acetophenone	98-86-2	NC	121 U	115 U	127 U	112 U	113 U	127 U
Anthracene	120-12-7	100,000	60.3 U	37.6 J	63.4 U	56 U	56.7 U	63.7 U
Atrazine	1912-24-9	NC	121 U	115 U	127 U	112 U	113 U	127 U
Benzaldehyde	100-52-7	NC	241 U	230 U	254 UJ	224 U	227 U	255 U
Benzidine	92-87-5	NC	241 U	230 U	254 U	224 U	227 U	255 U
Benzo[a]anthracene	56-55-3	1,000	60.3 U	57.6 U	63.4 U	56 U	56.7 U	63.7 U
Benzo[a]pyrene	50-32-8	1,000	60.3 U	57.6 U	63.4 U	56 U	56.7 U	63.7 U
Benzo[b]fluoranthene	205-99-2	1,000	60.3 U	57.6 U	63.4 U	56 U	56.7 U	63.7 U
Benzo[g,h,i]perylene	191-24-2	100,000	60.3 U	57.6 U	63.4 U	56 U	56.7 U	63.7 U
Benzo[k]fluoranthene	207-08-9	800	60.3 U	57.6 U	63.4 U	56 U	56.7 U	63.7 U
Bis(2-Chloroethoxy)methane	111-91-1	NC	121 U	115 U	127 U	112 U	113 U	127 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	121 U	115 U	127 U	112 U	113 U	127 U
Bis(2-Chloroisopropyl)ether	108-60-1	NC	121 UJ	115 U	127 U	112 U	113 U	127 U
Bis(2-Ethylhexyl)phthalate	117-81-7	NC	302 U	288 U	317 U	112 U	113 U	127 U
Butylbenzylphthalate	85-68-7	NC	121 U	115 U	127 U	112 U	113 U	127 U
Caprolactam	105-60-2	NC	241 U	230 U	254 U	224 U	227 U	255 U
Carbazole	86-74-8	NC	121 U	115 U	127 U	112 U	113 U	127 U
Chrysene	218-01-9	1,000	60.3 U	36.3 J	63.4 U	56 U	56.7 U	63.7 U
Dibenzo[a,h]Anthracene	53-70-3	330	60.3 U	57.6 U	63.4 U	56 U	56.7 U	63.7 U
Dibenzofuran	132-64-9	7,000	121 U	115 U	127 U	112 U	113 U	127 U
Diethylphthalate	84-66-2	NC	121 U	115 U	127 U	112 U	113 U	127 U
Dimethylphthalate	131-11-3	NC	121 U	115 U	127 U	112 U	113 U	127 U
Di-n-butylphthalate	84-74-2	NC	121 U	115 U	127 U	112 U	113 U	127 U
Di-n-octylphthalate	117-84-0	NC	121 UJ	115 U	127 U	112 U	113 U	127 U
Fluoranthene	206-44-0	100,000	60.3 U	57.6 U	63.4 U	56 U	56.7 U	63.7 U
Fluorene	86-73-7	30,000	60.3 U	90.8	63.4 U	56 U	56.7 U	63.7 U
Hexachlorobenzene	118-74-1	330	121 U	115 U	127 U	112 U	113 U	127 U
Hexachlorobutadiene	87-68-3	NC	121 U	115 U	127 U	112 U	113 U	127 U
Hexachlorocyclopentadiene	77-47-4	NC	241 UJ	230 UJ	254 UJ	224 U	227 UJ	255 U
Hexachloroethane	67-72-1	NC	121 U	115 U	127 U	112 U	113 U	127 U
Indeno[1,2,3-cd]pyrene	193-39-5	500	60.3 U	57.6 U	63.4 U	56 U	56.7 U	63.7 U
Isophorone	78-59-1	NC	121 U	115 U	127 U	112 U	113 U	127 U
m-Cresol & p-Cresol	MEPH1314	330**	241 U	230 U	254 U	224 U	227 U	255 U
Naphthalene	91-20-3	12,000	60.3 U	390	63.4 U	56 U	56.7 U	63.7 U
Nitrobenzene	98-95-3	NC	121 U	115 U	127 U	112 U	113 U	127 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	121 U	115 U	127 U	112 U	113 U	127 U
N-Nitrosodiphenylamine	86-30-6	NC	121 U	115 U	127 U	112 U	113 U	127 U
Pentachlorophenol	87-86-5	800	241 U	230 U	254 U	224 U	227 U	255 U
Phenanthrene	85-01-8	100,000	60.3 U	203	63.4 U	56 U	56.7 U	63.7 U
Phenol	108-95-2	330	241 U	230 U	254 U	224 U	227 U	255 U
Pyrene	129-00-0	100,000	60.3 U	53.9 J	63.4 U	56 U	56.7 U	63.7 U
Pyridine	110-86-1	NC	241 U	230 U	NA	224 U	227 U	255 U
Total SVOC TICs	NA	NC	NT	148,090	NT	NT	NT	NT

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.

**- action level for Cresol applies to individual isomers.
[BB] = Sample locations where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 9B - Subsurface Soil Results Compared to Unrestricted SCOs
SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SB-175	SB-176	SB-177	SB-178	SB-TP-131	SB-TP-139[BB]
		Sample ID	SB-175-21-21.4-030716	SB-176-6-7-041216	SB-177-5.5-6.5-031416	SB-178-1.5-2-031416	SB-TP-131-5-7-031516	DUP-001-030716
		Sample Date	3/7/2016	4/12/2016	3/14/2016	3/14/2016	3/15/2016	3/7/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	2129473	2136537	2130903	2130903	2130900	2129473
		Start Depth	21	6	5.5	1.5	5	12
		End Depth	21.4	7	6.5	2	7	14
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]						
SVOCs								
1,1'-Biphenyl	92-52-4	NC	110 U	125 U	122 U	118 U	63.1 J	121 U
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	110 U	125 U	122 U	118 U	130 U	121 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	220 U	250 U	244 U	235 U	261 R	242 U
2,4,5-Trichlorophenol	95-95-4	NC	220 U	250 U	244 U	235 U	261 R	242 U
2,4,6-Trichlorophenol	88-06-2	NC	220 U	250 U	244 U	235 U	261 R	242 U
2,4-Dichlorophenol	120-83-2	NC	220 U	250 U	244 U	235 U	261 U	242 U
2,4-Dimethylphenol	105-67-9	NC	220 U	250 U	244 U	235 U	261 R	242 U
2,4-Dinitrophenol	51-28-5	NC	385 U	437 U	426 U	412 U	456 R	424 U
2,4-Dinitrotoluene	121-14-2	NC	110 U	125 U	122 U	118 U	130 U	121 U
2,6-Dinitrotoluene	606-20-2	NC	110 U	125 U	122 U	118 U	130 U	121 U
2-Chloronaphthalene	91-58-7	NC	110 U	125 U	122 U	118 U	130 U	121 U
2-Chlorophenol	95-57-8	NC	220 U	250 U	244 U	235 U	261 R	242 U
2-Methylnaphthalene	91-57-6	NC	110 U	125 U	122 U	118 U	45.8 J	121 U
2-Methylphenol	95-48-7	330	220 U	250 U	244 U	235 U	261 R	242 U
2-Nitroaniline	88-74-4	NC	220 U	250 U	244 U	235 U	261 U	242 U
2-Nitrophenol	88-75-5	NC	220 U	250 U	244 U	235 U	261 R	242 U
3,3-Dichlorobenzidine	91-94-1	NC	220 U	250 U	244 U	235 U	261 U	242 U
3-Nitroaniline	99-09-2	NC	220 U	250 U	244 U	235 U	261 U	242 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	220 U	250 U	244 U	235 U	261 R	242 U
4-Bromophenyl-phenylether	101-55-3	NC	110 U	125 U	122 U	118 U	130 U	121 U
4-Chloro-3-methylphenol	59-50-7	NC	220 U	250 U	244 UJ	235 UJ	261 R	242 U
4-Chloroaniline	106-47-8	NC	220 U	250 U	244 U	235 U	261 U	242 U
4-Chlorophenyl-phenylether	7005-72-3	NC	110 U	125 U	122 U	118 U	130 U	121 U
4-Nitroaniline	100-01-6	NC	220 U	250 U	244 U	235 U	261 U	242 U
4-Nitrophenol	100-02-7	NC	220 U	250 U	244 UJ	235 UJ	261 R	242 U
Acenaphthene	83-32-9	20,000	55 U	104	60.9 U	58.9 U	65.2 U	60.5 U
Acenaphthylene	208-96-8	100,000	55 U	62.5 U	60.9 U	58.9 U	118	60.5 U
Acetophenone	98-86-2	NC	110 U	125 U	122 U	118 U	130 U	121 U
Anthracene	120-12-7	100,000	55 U	62.5 U	60.9 U	58.9 U	65.2 U	60.5 U
Atrazine	1912-24-9	NC	110 U	125 UJ	122 U	118 U	130 U	121 U
Benzaldehyde	100-52-7	NC	220 U	250 UJ	244 UJ	235 UJ	261 UJ	242 U
Benzidine	92-87-5	NC	220 U	250 U	244 U	235 U	261 U	242 U
Benzo[a]anthracene	56-55-3	1,000	55 U	63.6	60.9 U	58.9 U	65.2 U	60.5 U
Benzo[a]pyrene	50-32-8	1,000	55 U	59.9 J	60.9 U	58.9 U	65.2 U	60.5 U
Benzo[b]fluoranthene	205-99-2	1,000	55 U	82	60.9 U	58.9 U	65.2 U	60.5 U
Benzo[g,h,i]perylene	191-24-2	100,000	55 U	42.9 J	60.9 U	58.9 U	65.2 U	60.5 U
Benzo[k]fluoranthene	207-08-9	800	55 U	62.5 U	60.9 U	58.9 U	65.2 U	60.5 U
Bis(2-Chloroethoxy)methane	111-91-1	NC	110 U	125 U	122 U	118 U	130 U	121 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	110 U	125 U	122 U	118 U	130 UJ	121 U
Bis(2-Chloroisopropyl)ether	108-60-1	NC	110 U	125 U	122 UJ	118 UJ	130 U	121 U
Bis(2-Ethylhexyl)phthalate	117-81-7	NC	275 U	312 U	305 U	294 U	326 U	303 U
Butylbenzylphthalate	85-68-7	NC	110 U	125 U	122 U	118 U	130 U	121 U
Caprolactam	105-60-2	NC	220 U	250 U	244 U	235 U	261 U	242 U
Carbazole	86-74-8	NC	110 U	125 U	122 U	118 U	130 U	121 U
Chrysene	218-01-9	1,000	55 U	62.5	60.9 U	58.9 U	65.2 U	60.5 U
Dibenzo[a,h]Anthracene	53-70-3	330	55 U	62.5 U	60.9 U	58.9 U	65.2 U	60.5 U
Dibenzofuran	132-64-9	7,000	110 U	125 U	122 U	118 U	130 U	121 U
Diethylphthalate	84-66-2	NC	110 U	125 U	122 U	27.5 J	52.8 J	121 U
Dimethylphthalate	131-11-3	NC	110 U	125 U	122 U	118 U	130 U	121 U
Di-n-butylphthalate	84-74-2	NC	110 U	125 U	122 U	118 U	130 U	121 U
Di-n-octylphthalate	117-84-0	NC	110 U	125 U	122 U	118 U	130 U	121 U
Fluoranthene	206-44-0	100,000	55 U	152	60.9 U	58.9 U	65.2 U	60.5 U
Fluorene	86-73-7	30,000	55 U	165	60.9 U	58.9 U	65.1 J	60.5 U
Hexachlorobenzene	118-74-1	330	110 U	125 U	122 U	118 U	130 U	121 U
Hexachlorobutadiene	87-68-3	NC	110 U	125 U	122 U	118 U	130 U	121 U
Hexachlorocyclopentadiene	77-47-4	NC	220 UJ	250 U	244 UJ	235 UJ	261 UJ	242 UJ
Hexachloroethane	67-72-1	NC	110 U	125 U	122 U	118 U	130 U	121 U
Indeno[1,2,3-cd]pyrene	193-39-5	500	55 U	43.5 J	60.9 U	58.9 U	65.2 U	60.5 U
Isophorone	78-59-1	NC	110 U	125 U	122 U	118 U	130 U	121 U
m-Cresol & p-Cresol	MEPH1314	330**	220 U	250 U	244 U	235 U	43.2 J	242 U
Naphthalene	91-20-3	12,000	55 U	62.5 U	60.9 U	58.9 U	65.2 U	60.5 U
Nitrobenzene	98-95-3	NC	110 U	125 U	122 U	118 U	130 U	121 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	110 U	125 U	122 U	118 U	130 U	121 U
N-Nitrosodiphenylamine	86-30-6	NC	110 U	125 U	122 U	118 U	130 U	121 U
Pentachlorophenol	87-86-5	800	220 U	250 U	244 U	235 U	261 R	242 U
Phenanthrene	85-01-8	100,000	55 U	326	60.9 U	58.9 U	65.2 U	60.5 U
Phenol	108-95-2	330	220 U	250 U	244 U	235 U	261 R	242 U
Pyrene	129-00-0	100,000	55 U	117	60.9 U	58.9 U	65.2 U	60.5 U
Pyridine	110-86-1	NC	220 U	250 U	244 U	235 U	261 U	242 U
Total SVOC TICs	NA	NC	NT	53,440	542	586	11,126	NT

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.

**- action level for Cresol applies to individual isomers.
[BB] = Sample locations where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 9B - Subsurface Soil Results Compared to Unrestricted SCOs
SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SB-TP-139[BB]	SB-TP-144	SB-TP-147	TP-101	TP-102	TP-103
		Sample ID	SB-TP-139-12-14-030716	SB-TP-144-4-6-030916	SB-TP-147-16-18-031016	TP-101-2-4-012116	TP-102-1-3-012216	DUP-008-012116
		Sample Date	3/7/2016	3/9/2016	3/10/2016	1/21/2016	1/22/2016	1/21/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	2129473	2130254	2130254	2120575	2120575	2120575
		Start Depth	12	4	16	2	1	0
		End Depth	14	6	18	4	3	2
Chemical Name	**CAS #**	**NY Part 375 Unrestricted SCO[1]**						
SVOCs								
1,1'-Biphenyl	92-52-4	NC	113 U	107 U	102 U	106 U	71.8 J	43.5 J
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	113 U	107 U	102 U	106 U	143 U	123 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	226 U	214 U	205 U	212 U	285 U	246 U
2,4,5-Trichlorophenol	95-95-4	NC	226 U	214 U	205 U	212 U	285 U	246 U
2,4,6-Trichlorophenol	88-06-2	NC	226 U	214 U	205 U	212 U	285 U	246 U
2,4-Dichlorophenol	120-83-2	NC	226 U	214 U	205 U	212 U	285 U	246 U
2,4-Dimethylphenol	105-67-9	NC	226 U	214 U	205 U	212 U	285 U	246 U
2,4-Dinitrophenol	51-28-5	NC	396 U	374 U	358 U	371 U	499 U	431 U
2,4-Dinitrotoluene	121-14-2	NC	113 U	107 U	102 U	106 U	143 U	123 U
2,6-Dinitrotoluene	606-20-2	NC	113 U	107 U	102 U	106 U	143 U	123 U
2-Chloronaphthalene	91-58-7	NC	113 U	107 U	102 U	106 U	143 U	123 U
2-Chlorophenol	95-57-8	NC	226 U	214 U	205 U	212 U	285 U	246 U
2-Methylnaphthalene	91-57-6	NC	113 U	107 U	102 U	13.2 J	266	239 J
2-Methylphenol	95-48-7	330	226 U	214 U	205 U	212 U	285 U	246 U
2-Nitroaniline	88-74-4	NC	226 U	214 U	205 U	212 U	285 U	246 U
2-Nitrophenol	88-75-5	NC	226 U	214 U	205 U	212 U	285 U	246 U
3,3-Dichlorobenzidine	91-94-1	NC	226 U	214 U	205 U	212 U	285 U	246 U
3-Nitroaniline	99-09-2	NC	226 U	214 U	205 U	212 U	285 U	246 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	226 U	214 U	205 U	212 U	285 U	246 U
4-Bromophenyl-phenylether	101-55-3	NC	113 U	107 U	102 U	106 U	143 U	123 U
4-Chloro-3-methylphenol	59-50-7	NC	226 U	214 U	205 U	212 U	285 U	246 U
4-Chloroaniline	106-47-8	NC	226 U	214 U	205 U	212 U	285 U	246 U
4-Chlorophenyl-phenylether	7005-72-3	NC	113 U	107 U	102 U	106 U	143 U	123 U
4-Nitroaniline	100-01-6	NC	226 U	214 U	205 U	212 U	285 U	246 U
4-Nitrophenol	100-02-7	NC	226 U	214 U	205 U	212 U	285 U	246 U
Acenaphthene	83-32-9	20,000	56.6 U	53.4 U	51.2 U	53 U	71.3 U	122 J
Acenaphthylene	208-96-8	100,000	56.6 U	53.4 U	51.2 U	53 U	71.3 U	245 J
Acetophenone	98-86-2	NC	113 U	107 J	102 U	106 U	63.8 J	59.6 J
Anthracene	120-12-7	100,000	56.6 U	53.4 U	51.2 U	53 U	106	497 J
Atrazine	1912-24-9	NC	113 U	107 U	102 U	106 U	143 U	123 U
Benzaldehyde	100-52-7	NC	226 U	214 U	205 U	212 U	285 U	52.3 J
Benzidine	92-87-5	NC	226 U	214 U	205 U	212 U	285 U	246 U
Benzo[a]anthracene	56-55-3	1,000	56.6 U	44 J	51.2 U	93.6	490	940 J
Benzo[a]pyrene	50-32-8	1,000	56.6 U	36.4 J	51.2 U	114	333	801 J
Benzo[b]fluoranthene	205-99-2	1,000	56.6 U	50.8 J	51.2 U	158	377	998 J
Benzo[g,h,i]perylene	191-24-2	100,000	56.6 U	22.7 J	51.2 U	102	483	413 J
Benzo[k]fluoranthene	207-08-9	800	56.6 U	53.4 U	51.2 U	57.3	71.3 U	382 J
Bis(2-Chloroethoxy)methane	111-91-1	NC	113 U	107 U	102 U	106 U	143 U	123 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	113 U	107 U	102 U	106 U	143 U	123 U
Bis(2-Chloroisopropyl)ether	108-60-1	NC	113 U	107 UJ	102 UJ	106 U	143 U	123 U
Bis(2-Ethylhexyl)phthalate	117-81-7	NC	283 U	267 U	256 U	265 U	356 U	308 U
Butylbenzylphthalate	85-68-7	NC	113 U	107 U	102 U	106 U	143 U	123 U
Caprolactam	105-60-2	NC	226 U	214 U	205 U	212 U	285 U	246 U
Carbazole	86-74-8	NC	113 U	107 U	102 U	106 U	143 U	167
Chrysene	218-01-9	1,000	56.6 U	37.7 J	51.2 U	100	998	927 J
Dibenzo[a,h]Anthracene	53-70-3	330	56.6 U	53.4 U	51.2 U	28.4 J	366	115 J
Dibenzofuran	132-64-9	7,000	113 U	107 U	102 U	106 U	66.2 J	204
Diethylphthalate	84-66-2	NC	113 U	107 U	102 U	106 U	143 U	123 U
Dimethylphthalate	131-11-3	NC	113 U	107 U	102 U	106 U	143 U	123 U
Di-n-butylphthalate	84-74-2	NC	113 U	107 U	102 U	106 U	143 U	123 U
Di-n-octylphthalate	117-84-0	NC	113 U	107 UJ	102 UJ	106 U	143 U	123 U
Fluoranthene	206-44-0	100,000	56.6 U	85.2	51.2 U	145	141	2120 J
Fluorene	86-73-7	30,000	56.6 U	53.4 U	51.2 U	53 U	71.3 U	212 J
Hexachlorobenzene	118-74-1	330	113 U	107 U	102 U	106 U	143 U	123 U
Hexachlorobutadiene	87-68-3	NC	113 U	107 U	102 U	106 U	143 U	123 U
Hexachlorocyclopentadiene	77-47-4	NC	226 UJ	214 UJ	205 UJ	212 U	285 U	246 U
Hexachloroethane	67-72-1	NC	113 U	107 U	102 U	106 U	143 U	123 U
Indeno[1,2,3-cd]pyrene	193-39-5	500	56.6 U	25.8 J	51.2 U	95.3	141	451 J
Isophorone	78-59-1	NC	113 U	107 U	102 U	106 U	143 U	123 U
m-Cresol & p-Cresol	MEPH1314	330**	226 U	214 U	205 U	212 U	285 U	43.4 J
Naphthalene	91-20-3	12,000	56.6 U	53.4 U	51.2 U	53 U	121	258 J
Nitrobenzene	98-95-3	NC	113 U	107 U	102 U	106 U	143 U	123 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	113 U	107 U	102 U	106 U	143 U	123 U
N-Nitrosodiphenylamine	86-30-6	NC	113 U	107 U	102 U	106 U	143 U	123 U
Pentachlorophenol	87-86-5	800	226 U	214 U	205 U	212 U	285 U	246 U
Phenanthrene	85-01-8	100,000	56.6 U	53.4 U	51.2 U	68.6	698	1,860 J
Phenol	108-95-2	330	226 U	214 U	205 U	212 U	285 U	246 U
Pyrene	129-00-0	100,000	56.6 U	63.6	51.2 U	138	135	1,610 J
Pyridine	110-86-1	NC	226 U	214 U	205 U	212 U	285 U	246 U
Total SVOC TICs	NA	NC	10,519	NT	NT	292	128,470	4,539

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.

**- action level for Cresol applies to individual isomers.
[BB] = Sample locations where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 9B - Subsurface Soil Results Compared to Unrestricted SCOs
SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	TP-103	TP-104	TP-105	TP-106	TP-107	TP-108
		Sample ID	TP-103-0-2-012116	TP-104-0-2-012216	TP-105-4.5-6.5-012216	TP-106-1.5-4-012216	TP-107-0-2-012216	TP-108-0-1.5-012516
		Sample Date	1/21/2016	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/25/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	2120575	2120575	2120575	2120575	2120575	2121863
		Start Depth	0	0	4.5	1.5	0	0
		End Depth	2	2	6.5	4	2	1.5
Chemical Name	**CAS #**	**NY Part 375 Unrestricted SCO[1]**						
SVOCs								
1,1'-Biphenyl	92-52-4	NC	109 U	120 U	157	125 J	128 U	125
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	109 U	120 U	130 U	140 U	128 U	119 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	217 U	241 U	259 U	280 U	256 U	239 U
2,4,5-Trichlorophenol	95-95-4	NC	217 U	241 U	259 U	280 U	256 U	239 U
2,4,6-Trichlorophenol	88-06-2	NC	217 U	241 U	259 U	280 U	256 U	239 U
2,4-Dichlorophenol	120-83-2	NC	217 U	241 U	259 U	280 U	256 U	239 U
2,4-Dimethylphenol	105-67-9	NC	217 U	241 U	259 U	280 U	256 U	239 U
2,4-Dinitrophenol	51-28-5	NC	381 U	421 U	454 U	490 U	448 U	418 U
2,4-Dinitrotoluene	121-14-2	NC	109 U	120 U	130 U	140 U	128 U	119 U
2,6-Dinitrotoluene	606-20-2	NC	109 U	120 U	130 U	140 U	128 U	119 U
2-Chloronaphthalene	91-58-7	NC	109 U	120 U	130 U	140 U	128 U	119 U
2-Chlorophenol	95-57-8	NC	217 U	241 U	259 U	280 U	256 U	239 U
2-Methylnaphthalene	91-57-6	NC	109 J	27.4 J	1,250	221	147	788
2-Methylphenol	95-48-7	330	217 U	241 U	259 U	280 U	256 U	239 U
2-Nitroaniline	88-74-4	NC	217 U	241 U	259 U	280 U	256 U	239 U
2-Nitrophenol	88-75-5	NC	217 U	241 U	259 U	280 U	256 U	239 U
3,3-Dichlorobenzidine	91-94-1	NC	217 U	241 U	259 U	280 U	256 U	239 U
3-Nitroaniline	99-09-2	NC	217 U	241 U	259 U	280 U	256 U	239 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	217 U	241 U	259 U	280 U	256 U	239 U
4-Bromophenyl-phenylether	101-55-3	NC	109 U	120 U	130 U	140 U	128 U	119 U
4-Chloro-3-methylphenol	59-50-7	NC	217 U	241 U	259 U	280 U	256 U	239 U
4-Chloroaniline	106-47-8	NC	217 U	241 U	259 U	280 U	256 U	239 U
4-Chlorophenyl-phenylether	7005-72-3	NC	109 U	120 U	130 U	140 U	128 U	119 U
4-Nitroaniline	100-01-6	NC	217 U	241 U	259 U	280 U	256 U	239 U
4-Nitrophenol	100-02-7	NC	217 U	241 U	259 U	280 U	256 U	239 U
Acenaphthene	83-32-9	20,000	54.4 UJ	124	64.9 U	70 U	47.5 J	2,070
Acenaphthylene	208-96-8	100,000	54.4 UJ	76.5	384	70 U	59.2 J	59.7 U
Acetophenone	98-86-2	NC	109 U	120 U	164	68.8 J	128 U	295
Anthracene	120-12-7	100,000	54.4 UJ	429	510	74.4	151	2,970
Atrazine	1912-24-9	NC	109 U	120 U	130 U	140 U	128 U	119 U
Benzaldehyde	100-52-7	NC	217 U	241 U	185 J	280 U	256 U	239 U
Benzidine	92-87-5	NC	217 U	241 U	259 U	280 U	256 U	239 U
Benzo[a]anthracene	56-55-3	1,000	70.9 J	1,340	1,880	478	420	17,100
Benzo[a]pyrene	50-32-8	1,000	83.8 J	1,300	1,830	213	417	21,500
Benzo[b]fluoranthene	205-99-2	1,000	108 J	1,620	2,260	420	634	26,200
Benzo[g,h,i]perylene	191-24-2	100,000	74.1 J	773	1,250	537	430	13,000
Benzo[k]fluoranthene	207-08-9	800	44.4 J	641	832	70 U	219	8,660
Bis(2-Chloroethoxy)methane	111-91-1	NC	109 U	120 U	130 U	140 U	128 U	119 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	109 U	120 U	130 U	140 U	128 U	119 U
Bis(2-Chloroisopropyl)ether	108-60-1	NC	109 U	120 U	130 U	140 U	128 U	119 U
Bis(2-Ethylhexyl)phthalate	117-81-7	NC	272 U	301 U	324 U	350 U	320 U	298 U
Butylbenzylphthalate	85-68-7	NC	109 U	120 U	130 U	140 U	479	119 U
Caprolactam	105-60-2	NC	217 U	241 U	259 U	280 U	256 U	239 U
Carbazole	86-74-8	NC	109 U	133	127 J	140 U	69.3 J	2,340
Chrysene	218-01-9	1,000	70.3 J	1,400	2,150	1,280	765	19,300
Dibenzo[a,h]Anthracene	53-70-3	330	54.4 UJ	200	329	513	159	3,170
Dibenzofuran	132-64-9	7,000	109 U	65.1 J	530	82.9 J	78.1 J	721
Diethylphthalate	84-66-2	NC	109 U	120 U	130 U	140 U	128 U	119 U
Dimethylphthalate	131-11-3	NC	109 U	120 U	130 U	140 U	128 U	119 U
Di-n-butylphthalate	84-74-2	NC	109 U	120 U	130 U	140 U	128 U	119 U
Di-n-octylphthalate	117-84-0	NC	109 U	120 U	130 U	140 U	128 U	119 U
Fluoranthene	206-44-0	100,000	121 UJ	3,240	3,620	70 U	776	30,000
Fluorene	86-73-7	30,000	54.4 J	133	138	70 U	61.9 J	944
Hexachlorobenzene	118-74-1	330	109 U	120 U	130 U	140 U	128 U	119 U
Hexachlorobutadiene	87-68-3	NC	109 U	120 U	130 U	140 U	128 U	119 U
Hexachlorocyclopentadiene	77-47-4	NC	217 U	241 U	259 U	280 U	256 U	239 U
Hexachloroethane	67-72-1	NC	109 U	120 U	130 U	140 U	128 U	119 U
Indeno[1,2,3-cd]pyrene	193-39-5	500	70.9 UJ	843	1,230	179	350	14,700
Isophorone	78-59-1	NC	109 U	120 U	130 U	140 U	128 U	119 U
m-Cresol & p-Cresol	MEPH1314	330**	217 U	241 U	64 J	280 U	256 U	44.8 J
Naphthalene	91-20-3	12,000	54.4 J	48.2 J	939	89.4	131	1,520
Nitrobenzene	98-95-3	NC	109 U	120 U	130 U	140 U	128 U	119 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	109 U	120 U	130 U	140 U	128 U	119 U
N-Nitrosodiphenylamine	86-30-6	NC	109 U	120 U	130 U	140 U	128 U	119 U
Pentachlorophenol	87-86-5	800	217 U	241 U	259 U	280 U	256 U	239 U
Phenanthrene	85-01-8	100,000	52.3 J	1,710	2,650	626	594	13,100
Phenol	108-95-2	330	217 U	241 U	259 U	280 U	256 U	239 U
Pyrene	129-00-0	100,000	108 UJ	2,480	3,080	98.7	628	25,500
Pyridine	110-86-1	NC	217 U	241 U	259 U	280 U	256 U	239 U
Total SVOC TICs	NA	NC	NT	4827	21,426	126,110	NT	64,851

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.

**- action level for Cresol applies to individual isomers.
[BB] = Sample locations where "bone black" or "activated carbon" type material was analyzed.
(shaded) Exceeds Unrestricted SCO listed in Part 375.

Table 9B - Subsurface Soil Results Compared to Unrestricted SCOs
SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	TP-109[BB]	TP-110	TP-111	TP-112	TP-113	TP-114
		Sample ID	TP-109-4-4.5-012516	TP-110-1.5-2-012516	SB-TP-111-0-0.6-082117	TP-112-3.5-4-012516	TP-113-1.5-2-012516	TP-114-4-5-012616
		Sample Date	1/25/2016	1/25/2016	8/21/2017	1/25/2016	1/25/2016	1/26/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	2121863	2121863	2258101	2121863	2121863	2121863
		Start Depth	4	1.5	0	3.5	1.5	4
		End Depth	4.5	2	0.6	4	2	5
Chemical Name	**CAS #**	**NY Part 375 Unrestricted SCO[1]**						
SVOCs								
1,1'-Biphenyl	92-52-4	NC	33.2 J	141 U	111 U	119 U	104 U	147 U
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	142 U	141 U	111 U	119 U	104 U	147 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	284 U	282 U	223 U	239 U	208 U	294 U
2,4,5-Trichlorophenol	95-95-4	NC	284 U	282 U	223 U	239 U	208 U	294 U
2,4,6-Trichlorophenol	88-06-2	NC	284 U	282 U	223 U	239 U	208 U	294 U
2,4-Dichlorophenol	120-83-2	NC	284 U	282 U	223 U	239 U	208 U	294 U
2,4-Dimethylphenol	105-67-9	NC	284 U	282 U	223 U	239 U	208 U	294 U
2,4-Dinitrophenol	51-28-5	NC	497 UJ	493 U	223 U	418 U	363 U	515 U
2,4-Dinitrotoluene	121-14-2	NC	142 U	141 U	111 U	119 U	104 U	147 U
2,6-Dinitrotoluene	606-20-2	NC	142 U	141 U	111 U	119 U	104 U	147 U
2-Chloronaphthalene	91-58-7	NC	142 U	141 U	111 U	119 U	104 U	147 U
2-Chlorophenol	95-57-8	NC	284 U	282 U	223 U	239 U	208 U	294 U
2-Methylnaphthalene	91-57-6	NC	104 J	141 U	111 U	21.6 J	104 U	147 U
2-Methylphenol	95-48-7	330	284 U	282 U	223 U	239 U	208 U	294 U
2-Nitroaniline	88-74-4	NC	284 U	282 U	223 U	239 U	208 U	294 U
2-Nitrophenol	88-75-5	NC	284 U	282 U	223 U	239 U	208 U	294 U
3,3-Dichlorobenzidine	91-94-1	NC	284 U	282 U	223 U	239 U	208 U	294 U
3-Nitroaniline	99-09-2	NC	284 U	282 U	223 U	239 U	208 U	294 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	284 UJ	282 U	223 U	239 U	208 U	294 U
4-Bromophenyl-phenylether	101-55-3	NC	142 U	141 U	111 U	119 U	104 U	147 U
4-Chloro-3-methylphenol	59-50-7	NC	284 U	282 U	223 U	239 U	208 U	294 U
4-Chloroaniline	106-47-8	NC	284 U	282 U	223 U	239 U	208 U	294 U
4-Chlorophenyl-phenylether	7005-72-3	NC	142 U	141 U	111 U	119 U	104 U	147 U
4-Nitroaniline	100-01-6	NC	284 U	282 U	223 U	239 U	208 U	294 U
4-Nitrophenol	100-02-7	NC	284 U	282 U	223 U	239 U	208 U	294 U
Acenaphthene	83-32-9	20,000	234	59.9 J	55.7 U	59.7 U	51.9 U	73.6 U
Acenaphthylene	208-96-8	100,000	396	164	325	59.7 U	51.9 U	73.6 U
Acetophenone	98-86-2	NC	42.1 J	141 U	111 U	119 U	104 U	147 U
Anthracene	120-12-7	100,000	1,080 J	526	106	59.7 U	51.9 U	73.6 U
Atrazine	1912-24-9	NC	142 U	141 U	111 U	119 U	104 U	147 U
Benzaldehyde	100-52-7	NC	284 U	32.8 J	223 U	239 U	208 U	294 U
Benzidine	92-87-5	NC	284 U	282 U	223 U	239 U	208 U	294 U
Benzo[a]anthracene	56-55-3	1,000	4230 J	4,960	238	36.4 J	51.9 U	73.6 U
Benzo[a]pyrene	50-32-8	1,000	3980 J	9,750	603	59.7 U	51.9 U	73.6 U
Benzo[b]fluoranthene	205-99-2	1,000	5200 J	10,600	618	59.7 U	51.9 U	73.6 U
Benzo[g,h,i]perylene	191-24-2	100,000	2610 J	9,330	518	59.7 U	51.9 U	73.6 U
Benzo[k]fluoranthene	207-08-9	800	2020 J	3,930	220	59.7 U	51.9 U	73.6 U
Bis(2-Chloroethoxy)methane	111-91-1	NC	142 U	141 U	111 U	119 U	104 U	147 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	142 U	141 U	111 U	119 U	104 U	147 U
Bis(2-Chloroisopropyl)ether	108-60-1	NC	142 U	141 U	111 U	119 U	104 U	147 U
Bis(2-Ethylhexyl)phthalate	117-81-7	NC	355 U	352 U	42.2 J	299 U	260 U	368 U
Butylbenzylphthalate	85-68-7	NC	142 U	141 U	111 U	119 U	104 U	147 U
Caprolactam	105-60-2	NC	284 U	282 U	223 U	239 U	208 U	294 U
Carbazole	86-74-8	NC	485	295	42.3 J	119 U	104 U	147 U
Chrysene	218-01-9	1,000	4,620 J	5,680	226	43.2 J	51.9 U	73.6 U
Dibenzo[a,h]Anthracene	53-70-3	330	804	2,120	122	59.7 U	51.9 U	73.6 U
Dibenzofuran	132-64-9	7,000	251	54.7 J	111 U	119 U	104 U	147 U
Diethylphthalate	84-66-2	NC	142 U	141 U	111 U	119 U	104 U	147 U
Dimethylphthalate	131-11-3	NC	142 U	141 U	111 U	119 U	104 U	147 U
Di-n-butylphthalate	84-74-2	NC	142 U	141 U	111 U	119 U	104 U	147 U
Di-n-octylphthalate	117-84-0	NC	142 U	141 U	111 U	119 U	104 U	147 U
Fluoranthene	206-44-0	100,000	8,700 J	5,300	312	32.6 J	51.9 U	73.6 U
Fluorene	86-73-7	30,000	357	77.3	55.7 U	59.7 U	51.9 U	73.6 U
Hexachlorobenzene	118-74-1	330	142 U	141 U	111 U	119 U	104 U	147 U
Hexachlorobutadiene	87-68-3	NC	142 U	141 U	111 U	119 U	104 U	147 U
Hexachlorocyclopentadiene	77-47-4	NC	284 U	282 U	223 U	239 U	208 U	294 U
Hexachloroethane	67-72-1	NC	142 U	141 U	111 U	119 U	104 U	147 U
Indeno[1,2,3-cd]pyrene	193-39-5	500	2,790 J	9,870	566	59.7 U	51.9 U	73.6 U
Isophorone	78-59-1	NC	142 U	141 U	111 U	119 U	104 U	147 U
m-Cresol & p-Cresol	MEPH1314	330**	284 U	282 U	223 U	239 U	208 U	294 U
Naphthalene	91-20-3	12,000	160	32.7 J	23.2 J	59.7 U	51.9 U	73.6 U
Nitrobenzene	98-95-3	NC	142 U	141 U	111 U	119 U	104 U	147 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	142 U	141 U	111 U	119 U	104 U	147 U
N-Nitrosodiphenylamine	86-30-6	NC	142 U	141 U	111 U	119 U	104 U	147 U
Pentachlorophenol	87-86-5	800	284 U	282 U	223 U	239 U	208 U	294 U
Phenanthrene	85-01-8	100,000	5,200 J	1,780	118	61.2	51.9 U	73.6 U
Phenol	108-95-2	330	284 U	282 U	223 U	239 U	208 U	294 U
Pyrene	129-00-0	100,000	7,430 J	5,380	296	43.6 J	51.9 U	73.6 U
Pyridine	110-86-1	NC	284 U	282 U	223 U	239 U	208 U	294 U
Total SVOC TICs	NA	NC	14,232	23,350	NT	NT	NT	NT

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.

**- action level for Cresol applies to individual isomers.
[BB] = Sample locations where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 9B - Subsurface Soil Results Compared to Unrestricted SCOs
SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	TP-115	TP-117	TP-118	TP-119	TP-120	TP-120
		Sample ID	TP-115-4-5-012616	TP-117-1.5-2-011516	TP-118-3.5-4-011516	TP-119-5-6-012616	DUP-009-012616	TP-120-4-4.5-012616
		Sample Date	1/26/2016	1/15/2016	1/15/2016	1/26/2016	1/26/2016	1/26/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	2121863	2120575	2120575	2121863	2121863	2121863
		Start Depth	4	1.5	3.5	5	4	4
		End Depth	5	2	4	6	4.5	4.5
Chemical Name	**CAS #**	**NY Part 375 Unrestricted SCO[1]**						
SVOCs								
1,1'-Biphenyl	92-52-4	NC	137 U	449	142 U	136 U	120 U	119 U
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	137 U	126 U	142 U	136 U	120 U	119 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	274 U	251 U	283 U	273 U	241 U	237 U
2,4,5-Trichlorophenol	95-95-4	NC	274 U	251 U	283 U	273 U	241 U	237 U
2,4,6-Trichlorophenol	88-06-2	NC	274 U	251 U	283 U	273 U	241 U	237 U
2,4-Dichlorophenol	120-83-2	NC	274 U	251 R	283 U	273 U	241 U	237 U
2,4-Dimethylphenol	105-67-9	NC	274 U	251 U	283 U	273 U	241 U	237 U
2,4-Dinitrophenol	51-28-5	NC	480 U	440 U	495 U	478 U	421 U	416 U
2,4-Dinitrotoluene	121-14-2	NC	137 U	126 U	142 U	136 U	120 U	119 U
2,6-Dinitrotoluene	606-20-2	NC	137 U	126 U	142 U	136 U	120 U	119 U
2-Chloronaphthalene	91-58-7	NC	137 U	126 U	142 U	136 U	120 U	119 U
2-Chlorophenol	95-57-8	NC	274 U	251 U	283 U	273 U	241 U	237 U
2-Methylnaphthalene	91-57-6	NC	25.8 J	2,220	62.4 J	68.7 J	20 J	16.5 J
2-Methylphenol	95-48-7	330	274 U	251 U	283 U	273 U	241 U	237 U
2-Nitroaniline	88-74-4	NC	274 U	251 U	283 U	273 U	241 U	237 U
2-Nitrophenol	88-75-5	NC	274 U	251 U	283 U	273 U	241 U	237 U
3,3-Dichlorobenzidine	91-94-1	NC	274 U	251 U	283 U	273 U	241 U	237 U
3-Nitroaniline	99-09-2	NC	274 U	251 U	283 U	273 U	241 U	237 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	274 U	251 UJ	283 U	273 U	241 U	237 U
4-Bromophenyl-phenylether	101-55-3	NC	137 U	126 U	142 U	136 U	120 U	119 U
4-Chloro-3-methylphenol	59-50-7	NC	274 U	251 U	283 U	273 U	241 U	237 U
4-Chloroaniline	106-47-8	NC	274 U	251 U	283 U	273 U	241 U	237 U
4-Chlorophenyl-phenylether	7005-72-3	NC	137 U	126 U	142 U	136 U	120 U	119 U
4-Nitroaniline	100-01-6	NC	274 U	251 U	283 U	273 U	241 U	237 U
4-Nitrophenol	100-02-7	NC	274 U	251 U	283 U	273 U	241 U	237 U
Acenaphthene	83-32-9	20,000	26 J	5590 J	70.8 U	68.2 U	60.2 U	59.4 U
Acenaphthylene	208-96-8	100,000	68.5 U	9,410	41.1 J	68.2 U	60.2 U	59.4 U
Acetophenone	98-86-2	NC	37.4 J	134	40.3 J	136 U	52.6 J	119 U
Anthracene	120-12-7	100,000	61.7 J	28,700	77.2	35.7 J	60.2 U	59.4 U
Atrazine	1912-24-9	NC	137 U	126 U	142 U	136 U	120 U	119 U
Benzaldehyde	100-52-7	NC	274 U	93.4 J	41.8 J	273 U	241 U	237 U
Benzidine	92-87-5	NC	274 U	251 UJ	283 U	273 U	241 U	237 U
Benzo[a]anthracene	56-55-3	1,000	204	112,000	195	108	27 J	30.2 J
Benzo[a]pyrene	50-32-8	1,000	211	106,000	223	96	60.2 U	31.9 J
Benzo[b]fluoranthene	205-99-2	1,000	258	148,000	267	114	43.8 J	51.3 J
Benzo[g,h,i]perylene	191-24-2	100,000	113	66,900	167	84.7	60.2 U	27.7 J
Benzo[k]fluoranthene	207-08-9	800	116	52,700	101	68.2 U	60.2 U	59.4 U
Bis(2-Chloroethoxy)methane	111-91-1	NC	137 U	126 U	142 U	136 U	120 U	119 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	137 U	126 U	142 U	136 U	120 U	119 U
Bis(2-Chloroisopropyl)ether	108-60-1	NC	137 U	126 U	142 U	136 U	120 U	119 U
Bis(2-Ethylhexyl)phthalate	117-81-7	NC	343 U	314 U	354 U	341 U	301 U	297 U
Butylbenzylphthalate	85-68-7	NC	137 U	126 UJ	142 U	136 U	120 U	119 U
Caprolactam	105-60-2	NC	274 U	251 U	283 U	273 U	241 U	237 U
Carbazole	86-74-8	NC	36.3 J	9,710	32.2 J	136 U	120 U	119 U
Chrysene	218-01-9	1,000	243	115,000	269	104	26.6 J	59.4 U
Dibenzo[a,h]Anthracene	53-70-3	330	35 J	17,300	42.9 J	68.2 U	60.2 U	59.4 U
Dibenzofuran	132-64-9	7,000	28.9 J	6420 J	33.7 J	136 U	120 U	119 U
Diethylphthalate	84-66-2	NC	137 U	126 U	142 U	136 U	120 U	119 U
Dimethylphthalate	131-11-3	NC	137 U	126 U	142 U	136 U	120 U	119 U
Di-n-butylphthalate	84-74-2	NC	137 U	126 U	142 U	136 U	120 U	119 U
Di-n-octylphthalate	117-84-0	NC	137 U	126 UJ	142 U	136 U	120 U	119 U
Fluoranthene	206-44-0	100,000	437	230,000	396	119	60.2 U	33.9 J
Fluorene	86-73-7	30,000	29.1 J	9,490	70.8 U	68.2 U	60.2 U	59.4 U
Hexachlorobenzene	118-74-1	330	137 U	126 U	142 U	136 U	120 U	119 U
Hexachlorobutadiene	87-68-3	NC	137 U	126 U	142 U	136 U	120 U	119 U
Hexachlorocyclopentadiene	77-47-4	NC	274 U	251 R	283 U	273 U	241 U	237 U
Hexachloroethane	67-72-1	NC	137 U	126 U	142 U	136 U	120 U	119 U
Indeno[1,2,3-cd]pyrene	193-39-5	500	137	73,200	151	77.8	60.2 U	32.1 J
Isophorone	78-59-1	NC	137 U	126 U	142 U	136 U	120 U	119 U
m-Cresol & p-Cresol	MEPH1314	330**	274 U	96.9 J	23.8 J	273 U	241 U	237 U
Naphthalene	91-20-3	12,000	67 J	5,040	131	43.2 J	60.2 U	59.4 U
Nitrobenzene	98-95-3	NC	137 U	126 U	142 U	136 U	120 U	119 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	137 U	126 U	142 U	136 U	120 U	119 U
N-Nitrosodiphenylamine	86-30-6	NC	137 U	126 U	142 U	136 U	120 U	119 U
Pentachlorophenol	87-86-5	800	274 U	251 UJ	283 U	273 U	241 U	237 U
Phenanthrene	85-01-8	100,000	352	121,000	357	85.2	23 J	23.5 J
Phenol	108-95-2	330	274 U	92.7 J	283 U	273 U	241 U	237 U
Pyrene	129-00-0	100,000	407	197,000	314	137	27.8 J	34.8 J
Pyridine	110-86-1	NC	274 U	251 U	283 U	273 U	241 U	237 U
Total SVOC TICs	NA	NC	NT	6,194	2,548	2,636	344	667

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.

**- action level for Cresol applies to individual isomers.
[BB] = Sample locations where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 9B - Subsurface Soil Results Compared to Unrestricted SCOs
SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	TP-121	TP-122	TP-123	TP-124	TP-125	TP-127
		Sample ID	TP-121-8-8.5-012616	TP-122-7-8-012716	TP-123-4.5-5-012616	TP-124-7.5-8-012616	TP-125-3-4-012716	TP-127-8-8.5-012716
		Sample Date	1/26/2016	1/27/2016	1/26/2016	1/26/2016	1/27/2016	1/27/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	2121863	2121863	2121863	2121863	2121863	2121863
		Start Depth	8	7	4.5	7.5	3	8
		End Depth	8.5	8	5	8	4	8.5
Chemical Name	**CAS #**	**NY Part 375 Unrestricted SCO[1]**						
SVOCs								
1,1'-Biphenyl	92-52-4	NC	121 U	116 U	117 U	127 U	125 U	171 U
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	121 U	116 U	117 U	127 U	125 U	171 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	242 U	232 U	233 U	253 U	249 U	341 U
2,4,5-Trichlorophenol	95-95-4	NC	242 U	232 U	233 U	253 U	249 U	341 U
2,4,6-Trichlorophenol	88-06-2	NC	242 U	232 U	233 U	253 U	249 U	341 U
2,4-Dichlorophenol	120-83-2	NC	242 U	232 U	233 U	253 U	249 U	341 U
2,4-Dimethylphenol	105-67-9	NC	242 U	232 U	233 U	253 U	249 U	341 U
2,4-Dinitrophenol	51-28-5	NC	424 U	406 U	408 U	443 U	436 U	597 U
2,4-Dinitrotoluene	121-14-2	NC	121 U	116 U	117 U	127 U	125 U	171 U
2,6-Dinitrotoluene	606-20-2	NC	121 U	116 U	117 U	127 U	125 U	171 U
2-Chloronaphthalene	91-58-7	NC	121 U	116 U	117 U	127 U	125 U	171 U
2-Chlorophenol	95-57-8	NC	242 U	232 U	233 U	253 U	249 U	341 U
2-Methylnaphthalene	91-57-6	NC	121 U	116 U	117 U	127 U	18.1 J	171 U
2-Methylphenol	95-48-7	330	242 U	232 U	233 U	253 U	249 U	341 U
2-Nitroaniline	88-74-4	NC	242 U	232 U	233 U	253 U	249 U	341 U
2-Nitrophenol	88-75-5	NC	242 U	232 U	233 U	253 U	249 U	341 U
3,3-Dichlorobenzidine	91-94-1	NC	242 U	232 U	233 U	253 U	249 U	341 U
3-Nitroaniline	99-09-2	NC	242 U	232 U	233 U	253 U	249 U	341 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	242 U	232 U	233 U	253 U	249 U	341 U
4-Bromophenyl-phenylether	101-55-3	NC	121 U	116 U	117 U	127 U	125 U	171 U
4-Chloro-3-methylphenol	59-50-7	NC	242 U	232 U	233 U	253 U	249 U	341 U
4-Chloroaniline	106-47-8	NC	242 U	232 U	233 U	253 U	249 U	341 U
4-Chlorophenyl-phenylether	7005-72-3	NC	121 U	116 U	117 U	127 U	125 U	171 U
4-Nitroaniline	100-01-6	NC	242 U	232 U	233 U	253 U	249 U	341 U
4-Nitrophenol	100-02-7	NC	242 U	232 U	233 U	253 U	249 U	341 U
Acenaphthene	83-32-9	20,000	60.5 U	58 U	58.3 U	63.3 U	62.3 U	85.3 U
Acenaphthylene	208-96-8	100,000	60.5 U	58 U	58.3 U	63.3 U	62.3 U	85.3 U
Acetophenone	98-86-2	NC	121 U	116 U	117 U	127 U	125 U	772
Anthracene	120-12-7	100,000	60.5 U	58 U	58.3 U	63.3 U	62.3 U	85.3 U
Atrazine	1912-24-9	NC	121 U	116 U	117 U	127 U	125 U	171 U
Benzaldehyde	100-52-7	NC	242 U	232 U	233 U	253 U	249 U	341 U
Benzidine	92-87-5	NC	242 U	232 U	233 U	253 U	249 U	341 U
Benzo[a]anthracene	56-55-3	1,000	60.5 U	58 U	58.3 U	43.9 J	62.3 U	72.7 J
Benzo[a]pyrene	50-32-8	1,000	60.5 U	58 U	58.3 U	35.6 J	62.3 U	59.7 J
Benzo[b]fluoranthene	205-99-2	1,000	60.5 U	58 U	58.3 U	37.5 J	62.3 U	84.9 J
Benzo[g,h,i]perylene	191-24-2	100,000	60.5 U	58 U	58.3 U	63.3 U	62.3 U	58.2 J
Benzo[k]fluoranthene	207-08-9	800	60.5 U	58 U	58.3 U	63.3 U	62.3 U	85.3 U
Bis(2-Chloroethoxy)methane	111-91-1	NC	121 U	116 U	117 U	127 U	125 U	171 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	121 U	116 U	117 U	127 U	125 U	171 U
Bis(2-Chloroisopropyl)ether	108-60-1	NC	121 U	116 U	117 U	127 U	125 U	171 U
Bis(2-Ethylhexyl)phthalate	117-81-7	NC	303 U	290 U	291 U	316 U	312 U	427 U
Butylbenzylphthalate	85-68-7	NC	121 U	116 U	117 U	127 U	125 U	171 U
Caprolactam	105-60-2	NC	242 U	232 U	233 U	253 U	249 U	341 U
Carbazole	86-74-8	NC	121 U	116 U	117 U	127 U	125 U	171 U
Chrysene	218-01-9	1,000	60.5 U	58 U	58.3 U	55.1 J	62.3 U	211
Dibenzo[a,h]Anthracene	53-70-3	330	60.5 U	58 U	58.3 U	63.3 U	62.3 U	85.3 U
Dibenzofuran	132-64-9	7,000	121 U	116 U	117 U	127 U	125 U	84.9 J
Diethylphthalate	84-66-2	NC	121 U	116 U	117 U	127 U	125 U	171 U
Dimethylphthalate	131-11-3	NC	121 U	116 U	117 U	127 U	125 U	171 U
Di-n-butylphthalate	84-74-2	NC	121 U	116 U	117 U	127 U	125 U	171 U
Di-n-octylphthalate	117-84-0	NC	121 U	116 U	117 U	127 U	125 U	171 U
Fluoranthene	206-44-0	100,000	60.5 U	58 U	58.3 U	71	62.3 U	151
Fluorene	86-73-7	30,000	60.5 U	58 U	58.3 U	63.3 U	62.3 U	85.3 U
Hexachlorobenzene	118-74-1	330	121 U	116 U	117 U	127 U	125 U	171 U
Hexachlorobutadiene	87-68-3	NC	121 U	116 U	117 U	127 U	125 U	171 U
Hexachlorocyclopentadiene	77-47-4	NC	242 U	232 U	233 U	253 U	249 U	341 U
Hexachloroethane	67-72-1	NC	121 U	116 U	117 U	127 U	125 U	171 U
Indeno[1,2,3-cd]pyrene	193-39-5	500	60.5 U	58 U	58.3 U	63.3 U	62.3 U	55 J
Isophorone	78-59-1	NC	121 U	116 U	117 U	127 U	125 U	171 U
m-Cresol & p-Cresol	MEPH1314	330**	242 U	232 U	233 U	253 U	249 U	341 U
Naphthalene	91-20-3	12,000	60.5 U	58 U	58.3 U	63.3 U	62.3 U	41.9 J
Nitrobenzene	98-95-3	NC	121 U	116 U	117 U	127 U	125 U	171 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	121 U	116 U	117 U	127 U	125 U	171 U
N-Nitrosodiphenylamine	86-30-6	NC	121 U	116 U	117 U	127 U	125 U	171 U
Pentachlorophenol	87-86-5	800	242 U	232 U	233 U	253 U	249 U	341 U
Phenanthrene	85-01-8	100,000	60.5 U	58 U	58.3 U	97.8	33.4 J	71.5 J
Phenol	108-95-2	330	242 U	232 U	233 U	253 U	249 U	341 U
Pyrene	129-00-0	100,000	60.5 U	58 U	58.3 U	66.2	62.3 U	121
Pyridine	110-86-1	NC	242 U	232 U	233 U	253 U	249 U	341 U
Total SVOC TICs	NA	NC	1,407	NT	4,945	30,531	NT	88,260

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.

**- action level for Cresol applies to individual isomers.
[BB] = Sample locations where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 9B - Subsurface Soil Results Compared to Unrestricted SCOs
SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	TP-128	TP-129	TP-132	TP-133	TP-134
		Sample ID	TP-128-5-6-012716	TP-129-4-4.5-012816	TP-132-3-3.5-012816	TP-133-6.5-7-012716	TP-134-5-6-012816
		Sample Date	1/27/2016	1/28/2016	1/28/2016	1/27/2016	1/28/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	2121863	2121862	2121862	2121863	2121862
		Start Depth	5	4	3	6.5	5
		End Depth	6	4.5	3.5	7	6
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]					
SVOCs							
1,1'-Biphenyl	92-52-4	NC	196 U	135 U	41.3 J	116 U	128 U
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	196 U	135 U	136 U	116 U	128 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	392 U	269 U	271 U	232 U	255 U
2,4,5-Trichlorophenol	95-95-4	NC	392 U	269 U	271 U	232 U	255 U
2,4,6-Trichlorophenol	88-06-2	NC	392 U	269 U	271 U	232 U	255 U
2,4-Dichlorophenol	120-83-2	NC	392 U	269 U	271 U	232 U	255 U
2,4-Dimethylphenol	105-67-9	NC	392 U	269 U	271 U	232 U	255 U
2,4-Dinitrophenol	51-28-5	NC	686 U	471 U	475 U	405 U	447 U
2,4-Dinitrotoluene	121-14-2	NC	196 U	135 U	136 U	116 U	128 U
2,6-Dinitrotoluene	606-20-2	NC	196 U	135 U	136 U	116 U	128 U
2-Chloronaphthalene	91-58-7	NC	196 U	135 U	136 U	116 U	128 U
2-Chlorophenol	95-57-8	NC	392 U	269 U	271 U	232 U	255 U
2-Methylnaphthalene	91-57-6	NC	196 U	33.9 J	248	116 U	71.7 J
2-Methylphenol	95-48-7	330	392 U	269 U	271 U	232 U	255 U
2-Nitroaniline	88-74-4	NC	392 U	269 U	271 U	232 U	255 U
2-Nitrophenol	88-75-5	NC	392 U	269 U	271 U	232 U	255 U
3,3-Dichlorobenzidine	91-94-1	NC	392 U	269 U	271 U	232 U	255 U
3-Nitroaniline	99-09-2	NC	392 U	269 U	271 U	232 U	255 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	392 U	269 U	271 U	232 U	255 U
4-Bromophenyl-phenylether	101-55-3	NC	196 U	135 U	136 U	116 U	128 U
4-Chloro-3-methylphenol	59-50-7	NC	392 U	269 U	271 U	232 U	255 U
4-Chloroaniline	106-47-8	NC	392 U	269 U	271 U	232 U	255 U
4-Chlorophenyl-phenylether	7005-72-3	NC	196 U	135 U	136 U	116 U	128 U
4-Nitroaniline	100-01-6	NC	392 U	269 U	271 U	232 U	255 U
4-Nitrophenol	100-02-7	NC	392 U	269 U	271 U	232 U	255 U
Acenaphthene	83-32-9	20,000	98.1 U	67.3 U	160	57.9 U	63.8 U
Acenaphthylene	208-96-8	100,000	98.1 U	67.3 U	76.9	57.9 U	63.8 U
Acetophenone	98-86-2	NC	196 U	121 J	76.3 J	116 U	128 U
Anthracene	120-12-7	100,000	98.1 U	67.3 U	411	57.9 U	63.8 U
Atrazine	1912-24-9	NC	196 U	135 U	136 U	116 U	128 U
Benzaldehyde	100-52-7	NC	392 U	269 U	271 U	232 U	201 J
Benzidine	92-87-5	NC	392 U	269 U	271 U	232 U	255 U
Benzo[a]anthracene	56-55-3	1,000	48.1 J	27 J	1,180	57.9 U	63.8 U
Benzo[a]pyrene	50-32-8	1,000	98.1 U	67.3 U	1,160	57.9 U	63.8 U
Benzo[b]fluoranthene	205-99-2	1,000	98.1 U	67.3 U	1,500	57.9 U	63.8 U
Benzo[g,h,i]perylene	191-24-2	100,000	98.1 U	67.3 U	730	57.9 U	63.8 U
Benzo[k]fluoranthene	207-08-9	800	98.1 U	67.3 U	610	57.9 U	63.8 U
Bis(2-Chloroethoxy)methane	111-91-1	NC	196 U	135 U	136 U	116 U	128 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	196 U	135 U	136 U	116 U	128 U
Bis(2-Chloroisopropyl)ether	108-60-1	NC	196 U	135 U	136 U	116 U	128 U
Bis(2-Ethylhexyl)phthalate	117-81-7	NC	490 U	337 U	339 U	290 U	319 U
Butylbenzylphthalate	85-68-7	NC	196 U	135 U	980	116 U	128 U
Caprolactam	105-60-2	NC	392 U	269 U	271 U	232 U	1,970
Carbazole	86-74-8	NC	196 U	135 U	182	116 U	128 U
Chrysene	218-01-9	1,000	98.1 U	67.3 U	1,250	57.9 U	63.8 U
Dibenzo[a,h]Anthracene	53-70-3	330	98.1 U	67.3 U	211	57.9 U	63.8 U
Dibenzofuran	132-64-9	7,000	196 U	135 U	151	116 U	128 U
Diethylphthalate	84-66-2	NC	196 U	135 U	136 U	116 U	128 U
Dimethylphthalate	131-11-3	NC	196 U	135 U	136 U	116 U	128 U
Di-n-butylphthalate	84-74-2	NC	196 U	135 U	136 U	116 U	128 U
Di-n-octylphthalate	117-84-0	NC	196 U	135 U	136 U	116 U	128 U
Fluoranthene	206-44-0	100,000	98.1 U	58.5 J	2,560	57.9 U	63.8 U
Fluorene	86-73-7	30,000	98.1 U	67.3 U	166	57.9 U	63.8 U
Hexachlorobenzene	118-74-1	330	196 U	135 U	136 U	116 U	128 U
Hexachlorobutadiene	87-68-3	NC	196 U	135 U	136 U	116 U	128 U
Hexachlorocyclopentadiene	77-47-4	NC	392 U	269 U	271 U	232 U	255 U
Hexachloroethane	67-72-1	NC	196 U	135 U	136 U	116 U	128 U
Indeno[1,2,3-cd]pyrene	193-39-5	500	98.1 U	67.3 U	804	57.9 U	63.8 U
Isophorone	78-59-1	NC	196 U	135 U	136 U	116 U	128 U
m-Cresol & p-Cresol	MEPH1314	330**	392 U	269 U	29.4 J	232 U	255 U
Naphthalene	91-20-3	12,000	98.1 U	22.8 J	245	57.9 U	21.9 J
Nitrobenzene	98-95-3	NC	196 U	135 U	136 U	116 U	128 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	196 U	135 U	136 U	116 U	128 U
N-Nitrosodiphenylamine	86-30-6	NC	196 U	135 U	136 U	116 U	128 U
Pentachlorophenol	87-86-5	800	392 U	269 U	271 U	232 U	255 U
Phenanthrene	85-01-8	100,000	98.1 U	90.2	1,790	57.9 U	35.9 J
Phenol	108-95-2	330	392 U	269 U	271 U	232 U	255 U
Pyrene	129-00-0	100,000	98.1 U	49.7 J	2,240	57.9 U	63.8 U
Pyridine	110-86-1	NC	392 U	269 U	271 U	232 U	255 U
Total SVOC TICs	NA	NC	82,289	34,780	4,012	322	33,700

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.

**- action level for Cresol applies to individual isomers.
[BB] = Sample locations where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 9B - Subsurface Soil Results Compared to Unrestricted SCOs
SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	TP-136	TP-137	TP-138	TP-140[BB]	TP-141
		Sample ID	TP-136-8-8.5-012916	TP-137-9.5-10-012916	TP-138-5-6-011516	TP-140-2.5-3-011416	TP-141-4-5-011416
		Sample Date	1/29/2016	1/29/2016	1/15/2016	1/14/2016	1/14/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	2121862	2121862	2120575	2119212	2119212
		Start Depth	8	9.5	5	2.5	4
		End Depth	8.5	10	6	3	5
Chemical Name	**CAS #**	**NY Part 375 Unrestricted SCO[1]**					
SVOCs							
1,1'-Biphenyl	92-52-4	NC	119 U	117 U	121 U	136 U	115 U
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	119 U	117 U	121 U	136 U	115 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	237 U	234 U	242 U	273 UJ	230 U
2,4,5-Trichlorophenol	95-95-4	NC	237 U	234 U	242 U	273 UJ	230 U
2,4,6-Trichlorophenol	88-06-2	NC	237 U	234 U	242 U	273 UJ	230 U
2,4-Dichlorophenol	120-83-2	NC	237 U	234 U	242 U	273 UJ	230 U
2,4-Dimethylphenol	105-67-9	NC	237 U	234 U	242 U	273 UJ	230 UJ
2,4-Dinitrophenol	51-28-5	NC	415 U	409 UJ	423 U	477 UJ	402 R
2,4-Dinitrotoluene	121-14-2	NC	119 U	117 U	121 U	136 U	115 U
2,6-Dinitrotoluene	606-20-2	NC	119 U	117 U	121 U	136 U	115 U
2-Chloronaphthalene	91-58-7	NC	119 U	117 U	121 U	136 U	115 U
2-Chlorophenol	95-57-8	NC	237 U	234 U	242 U	273 UJ	230 U
2-Methylnaphthalene	91-57-6	NC	119 U	117 U	121 U	55.8 J	95.3 J
2-Methylphenol	95-48-7	330	237 U	234 U	242 U	273 UJ	230 U
2-Nitroaniline	88-74-4	NC	237 U	234 U	242 U	273 U	230 U
2-Nitrophenol	88-75-5	NC	237 U	234 U	242 U	273 UJ	230 U
3,3-Dichlorobenzidine	91-94-1	NC	237 U	234 U	242 U	273 U	230 U
3-Nitroaniline	99-09-2	NC	237 U	234 U	242 U	273 U	230 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	237 U	234 UJ	242 U	273 UJ	230 UJ
4-Bromophenyl-phenylether	101-55-3	NC	119 U	117 U	121 U	136 U	115 U
4-Chloro-3-methylphenol	59-50-7	NC	237 U	234 U	242 U	273 UJ	230 U
4-Chloroaniline	106-47-8	NC	237 U	234 U	242 U	273 U	230 U
4-Chlorophenyl-phenylether	7005-72-3	NC	119 U	117 U	121 U	136 U	115 U
4-Nitroaniline	100-01-6	NC	237 U	234 U	242 U	273 U	230 U
4-Nitrophenol	100-02-7	NC	237 U	234 U	242 U	273 UJ	230 U
Acenaphthene	83-32-9	20,000	59.3 U	58.4 U	60.4 U	95.8	135
Acenaphthylene	208-96-8	100,000	59.3 U	58.4 U	60.4 U	316	53.4 J
Acetophenone	98-86-2	NC	119 U	37.9 J	52.2 J	41.9 J	115 U
Anthracene	120-12-7	100,000	59.3 U	58.4 U	60.4 U	1,470	438 J
Atrazine	1912-24-9	NC	119 U	117 U	121 U	136 UJ	115 UJ
Benzaldehyde	100-52-7	NC	237 U	234 U	242 U	123 J	230 UJ
Benzidine	92-87-5	NC	237 U	234 U	242 U	273 UJ	230 R
Benzo[a]anthracene	56-55-3	1,000	59.3 U	58.4 U	38.5 J	2,080	946 J
Benzo[a]pyrene	50-32-8	1,000	59.3 U	58.4 U	36.2 J	2,050	895 J
Benzo[b]fluoranthene	205-99-2	1,000	59.3 U	58.4 U	45.1 J	2,300	1180 J
Benzo[g,h,i]perylene	191-24-2	100,000	59.3 U	58.4 U	60.4 U	1,360	604 J
Benzo[k]fluoranthene	207-08-9	800	59.3 U	58.4 U	60.4 U	888	422 J
Bis(2-Chloroethoxy)methane	111-91-1	NC	119 U	117 U	121 U	136 U	115 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	119 U	117 U	121 U	136 U	115 U
Bis(2-Chloroisopropyl)ether	108-60-1	NC	119 U	117 U	121 U	136 U	115 U
Bis(2-Ethylhexyl)phthalate	117-81-7	NC	296 U	292 U	302 U	341 U	287 U
Butylbenzylphthalate	85-68-7	NC	119 U	117 U	121 U	136 U	115 U
Caprolactam	105-60-2	NC	237 U	234 U	242 U	273 UJ	230 UJ
Carbazole	86-74-8	NC	119 U	117 U	121 U	120 J	237 J
Chrysene	218-01-9	1,000	59.3 U	58.4 U	57.7 J	2,100	1,010 J
Dibenzo[a,h]Anthracene	53-70-3	330	59.3 U	58.4 U	60.4 U	282	155
Dibenzofuran	132-64-9	7,000	119 U	117 U	70.3 J	136 J	177 J
Diethylphthalate	84-66-2	NC	119 U	117 U	121 U	136 U	115 U
Dimethylphthalate	131-11-3	NC	119 U	117 U	121 U	136 U	115 U
Di-n-butylphthalate	84-74-2	NC	119 U	117 U	121 U	136 U	115 U
Di-n-octylphthalate	117-84-0	NC	119 U	117 U	121 U	136 U	115 U
Fluoranthene	206-44-0	100,000	59.3 U	58.4 U	99.4	6,180	2,430 J
Fluorene	86-73-7	30,000	59.3 U	58.4 U	88.2	307	211
Hexachlorobenzene	118-74-1	330	119 U	117 U	121 U	136 U	115 U
Hexachlorobutadiene	87-68-3	NC	119 U	117 U	121 U	136 U	115 U
Hexachlorocyclopentadiene	77-47-4	NC	237 U	234 U	242 U	273 U	230 U
Hexachloroethane	67-72-1	NC	119 U	117 U	121 U	136 U	115 U
Indeno[1,2,3-cd]pyrene	193-39-5	500	59.3 U	58.4 U	60.4 U	1,450	639
Isophorone	78-59-1	NC	119 U	117 U	121 U	136 U	115 U
m-Cresol & p-Cresol	MEPH1314	330**	237 U	234 U	242 U	273 UJ	230 U
Naphthalene	91-20-3	12,000	59.3 U	58.4 U	60.4 U	197	162 J
Nitrobenzene	98-95-3	NC	119 U	117 U	121 U	136 U	115 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	119 U	117 U	121 U	136 U	115 U
N-Nitrosodiphenylamine	86-30-6	NC	119 U	117 U	121 U	136 U	115 U
Pentachlorophenol	87-86-5	800	237 U	234 U	242 U	273 UJ	230 UJ
Phenanthrene	85-01-8	100,000	59.3 U	58.4 U	257	3,970	2,180 J
Phenol	108-95-2	330	237 U	234 U	242 U	273 UJ	230 U
Pyrene	129-00-0	100,000	59.3 U	58.4 U	88.7	4,900	1,920 J
Pyridine	110-86-1	NC	237 U	234 U	242 U	273 U	230 U
Total SVOC TICs	NA	NC	NT	2,073	98,660	NT	NT

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.

**- action level for Cresol applies to individual isomers.
[BB] = Sample locations where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 9B - Subsurface Soil Results Compared to Unrestricted SCOs
SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	TP-142	TP-143	TP-148	TP-149[BB]	TP-152
		Sample ID	TP-142-0-1-011516	TP-143-4-6.5-011416	TP-148-2-2.5-012516	TP-149-6-8-011416	TP-152-2.5-3-012916
		Sample Date	1/15/2016	1/14/2016	1/25/2016	1/14/2016	1/29/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	2120575	2119212	2121863	2119212	2121862
		Start Depth	0	4	2	6	2.5
		End Depth	1	6.5	2.5	8	3
Chemical Name	**CAS #**	**NY Part 375 Unrestricted SCO[1]**					
SVOCs							
1,1'-Biphenyl	92-52-4	NC	65.5 J	137 U	119 U	115 U	120 U
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	122 U	137 U	119 U	115 U	120 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	243 U	275 U	237 U	231 U	239 U
2,4,5-Trichlorophenol	95-95-4	NC	243 U	275 U	237 U	231 U	239 U
2,4,6-Trichlorophenol	88-06-2	NC	243 U	275 U	237 U	231 U	239 U
2,4-Dichlorophenol	120-83-2	NC	243 U	275 U	237 U	231 U	239 U
2,4-Dimethylphenol	105-67-9	NC	243 U	275 U	237 U	231 U	239 U
2,4-Dinitrophenol	51-28-5	NC	426 U	480 U	415 U	404 U	418 U
2,4-Dinitrotoluene	121-14-2	NC	122 U	137 U	119 U	115 U	120 U
2,6-Dinitrotoluene	606-20-2	NC	122 U	137 U	119 U	115 U	120 U
2-Chloronaphthalene	91-58-7	NC	122 U	137 U	119 U	115 U	120 U
2-Chlorophenol	95-57-8	NC	243 U	275 U	237 U	231 U	239 U
2-Methylnaphthalene	91-57-6	NC	771	51.4 J	119 U	17.1 J	91.8 J
2-Methylphenol	95-48-7	330	243 U	275 U	237 U	231 U	239 U
2-Nitroaniline	88-74-4	NC	243 U	275 U	237 U	231 U	239 U
2-Nitrophenol	88-75-5	NC	243 U	275 U	237 U	231 U	239 U
3,3-Dichlorobenzidine	91-94-1	NC	243 U	275 U	237 U	231 U	239 U
3-Nitroaniline	99-09-2	NC	243 U	275 U	237 U	231 U	239 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	243 U	275 U	237 U	231 U	239 U
4-Bromophenyl-phenylether	101-55-3	NC	122 U	137 U	119 U	115 U	120 U
4-Chloro-3-methylphenol	59-50-7	NC	243 U	275 U	237 U	231 U	239 U
4-Chloroaniline	106-47-8	NC	243 U	275 U	237 U	231 U	239 U
4-Chlorophenyl-phenylether	7005-72-3	NC	122 U	137 U	119 U	115 U	120 U
4-Nitroaniline	100-01-6	NC	243 U	275 U	237 U	231 U	239 U
4-Nitrophenol	100-02-7	NC	243 U	275 U	237 U	231 U	239 U
Acenaphthene	83-32-9	20,000	60.9 U	68.6 U	59.3 U	57.7 U	59.8 U
Acenaphthylene	208-96-8	100,000	60.9 U	68.6 U	59.3 U	57.7 U	59.8 U
Acetophenone	98-86-2	NC	126	54.1 J	119 U	115 U	65 J
Anthracene	120-12-7	100,000	60.9 U	39.7 J	59.3 U	57.7 U	29.5 J
Atrazine	1912-24-9	NC	122 U	137 UJ	119 U	115 U	120 U
Benzaldehyde	100-52-7	NC	111 J	275 UJ	237 U	231 U	53.9 J
Benzidine	92-87-5	NC	243 U	275 UJ	237 U	231 U	239 U
Benzo[a]anthracene	56-55-3	1,000	105	68.6 U	59.3 U	40.3 J	59.8 U
Benzo[a]pyrene	50-32-8	1,000	68.1	105	59.3 U	57.7 U	59.8 U
Benzo[b]fluoranthene	205-99-2	1,000	103	147	59.3 U	57.7 U	59.8 U
Benzo[g,h,i]perylene	191-24-2	100,000	65.4	86.1	59.3 U	57.7 U	59.8 U
Benzo[k]fluoranthene	207-08-9	800	60.9 U	41.9 J	59.3 U	57.7 U	59.8 U
Bis(2-Chloroethoxy)methane	111-91-1	NC	122 U	137 U	119 U	115 U	120 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	122 U	137 U	119 U	115 U	120 U
Bis(2-Chloroisopropyl)ether	108-60-1	NC	122 U	137 U	119 U	115 U	120 U
Bis(2-Ethylhexyl)phthalate	117-81-7	NC	304 U	343 U	296 U	288 U	299 U
Butylbenzylphthalate	85-68-7	NC	122 U	137 U	119 U	115 U	120 U
Caprolactam	105-60-2	NC	243 U	275 UJ	237 U	231 U	239 U
Carbazole	86-74-8	NC	19.8 J	137 U	119 U	115 U	120 U
Chrysene	218-01-9	1,000	194	199	59.3 U	57.5 J	59.8 U
Dibenzo[a,h]Anthracene	53-70-3	330	24.5 J	56.5 J	59.3 U	57.7 U	59.8 U
Dibenzofuran	132-64-9	7,000	211	137 U	119 U	115 U	48.9 J
Diethylphthalate	84-66-2	NC	122 U	137 U	119 U	115 U	120 U
Dimethylphthalate	131-11-3	NC	122 U	137 U	119 U	115 U	120 U
Di-n-butylphthalate	84-74-2	NC	122 U	137 U	119 U	115 U	120 U
Di-n-octylphthalate	117-84-0	NC	122 U	137 U	119 U	115 U	120 U
Fluoranthene	206-44-0	100,000	132	154	59.3 U	29.6 J	59.5 J
Fluorene	86-73-7	30,000	36.5 J	68.6 U	59.3 U	57.7 U	59.8 U
Hexachlorobenzene	118-74-1	330	122 U	137 U	119 U	115 U	120 U
Hexachlorobutadiene	87-68-3	NC	122 U	137 U	119 U	115 U	120 U
Hexachlorocyclopentadiene	77-47-4	NC	243 U	275 U	237 U	231 U	239 U
Hexachloroethane	67-72-1	NC	122 U	137 U	119 U	115 U	120 U
Indeno[1,2,3-cd]pyrene	193-39-5	500	39.3 J	59.8 J	59.3 U	57.7 U	59.8 U
Isophorone	78-59-1	NC	122 U	137 U	119 U	115 U	120 U
m-Cresol & p-Cresol	MEPH1314	330**	243 U	275 U	237 U	231 U	239 U
Naphthalene	91-20-3	12,000	431	40.2 J	59.3 U	57.7 U	102
Nitrobenzene	98-95-3	NC	122 U	137 U	119 U	115 U	120 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	122 U	137 U	119 U	115 U	120 U
N-Nitrosodiphenylamine	86-30-6	NC	122 U	137 U	119 U	115 U	120 U
Pentachlorophenol	87-86-5	800	243 U	275 U	237 U	231 U	239 U
Phenanthrene	85-01-8	100,000	598	179	59.3 U	75.3	166
Phenol	108-95-2	330	243 U	275 U	237 U	231 U	239 U
Pyrene	129-00-0	100,000	116	138	59.3 U	27.8 J	53.1 J
Pyridine	110-86-1	NC	243 U	275 U	237 U	231 U	239 U
Total SVOC TICs	NA	NC	11,936	NT	873	NT	2,930

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.

**- action level for Cresol applies to individual isomers.
[BB] = Sample locations where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 9C - Subsurface Soil Results Compared to Unrestricted SCOs
Pesticides/Herbicides
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SB-101	SB-103	SB-105	SB-111	SB-112	SB-113	SB-113[BB]	SB-113	SB-116	SB-117	SB-129
		Sample ID	SB-101-12.5-14-031016	SB-103-4.8-5.8-030416	SB-105-11-12-031016	SB-111-6-7-031016	SB-112-0.5-2.0-082217	DUP-002-031416	SB-113-1-2-031416	SB-113-4.5-6.5-031416	SB-116-5.7-6.5-030216	DUP-003-030216	SB-129-4.6-6.6-031516
		Sample Date	3/10/2016	3/4/2016	3/10/2016	3/10/2016	8/22/2017	3/14/2016	3/14/2016	3/14/2016	3/2/2016	3/2/2016	3/15/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	2130254	2129473	2130254	2130254	2258101	2130903	2130903	2130903	2127346	2127346	2130900
		Start Depth	12.5	4.8	11	6	0.5	4.5	1	4.5	5.7	5.9	4.6
		End Depth	14	5.8	12	7	2	6.5	2	6.5	6.5	7	6.6
Chemical Name	**CAS #**	**NY Part 375 Unrestricted SCO[1]**											
Pesticides/Herbicides													
4-4-DDD	72-54-8	3.3	3.3 U	3.2 U	4.1 UJ	3 U	4.3 U	3.3 U	3.3 U	4.3 UJ	3.4 U	3.4 U	3.2 UJ
4-4-DDE	72-55-9	3.3	3.3 U	3.2 U	4.1 U	3 U	4.3 U	3.3 U	3.3 U	4.3 U	3.4 U	3.4 U	3.2 U
4-4-DDT	50-29-3	3.3	3.3 U	3.2 U	4.1 UJ	3 U	4.3 U	3.3 U	3.3 U	4.3 UJ	3.4 U	3.4 U	3.2 UJ
a-BHC	319-84-6	20	3.3 U	3.2 U	4.1 U	3 U	2.2 U	3.3 U	3.3 U	4.3 U	3.4 U	3.4 U	3.2 U
Aldrin	309-00-2	5	3.3 U	3.2 U	4.1 U	3 U	2.2 U	3.3 U	3.3 U	4.3 U	3.4 U	3.4 U	3.2 U
alpha-Chlordane	5103-71-9	94	3.3 U	3.2 U	4.1 U	3 U	2.2 U	3.3 U	3.3 U	4.3 U	3.4 U	3.4 U	3.2 U
b-BHC	319-85-7	36	3.3 U	3.2 U	4.1 U	3 U	2.2 U	3.3 U	3.3 U	4.3 U	3.4 U	3.4 U	3.2 U
Chlordane	57-74-9	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
d-BHC	319-86-8	40	3.3 U	3.2 U	4.1 U	3 U	2.2 U	3.3 U	3.3 U	4.3 U	3.4 U	3.4 U	3.2 U
Dieldrin	60-57-1	5	3.3 U	3.2 U	4.1 U	3 U	4.3 U	3.3 U	3.3 U	4.3 U	3.4 U	3.4 U	3.2 U
Endosulfan I	959-98-8	2,400	3.3 U	3.2 U	4.1 U	3 U	2.2 U	3.3 U	3.3 U	4.3 U	3.4 U	3.4 U	3.2 U
Endosulfan II	33213-65-9	2,400	3.3 U	3.2 U	4.1 U	3 U	4.3 U	3.3 U	3.3 U	4.3 U	3.4 U	3.4 U	3.2 U
Endosulfan Sulfate	1031-07-8	2,400	3.3 U	3.2 U	4.1 U	3 U	4.3 U	3.3 U	3.3 U	4.3 U	3.4 U	3.4 U	3.2 U
Endrin	72-20-8	14	3.3 U	3.2 U	4.1 U	3 U	4.3 U	3.3 U	3.3 U	4.3 U	3.4 U	3.4 U	3.2 U
Endrin Aldehyde	7421-93-4	NC	3.3 U	3.2 U	4.1 U	3 U	4.3 U	3.3 U	3.3 U	4.3 U	3.4 U	3.4 U	3.2 U
Endrin Ketone	53494-70-5	NC	3.3 U	3.2 U	4.1 U	3 U	4.3 U	3.3 U	3.3 U	4.3 U	3.4 U	3.4 U	3.2 U
Heptachlor	76-44-8	42	3.3 U	3.2 U	4.1 U	3 U	2.2 U	3.3 U	3.3 U	4.3 U	3.4 U	3.4 U	3.2 U
Heptachlor Epoxide	1024-57-3	NC	3.3 U	1.2 J	4.1 U	3 U	2.2 U	3.3 U	3.3 U	4.3 U	3.4 U	3.4 U	3.2 U
Lindane	58-89-9	100	3.3 U	3.2 U	25.3 JN	3 U	2.2 U	3.3 U	3.3 U	4.3 U	3.4 U	3.4 U	3.2 U
Methoxychlor	72-43-5	NC	3.3 U	3.2 U	4.1 UJ	3 U	4.3 U	3.3 U	3.3 U	4.3 UJ	3.4 U	3.4 U	3.2 UJ
Toxaphene	8001-35-2	NC	67.1 U	65 U	84.2 U	60.7 U	45.8 U	67 U	67.2 U	87.5 U	69.1 U	69.7 U	64.8 U
y-Chlordane	5103-74-2	NC	3.3 U	3.2 U	4.1 U	3 U	2.2 U	3.3 U	3.3 U	4.3 U	3.4 U	3.4 U	3.2 U

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample locations where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 9C - Subsurface Soil Results Compared to Unrestricted SCOs
Pesticides/Herbicides
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SB-134	SB-135	SB-136	SB-138	SB-144	SB-146	SB-148	SB-154	SB-157	SB-160	SB-161	SB-167	SB-168
		Sample ID	SB-134-10-11-031516	SB-135-8-9-041516	SB-136-5-7-031116	SB-138-4-4.8-030116	SB-144-1-1.8-030116	SB-146-6-8-030216	SB-148-8-9.2-040616	SB-154-15-17-030316	SB-157-20.5-21.5-030916	SB-160-4-5-030916	SB-161-24-26-030816	SB-167-18-19-030716	SB-168-16-17-030816
		Sample Date	3/15/2016	4/15/2016	3/11/2016	3/1/2016	3/1/2016	3/2/2016	4/7/2016	3/3/2016	3/9/2016	3/9/2016	3/8/2016	3/7/2016	3/8/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	2130900	2139069	2130903	2127346	2127346	2127346	2136537	2129473	2130254	2130254	2130254	2129473	2130254
		Start Depth	10	8	5	4	1	6	8	15	20.5	4	24	18	16
		End Depth	11	9	7	4.8	1.8	8	9.2	17	21.5	5	26	19	17
Chemical Name	**CAS #**	**NY Part 375 Unrestricted SCO[1]**													
Pesticides/Herbicides															
4-4-DDD	72-54-8	3.3	3.3 UJ	4 U	3.1 U	3.1 U	3.1 U	3.1 U	3.5 U	3.3 U	3.2 U	3 U	2.9 U	4	3.1 U
4-4-DDE	72-55-9	3.3	3.3 U	4 U	3.1 U	3.1 U	3.1 U	3.1 U	3.5 U	3.3 U	3.2 U	3 U	2.9 U	3.2 U	3.1 U
4-4-DDT	50-29-3	3.3	3.3 UJ	4 UJ	3.1 U	3.1 U	3.1 U	3.1 U	3.5 U	3.3 U	3.2 U	3 U	2.9 U	3.2 U	3.1 U
a-BHC	319-84-6	20	3.3 U	4 U	3.1 U	3.1 U	3.1 U	3.1 U	3.5 U	3.3 U	3.2 U	3 U	2.9 U	3.2 U	3.1 U
Aldrin	309-00-2	5	3.3 U	4 UJ	3.1 U	3.1 U	3.1 U	3.1 U	3.5 U	3.3 U	3.2 U	3 U	2.9 U	3.2 U	3.1 U
alpha-Chlordane	5103-71-9	94	3.3 U	4 U	3.1 U	3.1 U	3.1 U	3.1 U	3.5 UJ	3.3 U	3.2 U	3 U	2.9 U	3.2 U	3.1 U
b-BHC	319-85-7	36	3.3 U	4 U	3.1 U	3.1 U	3.1 U	3.1 U	3.5 U	3.3 U	3.2 U	3 U	2.9 U	3.2 U	3.1 U
Chlordane	57-74-9	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
d-BHC	319-86-8	40	3.3 U	4 U	3.1 U	3.1 U	3.1 U	3.1 U	3.5 U	3.3 U	3.2 U	3 U	2.9 U	3.2 U	3.1 U
Dieldrin	60-57-1	5	3.3 U	4 UJ	3.1 U	3.1 U	3.1 U	3.1 U	3.5 U	3.3 U	3.2 U	3 U	2.9 U	3.2 U	3.1 U
Endosulfan I	959-98-8	2,400	3.3 U	4 U	3.1 U	3.1 U	3.1 U	3.1 U	3.5 U	3.3 U	3.2 U	3 U	2.9 U	3.2 U	3.1 U
Endosulfan II	33213-65-9	2,400	3.3 U	4 U	3.1 U	3.1 U	3.1 U	3.1 U	3.5 U	3.3 U	3.2 U	3 U	2.9 U	3.2 U	3.1 U
Endosulfan Sulfate	1031-07-8	2,400	3.3 U	4 UJ	3.1 U	3.1 U	3.1 U	3.1 U	3.5 U	3.3 U	3.2 U	3 U	2.9 U	3.2 U	3.1 U
Endrin	72-20-8	14	3.3 U	4 U	3.1 U	3.1 U	3.1 U	3.1 U	3.5 U	3.3 U	3.2 U	3 U	2.9 U	3.2 U	3.1 U
Endrin Aldehyde	7421-93-4	NC	3.3 U	4 U	3.1 U	3.1 U	3.1 U	3.1 U	3.5 U	3.3 U	3.2 U	3 U	2.9 U	3.2 U	3.1 U
Endrin Ketone	53494-70-5	NC	3.3 U	4 U	3.1 U	3.1 U	3.1 U	3.1 U	3.5 U	3.3 U	3.2 U	3 U	2.9 U	3.2 U	3.1 U
Heptachlor	76-44-8	42	3.3 U	4 UJ	3.1 U	3.1 U	3.1 U	3.1 U	3.5 U	3.3 U	3.2 U	3 U	2.9 U	3.2 U	3.1 U
Heptachlor Epoxide	1024-57-3	NC	3.3 U	4 U	3.1 U	3.1 U	3.1 U	3.1 U	3.5 U	3.3 U	3.2 U	3 U	2.9 U	3.2 U	3.1 U
Lindane	58-89-9	100	3.3 U	4 U	3.1 U	3.1 U	3.1 U	3.1 U	3.5 UJ	3.3 U	3.2 U	3 U	2.9 U	3.2 U	3.1 U
Methoxychlor	72-43-5	NC	3.3 UJ	4 U	3.1 U	3.1 U	3.1 U	3.1 U	3.5 U	3.3 U	3.2 U	3 U	2.9 U	3.2 U	3.1 U
Toxaphene	8001-35-2	NC	66 U	80.4 U	63.6 U	62.6 U	63 U	63.2 U	70.5 U	67.8 U	64.4 U	61.4 U	58.6 U	65 U	63 U
y-Chlordane	5103-74-2	NC	3.3 U	4 U	3.1 U	3.1 U	3.1 U	3.1 U	3.5 U	3.3 U	3.2 U	3 U	2.9 U	3.2 U	3.1 U

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample locations where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 9C - Subsurface Soil Results Compared to Unrestricted SCOs
Pesticides/Herbicides
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SB-169	SB-172	SB-173	SB-174	SB-TP-139[BB]	SB-TP-139[BB]	TP-100	TP-103	TP-103	TP-105	TP-108	TP-112	TP-113
		Sample ID	SB-169-16-17-030716	SB-172-8.8-9.6-082217	SB-173-12-15-082117	SB-174-12.5-15-082117	DUP-001-030716	SB-TP-139-12-14-030716	TP-100-2-4-012116	DUP-008-012116	TP-103-0-2-012116	TP-105-4.5-6.5-012216	TP-108-0-1.5-012516	TP-112-3.5-4-012516	TP-113-1.5-2-012516
		Sample Date	3/7/2016	8/22/2017	8/21/2017	8/21/2017	3/7/2016	3/7/2016	1/21/2016	1/21/2016	1/21/2016	1/22/2016	1/25/2016	1/25/2016	1/25/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	2129473	2258101	2258101	2258101	2129473	2129473	2120575	2120575	2120575	2120575	2121863	2121863	2121863
		Start Depth	16	8.8	12	12.5	12	12	2	0	0	4.5	0	3.5	1.5
		End Depth	17	9.6	15	15	14	14	4	2	2	6.5	1.5	4	2
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]													
Pesticides/Herbicides															
4-4-DDD	72-54-8	3.3	3.1 U	3.6 U	3.8 U	4.3 U	3.1 U	3.2 U	3.5 U	3.1 U	2.9 U	3.4 U	3.2 U	3.2 U	2.8 U
4-4-DDE	72-55-9	3.3	3.1 U	3.6 U	3.8 U	4.3 U	3.1 U	3.2 U	3.5 U	3.1 U	2.9 U	3.4 U	3.2 U	3.2 U	2.8 U
4-4-DDT	50-29-3	3.3	3.1 U	0.65 J	3.8 U	4.3 U	3.1 U	3.2 U	3.5 U	3.1 U	2.9 U	3.4 U	3.2 U	3.2 U	2.8 U
a-BHC	319-84-6	20	3.1 U	1.9 U	2 U	2.2 U	3.1 U	3.2 U	3.5 U	3.1 U	2.9 U	3.4 U	3.2 U	3.2 U	2.8 U
Aldrin	309-00-2	5	3.1 U	1.9 U	2 U	2.2 U	3.1 U	3.2 U	3.5 U	3.1 U	2.9 U	3.4 U	3.2 U	3.2 U	2.8 U
alpha-Chlordane	5103-71-9	94	3.1 U	1.9 U	2 U	2.2 U	3.1 U	3.2 U	3.5 U	3.1 U	2.9 U	3.4 U	3.2 U	3.2 U	2.8 U
b-BHC	319-85-7	36	3.1 U	1.9 U	2 U	2.2 U	3.1 U	3.2 U	3.5 U	3.1 U	2.9 U	3.4 U	3.2 U	3.2 U	2.8 U
Chlordane	57-74-9	NC	NA	NA	NA	NA	NA	NA	37.1 U	33.4 U	30.4 U	36.1 U	NA	NA	NA
d-BHC	319-86-8	40	3.1 U	1.9 U	2 U	2.2 U	3.1 U	3.2 U	3.5 UJ	3.1 UJ	2.9 UJ	3.4 UJ	3.2 U	3.2 U	2.8 U
Dieldrin	60-57-1	5	3.1 U	3.6 U	3.8 U	4.3 U	3.1 U	3.2 U	3.5 U	3.1 U	2.9 U	3.4 U	3.2 U	3.2 U	2.8 U
Endosulfan I	959-98-8	2,400	3.1 U	1.9 U	2 U	2.2 U	3.1 U	3.2 U	3.5 U	3.1 U	2.9 U	3.4 U	3.2 U	3.2 U	2.8 U
Endosulfan II	33213-65-9	2,400	3.1 U	3.6 U	3.8 U	4.3 U	3.1 U	3.2 U	3.5 U	3.1 U	2.9 U	3.4 U	3.2 U	3.2 U	2.8 U
Endosulfan Sulfate	1031-07-8	2,400	3.1 U	3.6 U	3.8 U	4.3 U	3.1 U	3.2 U	3.5 U	3.1 U	2.9 U	3.4 U	3.2 U	3.2 U	2.8 U
Endrin	72-20-8	14	3.1 U	3.6 U	3.8 U	4.3 U	3.1 U	3.2 U	3.5 U	3.1 U	2.9 U	3.4 U	3.2 U	3.2 U	2.8 U
Endrin Aldehyde	7421-93-4	NC	3.1 U	3.6 U	3.8 U	4.3 U	3.1 U	3.2 U	3.5 U	3.1 U	2.9 U	3.4 U	3.2 U	3.2 U	2.8 U
Endrin Ketone	53494-70-5	NC	3.1 U	3.6 U	3.8 U	4.3 U	3.1 U	3.2 U	3.5 U	3.1 U	2.9 U	3.4 U	3.2 U	3.2 U	2.8 U
Heptachlor	76-44-8	42	3.1 U	1.9 U	2 U	2.2 U	3.1 U	3.2 U	3.5 U	3.1 U	2.9 U	3.4 U	3.2 U	3.2 U	2.8 U
Heptachlor Epoxide	1024-57-3	NC	3.1 U	1.9 U	2 U	2.2 U	3.1 U	3.2 U	3.5 U	3.1 U	2.9 U	4	3.2 U	3.2 U	2.8 U
Lindane	58-89-9	100	3.1 U	1.9 U	2 U	2.2 U	3.1 U	3.2 U	3.5 U	3.1 U	2.9 U	3.4 U	3.2 U	3.2 U	2.8 U
Methoxychlor	72-43-5	NC	3.1 U	3.6 U	3.8 U	4.3 U	3.1 U	3.2 U	3.5 U	3.1 U	2.9 U	3.4 U	3.2 U	3.2 U	2.8 U
Toxaphene	8001-35-2	NC	62.1 U	38.2 U	40.2 U	45.2 U	62.4 U	64.7 U	71.1 U	63.8 U	58.3 U	69.1 U	64.8 U	65.3 U	57.5 U
y-Chlordane	5103-74-2	NC	3.1 U	1.9 U	2 U	2.2 U	3.1 U	3.2 U	3.5 U	3.1 U	2.9 U	3.4 U	3.2 U	3.2 U	2.8 U

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample locations where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 9C - Subsurface Soil Results Compared to Unrestricted SCOs
Pesticides/Herbicides
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	TP-114	TP-117	TP-123	TP-127	TP-128	TP-130	TP-132	TP-134	TP-135	TP-137	TP-143	TP-148	TP-149[BB]
		Sample ID	TP-114-4-5-012616	TP-117-1.5-2-011516	TP-123-4.5-5-012616	TP-127-8-8.5-012716	TP-128-5-6-012716	TP-130-9.5-10-012816	TP-132-3-3.5-012816	TP-134-5-6-012816	TP-135-2-3-012916	TP-137-9.5-10-012916	TP-143-4-6.5-011416	TP-148-2-2.5-012516	TP-149-6-8-011416
		Sample Date	1/26/2016	1/15/2016	1/26/2016	1/27/2016	1/27/2016	1/28/2016	1/28/2016	1/28/2016	1/29/2016	1/29/2016	1/14/2016	1/25/2016	1/14/2016
		Unit	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		Lab SDG	2121863	2120575	2121863	2121863	2121863	2121862	2121862	2121862	2121862	2121862	2119212	2121863	2119212
		Start Depth	4	1.5	4.5	8	5	9.5	3	5	2	9.5	4	2	6
		End Depth	5	2	5	8.5	6	10	3.5	6	3	10	6.5	2.5	8
Chemical Name	**CAS #**	**NY Part 375 Unrestricted SCO[1]**													
Pesticides/Herbicides															
4-4-DDD	72-54-8	3.3	3.9 U	3.3 U	3.2 U	4.5 U	5.1 U	3.5 U	6.4 J	3.3 U	3.1 U	3.1 U	4.5 UJ	3.1 U	3.9 U
4-4-DDE	72-55-9	3.3	3.9 U	3.3 U	3.2 U	4.5 U	5.1 U	3.5 U	5.1 J	3.3 U	3.1 U	3.1 U	4.5 U	3.1 U	3.9 U
4-4-DDT	50-29-3	3.3	3.9 U	3.3 U	3.2 U	4.5 U	5.1 U	3.5 U	5.1 JN	3.3 U	3.1 U	3.1 U	4.5 U	3.1 U	3.9 U
a-BHC	319-84-6	20	3.9 U	3.3 U	3.2 U	4.5 U	5.1 U	3.5 U	3.5 U	3.3 U	3.1 U	3.1 U	4.5 UJ	3.1 U	3.9 U
Aldrin	309-00-2	5	3.9 U	3.3 U	3.2 U	4.5 U	5.1 U	3.5 U	3.5 U	3.3 U	3.1 U	3.1 U	4.5 U	3.1 U	3.9 U
alpha-Chlordane	5103-71-9	94	3.9 U	3.3 U	3.2 U	4.5 U	5.1 U	3.5 U	2.8 J	3.3 U	3.1 U	3.1 U	4.5 UJ	3.1 U	3.9 U
b-BHC	319-85-7	36	3.9 U	3.3 U	3.2 U	4.5 U	5.1 U	3.5 U	3.5 U	3.3 U	3.1 U	3.1 U	4.5 U	3.1 U	3.9 U
Chlordane	57-74-9	NC	NA	35.4 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
d-BHC	319-86-8	40	3.9 U	3.3 UJ	3.2 U	4.5 U	5.1 U	3.5 U	3.5 U	3.3 U	3.1 U	3.1 U	4.5 UJ	3.1 U	3.9 U
Dieldrin	60-57-1	5	3.9 U	3.3 U	3.2 U	4.5 U	5.1 U	3.5 U	3.5 U	3.3 U	3.1 U	3.1 U	4.5 U	3.1 U	17.7 JN
Endosulfan I	959-98-8	2,400	3.9 U	3.3 U	3.2 U	4.5 U	5.1 U	3.5 U	3.5 U	3.3 U	3.1 U	3.1 U	4.5 U	3.1 U	3.9 U
Endosulfan II	33213-65-9	2,400	3.9 U	3.3 U	3.2 U	4.5 U	5.1 U	3.5 U	3.5 U	3.3 U	3.1 U	3.1 U	4.5 UJ	3.1 U	3.9 U
Endosulfan Sulfate	1031-07-8	2,400	3.9 U	3.3 U	3.2 U	4.5 U	5.1 U	3.5 U	3.5 U	3.3 U	3.1 U	3.1 U	4.5 U	3.1 U	3.9 U
Endrin	72-20-8	14	3.9 U	3.3 U	3.2 U	4.5 U	5.1 U	3.5 U	3.5 U	3.3 U	3.1 U	3.1 U	4.5 U	3.1 U	3.9 U
Endrin Aldehyde	7421-93-4	NC	3.9 U	3.3 U	3.2 U	4.5 U	5.1 U	3.5 U	3.5 U	3.3 U	3.1 U	3.1 U	4.5 U	3.1 U	3.9 U
Endrin Ketone	53494-70-5	NC	3.9 U	3.3 U	3.2 U	4.5 U	5.1 U	3.5 U	3.5 U	3.3 U	3.1 U	3.1 U	4.5 U	3.1 U	3.9 U
Heptachlor	76-44-8	42	3.9 U	3.3 U	3.2 U	4.5 U	5.1 U	3.5 U	3.5 U	3.3 U	3.1 U	3.1 U	4.5 U	3.1 U	3.9 U
Heptachlor Epoxide	1024-57-3	NC	3.9 U	3.3 U	3.2 U	4.5 U	5.1 U	3.5 U	3.5 U	3.3 U	3.1 U	3.1 U	4.5 UJ	3.1 U	3.9 U
Lindane	58-89-9	100	3.9 U	3.3 U	3.2 U	4.5 U	5.1 U	3.5 U	3.5 U	3.3 U	3.1 U	3.1 U	4.5 U	3.1 U	3.9 U
Methoxychlor	72-43-5	NC	3.9 U	3.3 U	3.2 U	4.5 U	5.1 U	3.5 U	3.5 U	3.3 U	3.1 U	3.1 U	4.5 U	3.1 U	3.9 U
Toxaphene	8001-35-2	NC	78.9 U	67.8 U	64.1 U	91.5 U	103 U	70.3 U	70.8 U	66.2 U	62 U	63.9 U	91.4 U	63.5 U	78.3 U
y-Chlordane	5103-74-2	NC	3.9 U	3.3 U	3.2 U	4.5 U	5.1 U	4 JN	10.1 JN	3.3 U	3.1 U	3.1 U	4.5 U	3.1 U	3.9 U

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
µg/kg - micrograms per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample locations where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 9D - Subsurface Soil Results Compared to Unrestricted SCOs
PCBs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	OVR-100	OVR-107	OVR-108	OVR-109	OVR-109	OVR-116	OVR-117	OVR-118
		Sample ID	OVR-100-6-7-04222016	OVR-107-10-11-041216	OVR-108-4.1-5.4-041316	DUP-004-041116	OVR-109-10-11.8-041116	OVR-116-10-11.9-040116	OVR-117-7-7.6-040716	OVR-118-0.5-1-041316
		Sample Date	4/22/2016	4/12/2016	4/13/2016	4/11/2016	4/11/2016	4/1/2016	4/7/2016	4/13/2016
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Lab SDG	2139069	2136537	2139069	2136537	2136537	2136532	2136537	2139069
		Start Depth	6	10	4.1	10	10	10	7	0.5
		End Depth	7	11	5.4	11.8	11.8	11.9	7.6	1
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]								
PCBs										
Aroclor 1268	11100-14-4	NC	NA	0.041 UJ	NA	0.04 UJ	0.043 U	0.04 U	0.054 R	NA
Aroclor-1016	12674-11-2	NC	0.046 U	0.041 UJ	0.041 U	0.04 UJ	0.043 U	0.04 U	0.054 R	0.037 U
Aroclor-1221	11104-28-2	NC	0.046 U	0.041 UJ	0.041 U	0.04 UJ	0.043 U	0.04 U	0.054 R	0.037 U
Aroclor-1232	11141-16-5	NC	0.046 U	0.041 UJ	0.041 U	0.04 UJ	0.043 U	0.04 U	0.054 R	0.037 U
Aroclor-1242	53469-21-9	NC	0.046 U	0.041 UJ	0.041 U	0.04 UJ	0.043 U	0.04 U	0.054 R	0.037 U
Aroclor-1248	12672-29-6	NC	0.056	0.041 UJ	0.041 U	0.04 UJ	0.043 U	0.04 U	0.054 R	0.037 U
Aroclor-1254	11097-69-1	NC	0.046 U	0.041 UJ	0.041 U	0.04 UJ	0.043 U	0.04 U	0.054 R	0.037 U
Aroclor-1260	11096-82-5	NC	0.046 U	0.041 UJ	0.041 U	0.04 UJ	0.043 U	0.04 U	0.054 R	0.037 U
PCB-1262	37324-23-5	NC	NA	0.041 UJ	NA	0.04 UJ	0.043 U	0.04 U	0.054 R	NA
Total PCBs	1336-36-3	0.1	0.056	0.041 UJ	0.041 U	0.04 UJ	0.043 U	0.04 U	R	0.037 U

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
mg/kg - milligrams per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample

T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample locations where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 9D - Subsurface Soil Results Compared to Unrestricted SCOs
PCBs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SB-100	SB-101	SB-103	SB-105	SB-106	SB-107	SB-108	SB-111	SB-112
		Sample ID	SB-100-9-10-031016	SB-101-12.5-14-031016	SB-103-4.8-5.8-030416	SB-105-11-12-031016	SB-106-5-6-030316	SB-107-6-7-030316	SB-108-5.8-6.4-030316	SB-111-6-7-031016	SB-112-0.5-2.0-082217
		Sample Date	3/10/2016	3/10/2016	3/4/2016	3/10/2016	3/3/2016	3/3/2016	3/3/2016	3/10/2016	8/22/2017
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Lab SDG	2130254	2130254	2129473	2130254	2129473	2129473	2129473	2130254	2258101
		Start Depth	9	12.5	4.8	11	5	6	5.8	6	0.5
		End Depth	10	14	5.8	12	6	7	6.4	7	2
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]									
PCBs											
Aroclor 1268	11100-14-4	NC	0.051 U	0.042 U	0.039 U	0.051 U	0.039 U	0.037 U	0.041 U	0.037 U	0.043 U
Aroclor-1016	12674-11-2	NC	0.051 U	0.042 U	0.039 U	0.051 U	0.039 U	0.037 U	0.041 U	0.037 U	0.043 U
Aroclor-1221	11104-28-2	NC	0.051 U	0.042 U	0.039 U	0.051 U	0.039 U	0.037 U	0.041 U	0.037 U	0.043 U
Aroclor-1232	11141-16-5	NC	0.051 U	0.042 U	0.039 U	0.051 U	0.039 U	0.037 U	0.041 U	0.037 U	0.043 U
Aroclor-1242	53469-21-9	NC	0.051 U	0.042 U	0.039 U	0.051 U	0.039 U	0.037 U	0.041 U	0.037 U	0.043 U
Aroclor-1248	12672-29-6	NC	0.051 U	0.042 U	0.039 U	0.051 U	0.039 U	0.037 U	0.041 U	0.037 U	0.043 U
Aroclor-1254	11097-69-1	NC	0.051 U	0.042 U	0.039 U	0.051 U	0.039 U	0.037 U	0.041 U	0.037 U	0.043 U
Aroclor-1260	11096-82-5	NC	0.051 U	0.042 U	0.039 U	0.051 U	0.039 U	0.037 U	0.041 U	0.037 U	0.043 U
PCB-1262	37324-23-5	NC	0.051 U	0.042 U	0.039 U	0.051 U	0.039 U	0.037 U	0.041 U	0.037 U	0.043 U
Total PCBs	1336-36-3	0.1	0.051 U	0.042 U	0.039 U	0.051 U	0.039 U	0.037 U	0.041 U	0.037 U	0.043 U

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
mg/kg - milligrams per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample

T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample locations where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 9D - Subsurface Soil Results Compared to Unrestricted SCOs
PCBs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SB-113	SB-113[BB]	SB-113	SB-114	SB-116	SB-117	SB-117	SB-118
		Sample ID	DUP-002-031416	SB-113-1-2-031416	SB-113-4.5-6.5-031416	SB-114-2-2.5-030216	SB-116-5.7-6.5-030216	DUP-003-030216	SB-117-5.9-7-030216	SB-118-7-7.4-030216
		Sample Date	3/14/2016	3/14/2016	3/14/2016	3/2/2016	3/2/2016	3/2/2016	3/2/2016	3/2/2016
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Lab SDG	2130903	2130903	2130903	2127346	2127346	2127346	2127346	2127346
		Start Depth	4.5	1	4.5	2	5.7	5.9	5.9	7
		End Depth	6.5	2	6.5	2.5	6.5	7	7	7.4
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]								
PCBs										
Aroclor 1268	11100-14-4	NC	0.04 U	0.04 U	0.053 U	0.036 U	0.042 U	0.043 U	0.044 U	0.039 U
Aroclor-1016	12674-11-2	NC	0.04 U	0.04 U	0.053 U	0.036 U	0.042 U	0.043 U	0.044 U	0.039 U
Aroclor-1221	11104-28-2	NC	0.04 U	0.04 U	0.053 U	0.036 U	0.042 U	0.043 U	0.044 U	0.039 U
Aroclor-1232	11141-16-5	NC	0.04 U	0.04 U	0.053 U	0.036 U	0.042 U	0.043 U	0.044 U	0.039 U
Aroclor-1242	53469-21-9	NC	0.04 U	0.04 U	0.053 U	0.036 U	0.042 U	0.043 U	0.044 U	0.039 U
Aroclor-1248	12672-29-6	NC	0.04 U	0.04 U	0.053 U	0.036 U	0.042 U	0.043 U	0.044 U	0.039 U
Aroclor-1254	11097-69-1	NC	0.04 U	0.04 U	0.053 U	0.036 U	0.042 U	0.043 U	0.044 U	0.039 U
Aroclor-1260	11096-82-5	NC	0.04 U	0.04 U	0.053 U	0.036 U	0.042 U	0.043 U	0.044 U	0.039 U
PCB-1262	37324-23-5	NC	0.04 U	0.04 U	0.053 U	0.036 U	0.042 U	0.043 U	0.044 U	0.039 U
Total PCBs	1336-36-3	0.1	0.04 U	0.04 U	0.053 U	0.036 U	0.042 U	0.043 U	0.044 U	0.039 U

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
mg/kg - milligrams per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample

T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample locations where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 9D - Subsurface Soil Results Compared to Unrestricted SCOs
PCBs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SB-119	SB-120	SB-121	SB-122	SB-123	SB-125	SB-126	SB-128	SB-129
		Sample ID	SB-119-4.5-6-031116	SB-120-6.5-7.4-031416	SB-121-2-2.5-031416	SB-122-7-8-022916	SB-123-6-7-031416	SB-125-5-7-031416	SB-126-1.5-2-031516	SB-128-6-6.5-031516	SB-129-4.6-6.6-031516
		Sample Date	3/11/2016	3/14/2016	3/14/2016	2/29/2016	3/14/2016	3/14/2016	3/15/2016	3/15/2016	3/15/2016
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Lab SDG	2130903	2130903	2130903	2127346	2130903	2130903	2130900	2130900	2130900
		Start Depth	4.5	6.5	2	7	6	5	1.5	6	4.6
		End Depth	6	7.4	2.5	8	7	7	2	6.5	6.6
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]									
PCBs											
Aroclor 1268	11100-14-4	NC	0.04 U	0.049 U	0.042 U	0.038 U	0.038 U	0.04 U	0.038 U	0.049 U	0.04 U
Aroclor-1016	12674-11-2	NC	0.04 U	0.049 U	0.042 U	0.038 U	0.038 U	0.04 U	0.038 U	0.049 U	0.04 U
Aroclor-1221	11104-28-2	NC	0.04 U	0.049 U	0.042 U	0.038 U	0.038 U	0.04 U	0.038 U	0.049 U	0.04 U
Aroclor-1232	11141-16-5	NC	0.04 U	0.049 U	0.042 U	0.038 U	0.038 U	0.04 U	0.038 U	0.049 U	0.04 U
Aroclor-1242	53469-21-9	NC	0.04 U	0.049 U	0.042 U	0.038 U	0.038 U	0.04 U	0.038 U	0.049 U	0.04 U
Aroclor-1248	12672-29-6	NC	0.04 U	0.049 U	0.042 U	0.038 U	0.038 U	0.04 U	0.038 U	0.049 U	0.04 U
Aroclor-1254	11097-69-1	NC	0.04 U	0.049 U	0.042 U	0.038 U	0.038 U	0.04 U	0.016 J	0.049 U	0.04 U
Aroclor-1260	11096-82-5	NC	0.04 U	0.049 U	0.042 U	0.038 U	0.038 U	0.04 U	0.038 U	0.049 U	0.04 U
PCB-1262	37324-23-5	NC	0.04 U	0.049 U	0.042 U	0.038 U	0.038 U	0.04 U	0.038 U	0.049 U	0.04 U
Total PCBs	1336-36-3	0.1	0.04 U	0.049 U	0.042 U	0.038 U	0.038 U	0.04 U	0.016J	0.049 U	0.04 U

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
mg/kg - milligrams per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample

T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample locations where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 9D - Subsurface Soil Results Compared to Unrestricted SCOs
PCBs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SB-130	SB-131	SB-132	SB-133	SB-134	SB-135	SB-136	SB-137	SB-138
		Sample ID	SB-130-4-4.5-042216	SB-131-8-10-031116	SB-132-4.5-5-041516	SB-133-4.5-5-041416	SB-134-10-11-031516	SB-135-8-9-041516	SB-136-5-7-031116	SB-137-6-8-031116	SB-138-4-4.8-030116
		Sample Date	4/22/2016	3/11/2016	4/15/2016	4/14/2016	3/15/2016	4/15/2016	3/11/2016	3/11/2016	3/1/2016
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Lab SDG	2139069	2130903	2140071	2139069	2130900	2139069	2130903	2130903	2127346
		Start Depth	4	8	4.5	4.5	10	8	5	6	4
		End Depth	4.5	10	5	5	11	9	7	8	4.8
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]									
PCBs											
Aroclor 1268	11100-14-4	NC	NA	0.039 U	0.04 U	NA	0.039 U	NA	0.039 U	0.04 U	0.039 U
Aroclor-1016	12674-11-2	NC	0.062 U	0.039 U	0.04 U	0.074 U	0.039 U	0.049 U	0.039 U	0.04 U	0.039 U
Aroclor-1221	11104-28-2	NC	0.062 U	0.039 U	0.04 U	0.074 U	0.039 U	0.049 U	0.039 U	0.04 U	0.039 U
Aroclor-1232	11141-16-5	NC	0.062 U	0.039 U	0.04 U	0.074 U	0.039 U	0.049 U	0.039 U	0.04 U	0.039 U
Aroclor-1242	53469-21-9	NC	0.062 U	0.039 U	0.04 U	0.074 U	0.039 U	0.049 U	0.039 U	0.04 U	0.039 U
Aroclor-1248	12672-29-6	NC	0.062 U	0.039 U	0.04 U	0.074 U	0.039 U	0.049 U	0.039 U	0.04 U	0.039 U
Aroclor-1254	11097-69-1	NC	0.062 U	0.039 U	0.04 U	0.074 U	0.039 U	0.049 U	0.039 U	0.04 U	0.039 U
Aroclor-1260	11096-82-5	NC	0.025 J	0.039 U	0.04 U	0.074 U	0.039 U	0.049 U	0.039 U	0.04 U	0.039 U
PCB-1262	37324-23-5	NC	NA	0.039 U	0.04 U	NA	0.039 U	NA	0.039 U	0.04 U	0.039 U
Total PCBs	1336-36-3	0.1	0.025 J	0.039 U	0.04 U	0.074 U	0.039 U	0.049 U	0.039 U	0.04 U	0.039 U

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
mg/kg - milligrams per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample

T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample locations where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 9D - Subsurface Soil Results Compared to Unrestricted SCOs
PCBs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SB-139	SB-141	SB-142	SB-143[BB]	SB-144	SB-145	SB-147	SB-148
		Sample ID	SB-139-8-9.7-030116	SB-141-7-8-030116	SB-142-11-12-030116	SB-143-3-4-030116	SB-144-1-1.8-030116	SB-145-25.4-26.1-030916	SB-147-10-11.4-042216	SB-148-8-9.2-040616
		Sample Date	3/1/2016	3/1/2016	3/1/2016	3/1/2016	3/1/2016	3/9/2016	4/22/2016	4/7/2016
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Lab SDG	2127346	2127346	2127346	2127346	2127346	2130254	2139069	2136537
		Start Depth	8	7	11	3	1	25.4	10	8
		End Depth	9.7	8	12	4	1.8	26.1	11	9.2
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]								
PCBs										
Aroclor 1268	11100-14-4	NC	0.039 U	0.038 U	0.04 U	0.043 U	0.039 U	0.043 U	NA	0.043 UJ
Aroclor-1016	12674-11-2	NC	0.039 U	0.038 U	0.04 U	0.043 U	0.039 U	0.043 U	0.045 U	0.043 UJ
Aroclor-1221	11104-28-2	NC	0.039 U	0.038 U	0.04 U	0.043 U	0.039 U	0.043 U	0.045 U	0.043 UJ
Aroclor-1232	11141-16-5	NC	0.039 U	0.038 U	0.04 U	0.043 U	0.039 U	0.043 U	0.045 U	0.043 UJ
Aroclor-1242	53469-21-9	NC	0.039 U	0.038 U	0.04 U	0.043 U	0.039 U	0.043 U	0.045 U	0.043 UJ
Aroclor-1248	12672-29-6	NC	0.039 U	0.038 U	0.04 U	0.043 U	0.039 U	0.043 U	0.045 U	0.043 UJ
Aroclor-1254	11097-69-1	NC	0.039 U	0.038 U	0.04 U	0.043 U	0.039 U	0.043 U	0.045 U	0.043 UJ
Aroclor-1260	11096-82-5	NC	0.039 U	0.038 U	0.04 U	0.043 U	0.039 U	0.043 U	0.023 J	0.043 UJ
PCB-1262	37324-23-5	NC	0.039 U	0.038 U	0.04 U	0.043 U	0.039 U	0.043 U	NA	0.043 UJ
Total PCBs	1336-36-3	0.1	0.039 U	0.038 U	0.04 U	0.043 U	0.039 U	0.043 U	0.23 J	0.043 UJ

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
mg/kg - milligrams per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample

T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample locations where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 9D - Subsurface Soil Results Compared to Unrestricted SCOs
PCBs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SB-150	SB-152	SB-154	SB-155	SB-156	SB-158	SB-159	SB-160
		Sample ID	SB-150-3-4-022916	SB-152-6-7-030316	SB-154-15-17-030316	SB-155-2-3-031016	SB-156-16-17-030916	SB-158-16-17.5-030816	SB-159-17-18-030916	SB-160-4-5-030916
		Sample Date	2/29/2016	3/3/2016	3/3/2016	3/10/2016	3/9/2016	3/8/2016	3/9/2016	3/9/2016
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Lab SDG	2127346	2129473	2129473	2130254	2130254	2130254	2130254	2130254
		Start Depth	3	6	15	2	16	16	17	4
		End Depth	4	7	17	3	17	17.5	18	5
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]								
PCBs										
Aroclor 1268	11100-14-4	NC	0.041 U	0.038 U	0.04 U	NA	0.034 U	0.035 U	0.04 U	0.037 U
Aroclor-1016	12674-11-2	NC	0.041 U	0.038 U	0.04 U	0.041 U	0.034 U	0.035 U	0.04 U	0.037 U
Aroclor-1221	11104-28-2	NC	0.041 U	0.038 U	0.04 U	0.041 U	0.034 U	0.035 U	0.04 U	0.037 U
Aroclor-1232	11141-16-5	NC	0.041 U	0.038 U	0.04 U	0.041 U	0.034 U	0.035 U	0.04 U	0.037 U
Aroclor-1242	53469-21-9	NC	0.041 U	0.038 U	0.04 U	0.041 U	0.034 U	0.035 U	0.04 U	0.037 U
Aroclor-1248	12672-29-6	NC	0.041 U	0.038 U	0.04 U	0.041 U	0.034 U	0.035 U	0.04 U	0.037 U
Aroclor-1254	11097-69-1	NC	0.041 U	0.038 U	0.04 U	0.041 U	0.034 U	0.035 U	0.04 U	0.037 U
Aroclor-1260	11096-82-5	NC	0.041 U	0.038 U	0.04 U	0.041 U	0.034 U	0.035 U	0.04 U	0.037 U
PCB-1262	37324-23-5	NC	0.041 U	0.038 U	0.04 U	NA	0.034 U	0.035 U	0.04 U	0.037 U
Total PCBs	1336-36-3	0.1	NA	0.038 U	0.04 U	0.041 U	0.034 U	0.035 U	0.04 U	0.037 U

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
mg/kg - milligrams per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample

T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample locations where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 9D - Subsurface Soil Results Compared to Unrestricted SCOs
PCBs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SB-161	SB-163	SB-166	SB-167	SB-171	SB-172	SB-173	SB-174
		Sample ID	SB-161-24-26-030816	SB-163-13.5-16-030816	SB-166-13-15-030816	SB-167-18-19-030716	SB-171-15-16-022916	SB-172-8.8-9.6-082217	SB-173-12-15-082117	SB-174-12.5-15-082117
		Sample Date	3/8/2016	3/8/2016	3/8/2016	3/7/2016	2/29/2016	8/22/2017	8/21/2017	8/21/2017
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Lab SDG	2130254	2130254	2130254	2129473	2127346	2258101	2258101	2258101
		Start Depth	24	13.5	13	18	15	8.8	12	12.5
		End Depth	26	16	15	19	16	9.6	15	15
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]								
PCBs										
Aroclor 1268	11100-14-4	NC	0.036 U	0.039 U	0.04 U	0.04 U	0.039 U	0.036 U	0.038 U	0.043 U
Aroclor-1016	12674-11-2	NC	0.036 U	0.039 U	0.04 U	0.04 U	0.039 U	0.036 U	0.038 U	0.043 U
Aroclor-1221	11104-28-2	NC	0.036 U	0.039 U	0.04 U	0.04 U	0.039 U	0.036 U	0.038 U	0.043 U
Aroclor-1232	11141-16-5	NC	0.036 U	0.039 U	0.04 U	0.04 U	0.039 U	0.036 U	0.038 U	0.043 U
Aroclor-1242	53469-21-9	NC	0.036 U	0.039 U	0.04 U	0.04 U	0.039 U	0.036 U	0.038 U	0.043 U
Aroclor-1248	12672-29-6	NC	0.036 U	0.039 U	0.04 U	0.04 U	0.039 U	0.036 U	0.038 U	0.043 U
Aroclor-1254	11097-69-1	NC	0.036 U	0.039 U	0.04 U	0.04 U	0.039 U	0.036 U	0.038 U	0.043 U
Aroclor-1260	11096-82-5	NC	0.036 U	0.039 U	0.04 U	0.04 U	0.039 U	0.036 U	0.038 U	0.043 U
PCB-1262	37324-23-5	NC	0.036 U	0.039 U	0.04 U	0.04 U	0.039 U	0.036 U	0.038 U	0.043 U
Total PCBs	1336-36-3	0.1	0.036 U	0.039 U	0.04 U	0.04 U	NA	0.036 U	0.038 U	0.043 U

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
mg/kg - milligrams per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample

T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample locations where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 9D - Subsurface Soil Results Compared to Unrestricted SCOs
PCBs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SB-176	SB-179	SB-180	SB-TP-131	SB-TP-139[BB]	SB-TP-139[BB]	SB-TP-144	SB-TP-147
		Sample ID	SB-176-6-7-041216	SB-179-6.2-7-030416	SB-180-14-14.7-030416	SB-TP-131-5-7-031516	DUP-001-030716	SB-TP-139-12-14-030716	SB-TP-144-4-6-030916	SB-TP-147-16-18-031016
		Sample Date	4/12/2016	3/4/2016	3/4/2016	3/15/2016	3/7/2016	3/7/2016	3/9/2016	3/10/2016
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Lab SDG	2136537	2129473	2129473	2130900	2129473	2129473	2130254	2130254
		Start Depth	6	6.2	14	5	12	12	4	16
		End Depth	7	7	14.7	7	14	14	6	18
Chemical Name	**CAS #**	**NY Part 375 Unrestricted SCO[1]**								
PCBs										
Aroclor 1268	11100-14-4	NC	0.04 U	0.045 U	0.04 U	0.042 U	0.04 UJ	0.038 U	0.037	0.034 U
Aroclor-1016	12674-11-2	NC	0.04 U	0.045 U	0.04 U	0.042 U	0.04 UJ	0.038 U	0.037 U	0.034 U
Aroclor-1221	11104-28-2	NC	0.04 U	0.045 U	0.04 U	0.042 U	0.04 UJ	0.038 U	0.037 U	0.034 U
Aroclor-1232	11141-16-5	NC	0.04 U	0.045 U	0.04 U	0.042 U	0.04 UJ	0.038 U	0.037 U	0.034 U
Aroclor-1242	53469-21-9	NC	0.04 U	0.045 U	0.04 U	0.042 U	0.04 UJ	0.038 U	0.037 U	0.034 U
Aroclor-1248	12672-29-6	NC	0.04 U	0.045 U	0.04 U	0.042 U	0.04 UJ	0.038 U	0.037 U	0.034 U
Aroclor-1254	11097-69-1	NC	0.04 U	0.045 U	0.04 U	0.042 U	0.04 UJ	0.038 U	0.037 U	0.034 U
Aroclor-1260	11096-82-5	NC	0.04 U	0.045 U	0.04 U	0.042 U	0.04 UJ	0.038 U	0.037 U	0.034 U
PCB-1262	37324-23-5	NC	0.04 U	0.045 U	0.04 U	0.042 U	0.04 UJ	0.038 U	0.037	0.034 U
Total PCBs	1336-36-3	0.1	0.04 U	0.045 U	0.04 U	0.042 U	0.04 UJ	0.038 U	0.074	0.034 U

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
mg/kg - milligrams per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample

T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample locations where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 9D - Subsurface Soil Results Compared to Unrestricted SCOs
PCBs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	TP-100	TP-103	TP-103	TP-104	TP-105	TP-107	TP-108	TP-109[BB]	TP-112
		Sample ID	TP-100-2-4-012116	DUP-008-012116	TP-103-0-2-012116	TP-104-0-2-012216	TP-105-4.5-6.5-012216	TP-107-0-2-012216	TP-108-0-1.5-012516	TP-109-4-4.5-012516	TP-112-3.5-4-012516
		Sample Date	1/21/2016	1/21/2016	1/21/2016	1/22/2016	1/22/2016	1/22/2016	1/25/2016	1/25/2016	1/25/2016
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Lab SDG	R1600468	R1600468	R1600468	R1600468	R1600468	R1600468	R1600634	R1600634	R1600634
		Start Depth	2	0	0	0	4.5	0	0	4	3.5
		End Depth	4	2	2	2	6.5	2	1.5	4.5	4
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]									
PCBs											
Aroclor 1268	11100-14-4	NC	0.045 U	0.037 U	0.036 U	0.042 U	0.047 U	0.043 U	0.042 U	0.042 U	0.043 U
Aroclor-1016	12674-11-2	NC	0.045 U	0.037 U	0.036 U	0.042 U	0.047 U	0.043 U	0.042 U	0.042 U	0.043 U
Aroclor-1221	11104-28-2	NC	0.091 U	0.075 U	0.074 U	0.086 U	0.095 U	0.088 U	0.085 U	0.084 U	0.087 U
Aroclor-1232	11141-16-5	NC	0.045 U	0.037 U	0.036 U	0.042 U	0.047 U	0.043 U	0.042 U	0.042 U	0.043 U
Aroclor-1242	53469-21-9	NC	0.045 U	0.037 U	0.036 U	0.042 U	0.047 U	0.043 U	0.042 U	0.042 U	0.043 U
Aroclor-1248	12672-29-6	NC	0.045 U	0.037 U	0.036 U	0.042 U	0.047 U	0.043 U	0.042 U	0.042 U	0.043 U
Aroclor-1254	11097-69-1	NC	0.045 U	0.037 U	0.036 U	0.042 U	0.047 U	0.043 U	0.042 U	0.042 U	0.043 U
Aroclor-1260	11096-82-5	NC	0.045 U	0.037 U	0.036 U	0.042 U	0.047 U	0.056	0.042 U	0.042 U	0.043 U
PCB-1262	37324-23-5	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	1336-36-3	0.1	ND	ND	ND	ND	ND	0.056	ND	ND	ND

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
mg/kg - milligrams per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample

T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample locations where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 9D - Subsurface Soil Results Compared to Unrestricted SCOs
PCBs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	TP-113	TP-114	TP-116	TP-117	TP-119	TP-120	TP-120	TP-122	TP-123
		Sample ID	TP-113-1.5-2-012516	TP-114-4-5-012616	TP-116-7-8-011516	TP-117-1.5-2-011516	TP-119-5-6-012616	DUP-009-012616	TP-120-4-4.5-012616	TP-122-7-8-012716	TP-123-4.5-5-012616
		Sample Date	1/25/2016	1/26/2016	1/15/2016	1/15/2016	1/26/2016	1/26/2016	1/26/2016	1/27/2016	1/26/2016
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Lab SDG	R1600634	R1600634	R1600468	R1600468	R1600634	R1600634	R1600634	R1600634	R1600634
		Start Depth	1.5	4	7	1.5	5	4	4	7	4.5
		End Depth	2	5	8	2	6	4.5	4.5	8	5
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]									
PCBs											
Aroclor 1268	11100-14-4	NC	0.036 U	0.049U	0.040 U	0.041 U	0.049 U	0.041 U	0.041 U	0.042 U	0.040 U
Aroclor-1016	12674-11-2	NC	0.036 U	0.049U	0.040 U	0.041 U	0.049 U	0.041 U	0.041 U	0.042 U	0.040 U
Aroclor-1221	11104-28-2	NC	0.073 U	0.099 U	0.082 U	0.083 U	0.100 U	0.084 U	0.083 U	0.084 U	0.082 U
Aroclor-1232	11141-16-5	NC	0.036 U	0.049U	0.040 U	0.041 U	0.049 U	0.041 U	0.041 U	0.042 U	0.040 U
Aroclor-1242	53469-21-9	NC	0.036 U	0.049U	0.040 U	0.041 U	0.049 U	0.041 U	0.041 U	0.042 U	0.040 U
Aroclor-1248	12672-29-6	NC	0.036 U	0.049U	0.040 U	0.041 U	0.049 U	0.041 U	0.041 U	0.042 U	0.040 U
Aroclor-1254	11097-69-1	NC	0.036 U	0.049U	0.040 U	0.041 U	0.049 U	0.041 U	0.041 U	0.042 U	0.040 U
Aroclor-1260	11096-82-5	NC	0.036 U	0.049U	0.040 U	0.041 U	0.049 U	0.041 U	0.041 U	0.042 U	0.040 U
PCB-1262	37324-23-5	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	1336-36-3	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
mg/kg - milligrams per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample

T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample locations where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 9D - Subsurface Soil Results Compared to Unrestricted SCOs
PCBs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	TP-124	TP-126	TP-127	TP-129	TP-129	TP-130	TP-132	TP-135	TP-137
		Sample ID	TP-124-7.5-8-012616	TP-126-2-3-012716	TP-127-8-8.5-012716	DUP-010-012816	TP-129-4-4.5-012816	TP-130-9.5-10-012816	TP-132-3-3.5-012816	TP-135-2-3-012916	TP-137-9.5-10-012916
		Sample Date	1/26/2016	1/27/2016	1/27/2016	1/28/2016	1/28/2016	1/28/2016	1/28/2016	1/29/2016	1/29/2016
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Lab SDG	R1600634	R1600634	R1600634	R1600810	R1600810	R1600810	R1600810	R1600810	R1600810
		Start Depth	7.5	2	8	4	4	9.5	3	2	9.5
		End Depth	8	3	8.5	4.5	4.5	10	3.5	3	10
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]									
PCBs											
Aroclor 1268	11100-14-4	NC	0.041 U	0.048 U	0.057 U	0.044 U	0.045 U	0.044 U	0.040 U	0.040 U	0.041 U
Aroclor-1016	12674-11-2	NC	0.041 U	0.048 U	0.057 U	0.044 U	0.045 U	0.044 U	0.040 U	0.040 U	0.041 U
Aroclor-1221	11104-28-2	NC	0.084 U	0.098 U	0.120 U	0.089 U	0.091 U	0.090 U	0.082 U	0.081 U	0.083 U
Aroclor-1232	11141-16-5	NC	0.041 U	0.048 U	0.057 U	0.044 U	0.045 U	0.044 U	0.040 U	0.040 U	0.041 U
Aroclor-1242	53469-21-9	NC	0.041 U	0.048 U	0.057 U	0.044 U	0.045 U	0.044 U	0.040 U	0.040 U	0.041 U
Aroclor-1248	12672-29-6	NC	0.041 U	0.048 U	0.057 U	0.044 U	0.045 U	0.044 U	0.040 U	0.040 U	0.041 U
Aroclor-1254	11097-69-1	NC	0.041 U	0.048 U	0.057 U	0.044 U	0.045 U	0.044 U	0.040 U	0.040 U	0.041 U
Aroclor-1260	11096-82-5	NC	0.041 U	0.048 U	0.057 U	0.044 U	0.045 U	0.044 U	0.023 J	0.040 U	0.041 U
PCB-1262	37324-23-5	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	1336-36-3	0.1	ND	ND	ND	ND	ND	ND	0.023 J	ND	ND

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
mg/kg - milligrams per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample

T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample locations where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 9D - Subsurface Soil Results Compared to Unrestricted SCOs
PCBs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	TP-138	TP-140[BB]	TP-141	TP-142	TP-143	TP-148	TP-149[BB]	TP-150[BB]	TP-151
		Sample ID	TP-138-5-6-011516	TP-140-2.5-3-011416	TP-141-4-5-011416	TP-142-0-1-011516	TP-143-4-6.5-011416	TP-148-2-2.5-012516	TP-149-6-8-011416	TP-150-4-6-011316	TP-151-2-4-011316
		Sample Date	1/15/2016	1/14/2016	1/14/2016	1/15/2016	1/14/2016	1/25/2016	1/14/2016	1/13/2016	1/13/2016
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Lab SDG	R1600468	R1600423	R1600423	R1600468	R1600423	R1600634	R1600423	R1600375	R1600375
		Start Depth	5	2.5	4	0	4	2	6	4	2
		End Depth	6	3	5	1	6.5	2.5	8	6	4
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]									
PCBs											
Aroclor 1268	11100-14-4	NC	0.040 U	0.045 U	0.038 U	0.041 U	0.057 U	0.040 U	0.046 U	0.044 U	0.038 U
Aroclor-1016	12674-11-2	NC	0.040 U	0.045 U	0.038 U	0.041 U	0.057 U	0.040 U	0.046 U	0.044 U	0.038 U
Aroclor-1221	11104-28-2	NC	0.081 U	0.081 U	0.077 U	0.082 U	0.120 U	0.081 U	0.094 U	0.090 U	0.077 U
Aroclor-1232	11141-16-5	NC	0.040 U	0.045 U	0.038 U	0.041 U	0.057 U	0.040 U	0.046 U	0.044 U	0.038 U
Aroclor-1242	53469-21-9	NC	0.040 U	0.045 U	0.038 U	0.041 U	0.057 U	0.040 U	0.046 U	0.044 U	0.038 U
Aroclor-1248	12672-29-6	NC	0.040 U	0.045 U	0.038 U	0.041 U	0.057 U	0.040 U	0.046 U	0.044 U	0.038 U
Aroclor-1254	11097-69-1	NC	0.040 U	0.045 U	0.038 U	0.041 U	0.057 U	0.040 U	0.046 U	0.044 U	0.038 U
Aroclor-1260	11096-82-5	NC	0.040 U	0.045 U	0.038 U	0.041 U	0.057 U	0.040 U	0.046 U	0.044 U	0.038 U
PCB-1262	37324-23-5	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	1336-36-3	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
mg/kg - milligrams per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample

T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample locations where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 9D - Subsurface Soil Results Compared to Unrestricted SCOs
PCBs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	TP-152
		Sample ID	TP-152-2.5-3-012916
		Sample Date	1/29/2016
		Unit	mg/kg
		Lab SDG	R1600810
		Start Depth	2.5
		End Depth	3
Chemical Name	**CAS #**	**NY Part 375 Unrestricted SCO[1]**	
PCBs			
Aroclor 1268	11100-14-4	NC	0.042 U
Aroclor-1016	12674-11-2	NC	0.042 U
Aroclor-1221	11104-28-2	NC	0.085 U
Aroclor-1232	11141-16-5	NC	0.042 U
Aroclor-1242	53469-21-9	NC	0.042 U
Aroclor-1248	12672-29-6	NC	0.042 U
Aroclor-1254	11097-69-1	NC	0.042 U
Aroclor-1260	11096-82-5	NC	0.042 U
PCB-1262	37324-23-5	NC	NA
Total PCBs	1336-36-3	0.1	ND

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
mg/kg - milligrams per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample

T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.
[BB] = Sample locations where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 9E - Subsurface Soil Results Compared to Unrestricted SCOs
Inorganics
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	OVR-100	OVR-107	OVR-108	OVR-109	OVR-109	OVR-116	OVR-117	OVR-118
		Sample ID	OVR-100-6-7-04222016	OVR-107-10-11-041216	OVR-108-4.1-5.4-041316	DUP-004-041116	OVR-109-10-11.8-041116	OVR-116-10-11.9-040116	OVR-117-7-7.6-040716	OVR-118-0.5-1-041316
		Sample Date	4/22/2016	4/12/2016	4/13/2016	4/11/2016	4/11/2016	4/1/2016	4/7/2016	4/13/2016
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Lab SDG	R1603557	R1603190	R1603557	R1603190	R1603190	R1603031	R1603190	R1603557
		Start Depth	6	10	4.1	10	10	10	7	0.5
		End Depth	7	11	5.4	11.8	11.8	11.9	7.6	1
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]								
Inorganics										
Aluminum	7429-90-5	NC	8,060 J	8,080	14,900 J	5,630	6,760	6,330	12,900	6,950 J
Antimony	7440-36-0	NC	7.8 UJ	7.3 UJ	7.8 UJ	7.6 UJ	7.2 UJ	7.1 U	6.7 UJ	0.614 J
Arsenic	7440-38-2	13	12.2 J	5.8	6.3	7	4.9	4.6	46.6	12 J
Barium	7440-39-3	350	110	49.8	135	36.1	39.8	43.6	55.7	51.9
Beryllium	7440-41-7	7.2	0.689	0.374	0.828	0.28 J	0.347 J	0.331 J	0.156 J	0.58
Cadmium	7440-43-9	2.5	0.442 J	0.29 J	0.686	0.191 J	0.359 J	0.591 U	0.111 J	1.2
Calcium	7440-70-2	NC	15,400 J	4,970	3,290	1,350	1,960	1,960	1,280	41,200 J
Chromium	7440-47-3	1*	14.5	13.6	20.7	9.7	11.7	9.9	9.8	7
Cobalt	7440-48-4	NC	9.4	8.8	10.8	5.6 J	8.9	7.7	2.6 J	32.7
Copper	7440-50-8	50	55.9 J	16.7	14.9 J	10.7	14.9	11.7	6.6	88.2 J
Cyanide	57-12-5	27	0.12 U	0.04 J	0.13 U	0.02 J	0.1 U	0.11 U	0.083 J	0.11 U
Iron	7439-89-6	NC	23,200	21,200	34,800	16,200	17,800	15,400	13,200	17,600
Lead	7439-92-1	63	114 J	9.8	13.9 J	6.5	9.2	8.9	36.8	147 J
Magnesium	7439-95-4	NC	6,850	4,320	4,070	1,990	2,470	2,590	1,030	19,100
Manganese	7439-96-5	1,600	253 J	173	183 J	188	404	150	85.7	358
Mercury	7439-97-6	0.18	0.768	0.01 J	0.032 J+	0.007 J	0.014 J	0.013 J	0.131	0.362 J+
Nickel	7440-02-0	30	20.4	18	24.5	14.4	18.4	15.7	1.1 J	54.7
Potassium	7440-09-7	NC	1,350 J	936	1,060 J	731	801	809	3,350	785 J
Selenium	7782-49-2	3.9	1.4 J	1.2 U	1.3 UJ	1.3 U	1.2 U	1.2 U	1.1 U	0.888 J
Silver	7440-22-4	2	0.208 J	1.2 U	1.3 U	1.3 U	1.2 U	1.2 U	1.1 U	0.262 J
Sodium	7440-23-5	NC	162	121 U	40.3 J	33.8 J	36.4 J	33.8 J	69.8 J	99 J
Thallium	7440-28-0	NC	1.3 U	1.2 U	1.3 U	1.3 U	1.2 U	1.2 U	1.1 U	1.1 U
Vanadium	7440-62-2	NC	21.1	13.3	29.3	10.2	12.3	14.6	13.3	12.7
Zinc	7440-66-6	109	125 J	54.2	60.6 J	40.8	47.7	42.9	24.4	366 J

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
mg/kg - milligrams per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.
*- Chromium criteria is haxavalent chromium to be conservative. Results are Total Chromium.
[BB] = Sample locations where "bone black" or "activated carbon" type material was analyzed.
Exceeds Unrestricted SCO listed in Part 375.

Table 9E - Subsurface Soil Results Compared to Unrestricted SC
Inorganics
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SB-100	SB-101	SB-103	SB-104	SB-105	SB-106	SB-107	SB-108
		Sample ID	SB-100-9-10-031016	SB-101-12.5-14-031016	SB-103-4.8-5.8-030416	SB-104-12-13-030316	SB-105-11-12-031016	SB-106-5-6-030316	SB-107-6-7-030316	SB-108-5.8-6.4-030316
		Sample Date	3/10/2016	3/10/2016	3/4/2016	3/3/2016	3/10/2016	3/3/2016	3/3/2016	3/3/2016
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Lab SDG	R1602058	R1602058	R1601955	R1601955	R1602058	R1601955	R1601955	R1601955
		Start Depth	9	12.5	4.8	12	11	5	6	5.8
		End Depth	10	14	5.8	13	12	6	7	6.4
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]								
Inorganics										
Aluminum	7429-90-5	NC	6,270	6,740	7,650	5,170	13,600	7,170	6,670	6,880
Antimony	7440-36-0	NC	8.9 UJ	7.9 UJ	7.6 UJ	7.3 UJ	10.2 UJ	7.4 UJ	7.2 UJ	7.5 UJ
Arsenic	7440-38-2	13	12.5	3.8	58.3	3.5	85.4	8.9	3	5.1
Barium	7440-39-3	350	138	50.1	130	31.7	87.5	49.8	48	49.2
Beryllium	7440-41-7	7.2	0.665	0.324 J	0.758	0.257 J	0.69	0.356 J	0.25 J	0.326 J
Cadmium	7440-43-9	2.5	0.744 U	0.658 U	0.467 J	0.11 J	0.755 J	0.27 J	0.072 J	0.188 J
Calcium	7440-70-2	NC	17,600	35,300	12,700	1,250	25,600	56,300	2,520	14,600
Chromium	7440-47-3	1*	12.8	9.8	21.8	7.5	20.5	14.3	9.6	8.8
Cobalt	7440-48-4	NC	7 J	5.4 J	17.2	5.2 J	24.3	4 J	3.5 J	5.8 J
Copper	7440-50-8	50	50.8	10.1	107	12.3	41.5	25.8	12.1	13.1
Cyanide	57-12-5	27	0.13 U	0.08 J	0.22	0.11 U	0.11 J	0.19	0.04 J	0.08 J
Iron	7439-89-6	NC	10,400	18,000	40,200	14,700	91,100	14,000	13,500	16,200
Lead	7439-92-1	63	685	23.5	120 J	7.2 J	8.5 U	31.3 J	9.5 J	29.9 J
Magnesium	7439-95-4	NC	7,100	4,080	6,920	1,630	6,450	13,300	1,740	7,560
Manganese	7439-96-5	1,600	201	180	244	129	547	291	82.6	222
Mercury	7439-97-6	0.18	1.2	0.073	0.31	0.038 U	0.069	2.4	0.014 J	0.495
Nickel	7440-02-0	30	15.9	11.7	25.6	13.6	6.8 U	9.4	8.3	10.8
Potassium	7440-09-7	NC	754	921	1190 J	780 J	1,820	1080 J	1030 J	822 J
Selenium	7782-49-2	3.9	5.1	1.3 U	1.4	1.2 U	17 U	1.2 U	1.2 U	1.3 U
Silver	7440-22-4	2	2.8	13 U	0.24 J	1.2 U	1.7 U	0.172 J	0.06 J	0.088 J
Sodium	7440-23-5	NC	219	95.3 J	209	40.2 J	132 J	213	58.4 J	52.5 J
Thallium	7440-28-0	NC	1.5 U	1.3 U	1.3 U	1.2 U	16.9 U	0.859 J	1.2 U	1.3 U
Vanadium	7440-62-2	NC	23.6	11.9	27.4	10.5	27.6	20.3	14.6	13.7
Zinc	7440-66-6	109	430	52.5	120 J	33.7 J	89.6	61.2 J	39.3 J	70.5 J

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
mg/kg - milligrams per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.
*- Chromium criteria is haxavalent chromium to be conservative. Results are Total Chromium.
[BB] = Sample locations where "bone black" or "activated carbon" type material was a
Exceeds Unrestricted SCO listed in Part 375.

Table 9E - Subsurface Soil Results Compared to Unrestricted SC
Inorganics
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SB-109	SB-111	SB-112	SB-113	SB-113[BB]	SB-113	SB-114	SB-115
		Sample ID	SB-109-8-9-030216	SB-111-6-7-031016	SB-112-0.5-2.0-082217	DUP-002-031416	SB-113-1-2-031416	SB-113-4.5-6.5-031416	SB-114-2-2.5-030216	SB-115-5.6-6.7-030216
		Sample Date	3/2/2016	3/10/2016	8/22/2017	3/14/2016	3/14/2016	3/14/2016	3/2/2016	3/2/2016
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Lab SDG	R1601741	R1602058	R1707777	R1602239	R1602239	R1602239	R1601741	R1601741
		Start Depth	8	6	0.5	4.5	1	4.5	2	5.6
		End Depth	9	7	2	6.5	2	6.5	2.5	6.7
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]								
Inorganics										
Aluminum	7429-90-5	NC	7,480	2,340	13,400	13,300	17,200	27,600	5,670	4,160
Antimony	7440-36-0	NC	7.4 UJ	6.6 UN	7.5 U	7.5 UJ	7.3 UJ	10.1 UJ	6.8 UJ	7.4 UJ
Arsenic	7440-38-2	13	8	7.9	11.1	6.9	5.2	46.7	113	8.1
Barium	7440-39-3	350	50.1	31	168	88.8	117	22.4	60.8	80.5
Beryllium	7440-41-7	7.2	0.405	0.139 J	0.673	0.603	0.617	1.2	0.296 J	0.135 J
Cadmium	7440-43-9	2.5	0.27 J	0.554 U	0.623 U	0.201 U	0.605 U	1.1	0.513 J	0.135 J
Calcium	7440-70-2	NC	7,410	25,700	2,800	17400 J	6020 J	18,500 J	3,750	18,300
Chromium	7440-47-3	1*	11.6	4.6	16.7	18.5	22	58.8	13.4	7
Cobalt	7440-48-4	NC	8.5	2.5 J	11.1	9.3	10	12.8	5.1 J	2.5 J
Copper	7440-50-8	50	20.9	4.8	19.1	11.4	13.1	30	30.6	20.2
Cyanide	57-12-5	27	0.03 J	0.097 U	0.06 J	0.05 J	0.05 J	0.71	0.067 J	0.42
Iron	7439-89-6	NC	19,900	8,210	29,700	24,400	28,600	33,300	29,000	9,670
Lead	7439-92-1	63	52.7	55 U	54.9	10.4	9.8	17.2	18.6	47.9
Magnesium	7439-95-4	NC	4,880	8,680	4,030	5,560	5,150 J	25,100 J	2,500	2,450
Manganese	7439-96-5	1,600	412	163	605	333 J	272 J	2,680 N	70.2	116
Mercury	7439-97-6	0.18	0.039	0.004 J	0.046	0.01 J	0.021 J	0.006 J	0.042	0.67
Nickel	7440-02-0	30	20.2	44 U	24.1	19	22.1	29.2	11.9	6
Potassium	7440-09-7	NC	742	497	1,450	1,790	1,700	2,970	804	729
Selenium	7782-49-2	3.9	1.2 U	1.1 U	1.1 J	1.3 U	1.2 U	1.7 U	0.533 J	1.2 U
Silver	7440-22-4	2	0.111 J	0.629 J	1.3 U	0.101 J	0.073 J	0.185 J	0.091 J	0.086 J
Sodium	7440-23-5	NC	38.2 J	113	226	105 J	85.3 J	548	65.3 J	56.8 J
Thallium	7440-28-0	NC	1.2 U	1.1 U	1.3 U	1.3 U	1.2 U	1.7 U	1.1 U	1.2 U
Vanadium	7440-62-2	NC	14.1	8	22.5	26.5	29.8	54.9	18.6	10.5
Zinc	7440-66-6	109	66.1	18.5	88.2	45.7	48.4	135	59.8	84.6

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
mg/kg - milligrams per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.
*- Chromium criteria is haxavalent chromium to be conservative. Results are Total Chromium.
[BB] = Sample locations where "bone black" or "activated carbon" type material was a
Exceeds Unrestricted SCO listed in Part 375.

Table 9E - Subsurface Soil Results Compared to Unrestricted SC
Inorganics
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SB-116	SB-117	SB-117	SB-119	SB-121	SB-122	SB-123	SB-125
		Sample ID	SB-116-5.7-6.5-030216	DUP-003-030216	SB-117-5.9-7-030216	SB-119-4.5-6-031116	SB-121-2-2.5-031416	SB-122-7-8-022916	SB-123-6-7-031416	SB-125-5-7-031416
		Sample Date	3/2/2016	3/2/2016	3/2/2016	3/11/2016	3/14/2016	2/29/2016	3/14/2016	3/14/2016
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Lab SDG	R1601741	R1601741	R1601741	R1602239	R1602239	R1601741	R1602239	R1602239
		Start Depth	5.7	5.9	5.9	4.5	2	7	6	5
		End Depth	6.5	7	7	6	2.5	8	7	7
Chemical Name	**CAS #**	**NY Part 375 Unrestricted SCO[1]**								
Inorganics										
Aluminum	7429-90-5	NC	8,420	9,010	8,420	11,600	5,530	8,920	5,590	10,300
Antimony	7440-36-0	NC	8 UJ	8.1 UJ	7.8 UJ	7.1 UJ	7.1 UJ	7.1 UJ	7.1 UJ	7.4 UJ
Arsenic	7440-38-2	13	8.6	6.4	4.4	3.1	19.7	9.3	3.1	8.5
Barium	7440-39-3	350	87	60.4	62	65	67.4	50.6	48.7	80.9
Beryllium	7440-41-7	7.2	0.268 J	0.47	0.429	0.536	0.662	0.473	0.273 J	0.556
Cadmium	7440-43-9	2.5	0.161 J	0.228 J	0.182 J	0.595 U	0.591 U	0.249 J	0.593 U	0.617 U
Calcium	7440-70-2	NC	1,890	4,130	3,950	2470 J	8,480 J	1,560	1,450	1,740 J
Chromium	7440-47-3	1*	12.6	11.6	10.6	16.6	11	13.2	9.2	15.2
Cobalt	7440-48-4	NC	4.8 J	5.1 J	4.9 J	8.7	9.1	8.3	5.7 J	9.4
Copper	7440-50-8	50	12.5	10.7	9.5	17.1	43.3	15.6	10	16.3
Cyanide	57-12-5	27	0.22	0.07 J	0.06 J	0.04 J	0.08 J	0.03 J	0.03 J	0.05 J
Iron	7439-89-6	NC	19,400	14,500	14,200	22,000	51,500	23,900	15,200	26,500
Lead	7439-92-1	63	16.5	13.2	12.1	10.2	82.2	10.6	7.5	12.1
Magnesium	7439-95-4	NC	2,650	3,230	3,040	4,090 J	3,670 J	2,970	2,070	3,320
Manganese	7439-96-5	1,600	144	179	246	218 N	274 N	255	136	188 J
Mercury	7439-97-6	0.18	0.035 J	0.06	0.105	0.015 J	0.14	0.017 J	0.005 J	0.021 J
Nickel	7440-02-0	30	12.3	13.7	12.6	25.1	19.5	20.9	15	21.8
Potassium	7440-09-7	NC	1,050	1,190	952	1,020	759	912	752	973
Selenium	7782-49-2	3.9	0.434 J	1.3 U	1.3 U	1.2 U	1.2 J	1.2 U	1.2 U	1.2 U
Silver	7440-22-4	2	0.094 J	0.067 J	1.3 U	0.071 J	0.224 J	0.083 J	1.2 U	1.2 U
Sodium	7440-23-5	NC	50.5 J	56.3 J	52.9 J	43.2 J	115 J	35 J	48.6 J	46.7 J
Thallium	7440-28-0	NC	1.3 U	1.3 U	1.3 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Vanadium	7440-62-2	NC	18.5	14.5	13.3	16.2	15.6	16.7	11.7	18.3
Zinc	7440-66-6	109	37.1	49.5	44.2	68.3	69.8	47.8	37.7	57.5

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
mg/kg - milligrams per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.
*- Chromium criteria is haxavalent chromium to be conservative. Results are Total Chromium.
[BB] = Sample locations where "bone black" or "activated carbon" type material was a
Exceeds Unrestricted SCO listed in Part 375.

Table 9E - Subsurface Soil Results Compared to Unrestricted SC
Inorganics
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SB-126	SB-127	SB-129	SB-131	SB-132	SB-133	SB-134	SB-135
		Sample ID	SB-126-1.5-2-031516	SB-127-10-11-031116	SB-129-4.6-6.6-031516	SB-131-8-10-031116	SB-132-4.5-5-041516	SB-133-4.5-5-041416	SB-134-10-11-031516	SB-135-8-9-041516
		Sample Date	3/15/2016	3/11/2016	3/15/2016	3/11/2016	4/15/2016	4/14/2016	3/15/2016	4/15/2016
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Lab SDG	R1602333	R1602239	R1602333	R1602239	R1603557	R1603557	R1602333	R1603557
		Start Depth	1.5	10	4.6	8	4.5	4.5	10	8
		End Depth	2	11	6.6	10	5	5	11	9
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]								
Inorganics										
Aluminum	7429-90-5	NC	5,740	5,620	10,500	7,400	9,050 J	7,360 J	6,510	4,990 J
Antimony	7440-36-0	NC	7.3 UJ	8 UJ	7.4 UJ	7.2 UJ	0.28 J	2 J	7.3 UJ	2.4 J
Arsenic	7440-38-2	13	11.8	3.7	4.9	6.6	7.8 J	377 J	5.5	135 J
Barium	7440-39-3	350	79.7	25.1	82.5	42.5	62.5	174	37.5	159
Beryllium	7440-41-7	7.2	0.402	0.268 J	0.594	0.381	0.462	0.437 J	0.337 J	0.422
Cadmium	7440-43-9	2.5	0.608 U	0.67 U	0.62 U	0.596 U	0.341 J	0.918	0.611 U	0.49 J
Calcium	7440-70-2	NC	37,000 J	5,230 J	9,570 J	3,640 J	7250 J	20,700 J	1440 J	22,500 J
Chromium	7440-47-3	1*	12.1	8.6	15.3	13.9	12.3	21.8	10	13.5
Cobalt	7440-48-4	NC	4.8 J	6 J	9.8	10.5	8.8	12.8	6.9	5.1 J
Copper	7440-50-8	50	31.6	11.8	14.9	16.2	14.3 J	11,300 J	17	161 J
Cyanide	57-12-5	27	0.04 J	0.03 J	0.04 J	0.03 J	0.12 U	0.23	0.02 J	0.11 U
Iron	7439-89-6	NC	15,700	14,600	18,100	23,800	20,200	42,800	16,800	19,000
Lead	7439-92-1	63	127	6.8	29.7	9.6	14.1 J	376 J	8.6	1,080 J
Magnesium	7439-95-4	NC	17,200	4,180 J	3,930	3,270 J	2,900	6,100	2,350	5,680
Manganese	7439-96-5	1,600	246 J	112 N	236 J	581 N	410 J	545 J	237 J	301 J
Mercury	7439-97-6	0.18	0.537	0.045 U	0.016 J	0.012 J	0.019 J	2.6 J+	0.01 J	1.8
Nickel	7440-02-0	30	12.2	14.4	20.1	22	17.9	17.5 U	16.6	10.2
Potassium	7440-09-7	NC	831	813	1,290	834	813 J	923 J	753	625 J
Selenium	7782-49-2	3.9	1.2 U	1.3 U	1.2 U	1.2 U	1.2 UJ	2.2 J	1.2 U	5.7
Silver	7440-22-4	2	1.2 U	1.3 U	1.2 U	1.2 U	1.2 U	0.612 J	1.2 U	0.436 J
Sodium	7440-23-5	NC	110 J	39.6 J	93.9 J	36.6 J	53.1 J	120 J	54.2 J	169
Thallium	7440-28-0	NC	1.2 U	1.3 U	1.2 U	1.2 U	1.2 U	1.5 U	1.2 U	1.4 U
Vanadium	7440-62-2	NC	15.2	10.7	20.2	13.7	16.1	19.4	13.6	18.6
Zinc	7440-66-6	109	181	39.7	88	48.5	64.5 J	226 J	47.7	203 J

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
mg/kg - milligrams per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.
*- Chromium criteria is haxavalent chromium to be conservative. Results are Total Chromium.
[BB] = Sample locations where "bone black" or "activated carbon" type material was a
Exceeds Unrestricted SCO listed in Part 375.

Table 9E - Subsurface Soil Results Compared to Unrestricted SC
Inorganics
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SB-136	SB-137	SB-138	SB-141	SB-142	SB-143[BB]	SB-144	SB-145
		Sample ID	SB-136-5-7-031116	SB-137-6-8-031116	SB-138-4-4.8-030116	SB-141-7-8-030116	SB-142-11-12-030116	SB-143-3-4-030116	SB-144-1-1.8-030116	SB-145-25.4-26.1-030916
		Sample Date	3/11/2016	3/11/2016	3/1/2016	3/1/2016	3/1/2016	3/1/2016	3/1/2016	3/9/2016
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Lab SDG	R1602239	R1602239	R1601741	R1601741	R1601741	R1601741	R1601741	R1602058
		Start Depth	5	6	4	7	11	3	1	25.4
		End Depth	7	8	4.8	8	12	4	1.8	26.1
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]								
Inorganics										
Aluminum	7429-90-5	NC	12,000	9,220	4,370	7,440	8,660	25,600	7,430	3,350
Antimony	7440-36-0	NC	7.1 UJ	7.4 UJ	8 UJ	8.1 UJ	7.4 UJ	8 UJ	7.1 UJ	7.2 UJ
Arsenic	7440-38-2	13	6.3	6.4	4.8	4.5	5	26.7	5.1	8.1
Barium	7440-39-3	350	98.9	49.4	28.4	61.2	58.9	59.3	52.1	13.3
Beryllium	7440-41-7	7.2	0.627	0.456	0.24 J	0.338 J	0.383	1.4	0.389	0.218 J
Cadmium	7440-43-9	2.5	0.591 U	0.616 U	0.507 J	0.189 J	0.222 J	1.4	0.224 J	0.601 U
Calcium	7440-70-2	NC	2,260 J	2,920 J	97,700	28,100	1,640	59,300	3,730	18,500
Chromium	7440-47-3	1*	17.6	13.8	6.6	10.1	12.5	70.2	129	5
Cobalt	7440-48-4	NC	10.3	9.6	4.3 J	4.7 J	17.7	4.7 J	6.4	4.7 J
Copper	7440-50-8	50	16.6	17.5	11.6	11.9	10.7	7.8	22.1	6
Cyanide	57-12-5	27	0.05 J	0.05 J	0.02 J	0.08 J	0.02 J	0.27	0.05 J	0.12 U
Iron	7439-89-6	NC	29,700	22,800	13,200	14,400	23,400	16,800	16,300	9,640
Lead	7439-92-1	63	11.6	11	20.9	9	8.7	16.3	59	6
Magnesium	7439-95-4	NC	3,700 J	3,530 J	48,800	7,760	2,580	25,300	2,490	12,300
Manganese	7439-96-5	1,600	317 N	424 N	689	390	834	365	228	151
Mercury	7439-97-6	0.18	0.019 J	0.012 J	0.023 J	0.028 J	0.012 J	0.017 J	2.6	0.008 J
Nickel	7440-02-0	30	25.1	23.6	8.2	11.8	19.8	14.5	12.8	9.2
Potassium	7440-09-7	NC	858	909	766	1,170	953	3,090	936	629
Selenium	7782-49-2	3.9	1.2 U	1.2 U	0.723 J	1.4 U	0.49 J	0.391 J	1.2 U	1.2 U
Silver	7440-22-4	2	0.083 J	1.2 U	0.24 J	0.068 J	0.062 J	0.24 J	0.118 J	12 U
Sodium	7440-23-5	NC	52.2 J	60 J	193	90.1 J	26 J	638	40.7 J	56 J
Thallium	7440-28-0	NC	1.2 U	1.2 U	13.3 U	1.4 U	12.4 U	1.3 U	1.2 U	1.2 U
Vanadium	7440-62-2	NC	19.4	15.1	11.3	15.8	15.1	61.3	16.8	9.1
Zinc	7440-66-6	109	64.3	58.7	112	41.7	51.3	58.1	69	30.1

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
mg/kg - milligrams per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.
*- Chromium criteria is haxavalent chromium to be conservative. Results are Total Chromium.
[BB] = Sample locations where "bone black" or "activated carbon" type material was a
Exceeds Unrestricted SCO listed in Part 375.

Table 9E - Subsurface Soil Results Compared to Unrestricted SC
Inorganics
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SB-146	SB-147	SB-148	SB-149	SB-149[BB]	SB-150	SB-151	SB-152
		Sample ID	SB-146-6-8-030216	SB-147-10-11.4-042216	SB-148-8-9.2-040716	SB-149-10-11-040616	SB-149-4-5-040616	SB-150-3-4-022916	SB-151-16.6-17.2-030316	SB-152-6-7-030316
		Sample Date	3/2/2016	4/22/2016	4/7/2016	4/6/2016	4/6/2016	2/29/2016	3/3/2016	3/3/2016
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Lab SDG	R1601741	R1603557	R1603190	R1603190	R1603190	R1601741	R1601955	R1601955
		Start Depth	6	10	8	10	4	3	16.6	6
		End Depth	8	11	9.2	11	5	4	17.2	7
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]								
Inorganics										
Aluminum	7429-90-5	NC	8,100	5170 J	5,640	8,150	22,600	5,270	2,610	6,590
Antimony	7440-36-0	NC	7.3 UJ	8 UJ	7.4 UJ	7.2 UJ	10 UJ	7.4 UJ	6.7 UJ	8 UJ
Arsenic	7440-38-2	13	7	7.2 J	5	8.9	32.1	15	3	40.2
Barium	7440-39-3	350	42.5	17.8	37.8	46.2	34.2	155	22.5	151
Beryllium	7440-41-7	7.2	0.471	0.254 J	0.335 J	0.408	0.837	0.447	0.1 J	0.398
Cadmium	7440-43-9	2.5	0.193 J	0.267 J	0.186 J	0.18 J	1.2	0.484 J	0.045 J	0.199 J
Calcium	7440-70-2	NC	1,910	1,030 J	1,190	1,320	49,700	12,300	56,200	11,500
Chromium	7440-47-3	1*	12.4	8.6	10.2	17.4	54.7	23.2	3.8	11.8
Cobalt	7440-48-4	NC	6.6	8.2	6.1 J	5.5 J	2.7 J	5.3 J	2.3 J	5 J
Copper	7440-50-8	50	8.7	9.5 J	12.7	16.2	9.8	49.4	6.6	20.7
Cyanide	57-12-5	27	0.03 J	0.11 U	0.07 J	0.1 J	0.33	0.042 J	0.03 J	0.15
Iron	7439-89-6	NC	23,600	12,100	17,000	22,100	14,700	22,000	7,060	28,800
Lead	7439-92-1	63	10.7	7.6 J	9.6	5.9 J	17.1	484	4.5 J	42.7 J
Magnesium	7439-95-4	NC	2,720	2,090	1,970	2,570	28,500	5,160	17,800	3,610
Manganese	7439-96-5	1,600	390	86.8 J	89.5	248	126	221	285	330
Mercury	7439-97-6	0.18	0.011 J	0.044 U	0.006 J	0.035 J	0.018 J	0.791	0.037 U	0.141
Nickel	7440-02-0	30	18.1	16.8	15.5	18	12.7	13.1	3.4 J	14.9
Potassium	7440-09-7	NC	919	853 J	671	592	2,920	1,030	579 J	528 J
Selenium	7782-49-2	3.9	1.2 U	1.3 UJ	1.2 U	1.2 U	1.1 J	0.358 J	0.759 J	1.3 U
Silver	7440-22-4	2	1.2 U	1.3 U	1.2 U	1.2 U	1.7 U	0.186 J	0.1 J	0.146 J
Sodium	7440-23-5	NC	36.5 J	51 J	34.3 J	39.4 J	770	98.9 J	152	101 J
Thallium	7440-28-0	NC	1.2 U	1.3 U	1.2 U	1.2 U	1.7 U	1.2 U	0.848 J	1.3 U
Vanadium	7440-62-2	NC	16.9	11	12.4	20	53.2	29.7	8.6	17.2
Zinc	7440-66-6	109	48.8	40.3 J	42.8	47	48.9	650	16.2 J	141 J

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
mg/kg - milligrams per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.
*- Chromium criteria is haxavalent chromium to be conservative. Results are Total Chromium.
[BB] = Sample locations where "bone black" or "activated carbon" type material was a
Exceeds Unrestricted SCO listed in Part 375.

Table 9E - Subsurface Soil Results Compared to Unrestricted SC
Inorganics
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SB-154	SB-156	SB-157	SB-158	SB-159	SB-160	SB-161	SB-162
		Sample ID	SB-154-15-17-030316	SB-156-16-17-030916	SB-157-20.5-21.5-030916	SB-158-16-17.5-030816	SB-159-17-18-030916	SB-160-4-5-030916	SB-161-24-26-030816	SB-162-19-20-030816
		Sample Date	3/3/2016	3/9/2016	3/9/2016	3/8/2016	3/9/2016	3/9/2016	3/8/2016	3/8/2016
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Lab SDG	R1601955	R1602058	R1602058	R1602058	R1602058	R1602058	R1602058	R1602058
		Start Depth	15	16	20.5	16	17	4	24	19
		End Depth	17	17	21.5	17.5	18	5	26	20
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]								
Inorganics										
Aluminum	7429-90-5	NC	7,280	2,370	7,460	3,580	15,400	3,340	1,880	5,170
Antimony	7440-36-0	NC	7.8 UJ	6.4 UJ	7.4 UJ	6.6 UJ	8 UJ	6.9 UJ	6.8 UJ	7.6 UJ
Arsenic	7440-38-2	13	6.8	1.7	5.5	2.7	2.2	3.1	0.857 J	15.4
Barium	7440-39-3	350	45.7	14.5	53.7	11.2	145	19	11.9	18.9
Beryllium	7440-41-7	7.2	0.404	0.157 J	0.397	0.192 J	0.824	0.188 J	0.107 J	0.298 J
Cadmium	7440-43-9	2.5	0.13 J	0.536 U	0.619 U	0.549 U	0.662 U	0.572 U	0.564 U	0.631 U
Calcium	7440-70-2	NC	1,290	79,600	2,790	74,700	74,600	17,400	38,300	4,310
Chromium	7440-47-3	1*	9.4	5.3	10.7	5.9	25.9	5.2	3.8	8.3
Cobalt	7440-48-4	NC	7.5	2.2 J	7.9	4.9 J	12.2	3.2 J	1.8 J	7.7
Copper	7440-50-8	50	12.8	6	9.3	7.8	20.4	7.2	5.3	9.1
Cyanide	57-12-5	27	0.03 J	0.093 U	0.03 J	0.1 U	0.13 U	0.04 J	0.098 U	0.03 J
Iron	7439-89-6	NC	20,000	9,770	20,700	10,800	29,600	9,670	7,160	17,700
Lead	7439-92-1	63	10.4 J	5.4 U	9.7	5.5 U	9.2	57 U	56 U	9.4
Magnesium	7439-95-4	NC	2,150	21,300	3,670	26,100	15,700	5,480	12,200	4,310
Manganese	7439-96-5	1,600	251	339	311	401	762	250	424	210
Mercury	7439-97-6	0.18	0.005 J	0.036 U	0.011 J	0.008 J	0.022 J	0.013 J	0.036 U	0.008 J
Nickel	7440-02-0	30	16.8	4.3 U	16.7	4.4 U	26.2	6.1	45 U	16.1
Potassium	7440-09-7	NC	741 J	727	687	588	3,690	577	432	881
Selenium	7782-49-2	3.9	1.3 U	1.1 U	1.2 U	1.1 U	13 U	1.1 U	1.1 U	1.3 U
Silver	7440-22-4	2	1.3 U	1.1 U	12 U	1.1 U	13 U	11 U	1.1 U	1.3 U
Sodium	7440-23-5	NC	31.4 J	124	30.9 J	96.9 J	279	56.1 J	92.3 J	39 J
Thallium	7440-28-0	NC	1.3 U	1.1 U	1.2 U	1.1 U	13.2 U	1.1 U	11.3 U	1.3 U
Vanadium	7440-62-2	NC	13.4	10.3	13.6	8.7	31	10	7.8	11.3
Zinc	7440-66-6	109	45 J	40.2	42.5	59.5	55	20	13.2	45.5

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
mg/kg - milligrams per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.
*- Chromium criteria is haxavalent chromium to be conservative. Results are Total Chromium.
[BB] = Sample locations where "bone black" or "activated carbon" type material was a
Exceeds Unrestricted SCO listed in Part 375.

Table 9E - Subsurface Soil Results Compared to Unrestricted SC
Inorganics
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SB-163	SB-164	SB-165	SB-166	SB-168	SB-169	SB-170	SB-171
		Sample ID	SB-163-13.5-16-030816	SB-164-4-5.9-030716	SB-165-22-23-030716	SB-166-13-15-030816	SB-168-16-17-030816	SB-169-16-17-030716	SB-170-16-16.8-022916	SB-171-15-16-022916
		Sample Date	3/8/2016	3/7/2016	3/7/2016	3/8/2016	3/8/2016	3/7/2016	2/29/2016	2/29/2016
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Lab SDG	R1602058	R1601955	R1601955	R1602058	R1602058	R1601955	R1601741	R1601741
		Start Depth	13.5	4	22	13	16	16	16	15
		End Depth	16	5.9	23	15	17	17	16.8	16
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]								
Inorganics										
Aluminum	7429-90-5	NC	6,890	3,940	5,220	10,800	6,310	7,690	6,880	12,800
Antimony	7440-36-0	NC	7.1 UJ	6.7 UJ	7.4 UJ	7.5 UJ	7.5 UJ	7.2 UJ	7.6 UJ	7.3 UJ
Arsenic	7440-38-2	13	5	2.2	6.3	9	7.6	6.9	5	9
Barium	7440-39-3	350	41.3	25.3	20.4	67.4	32.3	44.8	35.8	74.6
Beryllium	7440-41-7	7.2	0.372	0.157 J	0.248 J	0.576	0.368 J	0.445	0.365 J	0.666
Cadmium	7440-43-9	2.5	0.592 U	0.067 J	0.136 J	0.622 U	0.623 U	0.168 J	0.239 J	0.363 J
Calcium	7440-70-2	NC	1,540	21,400	18,100	1,670	1,370	710	1,330	1,200
Chromium	7440-47-3	1*	10.3	5	7.1	17.2	10.3	10.9	11	17.4
Cobalt	7440-48-4	NC	6.6	3.2 J	6 J	10.3	11.1	7.2	7.5	11.7
Copper	7440-50-8	50	13.3	7.6	10.2	24.6	15.8	19.8	13.1	23.3
Cyanide	57-12-5	27	0.11 U	0.11 U	0.12 U	0.02 J	0.02 J	0.02 J	0.02 J	0.03 J
Iron	7439-89-6	NC	17,700	4,840	12,200	29,700	19,800	20,400	16,300	29,300
Lead	7439-92-1	63	8	2.9 J	6.7 J	13.3	10.1	10.8 J	9.3	12.7
Magnesium	7439-95-4	NC	2,640	5,510	11,200	4,180	2,340	2,300	2,450	4,200
Manganese	7439-96-5	1,600	333	255	122	593	996	191	161	528
Mercury	7439-97-6	0.18	0.012 J	0.037 U	0.04 U	0.01 J	0.011 J	0.005 J	0.013 J	0.011 J
Nickel	7440-02-0	30	18.3	5.6	12.6	27.4	19.2	18.1	17.9	27.7
Potassium	7440-09-7	NC	833	696 J	872 J	997	851	883 J	902	908
Selenium	7782-49-2	3.9	12 U	1.1 U	1.2 U	12 U	12 U	1.2 U	1.3 U	1.2 U
Silver	7440-22-4	2	12 U	1.1 U	0.074 J	12 U	12 U	0.06 J	1.3 U	0.085 J
Sodium	7440-23-5	NC	30.8 J	108 J	49.5 J	30 J	27 J	36.4 J	47.4 J	62.2 J
Thallium	7440-28-0	NC	1.2 U	1.1 U	1.2 U	12.4 U	12.5 U	1.2 U	1.3 U	12.1 U
Vanadium	7440-62-2	NC	12.3	9.7	10.8	18.5	12.4	15.6	14	20.4
Zinc	7440-66-6	109	47.7	23.9 J	48.7 J	72.3	48.4	43 J	44.5	64.6

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
mg/kg - milligrams per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.
*- Chromium criteria is haxavalent chromium to be conservative. Results are Total Chromium.
[BB] = Sample locations where "bone black" or "activated carbon" type material was a
Exceeds Unrestricted SCO listed in Part 375.

Table 9E - Subsurface Soil Results Compared to Unrestricted SC
Inorganics
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SB-172	SB-173	SB-174	SB-175	SB-176	SB-177	SB-178	SB-179
		Sample ID	SB-172-8.8-9.6-082217	SB-173-12-15-082117	SB-174-12.5-15-082117	SB-175-21-21.4-030716	SB-176-6-7-041216	SB-177-5.5-6.5-031416	SB-178-1.5-2-031416	SB-179-6.2-7-030416
		Sample Date	8/22/2017	8/21/2017	8/21/2017	3/7/2016	4/12/2016	3/14/2016	3/14/2016	3/4/2016
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Lab SDG	R1707777	R1707777	R1707777	R1601955	R1603190	R1602239	R1602239	R1601955
		Start Depth	8.8	12	12.5	21	6	5.5	1.5	6.2
		End Depth	9.6	15	15	21.4	7	6.5	2	7
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]								
Inorganics										
Aluminum	7429-90-5	NC	4330	8650	12100	1,100	5,150	7,970	8,920	7,300
Antimony	7440-36-0	NC	6.6 U	7.4 U	7.8 U	6.5 UJ	7.2 UJ	7.2 UJ	6.9 UJ	7.7 UJ
Arsenic	7440-38-2	13	2.7	8.1	9.2	1.9	3	5	4.2	6
Barium	7440-39-3	350	23.8	69.7	98.6	7.6	103	58.6	78.1	53.3
Beryllium	7440-41-7	7.2	0.186 J	0.397	0.622	0.022 J	0.302 J	0.408	0.438	0.395
Cadmium	7440-43-9	2.5	0.885	0.62 U	0.648 U	0.119 J	0.157 J	0.599 U	0.577 U	0.242 J
Calcium	7440-70-2	NC	70800	1990	2930	176,000	12,600	5,550 J	43,400 J	3,640
Chromium	7440-47-3	1*	6.2	12.4	16.3	1.1 U	16.6	11.8	11.8	10.1
Cobalt	7440-48-4	NC	2.7 J	10.6	9.5	1.4 J	5 J	8.2	5.6 J	7.3
Copper	7440-50-8	50	10.5	16.7	18.9	3.9	6	14	16.8	17.2
Cyanide	57-12-5	27	0.098 U	0.03 J	0.05 J	0.11 U	0.06 J	0.04 J	0.02 J	0.06 J
Iron	7439-89-6	NC	9770	22300	27300	4,120	25,700	20,600	16,700	17,200
Lead	7439-92-1	63	9.8	9.9	12	7.5 J	10.1	12.5	13	23.9 J
Magnesium	7439-95-4	NC	39900	3080	4100	100,000	2,540	2,910 J	20,500 J	2,670
Manganese	7439-96-5	1,600	155	1030	432	323	132	532 N	779 N	148
Mercury	7439-97-6	0.18	0.181	0.039 U	0.036 J	0.036 U	0.032 J	0.025 J	0.043	0.054
Nickel	7440-02-0	30	8.6	23.7	25.7	4.3 UE	7.4	18.3	12.4	15.8
Potassium	7440-09-7	NC	749	817	1320	442 J	686	859	1,490	1,140 J
Selenium	7782-49-2	3.9	1.1 U	0.881 J	0.777 J	2.9	0.749 J	1.2 U	0.854 J	1.3 U
Silver	7440-22-4	2	1.1 U	1.2 U	1.3 U	0.314 J	1.2 U	0.096 J	0.081 J	0.077 J
Sodium	7440-23-5	NC	164	108 J	189	208	54.2 J	49.4 J	88.9 J	54.1 J
Thallium	7440-28-0	NC	1.5	1.2 U	1.3 U	4.4	1.2 U	1.2 U	1.2 U	1.3 U
Vanadium	7440-62-2	NC	8.2	16.5	20.7	3.6 J	8.8	14.7	16.4	14.8
Zinc	7440-66-6	109	327	58.2	66.5 E	12.7 J	41.5	69	66.1	62.8 J

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
mg/kg - milligrams per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.
*- Chromium criteria is haxavalent chromium to be conservative. Results are Total Chromium.
[BB] = Sample locations where "bone black" or "activated carbon" type material was a
Exceeds Unrestricted SCO listed in Part 375.

Table 9E - Subsurface Soil Results Compared to Unrestricted SC
Inorganics
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	SB-180	SB-TP-131	SB-TP-139[BB]	SB-TP-139[BB]	SB-TP-147	TP-100	TP-102	TP-103	TP-103
		Sample ID	SB-180-14-14.7-030416	SB-TP-131-5-7-031516	DUP-001-030716	SB-TP-139-12-14-030716	SB-TP-147-16-18-031016	TP-100-2-4-012116	TP-102-1-3-012216	DUP-008-012116	TP-103-0-2-012116
		Sample Date	3/4/2016	3/15/2016	3/7/2016	3/7/2016	3/10/2016	1/21/2016	1/22/2016	1/21/2016	1/21/2016
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Lab SDG	R1601955	R1602333	R1601955	R1601955	R1602058	R1600468	R1600468	R1600468	R1600468
		Start Depth	14	5	12	12	16	2	1	0	0
		End Depth	14.7	7	14	14	18	4	3	2	2
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]									
Inorganics											
Aluminum	7429-90-5	NC	8,090	5,680	4,700	5,320	3,090	21,200	25,100	4,140	3,150
Antimony	7440-36-0	NC	7.2 UJ	7.9 UJ	7.2 UJ	7.2 UJ	6.7 UJ	0.27 J	0.921 J	6.6 U	0.409 J
Arsenic	7440-38-2	13	6.2	12	3.1	2.7	6	33.4	41.2	5.1	3.6
Barium	7440-39-3	350	42.3	102	25.7	31.5	20.9	73.8	50.6	28.8	25.5
Beryllium	7440-41-7	7.2	0.385	0.677	0.192 J	0.215 J	0.16 J	1.4	1.2	0.33 U	0.33 U
Cadmium	7440-43-9	2.5	0.084 J	0.655 U	0.048 J	0.083 J	0.556 U	0.674 U	0.191 J	0.552 U	0.552 U
Calcium	7440-70-2	NC	1,170	9,410 J	NA	31,000	72,900	14,700	24,300	86,800	33,900
Chromium	7440-47-3	1*	11.3	12.4	6.3	7.3	7.3	57.6	65.4	6.8	5
Cobalt	7440-48-4	NC	6.6	5.9 J	3.3 J	4 J	5 J	6.5 J	4.3 J	3.1 J	2.5 J
Copper	7440-50-8	50	15.8	34.2	8.8	9.2	7.1	32.5	13.3	56.1	58.3
Cyanide	57-12-5	27	0.11 U	0.25	0.12 U	0.06 J	0.1 U	0.36	0.38	0.32	0.11 U
Iron	7439-89-6	NC	19,400	15,200	9,460	11,700	12,300	20,600	19,600	12,800	9,460
Lead	7439-92-1	63	6.8 J	87.2	4.9 J	4 J	54 U	53.4	24.6	52.8	60.8
Magnesium	7439-95-4	NC	2,820	3,940	8,070	7,940	32,100	22,100	29,900	23,900	9,190
Manganese	7439-96-5	1,600	292	104 J	281	285	468	227	131	305	232
Mercury	7439-97-6	0.18	0.009 J	1.6	0.038 U	0.038 U	0.035 U	0.149	0.027 J	0.158	0.179
Nickel	7440-02-0	30	17.6	12.1	5.7	7.4	7.9	17.1	20.8	7.6	5.7
Potassium	7440-09-7	NC	848 J	715	870 J	1,060 J	943	3,460 J	3,630 J	805 J	596 J
Selenium	7782-49-2	3.9	1.2 U	1.3 U	0.768 J	1.2 U	11 U	1.4 U	1.4 U	1.1 U	1.1 U
Silver	7440-22-4	2	0.06 J	1.3 U	0.084 J	0.072 J	11 U	1.3 U	1.4 U	1.1 U	1.1 U
Sodium	7440-23-5	NC	44.4 J	159	147	142	125	575	733	115	59.7 J
Thallium	7440-28-0	NC	1.2 U	1.3 U	1.2 U	1.2 U	1.1 U	1.4 U	1.4 U	1.1 U	1.1 U
Vanadium	7440-62-2	NC	13.1	19.4	11.4	13.8	13.8	50.4	60.5	11.9	9.3
Zinc	7440-66-6	109	45.6 J	90.7	26.8 J	28.3 J	46.4	96.8	68.1	135	103

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
mg/kg - milligrams per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.
*- Chromium criteria is haxavalent chromium to be conservative. Results are Total Chromium.
[BB] = Sample locations where "bone black" or "activated carbon" type material was a
Exceeds Unrestricted SCO listed in Part 375.

Table 9E - Subsurface Soil Results Compared to Unrestricted SC
Inorganics
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	TP-104	TP-105	TP-106	TP-107	TP-108	TP-110	TP-111	TP-112
		Sample ID	TP-104-0-2-012216	TP-105-4.5-6.5-012216	TP-106-1.5-4-012216	TP-107-0-2-012216	TP-108-0-1.5-012516	TP-110-1.5-2-012516	SB-TP-111-0-0.6-082117	TP-112-3.5-4-012516
		Sample Date	1/22/2016	1/22/2016	1/22/2016	1/22/2016	1/25/2016	1/25/2016	8/21/2017	1/25/2016
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Lab SDG	R1600468	R1600468	R1600468	R1600468	R1600634	R1600634	R1707777	R1600634
		Start Depth	0	4.5	1.5	0	0	1.5	0	3.5
		End Depth	2	6.5	4	2	1.5	2	0.6	4
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]								
Inorganics										
Aluminum	7429-90-5	NC	5,230	14,600	21,900	5,930	4,040	8,290	3,840	7,580
Antimony	7440-36-0	NC	1 J	8.1 U	7.5 U	0.406 J	9.4	8.6 U	6.3 U	7.5 U
Arsenic	7440-38-2	13	9.3	97.2	94.5	11.8	20.1	8.2	3.6	15.5
Barium	7440-39-3	350	129	230	57.3	106	96.3	79.3	29.4	54
Beryllium	7440-41-7	7.2	0.508	2.9	1.8	0.436	0.745	0.507	0.2 J	0.537
Cadmium	7440-43-9	2.5	0.611 U	2	0.106 J	0.198 J	0.633 U	0.713 U	0.527 U	0.628 U
Calcium	7440-70-2	NC	30,100	8,350	6,180	68,200	15,300	8,910	98,500	13,600
Chromium	7440-47-3	1*	10.8	36.6	78.6	16.2	13.3 J	15.6 J	6.6	16.9 J
Cobalt	7440-48-4	NC	4.9 J	64.1	8	6 J	8.7	6.7 J	2.8 J	4.7 J
Copper	7440-50-8	50	45.5	178	46.5	59.6	102	29.2	19.4	14.7
Cyanide	57-12-5	27	0.56	0.3	0.39	0.12 U	0.33	0.26	0.018 J	0.08 J
Iron	7439-89-6	NC	13,200	99,900	57,800	17,400	44,200	21,900	11,000	14,600
Lead	7439-92-1	63	268	159	14.5	308	234	78.6	55.7	18.6
Magnesium	7439-95-4	NC	10,900	3,670	19,500	23,800	7,730	4,630	46,600	9,740
Manganese	7439-96-5	1,600	410	1,630	109	319	405	477	316	235
Mercury	7439-97-6	0.18	0.114	0.263	0.006 J	0.328	0.189	0.139	0.133	0.076
Nickel	7440-02-0	30	11.1	75.8	18.3	15.6	20.2	15	6.7	11.8
Potassium	7440-09-7	NC	1,000 J	1,710 J	2,700 J	1,120 J	675 J	1,300 J	1,050	1,260 J
Selenium	7782-49-2	3.9	1.2 U	3.5	1.5	1.3 U	1.7	1.6	1.1 U	1.3 U
Silver	7440-22-4	2	1.2 U	1.4 U	1.3 U	0.322 J	1.3 U	1.4 U	0.168 J	1.3 U
Sodium	7440-23-5	NC	153	174	496	153	102 J	82.4 J	145	216
Thallium	7440-28-0	NC	1.2 U	4.1 U	0.541 J	1.3 U	1.3 U	1.4 U	2	1.3 U
Vanadium	7440-62-2	NC	20.4	17.3	65.1	17.3	16.4	19.9	11.6	19.8
Zinc	7440-66-6	109	257	364	91.3	1,780	104	187	87.8	108

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
mg/kg - milligrams per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.
*- Chromium criteria is haxavalent chromium to be conservative. Results are Total Chromium.
[BB] = Sample locations where "bone black" or "activated carbon" type material was a
Exceeds Unrestricted SCO listed in Part 375.

Table 9E - Subsurface Soil Results Compared to Unrestricted SC
Inorganics
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	TP-113	TP-114	TP-115	TP-116	TP-118	TP-120	TP-120	TP-123	TP-125
		Sample ID	TP-113-1.5-2-012516	TP-114-4-5-012616	TP-115-4-5-012616	TP-116-7-8-011516	TP-118-3.5-4-011516	DUP-009-012616	TP-120-4-4.5-012616	TP-123-4.5-5-012616	TP-125-3-4-012716
		Sample Date	1/25/2016	1/26/2016	1/26/2016	1/15/2016	1/15/2016	1/26/2016	1/26/2016	1/26/2016	1/27/2016
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Lab SDG	R1600634	R1600634	R1600634	R1600468	R1600468	R1600634	R1600634	R1600634	R1600634
		Start Depth	1.5	4	4	7	3.5	4	4	4.5	3
		End Depth	2	5	5	8	4	4.5	4.5	5	4
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]									
Inorganics											
Aluminum	7429-90-5	NC	5,000	20,600	8,730	8,060	12,500	10,900	11,100	8,940	2,260
Antimony	7440-36-0	NC	6.5 U	0.171 UJ	1.5 J	7.2 U	1.8 J	0.264 J	0.145 UJ	0.146 UJ	0.909 J
Arsenic	7440-38-2	13	2.7	7.9	11	7.6	21.2	7.9	9.6	7.8	510
Barium	7440-39-3	350	27	144	184	47.4	97	81.5	86.2	46.1	58
Beryllium	7440-41-7	7.2	0.327 U	1.2	0.634	0.49	0.894	0.607	0.716	0.502	0.167 J
Cadmium	7440-43-9	2.5	0.545 U	0.713 U	0.024 U	0.601 U	0.694 U	0.617 U	0.02 U	0.021 U	7.6
Calcium	7440-70-2	NC	127,000	5,270	8,490	1,710	22,500	11,000	7,540	1,800	2,630
Chromium	7440-47-3	1*	9.3 J	21.5	15.1	12.8	31.7	17.2	16.4	13.4	19.7
Cobalt	7440-48-4	NC	3.5 J	7.5	10.4	8.3	7.7	8.9	11	8.3	1.6 J
Copper	7440-50-8	50	17.3	35.9	157	17.3	28.3	20	18	16.6	18.9
Cyanide	57-12-5	27	0.097 U	0.24	0.17	0.11 U	0.63	0.11 U	0.06 J	0.02 J	0.09 J
Iron	7439-89-6	NC	11,300	24,700	13,300	24,400	24,100	23,300	24,200	21,900	156,000
Lead	7439-92-1	63	7.2	13.9	524	9.6	114	56.2	35.6	9.8	16.3
Magnesium	7439-95-4	NC	44,900	4,340	3,800	3,080	11,100	7,960	5,940	3,060	1,170
Manganese	7439-96-5	1,600	430	130	239	247	238	306	336	249	19.4
Mercury	7439-97-6	0.18	0.053	0.061	44.2	0.014 J	0.51	0.079	0.06	0.007 J	0.024 J
Nickel	7440-02-0	30	9.2	23.9	22.6	21.2	16.5	20.8	26.6	18.6	3.4 J
Potassium	7440-09-7	NC	1,740 J	1,900	962	796 J	1710 J	1,580	1,670	936	655
Selenium	7782-49-2	3.9	1.1 U	1.6	1.4 U	1.2 U	2.4	1.2 U	1.2 U	0.221 U	3.8
Silver	7440-22-4	2	1.1 U	1.4 U	1.3 J	1.2 U	1.4 U	1.2 U	0.073 U	0.074 U	0.077 U
Sodium	7440-23-5	NC	140	190	200	34 J	418	68.8 J	56.1 J	56 J	38.1 J
Thallium	7440-28-0	NC	1.1 U	1.4 U	0.39 U	1.2 U	1.4 U	1.2 U	0.327 U	0.329 U	2.6 J
Vanadium	7440-62-2	NC	9.8	27.3	23.3	15.1	33.9	22.9	20.9	17.1	35.3
Zinc	7440-66-6	109	29.5	96.4	241	59.5	420	231	166 J	54.1	55.6

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
mg/kg - milligrams per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.
*- Chromium criteria is haxavalent chromium to be conservative. Results are Total Chromium.
[BB] = Sample locations where "bone black" or "activated carbon" type material was a
Exceeds Unrestricted SCO listed in Part 375.

Table 9E - Subsurface Soil Results Compared to Unrestricted SC
Inorganics
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	TP-126	TP-127	TP-130	TP-132	TP-133	TP-134	TP-135	TP-137
		Sample ID	TP-126-2-3-012716	TP-127-8-8.5-012716	TP-130-9.5-10-012816	TP-132-3-3.5-012816	TP-133-6.5-7-012716	TP-134-5-6-012816	TP-135-2-3-012916	TP-137-9.5-10-012916
		Sample Date	1/27/2016	1/27/2016	1/28/2016	1/28/2016	1/27/2016	1/28/2016	1/29/2016	1/29/2016
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Lab SDG	R1600634	R1600634	R1600810	R1600810	R1600634	R1600810	R1600810	R1600810
		Start Depth	2	8	9.5	3	6.5	5	2	9.5
		End Depth	3	8.5	10	3.5	7	6	3	10
Chemical Name	CAS #	NY Part 375 Unrestricted SCO[1]								
Inorganics										
Aluminum	7429-90-5	NC	6,560	11,100	5,300	5,100	12,600	9,000	7,270	6,650
Antimony	7440-36-0	NC	1.1 J	0.614 J	7.9 UJ	7.3 UJ	0.208 J	0.198 UJ	0.202 UJ	7.3 UJ
Arsenic	7440-38-2	13	17.3	31.4	14.2	18	7.2	6.2	3.5	7.6
Barium	7440-39-3	350	172	118	86.7 J	103	85.6	52.4	35.1	38.3
Beryllium	7440-41-7	7.2	1.2	0.688	0.565	0.403	0.691	0.423	0.384	0.35 J
Cadmium	7440-43-9	2.5	0.726 U	0.851 U	0.655 U	1.1	0.567 U	0.585 U	0.605 U	0.605 U
Calcium	7440-70-2	NC	9,640	26,500	29,100	32,000	3,780	1,790	13,200	1,050
Chromium	7440-47-3	1*	10.1	17.7	12.7	16.2	18.2	13.2	11	9.8
Cobalt	7440-48-4	NC	9.2	8.3 J	6.5 U	6.2	12	8.7	9.7	7.6
Copper	7440-50-8	50	40.9	48.7	37.7	56.4	15	14.8	18.9	16.1
Cyanide	57-12-5	27	0.38	1.04	0.16	0.11	0.06 J	0.05 J	0.02 J	0.12 U
Iron	7439-89-6	NC	29,400	36,400	19,300	23,900	27,000	23,300	16,800	19,100
Lead	7439-92-1	63	92.2	199	279 J	308 J	15.3	10.1 J	6.1 U	9.2 J
Magnesium	7439-95-4	NC	3,380	5,420	10,700	11,500	4,080	3,070	4,490	2,030
Manganese	7439-96-5	1,600	177	229	271	321	311	251	200	331
Mercury	7439-97-6	0.18	0.554	0.044 J	2.9	1.6	0.214	0.021 J	0.01 J	0.012 J
Nickel	7440-02-0	30	19.9	19.1	10.9	23.9	23.4	19.2	19.4	17.4
Potassium	7440-09-7	NC	844	1,640	838 J	858	1,620	907	1,300	914
Selenium	7782-49-2	3.9	1.5	1.7 U	1.2 J	1.2 J	1.1 U	1.2 U	3	1.2 U
Silver	7440-22-4	2	1.5 U	1.7 U	0.21 J	0.293 J	0.068 U	1.2 U	1.2 U	1.2 U
Sodium	7440-23-5	NC	173	179	106 J	102 J	135	182	62 J	121 U
Thallium	7440-28-0	NC	1.5 U	1.7 U	1.3 U	1.2 U	1.1 U	1.2 U	1.2 U	1.2 U
Vanadium	7440-62-2	NC	19.4	21	18.4	17.7	21.9	16.1	18.7	13.4
Zinc	7440-66-6	109	57	137	113 J	301	102	49.4	45.8	43.2

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
mg/kg - milligrams per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.
*- Chromium criteria is haxavalent chromium to be conservative. Results are Total Chromium.
[BB] = Sample locations where "bone black" or "activated carbon" type material was a
Exceeds Unrestricted SCO listed in Part 375.

Table 9E - Subsurface Soil Results Compared to Unrestricted SC
Inorganics
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	TP-140[BB]	TP-141	TP-142	TP-143	TP-146	TP-148	TP-149[BB]	TP-150[BB]	TP-151
		Sample ID	TP-140-2.5-3-011416	TP-141-4-5-011416	TP-142-0-1-011516	TP-143-4-6.5-011416	TP-146-6-8-011316	TP-148-2-2.5-012516	TP-149-6-8-011416	TP-150-4-6-011316	TP-151-2-4-011316
		Sample Date	1/14/2016	1/14/2016	1/15/2016	1/14/2016	1/13/2016	1/25/2016	1/14/2016	1/13/2016	1/13/2016
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Lab SDG	R1600423	R1600423	R1600468	R1600423	R1600375	R1600634	R1600423	R1600375	R1600375
		Start Depth	2.5	4	0	4	6	2	6	4	2
		End Depth	3	5	1	6.5	8	2.5	8	6	4
Chemical Name	**CAS #**	**NY Part 375 Unrestricted SCO[1]**									
Inorganics											
Aluminum	7429-90-5	NC	14,500	4,170	2,670	22,600	6,950	6,160	21,100	21,200	5,070
Antimony	7440-36-0	NC	1.3 J	0.702 J	7.1 U	1.3 J	12.2 U	7.3 U	0.876 J	13.2 U	11.2 U
Arsenic	7440-38-2	13	28.4 J	22.8 J	24.5	48.5 J	9.3	8.2	38.2 J	82.2	8.2
Barium	7440-39-3	350	73.8	130	281	131	62	105	245	28.2	62.9
Beryllium	7440-41-7	7.2	0.772	0.453	0.782	1.6	0.476	0.364	0.72	0.711	0.403
Cadmium	7440-43-9	2.5	0.677 U	0.566 U	0.591 U	4.8	0.61 U	0.871	0.733	0.908	0.578 U
Calcium	7440-70-2	NC	42,600 J	25,600 J	2,740	13,600 J	68,000 J	2,880	31,600 J	36,100 J	5,260 J
Chromium	7440-47-3	1*	43.7 J	29.4 J	7.3	78.1	7.7 J	10.2 J	53.9 J	52.4	8.5 J
Cobalt	7440-48-4	NC	6.8 U	5.7 U	7.5	8.5 U	6.1 U	6.9	6.8 U	4.9 U	6.6
Copper	7440-50-8	50	25.9 J	58.8 J	24.2	20.4 J	17.6 J	32.4	9.7 J	6.8 J	16.7 J
Cyanide	57-12-5	27	0.12 U	0.57	0.11 U	0.29	0.09 J	0.03 J	1.06	0.42	0.1 J
Iron	7439-89-6	NC	13,000	18,100	20,900	26,500	12,900	22,500	30,200	34,900	14,900
Lead	7439-92-1	63	82.7 J	52.6 J	6.3	45.8 J	44 J	9.5	21 J	15.7 J	20.7 J
Magnesium	7439-95-4	NC	19,100 J	4,190 J	779	22,900 J	34,300 J	2,980	29,100 J	28,700 J	2,670 J
Manganese	7439-96-5	1,600	223 J	171 J	78.2	209 J	414 J	146	2,550 J	172 J	252 J
Mercury	7439-97-6	0.18	0.303	1.6	0.132	0.083	0.69	1.4	0.032 J	0.006 J	0.099
Nickel	7440-02-0	30	9.9 J	9.3 J	17.7	28.3 J	9.3 J	17.7	16.2 J	17.7	18.1
Potassium	7440-09-7	NC	1,790	583	622 J	3,390	777	836 J	3,210	3,300	593
Selenium	7782-49-2	3.9	1.4 U	1.1 U	1.4	1.7 U	0.721 U	1.2 U	2.4	1.3 U	1.1 U
Silver	7440-22-4	2	1.4 U	1.1 U	1.2 U	1.7 U	0.054 U	1.2 U	1.4 U	1.3 U	1.1 U
Sodium	7440-23-5	NC	701	221	93 J	672	199	31.7 J	775	698	110 J
Thallium	7440-28-0	NC	1.4 U	1.1 U	0.922 J	1.7 U	0.33 U	1.2 U	6.9 U	1.3 U	1.1 U
Vanadium	7440-62-2	NC	50.7	20.4	19.1	65.8	14.3	11.9	63.6	62.6	14.5
Zinc	7440-66-6	109	705 J	305 J	39	2580 J	159 J	613	62.2 J	51.2 J	71.3 J

Notes:
NC - No criteria exists, NA - Not Available
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
mg/kg - milligrams per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] 6 NYCRR Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.
*- Chromium criteria is haxavalent chromium to be conservative. Results are Total Chromium.
[BB] = Sample locations where "bone black" or "activated carbon" type material was a
Exceeds Unrestricted SCO listed in Part 375.

Table 10A - Groundwater Results - VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	BED1-100	BED1-100	BED1-101	BED1-101	BED1-102
		Sample ID	BED1-100-082316	BED1-100-121316	BED1-101-082416	BED1-101-121216	BED1-102-081516
		Sample Date	8/23/2016	12/13/2016	8/24/2016	12/12/2016	8/15/2016
		Unit	µg/L	µg/L	µg/L	µg/L	µg/L
		Lab SDG	R1608915	R1613018	R1608915	R1613018	R1608604
Chemical Name	**CAS #**	**NYS GW CLASS GA[1]**					
VOCs							
1,1,1-Trichloroethane	71-55-6	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,1,2,2-Tetrachloroethane	79-34-5	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,1,2-Trichloroethane	79-00-5	1	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,1-Dichloroethane	75-34-3	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,1-Dichloroethene	75-35-4	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2,3-Trichlorobenzene	87-61-6	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2,4-Trichlorobenzene	120-82-1	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2,4-Trimethylbenzene	95-63-6	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2-Dibromo-3-chloropropane	96-12-8	0.04	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U
1,2-Dibromoethane	106-93-4	0.0006	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2-Dichlorobenzene	95-50-1	3	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2-Dichloroethane	107-06-2	0.6	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2-Dichloropropane	78-87-5	1	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,3,5-Trimethylbenzene	108-67-8	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,3-Dichlorobenzene	541-73-1	3	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,4-Dichlorobenzene	106-46-7	3	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,4-Dioxane	123-91-1	NC	< 40 R	< 40 R	< 40 R	< 40 R	< 40 R
2-Butanone	78-93-3	50	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
2-Hexanone	591-78-6	50	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
4-Isopropyltoluene	99-87-6	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
4-Methyl-2-Pentanone	108-10-1	NC	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Acetone	67-64-1	50	< 5.0 UJ	< 5.0 UJ	< 5.0 UJ	< 5.0 UJ	< 5.0 J
Benzene	71-43-2	1	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Bromochloromethane	74-97-5	5	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Bromodichloromethane	75-27-4	50	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Bromoform	75-25-2	50	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Bromomethane	74-83-9	5	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U
Carbon disulfide	75-15-0	60	0.37 J	< 1.0 U	< 1.0 U	< 1.0 U	0.42 J
Carbon Tetrachloride	56-23-5	5	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 UJ	< 1.0 U
Chlorobenzene	108-90-7	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Chloroethane	75-00-3	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Chloroform	67-66-3	7	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Chloromethane	74-87-3	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	0.21 J
cis-1,2-Dichloroethene	156-59-2	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Cis-1,3-Dichloropropene	10061-01-5	0.4	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Cyclohexane	110-82-7	NC	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Dibromochloromethane	124-48-1	50	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Dichlorodifluoromethane	75-71-8	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Ethane, 1,1,2-trichloro-1,2,2-trifluoro	76-13-1	5	NA	NA	NA	NA	NA
Ethylbenzene	100-41-4	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Isopropylbenzene	98-82-8	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
m,p-Xylene	XYLMP	5	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U
Methyl Acetate	79-20-9	NC	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U
Methylcyclohexane	108-87-2	NC	< 1.0 U	< 1.0 U	< 1.0 U	0.32 J	0.33 J
Methylene Chloride	75-09-2	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Methyl tert-butyl ether (MTBE)	1634-04-4	10	< 1.0 U	< 1.0 U	0.61 J	0.59 J	< 1.0 U
n-Butylbenzene	104-51-8	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
n-Propylbenzene	103-65-1	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
o-Xylene	95-47-6	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
sec-Butylbenzene	135-98-8	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Styrene	100-42-5	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Tert-Butylbenzene	98-06-6	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Tetrachloroethene	127-18-4	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Toluene	108-88-3	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
trans-1,2-Dichloroethene	156-60-5	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Trans-1,3-Dichloropropene	10061-02-6	0.4	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Trichloroethene	79-01-6	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Trichlorofluoromethane	75-69-4	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Trichlortrifluoroethane	26523-64-8	NC	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Vinyl Chloride	75-01-4	2	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Xylenes (total)	1330-20-7	5	0	0	0	0	0
TOTAL VOC TICs	NA	NC	50	7.7	NT	NT	20

Notes:
All units in micrograms per liter (µg/L)
NT - No TICs identified
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
Total Xylene calculated using o-xylene and m,p-xylene values.
[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.

Exceeds NYS GW Class GA

Table 10A - Groundwater Results - VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	BED1-102	BED1-103	BED1-103	BED1-104	BED1-104
		Sample ID	BED1-102-120516	BED1-103-081916	BED1-103-120916	BED1-104-081816	BED1-104-120816
		Sample Date	12/5/2016	8/19/2016	12/9/2016	8/18/2016	12/8/2016
		Unit	µg/L	µg/L	µg/L	µg/L	µg/L
		Lab SDG	R1612714	R1608824	R1612845	R1608824	R1612845
Chemical Name	CAS #	NYS GW CLASS GA[1]					
VOCs							
1,1,1-Trichloroethane	71-55-6	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U
1,1,2,2-Tetrachloroethane	79-34-5	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U
1,1,2-Trichloroethane	79-00-5	1	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U
1,1-Dichloroethane	75-34-3	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U
1,1-Dichloroethene	75-35-4	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U
1,2,3-Trichlorobenzene	87-61-6	5	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 UJ	< 1.0 U
1,2,4-Trichlorobenzene	120-82-1	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U
1,2,4-Trimethylbenzene	95-63-6	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U
1,2-Dibromo-3-chloropropane	96-12-8	0.04	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 UJ	< 2.0 UJ
1,2-Dibromoethane	106-93-4	0.0006	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U
1,2-Dichlorobenzene	95-50-1	3	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U
1,2-Dichloroethane	107-06-2	0.6	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U
1,2-Dichloropropane	78-87-5	1	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U
1,3,5-Trimethylbenzene	108-67-8	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U
1,3-Dichlorobenzene	541-73-1	3	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U
1,4-Dichlorobenzene	106-46-7	3	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U
1,4-Dioxane	123-91-1	NC	< 40 R	< 40 R	< 40 R	< 40 R	< 40 R
2-Butanone	78-93-3	50	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U
2-Hexanone	591-78-6	50	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U
4-Isopropyltoluene	99-87-6	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U
4-Methyl-2-Pentanone	108-10-1	NC	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U
Acetone	67-64-1	50	8.2 J	< 5.0 UJ	< 5.0 UJ	< 5.0 UJ	< 5.0 UJ
Benzene	71-43-2	1	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U
Bromochloromethane	74-97-5	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U
Bromodichloromethane	75-27-4	50	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U
Bromoform	75-25-2	50	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U
Bromomethane	74-83-9	5	< 1.0 UJ	< 1.0 UJ	< 1.0 U	< 1.0 UJ	< 1.0 U
Carbon disulfide	75-15-0	60	0.63 J	< 1.0 U	< 1.0 U	< 1.0 UJ	0.31 J
Carbon Tetrachloride	56-23-5	5	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 UJ	< 1.0 U
Chlorobenzene	108-90-7	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U
Chloroethane	75-00-3	5	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 UJ
Chloroform	67-66-3	7	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U
Chloromethane	74-87-3	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U
cis-1,2-Dichloroethene	156-59-2	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U
Cis-1,3-Dichloropropene	10061-01-5	0.4	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U
Cyclohexane	110-82-7	NC	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U
Dibromochloromethane	124-48-1	50	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U
Dichlorodifluoromethane	75-71-8	5	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 UJ	< 1.0 U
Ethane, 1,1,2-trichloro-1,2,2-trifluoro	76-13-1	5	NA	NA	NA	NA	NA
Ethylbenzene	100-41-4	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U
Isopropylbenzene	98-82-8	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U
m,p-Xylene	XYLMP	5	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 UJ	< 2.0 U
Methyl Acetate	79-20-9	NC	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 UJ	< 2.0 U
Methylcyclohexane	108-87-2	NC	0.36 J	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U
Methylene Chloride	75-09-2	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U
Methyl tert-butyl ether (MTBE)	1634-04-4	10	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U
n-Butylbenzene	104-51-8	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U
n-Propylbenzene	103-65-1	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U
o-Xylene	95-47-6	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U
sec-Butylbenzene	135-98-8	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U
Styrene	100-42-5	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U
Tert-Butylbenzene	98-06-6	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U
Tetrachloroethene	127-18-4	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U
Toluene	108-88-3	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U
trans-1,2-Dichloroethene	156-60-5	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U
Trans-1,3-Dichloropropene	10061-02-6	0.4	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U
Trichloroethene	79-01-6	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U
Trichlorofluoromethane	75-69-4	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U
Trichlortrifluoroethane	26523-64-8	NC	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U
Vinyl Chloride	75-01-4	2	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U
Xylenes (total)	1330-20-7	5	0	0	0	0	0
TOTAL VOC TICs	NA	NC	NT	NT	NT	NT	NT

Notes:
All units in micrograms per liter (µg/L)
NT - No TICs identified
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
Total Xylene calculated using o-xylene and m,p-xylene values.
[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.

Exceeds NYS GW Class GA

Table 10A - Groundwater Results - VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	GW-101	GW-102	GW-103	GW-103	GW-104
		Sample ID	42969.58333	42969.62153	42969	42969.5875	42969.42014
		Sample Date	GW-101-082217	GW-102-082217	DUP-013-082217	GW-103-082217	GW-104-082217
		Unit	µg/L	µg/L	µg/L	µg/L	µg/L
		Lab SDG	R1707811	R1707811	R1707811	R1707811	R1707811
Chemical Name	CAS #	NYS GW CLASS GA[1]					
VOCs							
1,1,1-Trichloroethane	71-55-6	5	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	79-34-5	5	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	79-00-5	1	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	75-34-3	5	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	75-35-4	5	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	87-61-6	5	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	120-82-1	5	1 U	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	95-63-6	5	0.24 J	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	96-12-8	0.04	2 U	2 U	2 U	2 U	2 U
1,2-Dibromoethane	106-93-4	0.0006	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	95-50-1	3	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	107-06-2	0.6	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	78-87-5	1	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	108-67-8	5	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	541-73-1	3	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	106-46-7	3	1 U	1 U	1 U	1 U	1 U
1,4-Dioxane	123-91-1	NC	40 R	40 R	40 R	40 R	40 R
2-Butanone	78-93-3	50	1.4 J	1.5 J	5 U	5 U	5 U
2-Hexanone	591-78-6	50	5 U	5 U	5 U	5 U	5 U
4-Isopropyltoluene	99-87-6	5	1 U	1 U	1 U	1 U	1 U
4-Methyl-2-Pentanone	108-10-1	NC	5 U	5 U	5 U	5 U	5 U
Acetone	67-64-1	50	5.7 U	6.6	5 U	5 U	5 U
Benzene	71-43-2	1	1.2	1 U	1 U	1 U	1 U
Bromochloromethane	74-97-5	5	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	75-27-4	50	1 U	1 U	1 U	1 U	1 U
Bromoform	75-25-2	50	1 U	1 U	1 U	1 U	1 U
Bromomethane	74-83-9	5	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	75-15-0	60	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	56-23-5	5	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	108-90-7	5	1 U	1 U	1 U	1 U	1 U
Chloroethane	75-00-3	5	1 U	1 U	1 U	1 U	1 U
Chloroform	67-66-3	7	1 U	1 U	1 U	1 U	1 U
Chloromethane	74-87-3	5	0.23 J	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	156-59-2	5	1 U	1 U	1 U	1 U	1 U
Cis-1,3-Dichloropropene	10061-01-5	0.4	1 U	1 U	1 U	1 U	1 U
Cyclohexane	110-82-7	NC	0.6 J	1 U	1 U	1 U	1 U
Dibromochloromethane	124-48-1	50	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	75-71-8	5	1 U	1 U	1 U	1 U	1 U
Ethane, 1,1,2-trichloro-1,2,2-trifluoro	76-13-1	5	NA	NA	NA	NA	NA
Ethylbenzene	100-41-4	5	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene	98-82-8	5	1 U	1 U	1 U	1 U	1 U
m,p-Xylene	XYLMP	5	0.85 J	2 U	2 U	2 U	2 U
Methyl Acetate	79-20-9	NC	2 U	2 U	2 U	2 U	2 U
Methylcyclohexane	108-87-2	NC	0.54 J	1 U	1 U	1 U	1 U
Methylene Chloride	75-09-2	5	1 U	1 U	1 U	1 U	1 U
Methyl tert-butyl ether (MTBE)	1634-04-4	10	1 U	1 U	1 U	1 U	1 U
n-Butylbenzene	104-51-8	5	1 U	1 U	1 U	1 U	1 U
n-Propylbenzene	103-65-1	5	1 U	1 U	1 U	1 U	1 U
o-Xylene	95-47-6	5	0.33 J	1 U	1 U	1 U	1 U
sec-Butylbenzene	135-98-8	5	1 U	1 U	1 U	1 U	1 U
Styrene	100-42-5	5	1 U	1 U	1 U	1 U	1 U
Tert-Butylbenzene	98-06-6	5	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	127-18-4	5	1 U	1 U	1 U	1 U	1 U
Toluene	108-88-3	5	1.7	0.25 J	1 U	1 U	1 U
trans-1,2-Dichloroethene	156-60-5	5	1 U	1 U	1 U	1 U	1 U
Trans-1,3-Dichloropropene	10061-02-6	0.4	1 U	1 U	1 U	1 U	1 U
Trichloroethene	79-01-6	5	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	75-69-4	5	1 U	1 U	1 U	1 U	1 U
Trichlortrifluoroethane	26523-64-8	NC	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	75-01-4	2	1 U	1 U	1 U	1 U	1 U
Xylenes (total)	1330-20-7	5	1.18	0	0	0	0
TOTAL VOC TICs	NA	NC	NT	NT	NT	NT	NT

Notes:
All units in micrograms per liter (µg/L)
NT - No TICs identified
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
Total Xylene calculated using o-xylene and m,p-xylene values.
[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.

Exceeds NYS GW Class GA

Table 10A - Groundwater Results - VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	GW-105	GW-106	GW-107	GW-108	MW-3
		Sample ID	42969.40625	42969.39236	42969.38403	42969.36458	MW-3-082316
		Sample Date	GW-105-082217	GW-106-082217	GW-107-082217	GW-108-082217	8/23/2016
		Unit	µg/L	µg/L	µg/L	µg/L	µg/L
		Lab SDG	R1707811	R1707811	R1707811	R1707811	R1608915
Chemical Name	**CAS #**	**NYS GW CLASS GA[1]**					
VOCs							
1,1,1-Trichloroethane	71-55-6	5	1 U	1 U	1 U	1 U	< 1.0 U
1,1,2,2-Tetrachloroethane	79-34-5	5	1 U	1 U	1 U	1 U	< 1.0 U
1,1,2-Trichloroethane	79-00-5	1	1 U	1 U	1 U	1 U	< 1.0 U
1,1-Dichloroethane	75-34-3	5	1 U	1 U	1 U	1 U	< 1.0 U
1,1-Dichloroethene	75-35-4	5	1 U	1 U	1 U	1 U	< 1.0 U
1,2,3-Trichlorobenzene	87-61-6	5	1 U	1 U	1 U	1 U	< 1.0 U
1,2,4-Trichlorobenzene	120-82-1	5	1 U	1 U	1 U	1 U	< 1.0 U
1,2,4-Trimethylbenzene	95-63-6	5	1 U	1 U	1 U	0.32 J	< 1.0 U
1,2-Dibromo-3-chloropropane	96-12-8	0.04	2 U	2 U	2 U	2 U	< 2.0 U
1,2-Dibromoethane	106-93-4	0.0006	1 U	1 U	1 U	1 U	< 1.0 U
1,2-Dichlorobenzene	95-50-1	3	1 U	1 U	1 U	1 U	< 1.0 U
1,2-Dichloroethane	107-06-2	0.6	1 U	1 U	1 U	1 U	< 1.0 U
1,2-Dichloropropane	78-87-5	1	1 U	1 U	1 U	1 U	< 1.0 U
1,3,5-Trimethylbenzene	108-67-8	5	1 U	1 U	1 U	1 U	< 1.0 U
1,3-Dichlorobenzene	541-73-1	3	1 U	1 U	1 U	1 U	< 1.0 U
1,4-Dichlorobenzene	106-46-7	3	1 U	1 U	1 U	1 U	< 1.0 U
1,4-Dioxane	123-91-1	NC	40 R	40 R	40 R	40 R	< 40 R
2-Butanone	78-93-3	50	5 U	5 U	5 U	5 U	< 5.0 U
2-Hexanone	591-78-6	50	5 U	5 U	5 U	5 U	< 5.0 U
4-Isopropyltoluene	99-87-6	5	1 U	1 U	1 U	1 U	< 1.0 U
4-Methyl-2-Pentanone	108-10-1	NC	5 U	5 U	5 U	5 U	< 5.0 U
Acetone	67-64-1	50	5 U	5 U	5 U	5 U	< 5.0 UJ
Benzene	71-43-2	1	1 U	1 U	1 U	0.72 J	< 1.0 U
Bromochloromethane	74-97-5	5	1 U	1 U	1 U	1 U	< 1.0 U
Bromodichloromethane	75-27-4	50	1 U	1 U	1 U	1 U	< 1.0 U
Bromoform	75-25-2	50	1 U	1 U	1 U	1 U	< 1.0 U
Bromomethane	74-83-9	5	1 U	1 U	1 U	1 U	< 1.0 UJ
Carbon disulfide	75-15-0	60	1 U	1 U	1 U	1 U	< 1.0 U
Carbon Tetrachloride	56-23-5	5	1 U	1 U	1 U	1 U	< 1.0 U
Chlorobenzene	108-90-7	5	1 U	1 U	1 U	1 U	< 1.0 U
Chloroethane	75-00-3	5	1 U	1 U	1 U	1 U	< 1.0 U
Chloroform	67-66-3	7	1 U	1 U	1 U	1 U	< 1.0 U
Chloromethane	74-87-3	5	1 U	1 U	1 U	1 U	< 1.0 U
cis-1,2-Dichloroethene	156-59-2	5	1 U	1 U	1 U	1 U	< 1.0 U
Cis-1,3-Dichloropropene	10061-01-5	0.4	1 U	1 U	1 U	1 U	< 1.0 U
Cyclohexane	110-82-7	NC	1 U	1 U	1 U	0.71 J	< 1.0 U
Dibromochloromethane	124-48-1	50	1 U	1 U	1 U	1 U	< 1.0 U
Dichlorodifluoromethane	75-71-8	5	1 U	1 U	1 U	1 U	< 1.0 U
Ethane, 1,1,2-trichloro-1,2,2-trifluoro	76-13-1	5	NA	NA	NA	NA	NA
Ethylbenzene	100-41-4	5	1 U	1 U	1 U	1 U	< 1.0 U
Isopropylbenzene	98-82-8	5	1 U	1 U	1 U	1 U	< 1.0 U
m,p-Xylene	XYLMP	5	2 U	2 U	2 U	0.77 J	< 2.0 U
Methyl Acetate	79-20-9	NC	2 U	2 U	2 U	2 U	< 2.0 U
Methylcyclohexane	108-87-2	NC	1 U	1 U	1 U	0.87 J	< 1.0 U
Methylene Chloride	75-09-2	5	1 U	1 U	1 U	1 U	< 1.0 U
Methyl tert-butyl ether (MTBE)	1634-04-4	10	1 U	1 U	1 U	1 U	< 1.0 U
n-Butylbenzene	104-51-8	5	1 U	1 U	1 U	1 U	< 1.0 U
n-Propylbenzene	103-65-1	5	1 U	1 U	1 U	1 U	< 1.0 U
o-Xylene	95-47-6	5	1 U	1 U	1 U	0.25 J	< 1.0 U
sec-Butylbenzene	135-98-8	5	1 U	1 U	1 U	1 U	< 1.0 U
Styrene	100-42-5	5	1 U	1 U	1 U	1 U	< 1.0 U
Tert-Butylbenzene	98-06-6	5	1 U	1 U	1 U	1 U	< 1.0 U
Tetrachloroethene	127-18-4	5	1 U	1 U	1 U	1 U	< 1.0 U
Toluene	108-88-3	5	1 U	1 U	1 U	0.95 J	< 1.0 U
trans-1,2-Dichloroethene	156-60-5	5	1 U	1 U	1 U	1 U	< 1.0 U
Trans-1,3-Dichloropropene	10061-02-6	0.4	1 U	1 U	1 U	1 U	< 1.0 U
Trichloroethene	79-01-6	5	1 U	1 U	1 U	1 U	< 1.0 U
Trichlorofluoromethane	75-69-4	5	1 U	1 U	1 U	1 U	< 1.0 U
Trichlortrifluoroethane	26523-64-8	NC	1 U	1 U	1 U	1 U	< 1.0 U
Vinyl Chloride	75-01-4	2	1 U	1 U	1 U	1 U	< 1.0 U
Xylenes (total)	1330-20-7	5	0	0	0	1.02	0
TOTAL VOC TICs	NA	NC	NT	NT	NT	NT	NT

Notes:
All units in micrograms per liter (µg/L)
NT - No TICs identified
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
Total Xylene calculated using o-xylene and m,p-xylene values.
[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.

Exceeds NYS GW Class GA

Table 10A - Groundwater Results - VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	MW-3	OVR-100	OVR-100	OVR-101	OVR-101
		Sample ID	MW-3-120916	OVR-100-082316	OVR-100-121316	OVR-101-082416	OVR-101-121316
		Sample Date	12/9/2016	8/23/2016	12/13/2016	8/24/2016	12/13/2016
		Unit	µg/L	µg/L	µg/L	µg/L	µg/L
		Lab SDG	R1612845	R1608915	R1613018	R1608915	R1613018
Chemical Name	CAS #	NYS GW CLASS GA[1]					
VOCs							
1,1,1-Trichloroethane	71-55-6	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,1,2,2-Tetrachloroethane	79-34-5	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,1,2-Trichloroethane	79-00-5	1	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,1-Dichloroethane	75-34-3	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,1-Dichloroethene	75-35-4	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2,3-Trichlorobenzene	87-61-6	5	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2,4-Trichlorobenzene	120-82-1	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2,4-Trimethylbenzene	95-63-6	5	< 1.0 U	3.3	1.5	0.34 J	0.60 J
1,2-Dibromo-3-chloropropane	96-12-8	0.04	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U
1,2-Dibromoethane	106-93-4	0.0006	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2-Dichlorobenzene	95-50-1	3	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2-Dichloroethane	107-06-2	0.6	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2-Dichloropropane	78-87-5	1	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,3,5-Trimethylbenzene	108-67-8	5	< 1.0 U	2.0	0.60 J	0.22 J	0.36 J
1,3-Dichlorobenzene	541-73-1	3	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,4-Dichlorobenzene	106-46-7	3	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,4-Dioxane	123-91-1	NC	< 40 R	< 40 R	< 40 R	< 40 R	< 40 R
2-Butanone	78-93-3	50	< 5.0 U	< 5.0 U	< 5.0 U	2.9 J	< 5.0 U
2-Hexanone	591-78-6	50	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
4-Isopropyltoluene	99-87-6	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
4-Methyl-2-Pentanone	108-10-1	NC	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Acetone	67-64-1	50	< 5.0 UJ	< 5.0 UJ	2.0 J	14 J	2.6 J
Benzene	71-43-2	1	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Bromochloromethane	74-97-5	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Bromodichloromethane	75-27-4	50	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Bromoform	75-25-2	50	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Bromomethane	74-83-9	5	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U
Carbon disulfide	75-15-0	60	< 1.0 U	< 1.0 U	< 1.0 U	0.36 J	< 1.0 U
Carbon Tetrachloride	56-23-5	5	< 1.0 UJ	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 UJ
Chlorobenzene	108-90-7	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Chloroethane	75-00-3	5	< 1.0 U	< 1.0 U	< 1.0 U	0.58 J	< 1.0 U
Chloroform	67-66-3	7	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Chloromethane	74-87-3	5	< 1.0 U	< 1.0 U	< 1.0 U	0.81 J	< 1.0 U
cis-1,2-Dichloroethene	156-59-2	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Cis-1,3-Dichloropropene	10061-01-5	0.4	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Cyclohexane	110-82-7	NC	< 1.0 U	5.9	1.2	7.3	12
Dibromochloromethane	124-48-1	50	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Dichlorodifluoromethane	75-71-8	5	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Ethane, 1,1,2-trichloro-1,2,2-trifluoro	76-13-1	5	NA	NA	NA	NA	NA
Ethylbenzene	100-41-4	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Isopropylbenzene	98-82-8	5	< 1.0 U	0.25 J	< 1.0 U	< 1.0 U	< 1.0 U
m,p-Xylene	XYLMP	5	< 2.0 U	< 2.0 U	< 2.0 U	0.33 J	< 2.0 U
Methyl Acetate	79-20-9	NC	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U
Methylcyclohexane	108-87-2	NC	< 1.0 U	17	3.0	10	19
Methylene Chloride	75-09-2	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Methyl tert-butyl ether (MTBE)	1634-04-4	10	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
n-Butylbenzene	104-51-8	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
n-Propylbenzene	103-65-1	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
o-Xylene	95-47-6	5	< 1.0 U	< 1.0 U	< 1.0 U	0.34 J	0.37 J
sec-Butylbenzene	135-98-8	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	0.36 J
Styrene	100-42-5	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Tert-Butylbenzene	98-06-6	5	< 1.0 U	0.28 J	< 1.0 U	0.25 J	0.55 J
Tetrachloroethene	127-18-4	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Toluene	108-88-3	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
trans-1,2-Dichloroethene	156-60-5	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Trans-1,3-Dichloropropene	10061-02-6	0.4	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Trichloroethene	79-01-6	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Trichlorofluoromethane	75-69-4	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Trichlortrifluoroethane	26523-64-8	NC	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Vinyl Chloride	75-01-4	2	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Xylenes (total)	1330-20-7	5	0	0	0	0.67	0.37
TOTAL VOC TICs	NA	NC	NT	NT	NT	6.5	63.9

Notes:
All units in micrograms per liter (µg/L)
NT - No TICs identified
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
Total Xylene calculated using o-xylene and m,p-xylene values.
[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.

Exceeds NYS GW Class GA

Table 10A - Groundwater Results - VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	OVR-102	OVR-102	OVR-103	OVR-103	OVR-104
		Sample ID	OVR-102-081516	OVR-102-120516	OVR-103-082216	OVR-103-120916	OVR-104-081816
		Sample Date	8/15/2016	12/5/2016	8/22/2016	12/9/2016	8/18/2016
		Unit	µg/L	µg/L	µg/L	µg/L	µg/L
		Lab SDG	R1608604	R1612714	R1608824	R1612845	R1608824
Chemical Name	CAS #	NYS GW CLASS GA[1]					
VOCs							
1,1,1-Trichloroethane	71-55-6	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ
1,1,2,2-Tetrachloroethane	79-34-5	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ
1,1,2-Trichloroethane	79-00-5	1	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ
1,1-Dichloroethane	75-34-3	5	< 1.0 U	< 1.0 U	1.1	2.2	< 1.0 UJ
1,1-Dichloroethene	75-35-4	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ
1,2,3-Trichlorobenzene	87-61-6	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 UJ
1,2,4-Trichlorobenzene	120-82-1	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ
1,2,4-Trimethylbenzene	95-63-6	5	< 1.0 U	< 1.0 U	0.25 J	0.35 J	< 1.0 UJ
1,2-Dibromo-3-chloropropane	96-12-8	0.04	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 UJ
1,2-Dibromoethane	106-93-4	0.0006	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ
1,2-Dichlorobenzene	95-50-1	3	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ
1,2-Dichloroethane	107-06-2	0.6	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ
1,2-Dichloropropane	78-87-5	1	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ
1,3,5-Trimethylbenzene	108-67-8	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ
1,3-Dichlorobenzene	541-73-1	3	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ
1,4-Dichlorobenzene	106-46-7	3	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ
1,4-Dioxane	123-91-1	NC	< 40 R	< 40 R	< 40 R	< 40 R	< 40 R
2-Butanone	78-93-3	50	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ
2-Hexanone	591-78-6	50	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ
4-Isopropyltoluene	99-87-6	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ
4-Methyl-2-Pentanone	108-10-1	NC	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ
Acetone	67-64-1	50	< 5.0 U	< 5.0 UJ	< 5.0 UJ	3.3 J	< 5.0 UJ
Benzene	71-43-2	1	< 1.0 U	< 1.0 U	0.97 J	0.35 J	< 1.0 UJ
Bromochloromethane	74-97-5	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ
Bromodichloromethane	75-27-4	50	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ
Bromoform	75-25-2	50	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ
Bromomethane	74-83-9	5	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 UJ
Carbon disulfide	75-15-0	60	< 1.0 U	< 1.0 U	< 1.0 U	0.38 J	< 1.0 UJ
Carbon Tetrachloride	56-23-5	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 UJ
Chlorobenzene	108-90-7	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ
Chloroethane	75-00-3	5	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 UJ
Chloroform	67-66-3	7	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ
Chloromethane	74-87-3	5	0.32 J	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ
cis-1,2-Dichloroethene	156-59-2	5	< 1.0 U	< 1.0 U	0.42 J	0.69 J	< 1.0 UJ
Cis-1,3-Dichloropropene	10061-01-5	0.4	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ
Cyclohexane	110-82-7	NC	< 1.0 U	< 1.0 U	< 1.0 UJ	0.38 J	< 1.0 UJ
Dibromochloromethane	124-48-1	50	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ
Dichlorodifluoromethane	75-71-8	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 UJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro	76-13-1	5	NA	NA	NA	NA	NA
Ethylbenzene	100-41-4	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ
Isopropylbenzene	98-82-8	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ
m,p-Xylene	XYLMP	5	< 2.0 U	< 2.0 U	0.43 J	0.48 J	< 2.0 UJ
Methyl Acetate	79-20-9	NC	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 UJ
Methylcyclohexane	108-87-2	NC	< 1.0 U	1.2	0.45 J	0.44 J	0.28 J
Methylene Chloride	75-09-2	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ
Methyl tert-butyl ether (MTBE)	1634-04-4	10	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ
n-Butylbenzene	104-51-8	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ
n-Propylbenzene	103-65-1	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ
o-Xylene	95-47-6	5	< 1.0 U	< 1.0 U	0.27 J	0.33 J	< 1.0 UJ
sec-Butylbenzene	135-98-8	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ
Styrene	100-42-5	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ
Tert-Butylbenzene	98-06-6	5	0.21 J	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ
Tetrachloroethene	127-18-4	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ
Toluene	108-88-3	5	< 1.0 U	< 1.0 U	0.22 J	0.37 J	< 1.0 UJ
trans-1,2-Dichloroethene	156-60-5	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ
Trans-1,3-Dichloropropene	10061-02-6	0.4	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ
Trichloroethene	79-01-6	5	< 1.0 U	< 1.0 U	3.0	2.1	< 1.0 UJ
Trichlorofluoromethane	75-69-4	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ
Trichlortrifluoroethane	26523-64-8	NC	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ
Vinyl Chloride	75-01-4	2	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ
Xylenes (total)	1330-20-7	5	0	0	0.7	0.81	0
TOTAL VOC TICs	NA	NC	6.1	NT	NT	NT	NT

Notes:
All units in micrograms per liter (µg/L)
NT - No TICs identified
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
Total Xylene calculated using o-xylene and m,p-xylene values.
[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.

Exceeds NYS GW Class GA

Table 10A - Groundwater Results - VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	OVR-104	OVR-105	OVR-105	OVR-106	OVR-106
		Sample ID	OVR-104-120816	OVR-105-081516	OVR-105-120516	OVR-106-082216	OVR-106-121216
		Sample Date	12/8/2016	8/15/2016	12/5/2016	8/22/2016	12/12/2016
		Unit	µg/L	µg/L	µg/L	µg/L	µg/L
		Lab SDG	R1612845	R1608604	R1612714	R1608915	R1613018
Chemical Name	CAS #	NYS GW CLASS GA[1]					
VOCs							
1,1,1-Trichloroethane	71-55-6	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	0.66 J
1,1,2,2-Tetrachloroethane	79-34-5	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,1,2-Trichloroethane	79-00-5	1	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,1-Dichloroethane	75-34-3	5	< 1.0 U	< 1.0 U	< 1.0 U	1.5	1.8
1,1-Dichloroethene	75-35-4	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2,3-Trichlorobenzene	87-61-6	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2,4-Trichlorobenzene	120-82-1	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2,4-Trimethylbenzene	95-63-6	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2-Dibromo-3-chloropropane	96-12-8	0.04	< 2.0 UJ	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U
1,2-Dibromoethane	106-93-4	0.0006	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2-Dichlorobenzene	95-50-1	3	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2-Dichloroethane	107-06-2	0.6	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2-Dichloropropane	78-87-5	1	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,3,5-Trimethylbenzene	108-67-8	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,3-Dichlorobenzene	541-73-1	3	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,4-Dichlorobenzene	106-46-7	3	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,4-Dioxane	123-91-1	NC	< 40 R	< 40 R	< 40 R	< 40 R	< 40 R
2-Butanone	78-93-3	50	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
2-Hexanone	591-78-6	50	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
4-Isopropyltoluene	99-87-6	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
4-Methyl-2-Pentanone	108-10-1	NC	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Acetone	67-64-1	50	1.4 J	7.4 J	2.0 J	< 5.0 UJ	2.0 J
Benzene	71-43-2	1	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Bromochloromethane	74-97-5	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Bromodichloromethane	75-27-4	50	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Bromoform	75-25-2	50	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Bromomethane	74-83-9	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Carbon disulfide	75-15-0	60	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Carbon Tetrachloride	56-23-5	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ
Chlorobenzene	108-90-7	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Chloroethane	75-00-3	5	< 1.0 UJ	< 1.0 U	< 1.0 UJ	1.9	2.2
Chloroform	67-66-3	7	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Chloromethane	74-87-3	5	< 1.0 U	< 1.0 U	< 1.0 U	0.21 J	< 1.0 U
cis-1,2-Dichloroethene	156-59-2	5	< 1.0 U	< 1.0 U	< 1.0 U	0.33 J	< 1.0 U
Cis-1,3-Dichloropropene	10061-01-5	0.4	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Cyclohexane	110-82-7	NC	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Dibromochloromethane	124-48-1	50	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Dichlorodifluoromethane	75-71-8	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Ethane, 1,1,2-trichloro-1,2,2-trifluoro	76-13-1	5	NA	NA	NA	NA	NA
Ethylbenzene	100-41-4	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Isopropylbenzene	98-82-8	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
m,p-Xylene	XYLMP	5	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U
Methyl Acetate	79-20-9	NC	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U
Methylcyclohexane	108-87-2	NC	< 1.0 U	< 1.0 U	0.60 J	< 1.0 U	< 1.0 U
Methylene Chloride	75-09-2	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Methyl tert-butyl ether (MTBE)	1634-04-4	10	< 1.0 U	< 1.0 U	< 1.0 U	0.48 J	0.74 J
n-Butylbenzene	104-51-8	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
n-Propylbenzene	103-65-1	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
o-Xylene	95-47-6	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
sec-Butylbenzene	135-98-8	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Styrene	100-42-5	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Tert-Butylbenzene	98-06-6	5	< 1.0 U	0.58 J	0.49 J	0.22 J	0.44 J
Tetrachloroethene	127-18-4	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Toluene	108-88-3	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
trans-1,2-Dichloroethene	156-60-5	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Trans-1,3-Dichloropropene	10061-02-6	0.4	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Trichloroethene	79-01-6	5	< 1.0 U	< 1.0 U	< 1.0 U	1.1	0.80 J
Trichlorofluoromethane	75-69-4	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Trichlortrifluoroethane	26523-64-8	NC	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Vinyl Chloride	75-01-4	2	< 1.0 U	< 1.0 U	< 1.0 U	0.50 J	0.36 J
Xylenes (total)	1330-20-7	5	0	0	0	0	0
TOTAL VOC TICs	NA	NC	NT	NT	NT	NT	NT

Notes:
All units in micrograms per liter (µg/L)
NT - No TICs identified
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
Total Xylene calculated using o-xylene and m,p-xylene values.
[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.

Exceeds NYS GW Class GA

Table 10A - Groundwater Results - VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	OVR-107	OVR-107	OVR-108	OVR-108	OVR-109
		Sample ID	OVR-107-082316	OVR-107-121216	OVR-108-082216	OVR-108-121216	OVR-109-082216
		Sample Date	8/23/2016	12/12/2016	8/22/2016	12/12/2016	8/22/2016
		Unit	µg/L	µg/L	µg/L	µg/L	µg/L
		Lab SDG	R1608915	R1613018	R1608824	R1613018	R1608824
Chemical Name	CAS #	NYS GW CLASS GA[1]					
VOCs							
1,1,1-Trichloroethane	71-55-6	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	0.84 J
1,1,2,2-Tetrachloroethane	79-34-5	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,1,2-Trichloroethane	79-00-5	1	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,1-Dichloroethane	75-34-3	5	< 1.0 U	< 1.0 U	2.1	< 1.0 U	1.9
1,1-Dichloroethene	75-35-4	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2,3-Trichlorobenzene	87-61-6	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2,4-Trichlorobenzene	120-82-1	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2,4-Trimethylbenzene	95-63-6	5	0.78 J	2.5	< 1.0 U	< 1.0 U	< 1.0 U
1,2-Dibromo-3-chloropropane	96-12-8	0.04	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U
1,2-Dibromoethane	106-93-4	0.0006	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2-Dichlorobenzene	95-50-1	3	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2-Dichloroethane	107-06-2	0.6	0.43 J	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2-Dichloropropane	78-87-5	1	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,3,5-Trimethylbenzene	108-67-8	5	0.39 J	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,3-Dichlorobenzene	541-73-1	3	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,4-Dichlorobenzene	106-46-7	3	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,4-Dioxane	123-91-1	NC	< 40 R	< 40 R	< 40 R	< 40 R	< 40 R
2-Butanone	78-93-3	50	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
2-Hexanone	591-78-6	50	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
4-Isopropyltoluene	99-87-6	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
4-Methyl-2-Pentanone	108-10-1	NC	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Acetone	67-64-1	50	11 J	3.2 J	< 5.0 UJ	1.4 J	< 5.0 UJ
Benzene	71-43-2	1	7.7	1.0	< 1.0 U	< 1.0 U	< 1.0 U
Bromochloromethane	74-97-5	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Bromodichloromethane	75-27-4	50	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Bromoform	75-25-2	50	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Bromomethane	74-83-9	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Carbon disulfide	75-15-0	60	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Carbon Tetrachloride	56-23-5	5	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 UJ	< 1.0 U
Chlorobenzene	108-90-7	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Chloroethane	75-00-3	5	54	11	5.4	< 1.0 U	0.57 J
Chloroform	67-66-3	7	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Chloromethane	74-87-3	5	0.29 J	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
cis-1,2-Dichloroethene	156-59-2	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	2.8
Cis-1,3-Dichloropropene	10061-01-5	0.4	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Cyclohexane	110-82-7	NC	6.2	1.1	< 1.0 UJ	< 1.0 U	< 1.0 UJ
Dibromochloromethane	124-48-1	50	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Dichlorodifluoromethane	75-71-8	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Ethane, 1,1,2-trichloro-1,2,2-trifluoro	76-13-1	5	NA	NA	NA	NA	NA
Ethylbenzene	100-41-4	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Isopropylbenzene	98-82-8	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
m,p-Xylene	XYLMP	5	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U
Methyl Acetate	79-20-9	NC	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U
Methylcyclohexane	108-87-2	NC	2.1	0.42 J	< 1.0 U	< 1.0 U	0.94 J
Methylene Chloride	75-09-2	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Methyl tert-butyl ether (MTBE)	1634-04-4	10	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
n-Butylbenzene	104-51-8	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
n-Propylbenzene	103-65-1	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
o-Xylene	95-47-6	5	0.25 J	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
sec-Butylbenzene	135-98-8	5	< 1.0 U	0.29 J	< 1.0 U	< 1.0 U	< 1.0 U
Styrene	100-42-5	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Tert-Butylbenzene	98-06-6	5	1.1	0.40 J	0.28 J	< 1.0 U	< 1.0 U
Tetrachloroethene	127-18-4	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Toluene	108-88-3	5	0.28 J	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
trans-1,2-Dichloroethene	156-60-5	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Trans-1,3-Dichloropropene	10061-02-6	0.4	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Trichloroethene	79-01-6	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	7.3
Trichlorofluoromethane	75-69-4	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Trichlortrifluoroethane	26523-64-8	NC	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Vinyl Chloride	75-01-4	2	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	1.1
Xylenes (total)	1330-20-7	5	0.25	0	0	0	0
TOTAL VOC TICs	NA	NC	34.5	NT	NT	NT	NT

Notes:
All units in micrograms per liter (µg/L)
NT - No TICs identified
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
Total Xylene calculated using o-xylene and m,p-xylene values.
[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.

Exceeds NYS GW Class GA

Table 10A - Groundwater Results - VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	OVR-109	OVR-110	OVR-110	OVR-111	OVR-111
		Sample ID	OVR-109-121216	OVR-110-081616	OVR-110-120516	OVR-111-082216	OVR-111-120916
		Sample Date	12/12/2016	8/15/2016	12/5/2016	8/22/2016	12/9/2016
		Unit	µg/L	µg/L	µg/L	µg/L	µg/L
		Lab SDG	R1613018	R1608604	R1612714	R1608824	R1612845
Chemical Name	CAS #	NYS GW CLASS GA[1]					
VOCs							
1,1,1-Trichloroethane	71-55-6	5	0.39 J	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,1,2,2-Tetrachloroethane	79-34-5	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,1,2-Trichloroethane	79-00-5	1	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,1-Dichloroethane	75-34-3	5	1.2	< 1.0 U	< 1.0 U	0.46 J	0.93 J
1,1-Dichloroethene	75-35-4	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2,3-Trichlorobenzene	87-61-6	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ
1,2,4-Trichlorobenzene	120-82-1	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2,4-Trimethylbenzene	95-63-6	5	< 1.0 U	3.0	1.0	< 1.0 U	< 1.0 U
1,2-Dibromo-3-chloropropane	96-12-8	0.04	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U
1,2-Dibromoethane	106-93-4	0.0006	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2-Dichlorobenzene	95-50-1	3	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2-Dichloroethane	107-06-2	0.6	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2-Dichloropropane	78-87-5	1	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,3,5-Trimethylbenzene	108-67-8	5	< 1.0 U	1.9	0.62 J	< 1.0 U	< 1.0 U
1,3-Dichlorobenzene	541-73-1	3	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,4-Dichlorobenzene	106-46-7	3	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,4-Dioxane	123-91-1	NC	< 40 R	< 40 R	< 40 R	< 40 R	< 40 R
2-Butanone	78-93-3	50	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
2-Hexanone	591-78-6	50	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
4-Isopropyltoluene	99-87-6	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
4-Methyl-2-Pentanone	108-10-1	NC	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Acetone	67-64-1	50	1.4 J	7.1 J	3.0 J	< 5.0 UJ	< 5.0 UJ
Benzene	71-43-2	1	< 1.0 U	1.2	0.60 J	< 1.0 U	< 1.0 U
Bromochloromethane	74-97-5	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Bromodichloromethane	75-27-4	50	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Bromoform	75-25-2	50	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Bromomethane	74-83-9	5	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 UJ	< 1.0 U
Carbon disulfide	75-15-0	60	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Carbon Tetrachloride	56-23-5	5	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ
Chlorobenzene	108-90-7	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Chloroethane	75-00-3	5	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U
Chloroform	67-66-3	7	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Chloromethane	74-87-3	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
cis-1,2-Dichloroethene	156-59-2	5	1.3	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Cis-1,3-Dichloropropene	10061-01-5	0.4	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Cyclohexane	110-82-7	NC	< 1.0 U	12	5.1	< 1.0 U	< 1.0 U
Dibromochloromethane	124-48-1	50	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Dichlorodifluoromethane	75-71-8	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ
Ethane, 1,1,2-trichloro-1,2,2-trifluoro	76-13-1	5	NA	NA	NA	NA	NA
Ethylbenzene	100-41-4	5	< 1.0 U	0.24 J	< 1.0 U	< 1.0 U	< 1.0 U
Isopropylbenzene	98-82-8	5	< 1.0 U	0.35 J	< 1.0 U	< 1.0 U	< 1.0 U
m,p-Xylene	XYLMP	5	< 2.0 U	3.2	1.3 J	< 2.0 U	< 2.0 U
Methyl Acetate	79-20-9	NC	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U
Methylcyclohexane	108-87-2	NC	< 1.0 U	19	7.9	< 1.0 U	< 1.0 U
Methylene Chloride	75-09-2	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Methyl tert-butyl ether (MTBE)	1634-04-4	10	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
n-Butylbenzene	104-51-8	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
n-Propylbenzene	103-65-1	5	< 1.0 U	0.21 J	< 1.0 U	< 1.0 U	< 1.0 U
o-Xylene	95-47-6	5	< 1.0 U	0.79 J	0.38 J	< 1.0 U	< 1.0 U
sec-Butylbenzene	135-98-8	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Styrene	100-42-5	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Tert-Butylbenzene	98-06-6	5	< 1.0 U	0.33 J	< 1.0 U	< 1.0 U	< 1.0 U
Tetrachloroethene	127-18-4	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Toluene	108-88-3	5	< 1.0 U	0.28 J	< 1.0 U	< 1.0 U	< 1.0 U
trans-1,2-Dichloroethene	156-60-5	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Trans-1,3-Dichloropropene	10061-02-6	0.4	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Trichloroethene	79-01-6	5	4.0	< 1.0 U	< 1.0 U	0.44 J	0.45 J
Trichlorofluoromethane	75-69-4	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Trichlortrifluoroethane	26523-64-8	NC	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Vinyl Chloride	75-01-4	2	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Xylenes (total)	1330-20-7	5	0	3.99	1.68	0	0
TOTAL VOC TICs	NA	NC	NT	25.1	NT	NT	NT

Notes:
All units in micrograms per liter (µg/L)
NT - No TICs identified
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
Total Xylene calculated using o-xylene and m,p-xylene values.
[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.

Exceeds NYS GW Class GA

Table 10A - Groundwater Results - VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location Sample ID Sample Date Unit Lab SDG	OVR-112 OVR-112-081916 8/19/2016 µg/L R1608824	OVR-112 OVR-112-120816 12/8/2016 µg/L R1612845	OVR-113 OVR-113-081916 8/19/2016 µg/L R1608824	OVR-113 OVR-113-120816 12/8/2016 µg/L R1612845	OVR-114 OVR-114-081616 8/15/2016 µg/L R1608604
Chemical Name	**CAS #**	**NYS GW CLASS GA[1]**					
VOCs							
1,1,1-Trichloroethane	71-55-6	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,1,2,2-Tetrachloroethane	79-34-5	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,1,2-Trichloroethane	79-00-5	1	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,1-Dichloroethane	75-34-3	5	< 1.0 U	< 1.0 U	1.7	1.4	< 1.0 U
1,1-Dichloroethene	75-35-4	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2,3-Trichlorobenzene	87-61-6	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2,4-Trichlorobenzene	120-82-1	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2,4-Trimethylbenzene	95-63-6	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2-Dibromo-3-chloropropane	96-12-8	0.04	< 2.0 U	< 2.0 UJ	< 2.0 U	< 2.0 UJ	< 2.0 U
1,2-Dibromoethane	106-93-4	0.0006	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2-Dichlorobenzene	95-50-1	3	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2-Dichloroethane	107-06-2	0.6	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2-Dichloropropane	78-87-5	1	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,3,5-Trimethylbenzene	108-67-8	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,3-Dichlorobenzene	541-73-1	3	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,4-Dichlorobenzene	106-46-7	3	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,4-Dioxane	123-91-1	NC	< 40 R	< 40 R	< 40 R	< 40 R	< 40 R
2-Butanone	78-93-3	50	2.1 J	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
2-Hexanone	591-78-6	50	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
4-Isopropyltoluene	99-87-6	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
4-Methyl-2-Pentanone	108-10-1	NC	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Acetone	67-64-1	50	6.3	1.9 J	< 5.0 UJ	1.3 J	< 5.0 UJ
Benzene	71-43-2	1	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Bromochloromethane	74-97-5	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Bromodichloromethane	75-27-4	50	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Bromoform	75-25-2	50	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Bromomethane	74-83-9	5	< 1.0 UJ	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U
Carbon disulfide	75-15-0	60	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Carbon Tetrachloride	56-23-5	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Chlorobenzene	108-90-7	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Chloroethane	75-00-3	5	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 UJ	< 1.0 U
Chloroform	67-66-3	7	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Chloromethane	74-87-3	5	0.22 J	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
cis-1,2-Dichloroethene	156-59-2	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Cis-1,3-Dichloropropene	10061-01-5	0.4	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Cyclohexane	110-82-7	NC	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Dibromochloromethane	124-48-1	50	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Dichlorodifluoromethane	75-71-8	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Ethane, 1,1,2-trichloro-1,2,2-trifluoro	76-13-1	5	NA	NA	NA	NA	NA
Ethylbenzene	100-41-4	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Isopropylbenzene	98-82-8	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
m,p-Xylene	XYLMP	5	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U
Methyl Acetate	79-20-9	NC	< 2.0 UJ	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U
Methylcyclohexane	108-87-2	NC	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Methylene Chloride	75-09-2	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Methyl tert-butyl ether (MTBE)	1634-04-4	10	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
n-Butylbenzene	104-51-8	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
n-Propylbenzene	103-65-1	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
o-Xylene	95-47-6	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
sec-Butylbenzene	135-98-8	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Styrene	100-42-5	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Tert-Butylbenzene	98-06-6	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Tetrachloroethene	127-18-4	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Toluene	108-88-3	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
trans-1,2-Dichloroethene	156-60-5	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Trans-1,3-Dichloropropene	10061-02-6	0.4	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Trichloroethene	79-01-6	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Trichlorofluoromethane	75-69-4	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Trichlortrifluoroethane	26523-64-8	NC	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Vinyl Chloride	75-01-4	2	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Xylenes (total)	1330-20-7	5	0	0	0	0	0
TOTAL VOC TICs	NA	NC	NT	NT	NT	NT	NT

Notes:
All units in micrograms per liter (µg/L)
NT - No TICs identified
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
Total Xylene calculated using o-xylene and m,p-xylene values.
[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.

Exceeds NYS GW Class GA

Table 10A - Groundwater Results - VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	OVR-114	OVR-115	OVR-115	OVR-116	OVR-116
		Sample ID	OVR-114-120516	OVR-115-081616	OVR-115-120616	DUP-011-081616	OVR-116-081616
		Sample Date	12/5/2016	8/15/2016	12/6/2016	8/15/2016	8/16/2016
		Unit	µg/L	µg/L	µg/L	µg/L	µg/L
		Lab SDG	R1612714	R1608604	R1612714	R1608604	R1608604
Chemical Name	CAS #	NYS GW CLASS GA[1]					
VOCs							
1,1,1-Trichloroethane	71-55-6	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,1,2,2-Tetrachloroethane	79-34-5	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,1,2-Trichloroethane	79-00-5	1	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,1-Dichloroethane	75-34-3	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,1-Dichloroethene	75-35-4	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2,3-Trichlorobenzene	87-61-6	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2,4-Trichlorobenzene	120-82-1	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2,4-Trimethylbenzene	95-63-6	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2-Dibromo-3-chloropropane	96-12-8	0.04	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U
1,2-Dibromoethane	106-93-4	0.0006	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2-Dichlorobenzene	95-50-1	3	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2-Dichloroethane	107-06-2	0.6	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2-Dichloropropane	78-87-5	1	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,3,5-Trimethylbenzene	108-67-8	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,3-Dichlorobenzene	541-73-1	3	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,4-Dichlorobenzene	106-46-7	3	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,4-Dioxane	123-91-1	NC	< 40 R	< 40 R	< 40 R	< 40 R	< 40 R
2-Butanone	78-93-3	50	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
2-Hexanone	591-78-6	50	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
4-Isopropyltoluene	99-87-6	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
4-Methyl-2-Pentanone	108-10-1	NC	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Acetone	67-64-1	50	< 5.0 UJ	< 5.0 UJ	< 5.0 UJ	< 5.0 UJ	< 5.0 UJ
Benzene	71-43-2	1	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Bromochloromethane	74-97-5	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Bromodichloromethane	75-27-4	50	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Bromoform	75-25-2	50	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Bromomethane	74-83-9	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Carbon disulfide	75-15-0	60	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Carbon Tetrachloride	56-23-5	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Chlorobenzene	108-90-7	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Chloroethane	75-00-3	5	< 1.0 UJ	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U
Chloroform	67-66-3	7	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Chloromethane	74-87-3	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
cis-1,2-Dichloroethene	156-59-2	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Cis-1,3-Dichloropropene	10061-01-5	0.4	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Cyclohexane	110-82-7	NC	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Dibromochloromethane	124-48-1	50	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Dichlorodifluoromethane	75-71-8	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Ethane, 1,1,2-trichloro-1,2,2-trifluoro	76-13-1	5	NA	NA	NA	NA	NA
Ethylbenzene	100-41-4	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Isopropylbenzene	98-82-8	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
m,p-Xylene	XYLMP	5	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U
Methyl Acetate	79-20-9	NC	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U
Methylcyclohexane	108-87-2	NC	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Methylene Chloride	75-09-2	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Methyl tert-butyl ether (MTBE)	1634-04-4	10	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
n-Butylbenzene	104-51-8	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
n-Propylbenzene	103-65-1	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
o-Xylene	95-47-6	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
sec-Butylbenzene	135-98-8	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Styrene	100-42-5	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Tert-Butylbenzene	98-06-6	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Tetrachloroethene	127-18-4	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Toluene	108-88-3	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
trans-1,2-Dichloroethene	156-60-5	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Trans-1,3-Dichloropropene	10061-02-6	0.4	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Trichloroethene	79-01-6	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Trichlorofluoromethane	75-69-4	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Trichlortrifluoroethane	26523-64-8	NC	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Vinyl Chloride	75-01-4	2	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Xylenes (total)	1330-20-7	5	0	0	0	0	0
TOTAL VOC TICs	NA	NC	NT	NT	NT	NT	NT

Notes:
All units in micrograms per liter (µg/L)
NT - No TICs identified
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
Total Xylene calculated using o-xylene and m,p-xylene values.
[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.

Exceeds NYS GW Class GA

Table 10A - Groundwater Results - VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	OVR-116	OVR-117	OVR-117	OVR-118	OVR-118
		Sample ID	OVR-116-120616	OVR-117-082416	OVR-117-121316	OVR-118-081816	OVR-118-120716
		Sample Date	12/6/2016	8/24/2016	12/13/2016	8/18/2016	12/7/2016
		Unit	µg/L	µg/L	µg/L	µg/L	µg/L
		Lab SDG	R1612714	R1608915	R1613018	R1608688	R1612845
Chemical Name	CAS #	NYS GW CLASS GA[1]					
VOCs							
1,1,1-Trichloroethane	71-55-6	5	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U	< 1.0 U
1,1,2,2-Tetrachloroethane	79-34-5	5	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U	< 1.0 U
1,1,2-Trichloroethane	79-00-5	1	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U	< 1.0 U
1,1-Dichloroethane	75-34-3	5	< 1.0 U	< 1.0 U	< 5.0 U	0.31 J	< 1.0 U
1,1-Dichloroethene	75-35-4	5	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U	< 1.0 U
1,2,3-Trichlorobenzene	87-61-6	5	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U	< 1.0 U
1,2,4-Trichlorobenzene	120-82-1	5	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U	< 1.0 U
1,2,4-Trimethylbenzene	95-63-6	5	< 1.0 U	8.7	3.0 J	< 1.0 U	< 1.0 U
1,2-Dibromo-3-chloropropane	96-12-8	0.04	< 2.0 U	< 2.0 U	< 10 U	< 2.0 U	< 2.0 UJ
1,2-Dibromoethane	106-93-4	0.0006	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U	< 1.0 U
1,2-Dichlorobenzene	95-50-1	3	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U	< 1.0 U
1,2-Dichloroethane	107-06-2	0.6	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U	< 1.0 U
1,2-Dichloropropane	78-87-5	1	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U	< 1.0 U
1,3,5-Trimethylbenzene	108-67-8	5	< 1.0 U	11	3.1 J	< 1.0 U	< 1.0 U
1,3-Dichlorobenzene	541-73-1	3	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U	< 1.0 U
1,4-Dichlorobenzene	106-46-7	3	< 1.0 U	< 1.0 U	< 5.0 U	0.74 J	1.3
1,4-Dioxane	123-91-1	NC	< 40 R	< 40 R	< 200 R	< 40 R	< 40 R
2-Butanone	78-93-3	50	< 5.0 U	150	36	< 5.0 U	< 5.0 U
2-Hexanone	591-78-6	50	< 5.0 U	87	< 25 U	< 5.0 U	< 5.0 U
4-Isopropyltoluene	99-87-6	5	< 1.0 U	0.33 J	< 5.0 U	< 1.0 U	< 1.0 U
4-Methyl-2-Pentanone	108-10-1	NC	< 5.0 U	15	< 25 U	< 5.0 U	< 5.0 U
Acetone	67-64-1	50	< 5.0 UJ	170 J	54 J	< 5.0 UJ	< 5.0 UJ
Benzene	71-43-2	1	< 1.0 U	4.9	< 5.0 U	< 1.0 U	< 1.0 U
Bromochloromethane	74-97-5	5	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U	< 1.0 U
Bromodichloromethane	75-27-4	50	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U	< 1.0 U
Bromoform	75-25-2	50	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U	< 1.0 U
Bromomethane	74-83-9	5	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U	< 1.0 U
Carbon disulfide	75-15-0	60	< 1.0 U	9.4	1.3 J	< 1.0 U	< 1.0 U
Carbon Tetrachloride	56-23-5	5	< 1.0 U	< 1.0 U	< 5.0 UJ	< 1.0 U	< 1.0 U
Chlorobenzene	108-90-7	5	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U	< 1.0 U
Chloroethane	75-00-3	5	< 1.0 UJ	0.62 J	1.9 J	< 1.0 U	< 1.0 UJ
Chloroform	67-66-3	7	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U	< 1.0 U
Chloromethane	74-87-3	5	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U	< 1.0 U
cis-1,2-Dichloroethene	156-59-2	5	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U	< 1.0 U
Cis-1,3-Dichloropropene	10061-01-5	0.4	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U	< 1.0 U
Cyclohexane	110-82-7	NC	< 1.0 U	1.6	< 5.0 U	< 1.0 U	< 1.0 U
Dibromochloromethane	124-48-1	50	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U	< 1.0 U
Dichlorodifluoromethane	75-71-8	5	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U	< 1.0 U
Ethane, 1,1,2-trichloro-1,2,2-trifluoro	76-13-1	5	NA	NA	NA	NA	NA
Ethylbenzene	100-41-4	5	< 1.0 U	8.5	2.2 J	< 1.0 U	< 1.0 U
Isopropylbenzene	98-82-8	5	< 1.0 U	0.99 J	< 5.0 U	< 1.0 U	< 1.0 U
m,p-Xylene	XYLMP	5	< 2.0 U	26	5.8 J	< 2.0 U	< 2.0 U
Methyl Acetate	79-20-9	NC	< 2.0 U	< 2.0 U	< 10 U	< 2.0 U	< 2.0 U
Methylcyclohexane	108-87-2	NC	< 1.0 U	4.9	3.0 J	< 1.0 U	< 1.0 U
Methylene Chloride	75-09-2	5	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U	< 1.0 U
Methyl tert-butyl ether (MTBE)	1634-04-4	10	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U	< 1.0 U
n-Butylbenzene	104-51-8	5	< 1.0 U	0.40 J	< 5.0 U	< 1.0 U	< 1.0 U
n-Propylbenzene	103-65-1	5	< 1.0 U	1.5	< 5.0 U	< 1.0 U	< 1.0 U
o-Xylene	95-47-6	5	< 1.0 U	7.2	< 5.0 U	< 1.0 U	< 1.0 U
sec-Butylbenzene	135-98-8	5	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U	< 1.0 U
Styrene	100-42-5	5	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U	< 1.0 U
Tert-Butylbenzene	98-06-6	5	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U	< 1.0 U
Tetrachloroethene	127-18-4	5	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U	< 1.0 U
Toluene	108-88-3	5	< 1.0 U	22	2.3 J	< 1.0 U	< 1.0 U
trans-1,2-Dichloroethene	156-60-5	5	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U	< 1.0 U
Trans-1,3-Dichloropropene	10061-02-6	0.4	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U	< 1.0 U
Trichloroethene	79-01-6	5	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U	< 1.0 U
Trichlorofluoromethane	75-69-4	5	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U	< 1.0 U
Trichlortrifluoroethane	26523-64-8	NC	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U	< 1.0 U
Vinyl Chloride	75-01-4	2	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U	< 1.0 U
Xylenes (total)	1330-20-7	5	0	33.2	5.8	0	0
TOTAL VOC TICs	NA	NC	NT	438	NT	NT	NT

Notes:
All units in micrograms per liter (µg/L)
NT - No TICs identified
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
Total Xylene calculated using o-xylene and m,p-xylene values.
[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.

Exceeds NYS GW Class GA

Table 10A - Groundwater Results - VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	OVR-119	OVR-119	OVR-120	OVR-120	OVR-121
		Sample ID	OVR-119-081916	OVR-119-120816	OVR-120-081816	OVR-120-120816	OVR-121-081616
		Sample Date	8/19/2016	12/8/2016	8/18/2016	12/8/2016	8/16/2016
		Unit	µg/L	µg/L	µg/L	µg/L	µg/L
		Lab SDG	R1608824	R1612845	R1608688	R1612845	R1608688
Chemical Name	CAS #	NYS GW CLASS GA[1]					
VOCs							
1,1,1-Trichloroethane	71-55-6	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,1,2,2-Tetrachloroethane	79-34-5	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,1,2-Trichloroethane	79-00-5	1	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,1-Dichloroethane	75-34-3	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,1-Dichloroethene	75-35-4	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2,3-Trichlorobenzene	87-61-6	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2,4-Trichlorobenzene	120-82-1	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2,4-Trimethylbenzene	95-63-6	5	0.21 J	0.21 J	< 1.0 U	< 1.0 U	< 1.0 U
1,2-Dibromo-3-chloropropane	96-12-8	0.04	< 2.0 U	< 2.0 UJ	< 2.0 U	< 2.0 UJ	< 2.0 U
1,2-Dibromoethane	106-93-4	0.0006	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2-Dichlorobenzene	95-50-1	3	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2-Dichloroethane	107-06-2	0.6	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2-Dichloropropane	78-87-5	1	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,3,5-Trimethylbenzene	108-67-8	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,3-Dichlorobenzene	541-73-1	3	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,4-Dichlorobenzene	106-46-7	3	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,4-Dioxane	123-91-1	NC	< 40 R	< 40 R	< 40 R	< 40 R	< 40 R
2-Butanone	78-93-3	50	0.93 J	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
2-Hexanone	591-78-6	50	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
4-Isopropyltoluene	99-87-6	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
4-Methyl-2-Pentanone	108-10-1	NC	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Acetone	67-64-1	50	< 5.0 UJ	5.1 J	< 5.0 U	< 5.0 UJ	< 5.0 U
Benzene	71-43-2	1	0.73 J	0.71 J	< 1.0 U	< 1.0 U	< 1.0 U
Bromochloromethane	74-97-5	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Bromodichloromethane	75-27-4	50	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Bromoform	75-25-2	50	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Bromomethane	74-83-9	5	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ
Carbon disulfide	75-15-0	60	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	0.73 J
Carbon Tetrachloride	56-23-5	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Chlorobenzene	108-90-7	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Chloroethane	75-00-3	5	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 UJ	< 1.0 U
Chloroform	67-66-3	7	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Chloromethane	74-87-3	5	< 1.0 U	0.29 J	< 1.0 U	< 1.0 U	< 1.0 UJ
cis-1,2-Dichloroethene	156-59-2	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Cis-1,3-Dichloropropene	10061-01-5	0.4	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Cyclohexane	110-82-7	NC	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Dibromochloromethane	124-48-1	50	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Dichlorodifluoromethane	75-71-8	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Ethane, 1,1,2-trichloro-1,2,2-trifluoro	76-13-1	5	NA	NA	NA	NA	NA
Ethylbenzene	100-41-4	5	0.33 J	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Isopropylbenzene	98-82-8	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
m,p-Xylene	XYLMP	5	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U
Methyl Acetate	79-20-9	NC	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U
Methylcyclohexane	108-87-2	NC	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Methylene Chloride	75-09-2	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Methyl tert-butyl ether (MTBE)	1634-04-4	10	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
n-Butylbenzene	104-51-8	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
n-Propylbenzene	103-65-1	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
o-Xylene	95-47-6	5	< 1.0 U	0.27 J	< 1.0 U	< 1.0 U	< 1.0 U
sec-Butylbenzene	135-98-8	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Styrene	100-42-5	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Tert-Butylbenzene	98-06-6	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Tetrachloroethene	127-18-4	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Toluene	108-88-3	5	< 1.0 U	0.26 J	< 1.0 U	< 1.0 U	< 1.0 U
trans-1,2-Dichloroethene	156-60-5	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Trans-1,3-Dichloropropene	10061-02-6	0.4	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Trichloroethene	79-01-6	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Trichlorofluoromethane	75-69-4	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Trichlortrifluoroethane	26523-64-8	NC	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Vinyl Chloride	75-01-4	2	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Xylenes (total)	1330-20-7	5	0	0.27	0	0	0
TOTAL VOC TICs	NA	NC	NT	NT	NT	NT	12

Notes:
All units in micrograms per liter (µg/L)
NT - No TICs identified
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
Total Xylene calculated using o-xylene and m,p-xylene values.
[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.

Exceeds NYS GW Class GA

Table 10A - Groundwater Results - VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	OVR-121	OVR-122	OVR-122	OVR-123	OVR-123
		Sample ID	OVR-121-120616	OVR-122-081816	OVR-122-120716	OVR-123-081816	OVR-123-120716
		Sample Date	12/6/2016	8/18/2016	12/7/2016	8/18/2016	12/7/2016
		Unit	µg/L	µg/L	µg/L	µg/L	µg/L
		Lab SDG	R1612714	R1608688	R1612845	R1608688	R1612845
Chemical Name	CAS #	NYS GW CLASS GA[1]					
VOCs							
1,1,1-Trichloroethane	71-55-6	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,1,2,2-Tetrachloroethane	79-34-5	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,1,2-Trichloroethane	79-00-5	1	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,1-Dichloroethane	75-34-3	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,1-Dichloroethene	75-35-4	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2,3-Trichlorobenzene	87-61-6	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2,4-Trichlorobenzene	120-82-1	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2,4-Trimethylbenzene	95-63-6	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2-Dibromo-3-chloropropane	96-12-8	0.04	< 2.0 U	< 2.0 U	< 2.0 UJ	< 2.0 U	< 2.0 UJ
1,2-Dibromoethane	106-93-4	0.0006	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2-Dichlorobenzene	95-50-1	3	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2-Dichloroethane	107-06-2	0.6	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2-Dichloropropane	78-87-5	1	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,3,5-Trimethylbenzene	108-67-8	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,3-Dichlorobenzene	541-73-1	3	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,4-Dichlorobenzene	106-46-7	3	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,4-Dioxane	123-91-1	NC	< 40 R	< 40 R	< 40 R	< 40 R	< 40 R
2-Butanone	78-93-3	50	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
2-Hexanone	591-78-6	50	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
4-Isopropyltoluene	99-87-6	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
4-Methyl-2-Pentanone	108-10-1	NC	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Acetone	67-64-1	50	1.9 J	< 5.0 U	< 5.0 UJ	< 5.0 U	3.7 J
Benzene	71-43-2	1	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Bromochloromethane	74-97-5	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Bromodichloromethane	75-27-4	50	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Bromoform	75-25-2	50	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Bromomethane	74-83-9	5	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Carbon disulfide	75-15-0	60	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Carbon Tetrachloride	56-23-5	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Chlorobenzene	108-90-7	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Chloroethane	75-00-3	5	< 1.0 UJ	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 UJ
Chloroform	67-66-3	7	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Chloromethane	74-87-3	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
cis-1,2-Dichloroethene	156-59-2	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Cis-1,3-Dichloropropene	10061-01-5	0.4	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Cyclohexane	110-82-7	NC	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Dibromochloromethane	124-48-1	50	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Dichlorodifluoromethane	75-71-8	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Ethane, 1,1,2-trichloro-1,2,2-trifluoro	76-13-1	5	NA	NA	NA	NA	NA
Ethylbenzene	100-41-4	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Isopropylbenzene	98-82-8	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
m,p-Xylene	XYLMP	5	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U
Methyl Acetate	79-20-9	NC	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U
Methylcyclohexane	108-87-2	NC	< 1.0 U	< 1.0 U	< 1.0 U	0.41 J	< 1.0 U
Methylene Chloride	75-09-2	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Methyl tert-butyl ether (MTBE)	1634-04-4	10	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
n-Butylbenzene	104-51-8	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
n-Propylbenzene	103-65-1	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
o-Xylene	95-47-6	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
sec-Butylbenzene	135-98-8	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Styrene	100-42-5	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Tert-Butylbenzene	98-06-6	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Tetrachloroethene	127-18-4	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Toluene	108-88-3	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
trans-1,2-Dichloroethene	156-60-5	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Trans-1,3-Dichloropropene	10061-02-6	0.4	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Trichloroethene	79-01-6	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Trichlorofluoromethane	75-69-4	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Trichlortrifluoroethane	26523-64-8	NC	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Vinyl Chloride	75-01-4	2	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Xylenes (total)	1330-20-7	5	0	0	0	0	0
TOTAL VOC TICs	NA	NC	NT	NT	NT	NT	NT

Notes:
All units in micrograms per liter (µg/L)
NT - No TICs identified
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
Total Xylene calculated using o-xylene and m,p-xylene values.
[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.

Exceeds NYS GW Class GA

Table 10A - Groundwater Results - VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	OVR-124	OVR-124	OVR-124	OVR-125	OVR-125
		Sample ID	OVR-124-081716	DUP-015-120716	OVR-124-120716	OVR-125-081716	OVR-125-120616
		Sample Date	8/17/2016	12/7/2016	12/7/2016	8/17/2016	12/6/2016
		Unit	µg/L	µg/L	µg/L	µg/L	µg/L
		Lab SDG	R1608688	R1612845	R1612845	R1608688	R1612714
Chemical Name	CAS #	NYS GW CLASS GA[1]					
VOCs							
1,1,1-Trichloroethane	71-55-6	5	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,1,2,2-Tetrachloroethane	79-34-5	5	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,1,2-Trichloroethane	79-00-5	1	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,1-Dichloroethane	75-34-3	5	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,1-Dichloroethene	75-35-4	5	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2,3-Trichlorobenzene	87-61-6	5	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2,4-Trichlorobenzene	120-82-1	5	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2,4-Trimethylbenzene	95-63-6	5	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2-Dibromo-3-chloropropane	96-12-8	0.04	< 2.0 UJ	< 2.0 UJ	< 2.0 UJ	< 2.0 U	< 2.0 U
1,2-Dibromoethane	106-93-4	0.0006	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2-Dichlorobenzene	95-50-1	3	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2-Dichloroethane	107-06-2	0.6	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2-Dichloropropane	78-87-5	1	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,3,5-Trimethylbenzene	108-67-8	5	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,3-Dichlorobenzene	541-73-1	3	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,4-Dichlorobenzene	106-46-7	3	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,4-Dioxane	123-91-1	NC	< 40 R	< 40 R	< 40 R	< 40 R	< 40 R
2-Butanone	78-93-3	50	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
2-Hexanone	591-78-6	50	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
4-Isopropyltoluene	99-87-6	5	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
4-Methyl-2-Pentanone	108-10-1	NC	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Acetone	67-64-1	50	< 5.0 UJ	1.6 J	2.0 J	< 5.0 U	< 5.0 UJ
Benzene	71-43-2	1	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Bromochloromethane	74-97-5	5	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Bromodichloromethane	75-27-4	50	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Bromoform	75-25-2	50	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Bromomethane	74-83-9	5	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U
Carbon disulfide	75-15-0	60	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Carbon Tetrachloride	56-23-5	5	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Chlorobenzene	108-90-7	5	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Chloroethane	75-00-3	5	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ	< 1.0 U	< 1.0 UJ
Chloroform	67-66-3	7	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Chloromethane	74-87-3	5	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U
cis-1,2-Dichloroethene	156-59-2	5	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Cis-1,3-Dichloropropene	10061-01-5	0.4	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Cyclohexane	110-82-7	NC	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Dibromochloromethane	124-48-1	50	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Dichlorodifluoromethane	75-71-8	5	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Ethane, 1,1,2-trichloro-1,2,2-trifluoro	76-13-1	5	NA	NA	NA	NA	NA
Ethylbenzene	100-41-4	5	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Isopropylbenzene	98-82-8	5	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
m,p-Xylene	XYLMP	5	< 2.0 UJ	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U
Methyl Acetate	79-20-9	NC	< 2.0 UJ	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U
Methylcyclohexane	108-87-2	NC	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Methylene Chloride	75-09-2	5	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Methyl tert-butyl ether (MTBE)	1634-04-4	10	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
n-Butylbenzene	104-51-8	5	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
n-Propylbenzene	103-65-1	5	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
o-Xylene	95-47-6	5	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
sec-Butylbenzene	135-98-8	5	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Styrene	100-42-5	5	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Tert-Butylbenzene	98-06-6	5	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Tetrachloroethene	127-18-4	5	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Toluene	108-88-3	5	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
trans-1,2-Dichloroethene	156-60-5	5	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Trans-1,3-Dichloropropene	10061-02-6	0.4	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Trichloroethene	79-01-6	5	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Trichlorofluoromethane	75-69-4	5	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Trichlortrifluoroethane	26523-64-8	NC	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Vinyl Chloride	75-01-4	2	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Xylenes (total)	1330-20-7	5	0	0	0	0	0
TOTAL VOC TICs	NA	NC	NT	NT	NT	12.6	NT

Notes:
All units in micrograms per liter (µg/L)
NT - No TICs identified
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
Total Xylene calculated using o-xylene and m,p-xylene values.
[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.

Exceeds NYS GW Class GA

Table 10A - Groundwater Results - VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	OVR-126	OVR-126	OVR-127	OVR-127	OVR-128
		Sample ID	OVR-126-081716	OVR-126-120616	OVR-127-081716	OVR-127-120616	OVR-128-081716
		Sample Date	8/17/2016	12/6/2016	8/17/2016	12/6/2016	8/17/2016
		Unit	µg/L	µg/L	µg/L	µg/L	µg/L
		Lab SDG	R1608688	R1612714	R1608688	R1612714	R1608688
Chemical Name	CAS #	NYS GW CLASS GA[1]					
VOCs							
1,1,1-Trichloroethane	71-55-6	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,1,2,2-Tetrachloroethane	79-34-5	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,1,2-Trichloroethane	79-00-5	1	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,1-Dichloroethane	75-34-3	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,1-Dichloroethene	75-35-4	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2,3-Trichlorobenzene	87-61-6	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2,4-Trichlorobenzene	120-82-1	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2,4-Trimethylbenzene	95-63-6	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2-Dibromo-3-chloropropane	96-12-8	0.04	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U
1,2-Dibromoethane	106-93-4	0.0006	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2-Dichlorobenzene	95-50-1	3	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2-Dichloroethane	107-06-2	0.6	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2-Dichloropropane	78-87-5	1	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,3,5-Trimethylbenzene	108-67-8	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,3-Dichlorobenzene	541-73-1	3	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,4-Dichlorobenzene	106-46-7	3	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,4-Dioxane	123-91-1	NC	< 40 R	< 40 R	< 40 R	< 40 R	< 40 R
2-Butanone	78-93-3	50	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
2-Hexanone	591-78-6	50	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
4-Isopropyltoluene	99-87-6	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
4-Methyl-2-Pentanone	108-10-1	NC	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Acetone	67-64-1	50	< 5.0 U	1.6 J	< 5.0 U	2.4 J	< 5.0 U
Benzene	71-43-2	1	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Bromochloromethane	74-97-5	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Bromodichloromethane	75-27-4	50	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Bromoform	75-25-2	50	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Bromomethane	74-83-9	5	< 1.0 UJ	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 UJ
Carbon disulfide	75-15-0	60	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Carbon Tetrachloride	56-23-5	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Chlorobenzene	108-90-7	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Chloroethane	75-00-3	5	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 UJ	< 1.0 U
Chloroform	67-66-3	7	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Chloromethane	74-87-3	5	< 1.0 UJ	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 UJ
cis-1,2-Dichloroethene	156-59-2	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Cis-1,3-Dichloropropene	10061-01-5	0.4	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Cyclohexane	110-82-7	NC	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Dibromochloromethane	124-48-1	50	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Dichlorodifluoromethane	75-71-8	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Ethane, 1,1,2-trichloro-1,2,2-trifluoro	76-13-1	5	NA	NA	NA	NA	NA
Ethylbenzene	100-41-4	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Isopropylbenzene	98-82-8	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
m,p-Xylene	XYLMP	5	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U
Methyl Acetate	79-20-9	NC	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U
Methylcyclohexane	108-87-2	NC	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Methylene Chloride	75-09-2	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Methyl tert-butyl ether (MTBE)	1634-04-4	10	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
n-Butylbenzene	104-51-8	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
n-Propylbenzene	103-65-1	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
o-Xylene	95-47-6	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
sec-Butylbenzene	135-98-8	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Styrene	100-42-5	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Tert-Butylbenzene	98-06-6	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Tetrachloroethene	127-18-4	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Toluene	108-88-3	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
trans-1,2-Dichloroethene	156-60-5	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Trans-1,3-Dichloropropene	10061-02-6	0.4	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Trichloroethene	79-01-6	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Trichlorofluoromethane	75-69-4	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Trichlortrifluoroethane	26523-64-8	NC	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Vinyl Chloride	75-01-4	2	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Xylenes (total)	1330-20-7	5	0	0	0	0	0
TOTAL VOC TICs	NA	NC	NT	NT	NT	NT	NT

Notes:
All units in micrograms per liter (µg/L)
NT - No TICs identified
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
Total Xylene calculated using o-xylene and m,p-xylene values.
[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.

Exceeds NYS GW Class GA

Table 10A - Groundwater Results - VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	OVR-128	OVR-129	OVR-129	OVR-130	OVR-130
		Sample ID	OVR-128-120716	OVR-129-081716	OVR-129-120716	OVR-130-082316	DUP-016-121316
		Sample Date	12/7/2016	8/17/2016	12/7/2016	8/23/2016	12/13/2016
		Unit	µg/L	µg/L	µg/L	µg/L	µg/L
		Lab SDG	R1612845	R1608688	R1612845	R1608915	R1613018
Chemical Name	CAS #	NYS GW CLASS GA[1]					
VOCs							
1,1,1-Trichloroethane	71-55-6	5	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U
1,1,2,2-Tetrachloroethane	79-34-5	5	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U
1,1,2-Trichloroethane	79-00-5	1	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U
1,1-Dichloroethane	75-34-3	5	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U
1,1-Dichloroethene	75-35-4	5	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U
1,2,3-Trichlorobenzene	87-61-6	5	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U
1,2,4-Trichlorobenzene	120-82-1	5	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U
1,2,4-Trimethylbenzene	95-63-6	5	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U
1,2-Dibromo-3-chloropropane	96-12-8	0.04	< 2.0 UJ	< 2.0 UJ	< 2.0 UJ	< 2.0 U	< 2.0 U
1,2-Dibromoethane	106-93-4	0.0006	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U
1,2-Dichlorobenzene	95-50-1	3	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U
1,2-Dichloroethane	107-06-2	0.6	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U
1,2-Dichloropropane	78-87-5	1	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U
1,3,5-Trimethylbenzene	108-67-8	5	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U
1,3-Dichlorobenzene	541-73-1	3	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U
1,4-Dichlorobenzene	106-46-7	3	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U
1,4-Dioxane	123-91-1	NC	< 40 R	< 40 R	< 40 R	< 40 R	< 40 R
2-Butanone	78-93-3	50	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U
2-Hexanone	591-78-6	50	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U
4-Isopropyltoluene	99-87-6	5	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U
4-Methyl-2-Pentanone	108-10-1	NC	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U
Acetone	67-64-1	50	< 5.0 UJ	< 5.0 UJ	< 5.0 UJ	< 5.0 UJ	< 5.0 UJ
Benzene	71-43-2	1	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U
Bromochloromethane	74-97-5	5	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U
Bromodichloromethane	75-27-4	50	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U
Bromoform	75-25-2	50	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U
Bromomethane	74-83-9	5	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 UJ	< 1.0 U
Carbon disulfide	75-15-0	60	< 1.0 U	< 1.0 UJ	< 1.0 U	0.45 J	< 1.0 U
Carbon Tetrachloride	56-23-5	5	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 UJ
Chlorobenzene	108-90-7	5	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U
Chloroethane	75-00-3	5	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ	< 1.0 U	< 1.0 U
Chloroform	67-66-3	7	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U
Chloromethane	74-87-3	5	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U
cis-1,2-Dichloroethene	156-59-2	5	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U
Cis-1,3-Dichloropropene	10061-01-5	0.4	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U
Cyclohexane	110-82-7	NC	< 1.0 U	< 1.0 UJ	< 1.0 U	1.3	1.1
Dibromochloromethane	124-48-1	50	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U
Dichlorodifluoromethane	75-71-8	5	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U
Ethane, 1,1,2-trichloro-1,2,2-trifluoro	76-13-1	5	NA	NA	NA	NA	NA
Ethylbenzene	100-41-4	5	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U
Isopropylbenzene	98-82-8	5	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U
m,p-Xylene	XYLMP	5	< 2.0 U	< 2.0 UJ	< 2.0 U	< 2.0 U	< 2.0 U
Methyl Acetate	79-20-9	NC	< 2.0 U	< 2.0 UJ	< 2.0 U	< 2.0 U	< 2.0 U
Methylcyclohexane	108-87-2	NC	< 1.0 U	< 1.0 UJ	< 1.0 U	0.46 J	0.36 J
Methylene Chloride	75-09-2	5	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U
Methyl tert-butyl ether (MTBE)	1634-04-4	10	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U
n-Butylbenzene	104-51-8	5	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U
n-Propylbenzene	103-65-1	5	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U
o-Xylene	95-47-6	5	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U
sec-Butylbenzene	135-98-8	5	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U
Styrene	100-42-5	5	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U
Tert-Butylbenzene	98-06-6	5	< 1.0 U	< 1.0 UJ	< 1.0 U	0.55 J	0.82 J
Tetrachloroethene	127-18-4	5	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U
Toluene	108-88-3	5	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U
trans-1,2-Dichloroethene	156-60-5	5	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U
Trans-1,3-Dichloropropene	10061-02-6	0.4	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U
Trichloroethene	79-01-6	5	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U
Trichlorofluoromethane	75-69-4	5	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U
Trichlortrifluoroethane	26523-64-8	NC	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U
Vinyl Chloride	75-01-4	2	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U
Xylenes (total)	1330-20-7	5	0	0	0	0	0
TOTAL VOC TICs	NA	NC	NT	NT	NT	26	15.7

Notes:
All units in micrograms per liter (µg/L)
NT - No TICs identified
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
Total Xylene calculated using o-xylene and m,p-xylene values.
[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.

Exceeds NYS GW Class GA

Table 10A - Groundwater Results - VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	OVR-130	OVR-131	OVR-131	OVR-131	OVR-132
		Sample ID	OVR-130-121316	DUP-012-082316	OVR-131-082316	OVR-131-121316	OVR-132-082316
		Sample Date	12/13/2016	8/23/2016	8/23/2016	12/13/2016	8/23/2016
		Unit	µg/L	µg/L	µg/L	µg/L	µg/L
		Lab SDG	R1613018	R1608915	R1608915	R1613018	R1608915
Chemical Name	CAS #	NYS GW CLASS GA[1]					
VOCs							
1,1,1-Trichloroethane	71-55-6	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,1,2,2-Tetrachloroethane	79-34-5	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,1,2-Trichloroethane	79-00-5	1	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,1-Dichloroethane	75-34-3	5	< 1.0 U	0.24 J	0.27 J	< 1.0 U	77
1,1-Dichloroethene	75-35-4	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	0.67 J
1,2,3-Trichlorobenzene	87-61-6	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2,4-Trichlorobenzene	120-82-1	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2,4-Trimethylbenzene	95-63-6	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2-Dibromo-3-chloropropane	96-12-8	0.04	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U
1,2-Dibromoethane	106-93-4	0.0006	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2-Dichlorobenzene	95-50-1	3	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,2-Dichloroethane	107-06-2	0.6	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	0.44 J
1,2-Dichloropropane	78-87-5	1	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,3,5-Trimethylbenzene	108-67-8	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,3-Dichlorobenzene	541-73-1	3	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,4-Dichlorobenzene	106-46-7	3	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1,4-Dioxane	123-91-1	NC	< 40 R	< 40 R	< 40 R	< 40 R	< 40 R
2-Butanone	78-93-3	50	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
2-Hexanone	591-78-6	50	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
4-Isopropyltoluene	99-87-6	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
4-Methyl-2-Pentanone	108-10-1	NC	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Acetone	67-64-1	50	4.7 J	< 5.0 UJ	< 5.0 UJ	1.5 J	< 5.0 UJ
Benzene	71-43-2	1	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	1.4
Bromochloromethane	74-97-5	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Bromodichloromethane	75-27-4	50	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Bromoform	75-25-2	50	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Bromomethane	74-83-9	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Carbon disulfide	75-15-0	60	< 1.0 U	0.40 J	< 1.0 U	< 1.0 U	< 1.0 U
Carbon Tetrachloride	56-23-5	5	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U
Chlorobenzene	108-90-7	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Chloroethane	75-00-3	5	< 1.0 U	0.25 J	< 1.0 U	< 1.0 U	12
Chloroform	67-66-3	7	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Chloromethane	74-87-3	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	0.44 J
cis-1,2-Dichloroethene	156-59-2	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	2.8
Cis-1,3-Dichloropropene	10061-01-5	0.4	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Cyclohexane	110-82-7	NC	1.2	< 1.0 U	< 1.0 U	< 1.0 U	0.83 J
Dibromochloromethane	124-48-1	50	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Dichlorodifluoromethane	75-71-8	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Ethane, 1,1,2-trichloro-1,2,2-trifluoro	76-13-1	5	NA	NA	NA	NA	NA
Ethylbenzene	100-41-4	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Isopropylbenzene	98-82-8	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
m,p-Xylene	XYLMP	5	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U
Methyl Acetate	79-20-9	NC	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U
Methylcyclohexane	108-87-2	NC	0.38 J	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Methylene Chloride	75-09-2	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Methyl tert-butyl ether (MTBE)	1634-04-4	10	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
n-Butylbenzene	104-51-8	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
n-Propylbenzene	103-65-1	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
o-Xylene	95-47-6	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
sec-Butylbenzene	135-98-8	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	0.35 J
Styrene	100-42-5	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Tert-Butylbenzene	98-06-6	5	0.70 J	< 1.0 U	< 1.0 U	< 1.0 U	0.75 J
Tetrachloroethene	127-18-4	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Toluene	108-88-3	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
trans-1,2-Dichloroethene	156-60-5	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Trans-1,3-Dichloropropene	10061-02-6	0.4	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Trichloroethene	79-01-6	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	3.1
Trichlorofluoromethane	75-69-4	5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Trichlortrifluoroethane	26523-64-8	NC	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Vinyl Chloride	75-01-4	2	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	2.1
Xylenes (total)	1330-20-7	5	0	0	0	0	0
TOTAL VOC TICs	NA	NC	17	NT	17	8.8	NT

Notes:
All units in micrograms per liter (µg/L)
NT - No TICs identified
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
Total Xylene calculated using o-xylene and m,p-xylene values.
[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.

Exceeds NYS GW Class GA

Table 10A - Groundwater Results - VOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	OVR-132
		Sample ID	OVR-132-121216
		Sample Date	12/12/2016
		Unit	µg/L
		Lab SDG	R1613018
Chemical Name	CAS #	NYS GW CLASS GA[1]	
VOCs			
1,1,1-Trichloroethane	71-55-6	5	< 1.0 U
1,1,2,2-Tetrachloroethane	79-34-5	5	< 1.0 U
1,1,2-Trichloroethane	79-00-5	1	< 1.0 U
1,1-Dichloroethane	75-34-3	5	26
1,1-Dichloroethene	75-35-4	5	< 1.0 U
1,2,3-Trichlorobenzene	87-61-6	5	< 1.0 U
1,2,4-Trichlorobenzene	120-82-1	5	< 1.0 U
1,2,4-Trimethylbenzene	95-63-6	5	0.23 J
1,2-Dibromo-3-chloropropane	96-12-8	0.04	< 2.0 U
1,2-Dibromoethane	106-93-4	0.0006	< 1.0 U
1,2-Dichlorobenzene	95-50-1	3	< 1.0 U
1,2-Dichloroethane	107-06-2	0.6	< 1.0 U
1,2-Dichloropropane	78-87-5	1	< 1.0 U
1,3,5-Trimethylbenzene	108-67-8	5	< 1.0 U
1,3-Dichlorobenzene	541-73-1	3	< 1.0 U
1,4-Dichlorobenzene	106-46-7	3	< 1.0 U
1,4-Dioxane	123-91-1	NC	< 40 R
2-Butanone	78-93-3	50	< 5.0 U
2-Hexanone	591-78-6	50	< 5.0 U
4-Isopropyltoluene	99-87-6	5	< 1.0 U
4-Methyl-2-Pentanone	108-10-1	NC	< 5.0 U
Acetone	67-64-1	50	2.0 J
Benzene	71-43-2	1	0.87 J
Bromochloromethane	74-97-5	5	< 1.0 U
Bromodichloromethane	75-27-4	50	< 1.0 U
Bromoform	75-25-2	50	< 1.0 U
Bromomethane	74-83-9	5	< 1.0 U
Carbon disulfide	75-15-0	60	< 1.0 U
Carbon Tetrachloride	56-23-5	5	< 1.0 UJ
Chlorobenzene	108-90-7	5	< 1.0 U
Chloroethane	75-00-3	5	16
Chloroform	67-66-3	7	< 1.0 U
Chloromethane	74-87-3	5	< 1.0 U
cis-1,2-Dichloroethene	156-59-2	5	1.3
Cis-1,3-Dichloropropene	10061-01-5	0.4	< 1.0 U
Cyclohexane	110-82-7	NC	0.29 J
Dibromochloromethane	124-48-1	50	< 1.0 U
Dichlorodifluoromethane	75-71-8	5	< 1.0 U
Ethane, 1,1,2-trichloro-1,2,2-trifluoro	76-13-1	5	NA
Ethylbenzene	100-41-4	5	< 1.0 U
Isopropylbenzene	98-82-8	5	< 1.0 U
m,p-Xylene	XYLMP	5	< 2.0 U
Methyl Acetate	79-20-9	NC	< 2.0 U
Methylcyclohexane	108-87-2	NC	< 1.0 U
Methylene Chloride	75-09-2	5	< 1.0 U
Methyl tert-butyl ether (MTBE)	1634-04-4	10	< 1.0 U
n-Butylbenzene	104-51-8	5	< 1.0 U
n-Propylbenzene	103-65-1	5	< 1.0 U
o-Xylene	95-47-6	5	< 1.0 U
sec-Butylbenzene	135-98-8	5	0.32 J
Styrene	100-42-5	5	< 1.0 U
Tert-Butylbenzene	98-06-6	5	0.53 J
Tetrachloroethene	127-18-4	5	< 1.0 U
Toluene	108-88-3	5	< 1.0 U
trans-1,2-Dichloroethene	156-60-5	5	< 1.0 U
Trans-1,3-Dichloropropene	10061-02-6	0.4	< 1.0 U
Trichloroethene	79-01-6	5	1.4
Trichlorofluoromethane	75-69-4	5	< 1.0 U
Trichlortrifluoroethane	26523-64-8	NC	< 1.0 U
Vinyl Chloride	75-01-4	2	1.4
Xylenes (total)	1330-20-7	5	0
TOTAL VOC TICs	NA	NC	NT

Notes:
All units in micrograms per liter (µg/L)
NT - No TICs identified
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
Total Xylene calculated using o-xylene and m,p-xylene values.
[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.

Exceeds NYS GW Class GA

Table 10B - Groundwater Results - SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	BED1-100	BED1-100	BED1-101	BED1-101	BED1-102	BED1-102
		Sample ID	BED1-100-082316	BED1-100-121316	BED1-101-082416	BED1-101-121216	BED1-102-081516	BED1-102-120516
		Sample Date	8/23/2016	12/13/2016	8/24/2016	12/12/2016	8/15/2016	12/5/2016
		Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		Lab SDG	2170212	R1613018	2170212	R1613018	2168497	R1612714
Chemical Name	CAS #	NYS GW CLASS GA[1]						
SVOCs								
1,1'-Biphenyl	92-52-4	5	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 3.1 U	< 9.4 U
1,2,4,5-Tetrachlorobenzene	95-94-3	5	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 3.1 U	< 9.4 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 3.1 U	< 9.4 U
2,4,5-Trichlorophenol	95-95-4	1	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 3.1 U	< 9.4 U
2,4,6-Trichlorophenol	88-06-2	NC	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 3.1 U	< 9.4 U
2,4-Dichlorophenol	120-83-2	5	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 3.1 U	< 9.4 U
2,4-Dimethylphenol	105-67-9	50	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 3.1 U	< 9.4 U
2,4-Dinitrophenol	51-28-5	10	< 5.6 U	< 47 U	< 5.7 U	< 47 U	< 6.2 U	< 47 U
2,4-Dinitrotoluene	121-14-2	5	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 3.1 U	< 9.4 UJ
2,6-Dinitrotoluene	606-20-2	5	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 3.1 U	< 9.4 U
2-Chloronaphthalene	91-58-7	10	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 3.1 U	< 9.4 U
2-Chlorophenol	95-57-8	1	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 3.1 U	< 9.4 U
2-Methylnaphthalene	91-57-6	NC	< 1.4 U	< 9.4 U	< 1.4 U	< 9.4 U	< 1.5 U	< 9.4 U
2-Methylphenol	95-48-7	1	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 3.1 U	< 9.4 U
2-Nitroaniline	88-74-4	5	< 2.8 U	< 47 U	< 2.9 U	< 47 U	< 3.1 U	< 47 U
2-Nitrophenol	88-75-5	1	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 3.1 U	< 9.4 U
3- AND 4- Methylphenol (TOTAL)	106-44-5	NC	NA	< 9.4 UJ	NA	< 9.4 UJ	NA	< 9.4 U
3,3-Dichlorobenzidine	91-94-1	5	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 3.1 U	< 9.4 U
3-Nitroaniline	99-09-2	5	< 2.8 U	< 47 U	< 2.9 U	< 47 U	< 3.1 U	< 47 U
4,6-Dinitro-2-methylphenol	534-52-1	1	< 5.6 U	< 47 U	< 5.7 U	< 47 U	< 6.2 U	< 47 U
4-Bromophenyl-phenylether	101-55-3	NC	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 3.1 U	< 9.4 U
4-Chloro-3-methylphenol	59-50-7	1	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 3.1 U	< 9.4 U
4-Chloroaniline	106-47-8	5	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 3.1 U	< 9.4 U
4-Chlorophenyl-phenylether	7005-72-3	NC	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 3.1 U	< 9.4 U
4-Nitroaniline	100-01-6	5	< 2.8 U	< 47 U	< 2.9 U	< 47 U	< 3.1 U	< 47 U
4-Nitrophenol	100-02-7	1	< 2.8 U	< 47 UJ	< 2.9 U	< 47 UJ	< 3.1 U	< 47 U
Acenaphthene	83-32-9	NC	< 1.4 U	< 9.4 U	< 1.4 U	< 9.4 U	< 1.5 U	< 9.4 U
Acenaphthylene	208-96-8	NC	< 1.4 U	< 9.4 U	< 1.4 U	< 9.4 U	< 1.5 U	< 9.4 U
Acetophenone	98-86-2	NC	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 3.1 U	< 9.4 U
Anthracene	120-12-7	50	< 1.4 U	< 9.4 U	< 1.4 U	< 9.4 U	< 1.5 U	< 9.4 U
Atrazine	1912-24-9	7.5	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 3.1 U	< 9.4 U
Benzaldehyde	100-52-7	NC	< 2.8 U	< 47 UJ	< 2.9 U	< 47 UJ	< 3.1 U	< 47 U
Benzidine	92-87-5	5	< 7.5 U	< 94 U	< 7.7 U	< 94 U	< 8.2 U	< 94 U
Benzo[a]anthracene	56-55-3	0.002	< 1.4 U	< 9.4 U	< 1.4 U	< 9.4 U	< 1.5 U	< 9.4 U
Benzo[a]pyrene	50-32-8	0	< 1.4 U	< 9.4 U	< 1.4 U	< 9.4 U	< 1.5 U	< 9.4 U
Benzo[b]fluoranthene	205-99-2	0.002	< 1.4 U	< 9.4 U	< 1.4 U	< 9.4 U	< 1.5 U	< 9.4 U
Benzo[g,h,i]perylene	191-24-2	NC	< 1.4 U	< 9.4 U	< 1.4 U	< 9.4 U	< 1.5 U	< 9.4 U
Benzo[k]fluoranthene	207-08-9	0.002	< 1.4 U	< 9.4 U	< 1.4 U	< 9.4 U	< 1.5 U	< 9.4 U
Bis(2-Chloroethoxy)methane	111-91-1	5	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 3.1 U	< 9.4 U
Bis(2-Chloroethyl)Ether	111-44-4	1	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 3.1 U	< 9.4 U
Bis(2-Chloroisopropyl)ether	108-60-1	5	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 3.1 U	< 9.4 U
Bis(2-Ethylhexyl)phthalate	117-81-7	5	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 3.1 U	< 9.4 U
Butylbenzylphthalate	85-68-7	50	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 3.1 U	< 9.4 U
Caprolactam	105-60-2	NC	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 3.1 U	< 9.4 U
Carbazole	86-74-8	NC	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 3.1 U	< 9.4 U
Chrysene	218-01-9	0.002	< 1.4 U	< 9.4 U	< 1.4 U	< 9.4 U	< 1.5 U	< 9.4 U
Dibenzo[a,h]Anthracene	53-70-3	NC	< 1.4 U	< 9.4 U	< 1.4 U	< 9.4 U	< 1.5 U	< 9.4 U
Dibenzofuran	132-64-9	NC	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 3.1 U	< 9.4 U
Diethylphthalate	84-66-2	50	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 3.1 U	< 9.4 U
Dimethylphthalate	131-11-3	50	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 3.1 U	< 9.4 U
Di-n-butylphthalate	84-74-2	50	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 3.1 U	< 9.4 U
Di-n-octylphthalate	117-84-0	50	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 3.1 U	< 9.4 U
Fluoranthene	206-44-0	50	< 1.4 U	< 9.4 U	< 1.4 U	< 9.4 U	< 1.5 U	< 9.4 U
Fluorene	86-73-7	50	< 1.4 U	< 9.4 U	< 1.4 U	< 9.4 U	< 1.5 U	< 9.4 U
Hexachlorobenzene	118-74-1	0.04	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 3.1 U	< 9.4 U
Hexachlorobutadiene	87-68-3	0.5	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 3.1 U	< 9.4 U
Hexachlorocyclopentadiene	77-47-4	5	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 3.1 U	< 9.4 UJ
Hexachloroethane	67-72-1	5	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 3.1 U	< 9.4 U
Indeno[1,2,3-cd]pyrene	193-39-5	0.002	< 1.4 U	< 9.4 U	< 1.4 U	< 9.4 U	< 1.5 U	< 9.4 U
Isophorone	78-59-1	50	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 3.1 U	< 9.4 U
m-Cresol & p-Cresol	MEPH1314	NC	< 2.8 U	NA	< 2.9 U	NA	< 3.1 U	NA
Naphthalene	91-20-3	10	< 1.4 U	< 9.4 U	< 1.4 U	< 9.4 U	< 1.5 U	< 9.4 U
Nitrobenzene	98-95-3	0.4	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 3.1 U	< 9.4 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 3.1 U	< 9.4 U
N-Nitrosodiphenylamine	86-30-6	50	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 3.1 U	< 9.4 U
Pentachlorophenol	87-86-5	NC	< 5.6 U	< 47 U	< 5.7 U	< 47 U	< 6.2 U	< 47 U
Phenanthrene	85-01-8	50	< 1.4 U	< 9.4 U	< 1.4 U	< 9.4 U	< 1.5 U	< 9.4 U
Phenol	108-95-2	NC	< 7.5 U	< 9.4 UJ	< 7.7 U	< 9.4 UJ	< 8.2 U	< 9.4 U
Pyrene	129-00-0	50	< 1.4 U	< 9.4 U	< 1.4 U	< 9.4 U	< 1.5 U	< 9.4 U
Pyridine	110-86-1	50	< 2.8 U	< 47 UJ	< 2.9 U	< 47 UJ	< 3.1 U	< 47 U
Total SVOCs TICs	NA	NC	34.7	NT	NT	NT	90.8	NT

Notes:
All units in micrograms per liter (µg/L)
NT - No TICs identified
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.
Exceeds NYS GW Class GA

Table 10B - Groundwater Results - SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	BED1-103	BED1-103	BED1-104	BED1-104	MW-3	MW-3
		Sample ID	BED1-103-081916	BED1-103-120916	BED1-104-081816	BED1-104-120816	MW-3-082316	MW-3-120916
		Sample Date	8/19/2016	12/9/2016	8/18/2016	12/8/2016	8/23/2016	12/9/2016
		Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		Lab SDG	2169456	R1612845	2169456	R1612845	2170212	R1612845
Chemical Name	**CAS #**	**NYS GW CLASS GA[1]**						
SVOCs								
1,1'-Biphenyl	92-52-4	5	< 3.0 U	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.8 U	< 9.4 U
1,2,4,5-Tetrachlorobenzene	95-94-3	5	< 3.0 U	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.8 U	< 9.4 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	< 3.0 U	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.8 U	< 9.4 U
2,4,5-Trichlorophenol	95-95-4	1	< 3.0 U	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.8 U	< 9.4 U
2,4,6-Trichlorophenol	88-06-2	NC	< 3.0 U	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.8 U	< 9.4 U
2,4-Dichlorophenol	120-83-2	5	< 3.0 U	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.8 U	< 9.4 U
2,4-Dimethylphenol	105-67-9	50	< 3.0 U	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.8 U	< 9.4 U
2,4-Dinitrophenol	51-28-5	10	< 5.9 U	< 47 U	< 5.6 UJ	< 47 U	< 5.6 U	< 47 U
2,4-Dinitrotoluene	121-14-2	5	< 3.0 U	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.8 U	< 9.4 U
2,6-Dinitrotoluene	606-20-2	5	< 3.0 U	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.8 U	< 9.4 U
2-Chloronaphthalene	91-58-7	10	< 3.0 U	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.8 U	< 9.4 U
2-Chlorophenol	95-57-8	1	< 3.0 U	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.8 U	< 9.4 U
2-Methylnaphthalene	91-57-6	NC	< 1.5 U	< 9.4 U	< 1.4 UJ	< 9.4 U	< 1.4 U	< 9.4 U
2-Methylphenol	95-48-7	1	< 3.0 U	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.8 U	< 9.4 U
2-Nitroaniline	88-74-4	5	< 3.0 U	< 47 U	< 2.8 UJ	< 47 U	< 2.8 U	< 47 U
2-Nitrophenol	88-75-5	1	< 3.0 U	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.8 U	< 9.4 U
3- AND 4- Methylphenol (TOTAL)	106-44-5	NC	NA	< 9.4 U	NA	< 9.4 U	NA	< 9.4 U
3,3-Dichlorobenzidine	91-94-1	5	< 3.0 U	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.8 U	< 9.4 U
3-Nitroaniline	99-09-2	5	< 3.0 U	< 47 U	< 2.8 UJ	< 47 U	< 2.8 U	< 47 U
4,6-Dinitro-2-methylphenol	534-52-1	1	< 5.9 U	< 47 U	< 5.6 UJ	< 47 U	< 5.6 U	< 47 U
4-Bromophenyl-phenylether	101-55-3	NC	< 3.0 U	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.8 U	< 9.4 U
4-Chloro-3-methylphenol	59-50-7	1	< 3.0 U	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.8 U	< 9.4 U
4-Chloroaniline	106-47-8	5	< 3.0 U	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.8 U	< 9.4 U
4-Chlorophenyl-phenylether	7005-72-3	NC	< 3.0 U	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.8 U	< 9.4 U
4-Nitroaniline	100-01-6	5	< 3.0 U	< 47 U	< 2.8 UJ	< 47 U	< 2.8 U	< 47 U
4-Nitrophenol	100-02-7	1	< 3.0 U	< 47 U	< 2.8 UJ	< 47 U	< 2.8 U	< 47 U
Acenaphthene	83-32-9	NC	< 1.5 U	< 9.4 U	< 1.4 UJ	< 9.4 U	< 1.4 U	< 9.4 U
Acenaphthylene	208-96-8	NC	< 1.5 U	< 9.4 U	< 1.4 UJ	< 9.4 U	< 1.4 U	< 9.4 U
Acetophenone	98-86-2	NC	< 3.0 U	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.8 U	< 9.4 U
Anthracene	120-12-7	50	< 1.5 U	< 9.4 U	< 1.4 UJ	< 9.4 U	< 1.4 U	< 9.4 U
Atrazine	1912-24-9	7.5	< 3.0 U	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.8 U	< 9.4 U
Benzaldehyde	100-52-7	NC	< 3.0 U	< 47 U	< 2.8 UJ	< 47 U	< 2.8 U	< 47 U
Benzidine	92-87-5	5	< 7.9 U	< 94 U	< 7.4 UJ	< 94 U	< 7.5 U	< 94 U
Benzo[a]anthracene	56-55-3	0.002	< 1.5 U	< 9.4 U	< 1.4 UJ	< 9.4 U	< 1.4 U	< 9.4 U
Benzo[a]pyrene	50-32-8	0	< 1.5 U	< 9.4 U	< 1.4 UJ	< 9.4 U	< 1.4 U	< 9.4 U
Benzo[b]fluoranthene	205-99-2	0.002	< 1.5 U	< 9.4 U	< 1.4 UJ	< 9.4 U	< 1.4 U	< 9.4 U
Benzo[g,h,i]perylene	191-24-2	NC	< 1.5 U	< 9.4 U	< 1.4 UJ	< 9.4 U	< 1.4 U	< 9.4 U
Benzo[k]fluoranthene	207-08-9	0.002	< 1.5 U	< 9.4 U	< 1.4 UJ	< 9.4 U	< 1.4 U	< 9.4 U
Bis(2-Chloroethoxy)methane	111-91-1	5	< 3.0 U	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.8 U	< 9.4 U
Bis(2-Chloroethyl)Ether	111-44-4	1	< 3.0 U	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.8 U	< 9.4 U
Bis(2-Chloroisopropyl)ether	108-60-1	5	< 3.0 U	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.8 U	< 9.4 U
Bis(2-Ethylhexyl)phthalate	117-81-7	5	< 3.0 U	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.8 U	< 9.4 U
Butylbenzylphthalate	85-68-7	50	< 3.0 U	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.8 U	< 9.4 U
Caprolactam	105-60-2	NC	< 3.0 U	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.8 U	< 9.4 U
Carbazole	86-74-8	NC	< 3.0 U	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.8 U	< 9.4 U
Chrysene	218-01-9	0.002	< 1.5 U	< 9.4 U	< 1.4 UJ	< 9.4 U	< 1.4 U	< 9.4 U
Dibenzo[a,h]Anthracene	53-70-3	NC	< 1.5 U	< 9.4 U	< 1.4 UJ	< 9.4 U	< 1.4 U	< 9.4 U
Dibenzofuran	132-64-9	NC	< 3.0 U	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.8 U	< 9.4 U
Diethylphthalate	84-66-2	50	< 3.0 U	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.8 U	< 9.4 U
Dimethylphthalate	131-11-3	50	< 3.0 U	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.8 U	< 9.4 U
Di-n-butylphthalate	84-74-2	50	< 3.0 U	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.8 U	< 9.4 U
Di-n-octylphthalate	117-84-0	50	< 3.0 U	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.8 U	< 9.4 U
Fluoranthene	206-44-0	50	< 1.5 U	< 9.4 U	< 1.4 UJ	< 9.4 U	< 1.4 U	< 9.4 U
Fluorene	86-73-7	50	< 1.5 U	< 9.4 U	< 1.4 UJ	< 9.4 U	< 1.4 U	< 9.4 U
Hexachlorobenzene	118-74-1	0.04	< 3.0 U	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.8 U	< 9.4 U
Hexachlorobutadiene	87-68-3	0.5	< 3.0 U	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.8 U	< 9.4 U
Hexachlorocyclopentadiene	77-47-4	5	< 3.0 U	< 9.4 UJ	< 2.8 UJ	< 9.4 UJ	< 2.8 U	< 9.4 UJ
Hexachloroethane	67-72-1	5	< 3.0 U	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.8 U	< 9.4 U
Indeno[1,2,3-cd]pyrene	193-39-5	0.002	< 1.5 U	< 9.4 U	< 1.4 UJ	< 9.4 U	< 1.4 U	< 9.4 U
Isophorone	78-59-1	50	< 3.0 U	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.8 U	< 9.4 U
m-Cresol & p-Cresol	MEPH1314	NC	< 3.0 U	NA	< 2.8 UJ	NA	< 2.8 U	NA
Naphthalene	91-20-3	10	< 1.5 U	< 9.4 U	< 1.4 UJ	< 9.4 U	< 1.4 U	< 9.4 U
Nitrobenzene	98-95-3	0.4	< 3.0 U	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.8 U	< 9.4 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	< 3.0 U	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.8 U	< 9.4 U
N-Nitrosodiphenylamine	86-30-6	50	< 3.0 U	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.8 U	< 9.4 U
Pentachlorophenol	87-86-5	NC	< 5.9 U	< 47 U	< 5.6 UJ	< 47 U	< 5.6 U	< 47 U
Phenanthrene	85-01-8	50	< 1.5 U	< 9.4 U	< 1.4 UJ	< 9.4 U	< 1.4 U	< 9.4 U
Phenol	108-95-2	NC	< 7.9 U	< 9.4 U	< 7.4 UJ	< 9.4 U	< 7.5 U	< 9.4 U
Pyrene	129-00-0	50	< 1.5 U	< 9.4 U	< 1.4 UJ	< 9.4 U	< 1.4 U	< 9.4 U
Pyridine	110-86-1	50	< 3.0 U	< 47 U	< 2.8 UJ	< 47 U	< 2.8 U	< 47 U
Total SVOCs TICs	NA	NC	NT	NT	NT	NT	9	NT

Notes:
All units in micrograms per liter (µg/L)
NT - No TICs identified
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.

Exceeds NYS GW Class GA

Table 10B - Groundwater Results - SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	OVR-100	OVR-100	OVR-101	OVR-101	OVR-102	OVR-102
		Sample ID	OVR-100-082316	OVR-100-121316	OVR-101-082416	OVR-101-121316	OVR-102-081516	OVR-102-120516
		Sample Date	8/23/2016	12/13/2016	8/24/2016	12/13/2016	8/15/2016	12/5/2016
		Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		Lab SDG	2170212	R1613018	2170212	R1613018	2168497	R1612714
Chemical Name	CAS #	NYS GW CLASS GA[1]						
SVOCs								
1,1'-Biphenyl	92-52-4	5	< 3.0 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U
1,2,4,5-Tetrachlorobenzene	95-94-3	5	< 3.0 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	< 3.0 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U
2,4,5-Trichlorophenol	95-95-4	1	< 3.0 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U
2,4,6-Trichlorophenol	88-06-2	NC	< 3.0 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U
2,4-Dichlorophenol	120-83-2	5	< 3.0 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U
2,4-Dimethylphenol	105-67-9	50	< 3.0 U	< 9.4 U	0.56 J	< 9.4 U	< 2.8 U	< 9.4 U
2,4-Dinitrophenol	51-28-5	10	< 5.9 U	< 47 U	< 5.6 U	< 47 U	< 5.6 U	< 47 U
2,4-Dinitrotoluene	121-14-2	5	< 3.0 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 UJ
2,6-Dinitrotoluene	606-20-2	5	< 3.0 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U
2-Chloronaphthalene	91-58-7	10	< 3.0 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U
2-Chlorophenol	95-57-8	1	< 3.0 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U
2-Methylnaphthalene	91-57-6	NC	< 1.5 U	< 9.4 U	0.24 J	< 9.4 U	< 1.4 U	< 9.4 U
2-Methylphenol	95-48-7	1	< 3.0 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U
2-Nitroaniline	88-74-4	5	< 3.0 U	< 47 U	< 2.8 U	< 47 U	< 2.8 U	< 47 U
2-Nitrophenol	88-75-5	1	< 3.0 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U
3- AND 4- Methylphenol (TOTAL)	106-44-5	NC	NA	< 9.4 U	NA	< 9.4 U	NA	< 9.4 U
3,3-Dichlorobenzidine	91-94-1	5	< 3.0 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U
3-Nitroaniline	99-09-2	5	< 3.0 U	< 47 U	< 2.8 U	< 47 U	< 2.8 U	< 47 U
4,6-Dinitro-2-methylphenol	534-52-1	1	< 5.9 U	< 47 U	< 5.6 U	< 47 U	< 5.6 U	< 47 U
4-Bromophenyl-phenylether	101-55-3	NC	< 3.0 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U
4-Chloro-3-methylphenol	59-50-7	1	< 3.0 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U
4-Chloroaniline	106-47-8	5	< 3.0 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U
4-Chlorophenyl-phenylether	7005-72-3	NC	< 3.0 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U
4-Nitroaniline	100-01-6	5	< 3.0 U	< 47 U	< 2.8 U	< 47 U	< 2.8 U	< 47 U
4-Nitrophenol	100-02-7	1	< 3.0 U	< 47 U	< 2.8 U	< 47 U	< 2.8 U	< 47 U
Acenaphthene	83-32-9	NC	< 1.5 U	< 9.4 U	2.3	2.4 J	< 1.4 U	< 9.4 U
Acenaphthylene	208-96-8	NC	< 1.5 U	< 9.4 U	< 1.4 U	< 9.4 U	< 1.4 U	< 9.4 U
Acetophenone	98-86-2	NC	< 3.0 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U
Anthracene	120-12-7	50	< 1.5 U	< 9.4 U	0.64 J	< 9.4 U	< 1.4 U	< 9.4 U
Atrazine	1912-24-9	7.5	< 3.0 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U
Benzaldehyde	100-52-7	NC	< 3.0 U	< 47 U	< 2.8 U	< 47 U	< 2.8 U	< 47 U
Benzidine	92-87-5	5	< 7.9 U	< 94 U	< 7.5 R	< 94 U	< 7.5 U	< 94 U
Benzo[a]anthracene	56-55-3	0.002	< 1.5 U	< 9.4 U	< 1.4 U	< 9.4 U	< 1.4 U	< 9.4 U
Benzo[a]pyrene	50-32-8	0	< 1.5 U	< 9.4 U	< 1.4 U	< 9.4 U	< 1.4 U	< 9.4 U
Benzo[b]fluoranthene	205-99-2	0.002	< 1.5 U	< 9.4 U	< 1.4 U	< 9.4 U	< 1.4 U	< 9.4 U
Benzo[g,h,i]perylene	191-24-2	NC	< 1.5 U	< 9.4 U	< 1.4 U	< 9.4 U	< 1.4 U	< 9.4 U
Benzo[k]fluoranthene	207-08-9	0.002	< 1.5 U	< 9.4 U	< 1.4 U	< 9.4 U	< 1.4 U	< 9.4 U
Bis(2-Chloroethoxy)methane	111-91-1	5	< 3.0 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U
Bis(2-Chloroethyl)Ether	111-44-4	1	< 3.0 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U
Bis(2-Chloroisopropyl)ether	108-60-1	5	< 3.0 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U
Bis(2-Ethylhexyl)phthalate	117-81-7	5	< 3.0 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	1.5 J
Butylbenzylphthalate	85-68-7	50	0.12 J	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U
Caprolactam	105-60-2	NC	< 3.0 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U
Carbazole	86-74-8	NC	< 3.0 U	< 9.4 U	2.3 J	1.2 J	< 2.8 U	< 9.4 U
Chrysene	218-01-9	0.002	< 1.5 U	< 9.4 U	< 1.4 U	< 9.4 U	< 1.4 U	< 9.4 U
Dibenzo[a,h]Anthracene	53-70-3	NC	< 1.5 U	< 9.4 U	< 1.4 U	< 9.4 U	< 1.4 U	< 9.4 U
Dibenzofuran	132-64-9	NC	< 3.0 U	< 9.4 U	1.7 J	1.5 J	< 2.8 U	< 9.4 U
Diethylphthalate	84-66-2	50	< 3.0 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U
Dimethylphthalate	131-11-3	50	< 3.0 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U
Di-n-butylphthalate	84-74-2	50	< 3.0 U	< 9.4 U	0.15 J	< 9.4 U	< 2.8 U	< 9.4 U
Di-n-octylphthalate	117-84-0	50	< 3.0 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U
Fluoranthene	206-44-0	50	< 1.5 U	< 9.4 U	0.63 J	1.0 J	< 1.4 U	< 9.4 U
Fluorene	86-73-7	50	< 1.5 U	< 9.4 U	2.5	2.3 J	< 1.4 U	< 9.4 U
Hexachlorobenzene	118-74-1	0.04	< 3.0 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U
Hexachlorobutadiene	87-68-3	0.5	< 3.0 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U
Hexachlorocyclopentadiene	77-47-4	5	< 3.0 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 UJ
Hexachloroethane	67-72-1	5	< 3.0 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U
Indeno[1,2,3-cd]pyrene	193-39-5	0.002	< 1.5 U	< 9.4 U	< 1.4 U	< 9.4 U	< 1.4 U	< 9.4 U
Isophorone	78-59-1	50	< 3.0 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U
m-Cresol & p-Cresol	MEPH1314	NC	< 3.0 U	NA	< 2.8 U	NA	0.60 J	NA
Naphthalene	91-20-3	10	< 1.5 U	< 9.4 U	< 1.4 U	< 9.4 U	< 1.4 U	< 9.4 U
Nitrobenzene	98-95-3	0.4	< 3.0 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	< 3.0 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U
N-Nitrosodiphenylamine	86-30-6	50	< 3.0 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U
Pentachlorophenol	87-86-5	NC	< 5.9 U	< 47 U	< 5.6 U	< 47 U	< 5.6 U	< 47 U
Phenanthrene	85-01-8	50	< 1.5 U	< 9.4 U	1.3 J	2.9 J	< 1.4 U	< 9.4 U
Phenol	108-95-2	NC	< 7.9 U	< 9.4 U	< 7.5 U	< 9.4 U	< 7.5 U	< 9.4 U
Pyrene	129-00-0	50	< 1.5 U	< 9.4 U	0.40 J	< 9.4 U	< 1.4 U	< 9.4 U
Pyridine	110-86-1	50	< 3.0 U	< 47 U	< 2.8 U	< 47 U	< 2.8 U	< 47 U
Total SVOCs TICs	NA	NC	NT	NT	60	NT	16.8	NT

Notes:
All units in micrograms per liter (µg/L)
NT - No TICs identified
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.
Exceeds NYS GW Class GA

Table 10B - Groundwater Results - SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	OVR-103	OVR-103	OVR-104	OVR-104	OVR-105	OVR-105
		Sample ID	OVR-103-082216	OVR-103-120916	OVR-104-081816	OVR-104-120816	OVR-105-081516	OVR-105-081516
		Sample Date	8/22/2016	12/9/2016	8/18/2016	12/8/2016	8/15/2016	8/15/2016
		Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		Lab SDG	2169456	R1612845	2169456	R1612845	2168497	2170212
Chemical Name	CAS #	NYS GW CLASS GA[1]						
SVOCs								
1,1'-Biphenyl	92-52-4	5	< 2.8 U	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.9 U	< 2.9 U
1,2,4,5-Tetrachlorobenzene	95-94-3	5	< 2.8 U	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.9 U	< 2.9 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	< 2.8 U	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.9 U	< 2.9 U
2,4,5-Trichlorophenol	95-95-4	1	< 2.8 U	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.9 U	< 2.9 U
2,4,6-Trichlorophenol	88-06-2	NC	< 2.8 U	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.9 U	< 2.9 U
2,4-Dichlorophenol	120-83-2	5	< 2.8 U	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.9 U	< 2.9 U
2,4-Dimethylphenol	105-67-9	50	< 2.8 U	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.9 U	< 2.9 U
2,4-Dinitrophenol	51-28-5	10	< 5.6 U	< 47 U	< 5.6 UJ	< 47 U	< 5.8 U	< 5.8 U
2,4-Dinitrotoluene	121-14-2	5	< 2.8 U	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.9 U	< 2.9 U
2,6-Dinitrotoluene	606-20-2	5	< 2.8 U	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.9 U	< 2.9 U
2-Chloronaphthalene	91-58-7	10	< 2.8 U	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.9 U	< 2.9 U
2-Chlorophenol	95-57-8	1	< 2.8 U	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.9 U	< 2.9 U
2-Methylnaphthalene	91-57-6	NC	< 1.4 U	< 9.4 U	< 1.4 UJ	< 9.4 U	< 1.5 U	< 1.4 U
2-Methylphenol	95-48-7	1	< 2.8 U	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.9 U	< 2.9 U
2-Nitroaniline	88-74-4	5	< 2.8 U	< 47 U	< 2.8 UJ	< 47 U	< 2.9 U	< 2.9 U
2-Nitrophenol	88-75-5	1	< 2.8 U	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.9 U	< 2.9 U
3- AND 4- Methylphenol (TOTAL)	106-44-5	NC	NA	< 9.4 U	NA	< 9.4 U	NA	NA
3,3-Dichlorobenzidine	91-94-1	5	< 2.8 U	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.9 U	< 2.9 U
3-Nitroaniline	99-09-2	5	< 2.8 U	< 47 U	< 2.8 UJ	< 47 U	< 2.9 U	< 2.9 U
4,6-Dinitro-2-methylphenol	534-52-1	1	< 5.6 U	< 47 U	< 5.6 UJ	< 47 U	< 5.8 U	< 5.8 U
4-Bromophenyl-phenylether	101-55-3	NC	< 2.8 U	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.9 U	< 2.9 U
4-Chloro-3-methylphenol	59-50-7	1	< 2.8 U	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.9 U	< 2.9 U
4-Chloroaniline	106-47-8	5	< 2.8 U	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.9 U	< 2.9 U
4-Chlorophenyl-phenylether	7005-72-3	NC	< 2.8 U	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.9 U	< 2.9 U
4-Nitroaniline	100-01-6	5	< 2.8 U	< 47 U	< 2.8 UJ	< 47 U	< 2.9 U	< 2.9 U
4-Nitrophenol	100-02-7	1	< 2.8 U	< 47 U	< 2.8 UJ	< 47 U	< 2.9 U	< 2.9 U
Acenaphthene	83-32-9	NC	< 1.4 U	< 9.4 U	< 1.4 UJ	< 9.4 U	< 1.5 U	< 1.4 U
Acenaphthylene	208-96-8	NC	< 1.4 U	< 9.4 U	< 1.4 UJ	< 9.4 U	< 1.5 U	< 1.4 U
Acetophenone	98-86-2	NC	< 2.8 U	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.9 U	< 2.9 U
Anthracene	120-12-7	50	< 1.4 U	< 9.4 U	< 1.4 UJ	< 9.4 U	< 1.5 U	< 1.4 U
Atrazine	1912-24-9	7.5	< 2.8 U	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.9 U	< 2.9 U
Benzaldehyde	100-52-7	NC	< 2.8 U	< 47 U	< 2.8 UJ	< 47 U	< 2.9 U	< 2.9 U
Benzidine	92-87-5	5	< 7.5 U	< 94 U	< 7.4 UJ	< 94 U	< 7.8 U	< 7.7 U
Benzo[a]anthracene	56-55-3	0.002	< 1.4 U	< 9.4 U	< 1.4 UJ	< 9.4 U	< 1.5 U	< 1.4 U
Benzo[a]pyrene	50-32-8	0	< 1.4 U	< 9.4 U	< 1.4 UJ	< 9.4 U	< 1.5 U	< 1.4 U
Benzo[b]fluoranthene	205-99-2	0.002	< 1.4 U	< 9.4 U	< 1.4 UJ	< 9.4 U	< 1.5 U	< 1.4 U
Benzo[g,h,i]perylene	191-24-2	NC	< 1.4 U	< 9.4 U	< 1.4 UJ	< 9.4 U	< 1.5 U	< 1.4 U
Benzo[k]fluoranthene	207-08-9	0.002	< 1.4 U	< 9.4 U	< 1.4 UJ	< 9.4 U	< 1.5 U	< 1.4 U
Bis(2-Chloroethoxy)methane	111-91-1	5	< 2.8 U	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.9 U	< 2.9 U
Bis(2-Chloroethyl)Ether	111-44-4	1	< 2.8 U	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.9 U	< 2.9 U
Bis(2-Chloroisopropyl)ether	108-60-1	5	< 2.8 U	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.9 U	< 2.9 U
Bis(2-Ethylhexyl)phthalate	117-81-7	5	< 2.8 U	1.8 J	< 2.8 UJ	< 9.4 U	0.25 J	< 2.9 U
Butylbenzylphthalate	85-68-7	50	< 2.8 U	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.9 U	< 2.9 U
Caprolactam	105-60-2	NC	< 2.8 U	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.9 U	< 2.9 U
Carbazole	86-74-8	NC	< 2.8 U	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.9 U	< 2.9 U
Chrysene	218-01-9	0.002	< 1.4 U	< 9.4 U	< 1.4 UJ	< 9.4 U	< 1.5 U	< 1.4 U
Dibenzo[a,h]Anthracene	53-70-3	NC	< 1.4 U	< 9.4 U	< 1.4 UJ	< 9.4 U	< 1.5 U	< 1.4 U
Dibenzofuran	132-64-9	NC	< 2.8 U	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.9 U	< 2.9 U
Diethylphthalate	84-66-2	50	< 2.8 U	< 9.4 U	< 2.8 UJ	< 9.4 U	0.29 J	0.18 J
Dimethylphthalate	131-11-3	50	< 2.8 U	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.9 U	< 2.9 U
Di-n-butylphthalate	84-74-2	50	< 2.8 U	< 9.4 U	< 2.8 UJ	< 9.4 U	0.15 J	< 2.9 U
Di-n-octylphthalate	117-84-0	50	< 2.8 U	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.9 U	< 2.9 U
Fluoranthene	206-44-0	50	< 1.4 U	< 9.4 U	< 1.4 UJ	< 9.4 U	< 1.5 U	< 1.4 U
Fluorene	86-73-7	50	< 1.4 U	< 9.4 U	< 1.4 UJ	< 9.4 U	< 1.5 U	< 1.4 U
Hexachlorobenzene	118-74-1	0.04	< 2.8 U	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.9 U	< 2.9 U
Hexachlorobutadiene	87-68-3	0.5	< 2.8 U	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.9 U	< 2.9 U
Hexachlorocyclopentadiene	77-47-4	5	< 2.8 U	< 9.4 UJ	< 2.8 UJ	< 9.4 UJ	< 2.9 U	< 2.9 U
Hexachloroethane	67-72-1	5	< 2.8 U	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.9 U	< 2.9 U
Indeno[1,2,3-cd]pyrene	193-39-5	0.002	< 1.4 U	< 9.4 U	< 1.4 UJ	< 9.4 U	< 1.5 U	< 1.4 U
Isophorone	78-59-1	50	< 2.8 U	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.9 U	0.62 J
m-Cresol & p-Cresol	MEPH1314	NC	< 2.8 U	NA	< 2.8 UJ	NA	0.77 J	0.60 J
Naphthalene	91-20-3	10	0.15 J	< 9.4 U	< 1.4 UJ	< 9.4 U	< 1.5 U	< 1.4 U
Nitrobenzene	98-95-3	0.4	< 2.8 U	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.9 U	< 2.9 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	< 2.8 U	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.9 U	< 2.9 U
N-Nitrosodiphenylamine	86-30-6	50	< 2.8 U	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.9 U	< 2.9 U
Pentachlorophenol	87-86-5	NC	< 5.6 U	< 47 U	< 5.6 UJ	< 47 U	< 5.8 U	1.2 J
Phenanthrene	85-01-8	50	< 1.4 U	< 9.4 U	< 1.4 UJ	< 9.4 U	< 1.5 U	< 1.4 U
Phenol	108-95-2	NC	< 7.5 U	< 9.4 U	< 7.4 UJ	< 9.4 U	< 7.8 U	< 7.7 U
Pyrene	129-00-0	50	< 1.4 U	< 9.4 U	< 1.4 UJ	< 9.4 U	< 1.5 U	< 1.4 U
Pyridine	110-86-1	50	< 2.8 U	< 47 U	< 2.8 UJ	< 47 U	< 2.9 U	< 2.9 U
Total SVOCs TICs	NA	NC	4.8	NT	4.5	NT	5	5

Notes:
All units in micrograms per liter (µg/L)
NT - No TICs identified
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.
Exceeds NYS GW Class GA

Table 10B - Groundwater Results - SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	OVR-105	OVR-106	OVR-106	OVR-107	OVR-107	OVR-108
		Sample ID	OVR-105-120516	OVR-106-082216	OVR-106-121216	OVR-107-082316	OVR-107-121216	OVR-108-082216
		Sample Date	12/5/2016	8/22/2016	12/12/2016	8/23/2016	12/12/2016	8/22/2016
		Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		Lab SDG	R1612714	2170212	R1613018	2170212	R1613018	2169456
Chemical Name	CAS #	NYS GW CLASS GA[1]						
SVOCs								
1,1'-Biphenyl	92-52-4	5	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U
1,2,4,5-Tetrachlorobenzene	95-94-3	5	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U
2,4,5-Trichlorophenol	95-95-4	1	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U
2,4,6-Trichlorophenol	88-06-2	NC	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U
2,4-Dichlorophenol	120-83-2	5	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U
2,4-Dimethylphenol	105-67-9	50	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U
2,4-Dinitrophenol	51-28-5	10	< 47 U	< 5.7 U	< 47 U	< 5.7 U	< 47 U	< 5.6 U
2,4-Dinitrotoluene	121-14-2	5	< 9.4 UJ	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U
2,6-Dinitrotoluene	606-20-2	5	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U
2-Chloronaphthalene	91-58-7	10	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U
2-Chlorophenol	95-57-8	1	< 9.4 U	0.43 J	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U
2-Methylnaphthalene	91-57-6	NC	< 9.4 U	< 1.4 U	< 9.4 U	< 1.4 U	< 9.4 U	< 1.4 U
2-Methylphenol	95-48-7	1	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U
2-Nitroaniline	88-74-4	5	< 47 U	< 2.8 U	< 47 U	< 2.8 U	< 47 U	< 2.8 U
2-Nitrophenol	88-75-5	1	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U
3- AND 4- Methylphenol (TOTAL)	106-44-5	NC	< 9.4 U	NA	< 9.4 U	NA	< 9.4 UJ	NA
3,3-Dichlorobenzidine	91-94-1	5	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U
3-Nitroaniline	99-09-2	5	< 47 U	< 2.8 U	< 47 U	< 2.8 U	< 47 U	< 2.8 U
4,6-Dinitro-2-methylphenol	534-52-1	1	< 47 U	< 5.7 U	< 47 U	< 5.7 U	< 47 U	< 5.6 U
4-Bromophenyl-phenylether	101-55-3	NC	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U
4-Chloro-3-methylphenol	59-50-7	1	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U
4-Chloroaniline	106-47-8	5	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U
4-Chlorophenyl-phenylether	7005-72-3	NC	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U
4-Nitroaniline	100-01-6	5	< 47 U	< 2.8 UJ	< 47 U	< 2.8 UJ	< 47 U	< 2.8 U
4-Nitrophenol	100-02-7	1	< 47 U	< 2.8 U	< 47 U	< 2.8 U	< 47 UJ	< 2.8 U
Acenaphthene	83-32-9	NC	< 9.4 U	< 1.4 U	< 9.4 U	< 1.4 U	< 9.4 U	< 1.4 U
Acenaphthylene	208-96-8	NC	< 9.4 U	< 1.4 U	< 9.4 U	< 1.4 U	< 9.4 U	< 1.4 U
Acetophenone	98-86-2	NC	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U
Anthracene	120-12-7	50	< 9.4 U	< 1.4 U	< 9.4 U	< 1.4 U	< 9.4 U	< 1.4 U
Atrazine	1912-24-9	7.5	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U
Benzaldehyde	100-52-7	NC	< 47 U	< 2.8 U	< 47 U	< 2.8 U	< 47 UJ	< 2.8 U
Benzidine	92-87-5	5	< 94 U	< 7.5 U	< 94 U	< 7.5 U	< 94 U	< 7.4 U
Benzo[a]anthracene	56-55-3	0.002	< 9.4 U	< 1.4 U	< 9.4 U	< 1.4 U	< 9.4 U	< 1.4 U
Benzo[a]pyrene	50-32-8	0	< 9.4 U	< 1.4 U	< 9.4 U	< 1.4 U	< 9.4 U	< 1.4 U
Benzo[b]fluoranthene	205-99-2	0.002	< 9.4 U	< 1.4 UJ	< 9.4 U	< 1.4 U	< 9.4 U	< 1.4 U
Benzo[g,h,i]perylene	191-24-2	NC	< 9.4 U	< 1.4 U	< 9.4 U	< 1.4 U	< 9.4 U	< 1.4 U
Benzo[k]fluoranthene	207-08-9	0.002	< 9.4 U	< 1.4 U	< 9.4 U	< 1.4 U	< 9.4 U	< 1.4 U
Bis(2-Chloroethoxy)methane	111-91-1	5	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U
Bis(2-Chloroethyl)Ether	111-44-4	1	< 9.4 U	0.25 J	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U
Bis(2-Chloroisopropyl)ether	108-60-1	5	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U
Bis(2-Ethylhexyl)phthalate	117-81-7	5	1.7 J	< 2.8 U	< 9.4 U	0.48 J	< 9.4 U	< 2.8 U
Butylbenzylphthalate	85-68-7	50	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U
Caprolactam	105-60-2	NC	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U
Carbazole	86-74-8	NC	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U
Chrysene	218-01-9	0.002	< 9.4 U	< 1.4 U	< 9.4 U	< 1.4 U	< 9.4 U	< 1.4 U
Dibenzo[a,h]Anthracene	53-70-3	NC	< 9.4 U	< 1.4 U	< 9.4 U	< 1.4 U	< 9.4 U	< 1.4 U
Dibenzofuran	132-64-9	NC	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U
Diethylphthalate	84-66-2	50	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U
Dimethylphthalate	131-11-3	50	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U
Di-n-butylphthalate	84-74-2	50	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U
Di-n-octylphthalate	117-84-0	50	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U
Fluoranthene	206-44-0	50	< 9.4 U	0.20 J	< 9.4 U	< 1.4 U	< 9.4 U	< 1.4 U
Fluorene	86-73-7	50	< 9.4 U	< 1.4 U	< 9.4 U	< 1.4 U	< 9.4 U	< 1.4 U
Hexachlorobenzene	118-74-1	0.04	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U
Hexachlorobutadiene	87-68-3	0.5	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U
Hexachlorocyclopentadiene	77-47-4	5	< 9.4 UJ	< 2.8 UJ	< 9.4 UJ	< 2.8 UJ	< 9.4 U	< 2.8 U
Hexachloroethane	67-72-1	5	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U
Indeno[1,2,3-cd]pyrene	193-39-5	0.002	< 9.4 U	< 1.4 U	< 9.4 U	< 1.4 U	< 9.4 U	< 1.4 U
Isophorone	78-59-1	50	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U
m-Cresol & p-Cresol	MEPH1314	NC	NA	< 2.8 U	NA	< 2.8 U	NA	< 2.8 U
Naphthalene	91-20-3	10	< 9.4 U	< 1.4 U	< 9.4 U	< 1.4 U	< 9.4 U	< 1.4 U
Nitrobenzene	98-95-3	0.4	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U
N-Nitrosodiphenylamine	86-30-6	50	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U
Pentachlorophenol	87-86-5	NC	< 47 U	< 5.7 U	< 47 U	< 5.7 U	< 47 U	< 5.6 U
Phenanthrene	85-01-8	50	< 9.4 U	< 1.4 U	< 9.4 U	< 1.4 U	< 9.4 U	< 1.4 U
Phenol	108-95-2	NC	< 9.4 U	< 7.5 U	< 9.4 U	< 7.5 U	< 9.4 UJ	< 7.4 U
Pyrene	129-00-0	50	< 9.4 U	< 1.4 U	< 9.4 U	< 1.4 U	< 9.4 U	< 1.4 U
Pyridine	110-86-1	50	< 47 U	< 2.8 U	< 47 U	< 2.8 U	< 47 UJ	< 2.8 U
Total SVOCs TICs	NA	NC	NT	157.2	NT	123.7	NT	33.2

Notes:
All units in micrograms per liter (µg/L)
NT - No TICs identified
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.
Exceeds NYS GW Class GA

Table 10B - Groundwater Results - SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	OVR-108	OVR-109	OVR-109	OVR-110	OVR-110	OVR-111
		Sample ID	OVR-108-121216	OVR-109-082216	OVR-109-121216	OVR-110-081616	OVR-110-120516	OVR-111-082216
		Sample Date	12/12/2016	8/22/2016	12/12/2016	8/15/2016	12/5/2016	8/22/2016
		Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		Lab SDG	R1613018	2169456	R1613018	2168497	R1612714	2169456
Chemical Name	CAS #	NYS GW CLASS GA[1]						
SVOCs								
1,1'-Biphenyl	92-52-4	5	< 9.4 U	< 3.0 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U
1,2,4,5-Tetrachlorobenzene	95-94-3	5	< 9.4 U	< 3.0 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	< 9.4 U	< 3.0 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U
2,4,5-Trichlorophenol	95-95-4	1	< 9.4 U	< 3.0 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U
2,4,6-Trichlorophenol	88-06-2	NC	< 9.4 U	< 3.0 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U
2,4-Dichlorophenol	120-83-2	5	< 9.4 U	< 3.0 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U
2,4-Dimethylphenol	105-67-9	50	< 9.4 U	< 3.0 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U
2,4-Dinitrophenol	51-28-5	10	< 47 U	< 5.9 U	< 47 U	< 5.6 U	< 47 U	< 5.6 U
2,4-Dinitrotoluene	121-14-2	5	< 9.4 U	< 3.0 U	< 9.4 U	< 2.8 U	< 9.4 UJ	< 2.8 U
2,6-Dinitrotoluene	606-20-2	5	< 9.4 U	< 3.0 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U
2-Chloronaphthalene	91-58-7	10	< 9.4 U	< 3.0 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U
2-Chlorophenol	95-57-8	1	< 9.4 U	< 3.0 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U
2-Methylnaphthalene	91-57-6	NC	< 9.4 U	< 1.5 U	< 9.4 U	< 1.4 U	< 9.4 U	< 1.4 U
2-Methylphenol	95-48-7	1	< 9.4 U	< 3.0 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U
2-Nitroaniline	88-74-4	5	< 47 U	< 3.0 U	< 47 U	< 2.8 U	< 47 U	< 2.8 U
2-Nitrophenol	88-75-5	1	< 9.4 U	< 3.0 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U
3- AND 4- Methylphenol (TOTAL)	106-44-5	NC	< 9.4 UJ	NA	< 9.4 U	NA	< 9.4 U	NA
3,3-Dichlorobenzidine	91-94-1	5	< 9.4 U	< 3.0 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U
3-Nitroaniline	99-09-2	5	< 47 U	< 3.0 U	< 47 U	< 2.8 U	< 47 U	< 2.8 U
4,6-Dinitro-2-methylphenol	534-52-1	1	< 47 U	< 5.9 U	< 47 U	< 5.6 U	< 47 U	< 5.6 U
4-Bromophenyl-phenylether	101-55-3	NC	< 9.4 U	< 3.0 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U
4-Chloro-3-methylphenol	59-50-7	1	< 9.4 U	< 3.0 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U
4-Chloroaniline	106-47-8	5	< 9.4 U	< 3.0 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U
4-Chlorophenyl-phenylether	7005-72-3	NC	< 9.4 U	< 3.0 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U
4-Nitroaniline	100-01-6	5	< 47 U	< 3.0 U	< 47 U	< 2.8 U	< 47 U	< 2.8 U
4-Nitrophenol	100-02-7	1	< 47 UJ	< 3.0 U	< 47 U	< 2.8 U	< 47 U	< 2.8 U
Acenaphthene	83-32-9	NC	< 9.4 U	< 1.5 U	< 9.4 U	< 1.4 U	< 9.4 U	< 1.4 U
Acenaphthylene	208-96-8	NC	< 9.4 U	< 1.5 U	< 9.4 U	< 1.4 U	< 9.4 U	< 1.4 U
Acetophenone	98-86-2	NC	< 9.4 U	< 3.0 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U
Anthracene	120-12-7	50	< 9.4 U	< 1.5 U	< 9.4 U	< 1.4 U	< 9.4 U	< 1.4 U
Atrazine	1912-24-9	7.5	< 9.4 U	< 3.0 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U
Benzaldehyde	100-52-7	NC	< 47 UJ	< 3.0 U	< 47 U	< 2.8 U	< 47 U	< 2.8 U
Benzidine	92-87-5	5	< 94 U	< 7.9 U	< 94 U	< 7.5 U	< 94 U	< 7.4 U
Benzo[a]anthracene	56-55-3	0.002	< 9.4 U	< 1.5 U	< 9.4 U	< 1.4 U	< 9.4 U	< 1.4 U
Benzo[a]pyrene	50-32-8	0	< 9.4 U	< 1.5 U	< 9.4 U	< 1.4 U	< 9.4 U	< 1.4 U
Benzo[b]fluoranthene	205-99-2	0.002	< 9.4 U	< 1.5 U	< 9.4 U	< 1.4 U	< 9.4 U	< 1.4 U
Benzo[g,h,i]perylene	191-24-2	NC	< 9.4 U	< 1.5 U	< 9.4 U	< 1.4 U	< 9.4 U	< 1.4 U
Benzo[k]fluoranthene	207-08-9	0.002	< 9.4 U	< 1.5 U	< 9.4 U	< 1.4 U	< 9.4 U	< 1.4 U
Bis(2-Chloroethoxy)methane	111-91-1	5	< 9.4 U	< 3.0 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U
Bis(2-Chloroethyl)Ether	111-44-4	1	< 9.4 U	< 3.0 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U
Bis(2-Chloroisopropyl)ether	108-60-1	5	< 9.4 U	< 3.0 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U
Bis(2-Ethylhexyl)phthalate	117-81-7	5	< 9.4 U	< 3.0 U	< 9.4 U	0.24 J	< 9.4 U	< 2.8 U
Butylbenzylphthalate	85-68-7	50	< 9.4 U	< 3.0 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U
Caprolactam	105-60-2	NC	< 9.4 U	< 3.0 U	4.7 J	< 2.8 U	< 9.4 U	< 2.8 U
Carbazole	86-74-8	NC	< 9.4 U	< 3.0 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U
Chrysene	218-01-9	0.002	< 9.4 U	< 1.5 U	< 9.4 U	< 1.4 U	< 9.4 U	< 1.4 U
Dibenzo[a,h]Anthracene	53-70-3	NC	< 9.4 U	< 1.5 U	< 9.4 U	< 1.4 U	< 9.4 U	< 1.4 U
Dibenzofuran	132-64-9	NC	< 9.4 U	< 3.0 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U
Diethylphthalate	84-66-2	50	< 9.4 U	< 3.0 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U
Dimethylphthalate	131-11-3	50	< 9.4 U	< 3.0 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U
Di-n-butylphthalate	84-74-2	50	< 9.4 U	< 3.0 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U
Di-n-octylphthalate	117-84-0	50	< 9.4 U	< 3.0 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U
Fluoranthene	206-44-0	50	< 9.4 U	< 1.5 U	< 9.4 U	< 1.4 U	< 9.4 U	< 1.4 U
Fluorene	86-73-7	50	< 9.4 U	< 1.5 U	< 9.4 U	< 1.4 U	< 9.4 U	< 1.4 U
Hexachlorobenzene	118-74-1	0.04	< 9.4 U	< 3.0 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U
Hexachlorobutadiene	87-68-3	0.5	< 9.4 U	< 3.0 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U
Hexachlorocyclopentadiene	77-47-4	5	< 9.4 U	< 3.0 U	< 9.4 UJ	< 2.8 U	< 9.4 UJ	< 2.8 U
Hexachloroethane	67-72-1	5	< 9.4 U	< 3.0 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U
Indeno[1,2,3-cd]pyrene	193-39-5	0.002	< 9.4 U	< 1.5 U	< 9.4 U	< 1.4 U	< 9.4 U	< 1.4 U
Isophorone	78-59-1	50	< 9.4 U	< 3.0 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U
m-Cresol & p-Cresol	MEPH1314	NC	NA	< 3.0 U	NA	< 2.8 U	NA	< 2.8 U
Naphthalene	91-20-3	10	< 9.4 U	< 1.5 U	< 9.4 U	0.15 J	< 9.4 U	< 1.4 U
Nitrobenzene	98-95-3	0.4	< 9.4 U	< 3.0 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	< 9.4 U	< 3.0 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U
N-Nitrosodiphenylamine	86-30-6	50	< 9.4 U	< 3.0 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U
Pentachlorophenol	87-86-5	NC	< 47 U	< 5.9 U	< 47 U	< 5.6 U	< 47 U	< 5.6 U
Phenanthrene	85-01-8	50	< 9.4 U	< 1.5 U	< 9.4 U	< 1.4 U	< 9.4 U	< 1.4 U
Phenol	108-95-2	NC	< 9.4 UJ	< 7.9 U	< 9.4 U	< 7.5 U	< 9.4 U	< 7.4 U
Pyrene	129-00-0	50	< 9.4 U	< 1.5 U	< 9.4 U	< 1.4 U	< 9.4 U	< 1.4 U
Pyridine	110-86-1	50	< 47 UJ	< 3.0 U	< 47 U	< 2.8 U	< 47 U	< 2.8 U
Total SVOCs TICs	NA	NC	NT	NT	NT	18.4	NT	NT

Notes:
All units in micrograms per liter (µg/L)
NT - No TICs identified
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.
Exceeds NYS GW Class GA

Table 10B - Groundwater Results - SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	OVR-111	OVR-112	OVR-112	OVR-113	OVR-114	OVR-114
		Sample ID	OVR-111-120916	OVR-112-081916	OVR-112-120816	OVR-113-120816	OVR-114-081616	OVR-114-120516
		Sample Date	12/9/2016	8/19/2016	12/8/2016	12/8/2016	8/15/2016	12/5/2016
		Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		Lab SDG	R1612845	2169456	R1612845	R1612845	2168497	R1612714
Chemical Name	CAS #	NYS GW CLASS GA[1]						
SVOCs								
1,1'-Biphenyl	92-52-4	5	< 9.4 U	< 2.8 U	< 9.4 U	< 9.4 U	< 2.8 U	< 9.4 U
1,2,4,5-Tetrachlorobenzene	95-94-3	5	< 9.4 U	< 2.8 U	< 9.4 U	< 9.4 U	< 2.8 U	< 9.4 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	< 9.4 U	< 2.8 U	< 9.4 U	< 9.4 U	< 2.8 U	< 9.4 U
2,4,5-Trichlorophenol	95-95-4	1	< 9.4 U	< 2.8 U	< 9.4 U	< 9.4 U	< 2.8 U	< 9.4 U
2,4,6-Trichlorophenol	88-06-2	NC	< 9.4 U	< 2.8 U	< 9.4 U	< 9.4 U	< 2.8 U	< 9.4 U
2,4-Dichlorophenol	120-83-2	5	< 9.4 U	< 2.8 U	< 9.4 U	< 9.4 U	< 2.8 U	< 9.4 U
2,4-Dimethylphenol	105-67-9	50	< 9.4 U	< 2.8 U	< 9.4 U	< 9.4 U	< 2.8 U	< 9.4 U
2,4-Dinitrophenol	51-28-5	10	< 47 U	< 5.6 U	< 47 U	< 47 U	< 5.7 U	< 47 U
2,4-Dinitrotoluene	121-14-2	5	< 9.4 U	< 2.8 U	< 9.4 U	< 9.4 U	< 2.8 U	< 9.4 UJ
2,6-Dinitrotoluene	606-20-2	5	< 9.4 U	< 2.8 U	< 9.4 U	< 9.4 U	< 2.8 U	< 9.4 U
2-Chloronaphthalene	91-58-7	10	< 9.4 U	< 2.8 U	< 9.4 U	< 9.4 U	< 2.8 U	< 9.4 U
2-Chlorophenol	95-57-8	1	< 9.4 U	< 2.8 U	< 9.4 U	< 9.4 U	< 2.8 U	< 9.4 U
2-Methylnaphthalene	91-57-6	NC	< 9.4 U	< 1.4 U	< 9.4 U	< 9.4 U	< 1.4 U	< 9.4 U
2-Methylphenol	95-48-7	1	< 9.4 U	< 2.8 U	< 9.4 U	< 9.4 U	< 2.8 U	< 9.4 U
2-Nitroaniline	88-74-4	5	< 47 U	< 2.8 U	< 47 U	< 47 U	< 2.8 U	< 47 U
2-Nitrophenol	88-75-5	1	< 9.4 U	< 2.8 U	< 9.4 U	< 9.4 U	< 2.8 U	< 9.4 U
3- AND 4- Methylphenol (TOTAL)	106-44-5	NC	< 9.4 U	NA	< 9.4 U	< 9.4 U	NA	< 9.4 U
3,3-Dichlorobenzidine	91-94-1	5	< 9.4 U	< 2.8 U	< 9.4 U	< 9.4 U	< 2.8 U	< 9.4 U
3-Nitroaniline	99-09-2	5	< 47 U	< 2.8 U	< 47 U	< 47 U	< 2.8 U	< 47 U
4,6-Dinitro-2-methylphenol	534-52-1	1	< 47 U	< 5.6 U	< 47 U	< 47 U	< 5.7 U	< 47 U
4-Bromophenyl-phenylether	101-55-3	NC	< 9.4 U	< 2.8 U	< 9.4 U	< 9.4 U	< 2.8 U	< 9.4 U
4-Chloro-3-methylphenol	59-50-7	1	< 9.4 U	< 2.8 U	< 9.4 U	< 9.4 U	< 2.8 U	< 9.4 U
4-Chloroaniline	106-47-8	5	< 9.4 U	< 2.8 U	< 9.4 U	< 9.4 U	< 2.8 U	< 9.4 U
4-Chlorophenyl-phenylether	7005-72-3	NC	< 9.4 U	< 2.8 U	< 9.4 U	< 9.4 U	< 2.8 U	< 9.4 U
4-Nitroaniline	100-01-6	5	< 47 U	< 2.8 U	< 47 U	< 47 U	< 2.8 U	< 47 U
4-Nitrophenol	100-02-7	1	< 47 U	< 2.8 U	< 47 U	< 47 U	< 2.8 U	< 47 U
Acenaphthene	83-32-9	NC	< 9.4 U	< 1.4 U	< 9.4 U	< 9.4 U	< 1.4 U	< 9.4 U
Acenaphthylene	208-96-8	NC	< 9.4 U	< 1.4 U	< 9.4 U	< 9.4 U	< 1.4 U	< 9.4 U
Acetophenone	98-86-2	NC	< 9.4 U	< 2.8 U	< 9.4 U	< 9.4 U	< 2.8 U	< 9.4 U
Anthracene	120-12-7	50	< 9.4 U	< 1.4 U	< 9.4 U	< 9.4 U	< 1.4 U	< 9.4 U
Atrazine	1912-24-9	7.5	< 9.4 U	< 2.8 U	< 9.4 U	< 9.4 U	< 2.8 U	< 9.4 U
Benzaldehyde	100-52-7	NC	< 47 U	< 2.8 U	< 47 U	< 47 U	< 2.8 U	< 47 U
Benzidine	92-87-5	5	< 94 U	< 7.5 U	< 94 U	< 94 U	< 7.5 U	< 94 U
Benzo[a]anthracene	56-55-3	0.002	< 9.4 U	< 1.4 U	< 9.4 U	< 9.4 U	< 1.4 U	< 9.4 U
Benzo[a]pyrene	50-32-8	0	< 9.4 U	< 1.4 U	< 9.4 U	< 9.4 U	< 1.4 U	< 9.4 U
Benzo[b]fluoranthene	205-99-2	0.002	< 9.4 U	< 1.4 U	< 9.4 U	< 9.4 U	< 1.4 U	< 9.4 U
Benzo[g,h,i]perylene	191-24-2	NC	< 9.4 U	< 1.4 U	< 9.4 U	< 9.4 U	< 1.4 U	< 9.4 U
Benzo[k]fluoranthene	207-08-9	0.002	< 9.4 U	< 1.4 U	< 9.4 U	< 9.4 U	< 1.4 U	< 9.4 U
Bis(2-Chloroethoxy)methane	111-91-1	5	< 9.4 U	< 2.8 U	< 9.4 U	< 9.4 U	< 2.8 U	< 9.4 U
Bis(2-Chloroethyl)Ether	111-44-4	1	< 9.4 U	< 2.8 U	< 9.4 U	< 9.4 U	< 2.8 U	< 9.4 U
Bis(2-Chloroisopropyl)ether	108-60-1	5	< 9.4 U	< 2.8 U	< 9.4 U	< 9.4 U	< 2.8 U	< 9.4 U
Bis(2-Ethylhexyl)phthalate	117-81-7	5	< 9.4 U	< 2.8 U	< 9.4 U	< 9.4 U	< 2.8 U	< 9.4 U
Butylbenzylphthalate	85-68-7	50	< 9.4 U	< 2.8 U	< 9.4 U	< 9.4 U	< 2.8 U	< 9.4 U
Caprolactam	105-60-2	NC	< 9.4 U	< 2.8 U	< 9.4 U	< 9.4 U	< 2.8 U	< 9.4 U
Carbazole	86-74-8	NC	< 9.4 U	< 2.8 U	< 9.4 U	< 9.4 U	< 2.8 U	< 9.4 U
Chrysene	218-01-9	0.002	< 9.4 U	< 1.4 U	< 9.4 U	< 9.4 U	< 1.4 U	< 9.4 U
Dibenzo[a,h]Anthracene	53-70-3	NC	< 9.4 U	< 1.4 U	< 9.4 U	< 9.4 U	< 1.4 U	< 9.4 U
Dibenzofuran	132-64-9	NC	< 9.4 U	< 2.8 U	< 9.4 U	< 9.4 U	< 2.8 U	< 9.4 U
Diethylphthalate	84-66-2	50	< 9.4 U	< 2.8 U	< 9.4 U	< 9.4 U	< 2.8 U	< 9.4 U
Dimethylphthalate	131-11-3	50	< 9.4 U	< 2.8 U	< 9.4 U	< 9.4 U	< 2.8 U	< 9.4 U
Di-n-butylphthalate	84-74-2	50	< 9.4 U	< 2.8 U	< 9.4 U	< 9.4 U	< 2.8 U	< 9.4 U
Di-n-octylphthalate	117-84-0	50	< 9.4 U	< 2.8 U	< 9.4 U	< 9.4 U	< 2.8 U	< 9.4 U
Fluoranthene	206-44-0	50	< 9.4 U	< 1.4 U	< 9.4 U	< 9.4 U	< 1.4 U	< 9.4 U
Fluorene	86-73-7	50	< 9.4 U	< 1.4 U	< 9.4 U	< 9.4 U	< 1.4 U	< 9.4 U
Hexachlorobenzene	118-74-1	0.04	< 9.4 U	< 2.8 U	< 9.4 U	< 9.4 U	< 2.8 U	< 9.4 U
Hexachlorobutadiene	87-68-3	0.5	< 9.4 U	< 2.8 U	< 9.4 U	< 9.4 U	< 2.8 U	< 9.4 U
Hexachlorocyclopentadiene	77-47-4	5	< 9.4 UJ	< 2.8 U	< 9.4 UJ	< 9.4 UJ	< 2.8 U	< 9.4 UJ
Hexachloroethane	67-72-1	5	< 9.4 U	< 2.8 U	< 9.4 U	< 9.4 U	< 2.8 U	< 9.4 U
Indeno[1,2,3-cd]pyrene	193-39-5	0.002	< 9.4 U	< 1.4 U	< 9.4 U	< 9.4 U	< 1.4 U	< 9.4 U
Isophorone	78-59-1	50	< 9.4 U	< 2.8 U	< 9.4 U	< 9.4 U	< 2.8 U	< 9.4 U
m-Cresol & p-Cresol	MEPH1314	NC	NA	< 2.8 U	NA	NA	< 2.8 U	NA
Naphthalene	91-20-3	10	< 9.4 U	< 1.4 U	< 9.4 U	< 9.4 U	< 1.4 U	< 9.4 U
Nitrobenzene	98-95-3	0.4	< 9.4 U	< 2.8 U	< 9.4 U	< 9.4 U	< 2.8 U	< 9.4 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	< 9.4 U	< 2.8 U	< 9.4 U	< 9.4 U	< 2.8 U	< 9.4 U
N-Nitrosodiphenylamine	86-30-6	50	< 9.4 U	< 2.8 U	< 9.4 U	< 9.4 U	< 2.8 U	< 9.4 U
Pentachlorophenol	87-86-5	NC	< 47 U	< 5.6 U	< 47 U	< 47 U	< 5.7 U	< 47 U
Phenanthrene	85-01-8	50	< 9.4 U	< 1.4 U	< 9.4 U	< 9.4 U	< 1.4 U	< 9.4 U
Phenol	108-95-2	NC	< 9.4 U	< 7.5 U	< 9.4 U	< 9.4 U	< 7.5 U	< 9.4 U
Pyrene	129-00-0	50	< 9.4 U	< 1.4 U	< 9.4 U	< 9.4 U	< 1.4 U	< 9.4 U
Pyridine	110-86-1	50	< 47 U	< 2.8 U	< 47 U	< 47 U	< 2.8 U	< 47 U
Total SVOCs TICs	NA	NC	NT	4.3	NT	NT	10.4	NT

Notes:
All units in micrograms per liter (µg/L)
NT - No TICs identified
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.
Exceeds NYS GW Class GA

Table 10B - Groundwater Results - SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	OVR-115	OVR-115	OVR-116	OVR-116	OVR-116	OVR-117
		Sample ID	OVR-115-081616	OVR-115-120616	DUP-011-081616	OVR-116-081616	OVR-116-120616	OVR-117-082416
		Sample Date	8/15/2016	12/6/2016	8/15/2016	8/15/2016	12/6/2016	8/24/2016
		Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		Lab SDG	2168497	R1612714	2168497	2168497	R1612714	2170212
Chemical Name	**CAS #**	**NYS GW CLASS GA[1]**						
SVOCs								
1,1'-Biphenyl	92-52-4	5	< 2.8 U	< 9.4 U	< 2.8 U	< 2.9 U	< 9.4 U	0.64 J
1,2,4,5-Tetrachlorobenzene	95-94-3	5	< 2.8 U	< 9.4 U	< 2.8 U	< 2.9 U	< 9.4 U	< 2.8 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	< 2.8 U	< 9.4 U	< 2.8 U	< 2.9 U	< 9.4 U	< 2.8 U
2,4,5-Trichlorophenol	95-95-4	1	< 2.8 U	< 9.4 U	< 2.8 U	< 2.9 U	< 9.4 U	< 2.8 U
2,4,6-Trichlorophenol	88-06-2	NC	< 2.8 U	< 9.4 U	< 2.8 U	< 2.9 U	< 9.4 U	< 2.8 U
2,4-Dichlorophenol	120-83-2	5	< 2.8 U	< 9.4 U	< 2.8 U	< 2.9 U	< 9.4 U	< 2.8 U
2,4-Dimethylphenol	105-67-9	50	< 2.8 U	< 9.4 U	< 2.8 U	< 2.9 U	< 9.4 U	< 2.8 U
2,4-Dinitrophenol	51-28-5	10	< 5.6 U	< 47 U	< 5.6 U	< 5.7 U	< 47 U	< 5.6 U
2,4-Dinitrotoluene	121-14-2	5	< 2.8 U	< 9.4 UJ	< 2.8 U	< 2.9 U	< 9.4 U	< 2.8 U
2,6-Dinitrotoluene	606-20-2	5	< 2.8 U	< 9.4 U	< 2.8 U	< 2.9 U	< 9.4 U	< 2.8 U
2-Chloronaphthalene	91-58-7	10	< 2.8 U	< 9.4 U	< 2.8 U	< 2.9 U	< 9.4 U	< 2.8 U
2-Chlorophenol	95-57-8	1	< 2.8 U	< 9.4 U	< 2.8 U	< 2.9 U	< 9.4 U	< 2.8 U
2-Methylnaphthalene	91-57-6	NC	< 1.4 U	< 9.4 U	< 1.4 U	< 1.4 U	< 9.4 U	0.96 J
2-Methylphenol	95-48-7	1	< 2.8 U	< 9.4 U	< 2.8 U	< 2.9 U	< 9.4 U	< 2.8 U
2-Nitroaniline	88-74-4	5	< 2.8 U	< 47 U	< 2.8 U	< 2.9 U	< 47 U	< 2.8 U
2-Nitrophenol	88-75-5	1	< 2.8 U	< 9.4 U	< 2.8 U	< 2.9 U	< 9.4 U	< 2.8 U
3- AND 4- Methylphenol (TOTAL)	106-44-5	NC	NA	< 9.4 U	NA	NA	< 9.4 U	NA
3,3-Dichlorobenzidine	91-94-1	5	< 2.8 U	< 9.4 U	< 2.8 U	< 2.9 U	< 9.4 U	< 2.8 U
3-Nitroaniline	99-09-2	5	< 2.8 U	< 47 U	< 2.8 U	< 2.9 U	< 47 U	< 2.8 U
4,6-Dinitro-2-methylphenol	534-52-1	1	< 5.6 U	< 47 U	< 5.6 U	< 5.7 U	< 47 U	< 5.6 U
4-Bromophenyl-phenylether	101-55-3	NC	< 2.8 U	< 9.4 U	< 2.8 U	< 2.9 U	< 9.4 U	< 2.8 U
4-Chloro-3-methylphenol	59-50-7	1	< 2.8 U	< 9.4 U	< 2.8 U	< 2.9 U	< 9.4 U	< 2.8 U
4-Chloroaniline	106-47-8	5	< 2.8 U	< 9.4 U	< 2.8 U	< 2.9 U	< 9.4 U	< 2.8 U
4-Chlorophenyl-phenylether	7005-72-3	NC	< 2.8 U	< 9.4 U	< 2.8 U	< 2.9 U	< 9.4 U	< 2.8 U
4-Nitroaniline	100-01-6	5	< 2.8 U	< 47 U	< 2.8 U	< 2.9 U	< 47 U	< 2.8 U
4-Nitrophenol	100-02-7	1	< 2.8 U	< 47 U	< 2.8 U	< 2.9 U	< 47 U	< 2.8 U
Acenaphthene	83-32-9	NC	< 1.4 U	< 9.4 U	< 1.4 U	< 1.4 U	< 9.4 U	< 1.4 U
Acenaphthylene	208-96-8	NC	< 1.4 U	< 9.4 U	< 1.4 U	< 1.4 U	< 9.4 U	< 1.4 U
Acetophenone	98-86-2	NC	< 2.8 U	< 9.4 U	< 2.8 U	< 2.9 U	< 9.4 U	< 2.8 U
Anthracene	120-12-7	50	< 1.4 U	< 9.4 U	< 1.4 U	< 1.4 U	< 9.4 U	0.17 J
Atrazine	1912-24-9	7.5	< 2.8 U	< 9.4 U	< 2.8 U	< 2.9 U	< 9.4 U	< 2.8 U
Benzaldehyde	100-52-7	NC	< 2.8 U	< 47 U	< 2.8 U	< 2.9 U	< 47 U	< 2.8 U
Benzidine	92-87-5	5	< 7.5 U	< 94 U	< 7.4 U	< 7.6 U	< 94 U	< 7.5 U
Benzo[a]anthracene	56-55-3	0.002	< 1.4 U	< 9.4 U	< 1.4 U	< 1.4 U	< 9.4 U	< 1.4 U
Benzo[a]pyrene	50-32-8	0	< 1.4 U	< 9.4 U	< 1.4 U	< 1.4 U	< 9.4 U	< 1.4 U
Benzo[b]fluoranthene	205-99-2	0.002	< 1.4 U	< 9.4 U	< 1.4 U	< 1.4 U	< 9.4 U	< 1.4 U
Benzo[g,h,i]perylene	191-24-2	NC	< 1.4 U	< 9.4 U	< 1.4 U	< 1.4 U	< 9.4 U	< 1.4 U
Benzo[k]fluoranthene	207-08-9	0.002	< 1.4 U	< 9.4 U	< 1.4 U	< 1.4 U	< 9.4 U	< 1.4 U
Bis(2-Chloroethoxy)methane	111-91-1	5	< 2.8 U	< 9.4 U	< 2.8 U	< 2.9 U	< 9.4 U	< 2.8 U
Bis(2-Chloroethyl)Ether	111-44-4	1	< 2.8 U	< 9.4 U	< 2.8 U	< 2.9 U	< 9.4 U	< 2.8 U
Bis(2-Chloroisopropyl)ether	108-60-1	5	< 2.8 U	< 9.4 U	< 2.8 U	< 2.9 U	< 9.4 U	< 2.8 U
Bis(2-Ethylhexyl)phthalate	117-81-7	5	< 2.8 U	< 9.4 U	< 2.8 U	< 2.9 U	1.3 J	< 2.8 U
Butylbenzylphthalate	85-68-7	50	< 2.8 U	< 9.4 U	< 2.8 U	< 2.9 U	< 9.4 U	< 2.8 U
Caprolactam	105-60-2	NC	< 2.8 U	< 9.4 U	< 2.8 U	< 2.9 U	< 9.4 U	< 2.8 U
Carbazole	86-74-8	NC	< 2.8 U	< 9.4 U	< 2.8 U	< 2.9 U	< 9.4 U	< 2.8 U
Chrysene	218-01-9	0.002	< 1.4 U	< 9.4 U	< 1.4 U	< 1.4 U	< 9.4 U	< 1.4 U
Dibenzo[a,h]Anthracene	53-70-3	NC	< 1.4 U	< 9.4 U	< 1.4 U	< 1.4 U	< 9.4 U	< 1.4 U
Dibenzofuran	132-64-9	NC	< 2.8 U	< 9.4 U	< 2.8 U	< 2.9 U	< 9.4 U	< 2.8 U
Diethylphthalate	84-66-2	50	< 2.8 U	< 9.4 U	< 2.8 U	< 2.9 U	< 9.4 U	< 2.8 U
Dimethylphthalate	131-11-3	50	< 2.8 U	< 9.4 U	< 2.8 U	< 2.9 U	< 9.4 U	< 2.8 U
Di-n-butylphthalate	84-74-2	50	< 2.8 U	< 9.4 U	< 2.8 U	< 2.9 U	< 9.4 U	0.20 J
Di-n-octylphthalate	117-84-0	50	< 2.8 U	< 9.4 U	< 2.8 U	< 2.9 U	< 9.4 U	< 2.8 U
Fluoranthene	206-44-0	50	< 1.4 U	< 9.4 U	< 1.4 U	< 1.4 U	< 9.4 U	< 1.4 U
Fluorene	86-73-7	50	< 1.4 U	< 9.4 U	< 1.4 U	< 1.4 U	< 9.4 U	0.22 J
Hexachlorobenzene	118-74-1	0.04	< 2.8 U	< 9.4 U	< 2.8 U	< 2.9 U	< 9.4 U	< 2.8 U
Hexachlorobutadiene	87-68-3	0.5	< 2.8 U	< 9.4 U	< 2.8 U	< 2.9 U	< 9.4 U	< 2.8 U
Hexachlorocyclopentadiene	77-47-4	5	< 2.8 U	< 9.4 UJ	< 2.8 U	< 2.9 U	< 9.4 UJ	< 2.8 U
Hexachloroethane	67-72-1	5	< 2.8 U	< 9.4 U	< 2.8 U	< 2.9 U	< 9.4 U	< 2.8 U
Indeno[1,2,3-cd]pyrene	193-39-5	0.002	< 1.4 U	< 9.4 U	< 1.4 U	< 1.4 U	< 9.4 U	< 1.4 U
Isophorone	78-59-1	50	< 2.8 U	< 9.4 U	< 2.8 U	< 2.9 U	< 9.4 U	< 2.8 U
m-Cresol & p-Cresol	MEPH1314	NC	< 2.8 U	NA	0.60 J	0.46 J	NA	< 2.8 U
Naphthalene	91-20-3	10	< 1.4 U	< 9.4 U	< 1.4 U	< 1.4 U	< 9.4 U	13.6
Nitrobenzene	98-95-3	0.4	< 2.8 U	< 9.4 U	< 2.8 U	< 2.9 U	< 9.4 U	< 2.8 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	< 2.8 U	< 9.4 U	< 2.8 U	< 2.9 U	< 9.4 U	< 2.8 U
N-Nitrosodiphenylamine	86-30-6	50	< 2.8 U	< 9.4 U	< 2.8 U	< 2.9 U	< 9.4 U	< 2.8 U
Pentachlorophenol	87-86-5	NC	< 5.6 U	< 47 U	< 5.6 U	< 5.7 U	< 47 U	< 5.6 U
Phenanthrene	85-01-8	50	< 1.4 U	< 9.4 U	< 1.4 U	< 1.4 U	< 9.4 U	0.37 J
Phenol	108-95-2	NC	< 7.5 U	< 9.4 U	< 7.4 U	< 7.6 U	< 9.4 U	< 7.5 U
Pyrene	129-00-0	50	< 1.4 U	< 9.4 U	< 1.4 U	< 1.4 U	< 9.4 U	< 1.4 U
Pyridine	110-86-1	50	< 2.8 U	< 47 U	< 2.8 U	< 2.9 U	< 47 U	< 2.8 U
Total SVOCs TICs	NA	NC	NT	NT	33.3	NT	NT	1056.3

Notes:
All units in micrograms per liter (µg/L)
NT - No TICs identified
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.
Exceeds NYS GW Class GA

Table 10B - Groundwater Results - SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	OVR-117	OVR-118	OVR-118	OVR-119	OVR-119	OVR-120
		Sample ID	OVR-117-121316	OVR-118-081816	OVR-118-120716	OVR-119-081916	OVR-119-120816	OVR-120-081816
		Sample Date	12/13/2016	8/18/2016	12/7/2016	8/19/2016	12/8/2016	8/18/2016
		Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		Lab SDG	R1613018	2168907	R1612845	2169456	R1612845	2168907
Chemical Name	CAS #	NYS GW CLASS GA[1]						
SVOCs								
1,1'-Biphenyl	92-52-4	5	< 9.4 U	< 2.8 U	< 9.4 U	0.40 J	< 9.4 U	< 2.9 U
1,2,4,5-Tetrachlorobenzene	95-94-3	5	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.9 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.9 U
2,4,5-Trichlorophenol	95-95-4	1	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.9 U
2,4,6-Trichlorophenol	88-06-2	NC	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.9 U
2,4-Dichlorophenol	120-83-2	5	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.9 U
2,4-Dimethylphenol	105-67-9	50	< 9.4 U	< 2.8 U	< 9.4 U	1.3 J	< 9.4 U	< 2.9 U
2,4-Dinitrophenol	51-28-5	10	< 47 U	< 5.6 U	< 47 U	< 5.6 U	< 47 U	< 5.7 U
2,4-Dinitrotoluene	121-14-2	5	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.9 U
2,6-Dinitrotoluene	606-20-2	5	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.9 U
2-Chloronaphthalene	91-58-7	10	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.9 U
2-Chlorophenol	95-57-8	1	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.9 U
2-Methylnaphthalene	91-57-6	NC	< 9.4 U	< 1.4 U	< 9.4 U	0.49 J	< 9.4 U	< 1.4 U
2-Methylphenol	95-48-7	1	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.9 U
2-Nitroaniline	88-74-4	5	< 47 U	< 2.8 U	< 47 U	< 2.8 U	< 47 U	< 2.9 U
2-Nitrophenol	88-75-5	1	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.9 U
3- AND 4- Methylphenol (TOTAL)	106-44-5	NC	< 9.4 UJ	NA	< 9.4 U	NA	< 9.4 U	NA
3,3-Dichlorobenzidine	91-94-1	5	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.9 U
3-Nitroaniline	99-09-2	5	< 47 U	< 2.8 U	< 47 U	< 2.8 U	< 47 U	< 2.9 U
4,6-Dinitro-2-methylphenol	534-52-1	1	< 47 U	< 5.6 U	< 47 U	< 5.6 U	< 47 U	< 5.7 U
4-Bromophenyl-phenylether	101-55-3	NC	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.9 U
4-Chloro-3-methylphenol	59-50-7	1	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.9 U
4-Chloroaniline	106-47-8	5	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.9 U
4-Chlorophenyl-phenylether	7005-72-3	NC	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.9 U
4-Nitroaniline	100-01-6	5	< 47 U	< 2.8 U	< 47 U	< 2.8 U	< 47 U	< 2.9 U
4-Nitrophenol	100-02-7	1	< 47 UJ	< 2.8 U	< 47 U	< 2.8 U	< 47 U	< 2.9 U
Acenaphthene	83-32-9	NC	< 9.4 U	< 1.4 U	< 9.4 U	2.2	3.4 J	< 1.4 U
Acenaphthylene	208-96-8	NC	< 9.4 U	< 1.4 U	< 9.4 U	0.74 J	1.3 J	< 1.4 U
Acetophenone	98-86-2	NC	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.9 U
Anthracene	120-12-7	50	< 9.4 U	< 1.4 U	< 9.4 U	0.95 J	1.8 J	< 1.4 U
Atrazine	1912-24-9	7.5	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.9 U
Benzaldehyde	100-52-7	NC	< 47 UJ	< 2.8 U	< 47 U	< 2.8 U	< 47 U	< 2.9 U
Benzidine	92-87-5	5	< 94 U	< 7.4 U	< 94 U	< 7.4 U	< 94 U	< 7.7 U
Benzo[a]anthracene	56-55-3	0.002	< 9.4 U	< 1.4 U	< 9.4 U	1.1 J	2.2 J	< 1.4 U
Benzo[a]pyrene	50-32-8	0	< 9.4 U	< 1.4 U	< 9.4 U	1.0 J	2.1 J	< 1.4 U
Benzo[b]fluoranthene	205-99-2	0.002	< 9.4 U	< 1.4 U	< 9.4 U	1.1 J	2.1 J	< 1.4 U
Benzo[g,h,i]perylene	191-24-2	NC	< 9.4 U	< 1.4 U	< 9.4 U	0.64 J	< 9.4 U	< 1.4 U
Benzo[k]fluoranthene	207-08-9	0.002	< 9.4 U	< 1.4 U	< 9.4 U	0.48 J	< 9.4 U	< 1.4 U
Bis(2-Chloroethoxy)methane	111-91-1	5	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.9 U
Bis(2-Chloroethyl)Ether	111-44-4	1	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.9 U
Bis(2-Chloroisopropyl)ether	108-60-1	5	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.9 U
Bis(2-Ethylhexyl)phthalate	117-81-7	5	< 9.4 U	0.41 J	< 9.4 U	0.30 J	< 9.4 U	< 2.9 U
Butylbenzylphthalate	85-68-7	50	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.9 U
Caprolactam	105-60-2	NC	< 9.4 U	< 2.8 UJ	< 9.4 U	< 2.8 U	< 9.4 U	< 2.9 UJ
Carbazole	86-74-8	NC	< 9.4 U	< 2.8 U	< 9.4 U	2.3 J	6.8 J	< 2.9 U
Chrysene	218-01-9	0.002	< 9.4 U	< 1.4 U	< 9.4 U	1.2 J	2.2 J	< 1.4 U
Dibenzo[a,h]Anthracene	53-70-3	NC	< 9.4 U	< 1.4 U	< 9.4 U	0.20 J	< 9.4 U	< 1.4 U
Dibenzofuran	132-64-9	NC	< 9.4 U	< 2.8 U	< 9.4 U	1.8 J	2.6 J	< 2.9 U
Diethylphthalate	84-66-2	50	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.9 U
Dimethylphthalate	131-11-3	50	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.9 U
Di-n-butylphthalate	84-74-2	50	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.9 U
Di-n-octylphthalate	117-84-0	50	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.9 U
Fluoranthene	206-44-0	50	< 9.4 U	< 1.4 U	< 9.4 U	2.7	5.8 J	< 1.4 U
Fluorene	86-73-7	50	< 9.4 U	< 1.4 U	< 9.4 U	2.8	3.8 J	< 1.4 U
Hexachlorobenzene	118-74-1	0.04	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.9 U
Hexachlorobutadiene	87-68-3	0.5	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.9 U
Hexachlorocyclopentadiene	77-47-4	5	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 UJ	< 2.9 U
Hexachloroethane	67-72-1	5	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.9 U
Indeno[1,2,3-cd]pyrene	193-39-5	0.002	< 9.4 U	< 1.4 U	< 9.4 U	0.66 J	1.5 J	< 1.4 U
Isophorone	78-59-1	50	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.9 U
m-Cresol & p-Cresol	MEPH1314	NC	NA	< 2.8 U	NA	< 2.8 U	NA	< 2.9 U
Naphthalene	91-20-3	10	4.8 J	< 1.4 U	< 9.4 U	< 1.4 U	5.3 J	< 1.4 U
Nitrobenzene	98-95-3	0.4	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.9 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.9 U
N-Nitrosodiphenylamine	86-30-6	50	< 9.4 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U	< 2.9 U
Pentachlorophenol	87-86-5	NC	< 47 U	< 5.6 U	< 47 U	< 5.6 U	< 47 U	< 5.7 U
Phenanthrene	85-01-8	50	< 9.4 U	< 1.4 U	< 9.4 U	4.6	9.6	< 1.4 U
Phenol	108-95-2	NC	< 9.4 UJ	< 7.4 U	< 9.4 U	< 7.4 U	< 9.4 U	< 7.7 U
Pyrene	129-00-0	50	< 9.4 U	0.15 J	< 9.4 U	2.5	5.3 J	< 1.4 U
Pyridine	110-86-1	50	< 47 UJ	< 2.8 U	< 47 UJ	< 2.8 U	< 47 U	< 2.9 U
Total SVOCs TICs	NA	NC	NT	5.7	NT	NT	NT	14.2

Notes:
All units in micrograms per liter (µg/L)
NT - No TICs identified
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.
Exceeds NYS GW Class GA

Table 10B - Groundwater Results - SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	OVR-120	OVR-121	OVR-121	OVR-122	OVR-122	OVR-123
		Sample ID	OVR-120-120816	OVR-121-081616	OVR-121-120616	OVR-122-081816	OVR-122-120716	OVR-123-081816
		Sample Date	12/8/2016	8/16/2016	12/6/2016	8/18/2016	12/7/2016	8/18/2016
		Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		Lab SDG	R1612845	2168907	R1612714	2168907	R1612845	2168907
Chemical Name	**CAS #**	**NYS GW CLASS GA[1]**						
SVOCs								
1,1'-Biphenyl	92-52-4	5	< 9.4 U	< 2.8 U	< 9.4 U	< 6.0 U	< 9.4 U	< 5.6 U
1,2,4,5-Tetrachlorobenzene	95-94-3	5	< 9.4 U	< 2.8 U	< 9.4 U	< 6.0 U	< 9.4 U	< 5.6 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	< 9.4 U	< 2.8 U	< 9.4 U	< 6.0 U	< 9.4 U	< 5.6 U
2,4,5-Trichlorophenol	95-95-4	1	< 9.4 U	< 2.8 U	< 9.4 U	< 6.0 U	< 9.4 U	< 5.6 U
2,4,6-Trichlorophenol	88-06-2	NC	< 9.4 U	< 2.8 U	< 9.4 U	< 6.0 U	< 9.4 U	< 5.6 U
2,4-Dichlorophenol	120-83-2	5	< 9.4 U	< 2.8 U	< 9.4 U	< 6.0 U	< 9.4 U	< 5.6 U
2,4-Dimethylphenol	105-67-9	50	< 9.4 U	< 2.8 U	< 9.4 U	< 6.0 U	< 9.4 U	< 5.6 U
2,4-Dinitrophenol	51-28-5	10	< 47 U	< 5.6 U	< 47 U	< 12.0 U	< 47 U	< 11.2 U
2,4-Dinitrotoluene	121-14-2	5	< 9.4 U	< 2.8 U	< 9.4 UJ	< 6.0 U	< 9.4 U	< 5.6 U
2,6-Dinitrotoluene	606-20-2	5	< 9.4 U	< 2.8 U	< 9.4 U	< 6.0 U	< 9.4 U	< 5.6 U
2-Chloronaphthalene	91-58-7	10	< 9.4 U	< 2.8 U	< 9.4 U	< 6.0 U	< 9.4 U	< 5.6 U
2-Chlorophenol	95-57-8	1	< 9.4 U	< 2.8 U	< 9.4 U	< 6.0 U	< 9.4 U	< 5.6 U
2-Methylnaphthalene	91-57-6	NC	< 9.4 U	< 1.4 U	< 9.4 U	< 3.0 U	< 9.4 U	< 2.8 U
2-Methylphenol	95-48-7	1	< 9.4 U	< 2.8 U	< 9.4 U	< 6.0 U	< 9.4 U	< 5.6 U
2-Nitroaniline	88-74-4	5	< 47 U	< 2.8 U	< 47 U	< 6.0 U	< 47 U	< 5.6 U
2-Nitrophenol	88-75-5	1	< 9.4 U	< 2.8 U	< 9.4 U	< 6.0 U	< 9.4 U	< 5.6 U
3- AND 4- Methylphenol (TOTAL)	106-44-5	NC	< 9.4 U	NA	< 9.4 U	NA	< 9.4 U	NA
3,3-Dichlorobenzidine	91-94-1	5	< 9.4 U	< 2.8 U	< 9.4 U	< 6.0 U	< 9.4 U	< 5.6 U
3-Nitroaniline	99-09-2	5	< 47 U	< 2.8 U	< 47 U	< 6.0 U	< 47 U	< 5.6 U
4,6-Dinitro-2-methylphenol	534-52-1	1	< 47 U	< 5.6 U	< 47 U	< 12.0 U	< 47 U	< 11.2 U
4-Bromophenyl-phenylether	101-55-3	NC	< 9.4 U	< 2.8 U	< 9.4 U	< 6.0 U	< 9.4 U	< 5.6 U
4-Chloro-3-methylphenol	59-50-7	1	< 9.4 U	< 2.8 U	< 9.4 U	< 6.0 U	< 9.4 U	< 5.6 U
4-Chloroaniline	106-47-8	5	< 9.4 U	< 2.8 U	< 9.4 U	< 6.0 U	< 9.4 U	< 5.6 U
4-Chlorophenyl-phenylether	7005-72-3	NC	< 9.4 U	< 2.8 U	< 9.4 U	< 6.0 U	< 9.4 U	< 5.6 U
4-Nitroaniline	100-01-6	5	< 47 U	< 2.8 U	< 47 U	< 6.0 U	< 47 U	< 5.6 U
4-Nitrophenol	100-02-7	1	< 47 U	< 2.8 U	< 47 U	< 6.0 U	< 47 U	< 5.6 U
Acenaphthene	83-32-9	NC	< 9.4 U	< 1.4 U	< 9.4 U	0.34 J	< 9.4 U	< 2.8 U
Acenaphthylene	208-96-8	NC	< 9.4 U	< 1.4 U	< 9.4 U	< 3.0 U	< 9.4 U	< 2.8 U
Acetophenone	98-86-2	NC	< 9.4 U	< 2.8 U	< 9.4 U	< 6.0 U	< 9.4 U	< 5.6 U
Anthracene	120-12-7	50	< 9.4 U	< 1.4 U	< 9.4 U	< 3.0 U	< 9.4 U	< 2.8 U
Atrazine	1912-24-9	7.5	< 9.4 U	< 2.8 U	< 9.4 U	< 6.0 U	< 9.4 U	< 5.6 U
Benzaldehyde	100-52-7	NC	< 47 U	< 2.8 U	< 47 U	< 6.0 U	< 47 U	< 5.6 U
Benzidine	92-87-5	5	< 94 U	< 7.5 U	< 94 U	< 16.0 U	< 94 U	< 15.0 U
Benzo[a]anthracene	56-55-3	0.002	< 9.4 U	< 1.4 U	< 9.4 U	< 3.0 U	< 9.4 U	< 2.8 U
Benzo[a]pyrene	50-32-8	0	< 9.4 U	< 1.4 U	< 9.4 U	< 3.0 U	< 9.4 U	< 2.8 U
Benzo[b]fluoranthene	205-99-2	0.002	< 9.4 U	< 1.4 U	< 9.4 U	< 3.0 U	< 9.4 U	< 2.8 U
Benzo[g,h,i]perylene	191-24-2	NC	< 9.4 U	< 1.4 U	< 9.4 U	< 3.0 U	< 9.4 U	< 2.8 U
Benzo[k]fluoranthene	207-08-9	0.002	< 9.4 U	< 1.4 U	< 9.4 U	< 3.0 U	< 9.4 U	< 2.8 U
Bis(2-Chloroethoxy)methane	111-91-1	5	< 9.4 U	< 2.8 U	< 9.4 U	< 6.0 U	< 9.4 U	< 5.6 U
Bis(2-Chloroethyl)Ether	111-44-4	1	< 9.4 U	< 2.8 U	< 9.4 U	< 6.0 U	< 9.4 U	< 5.6 U
Bis(2-Chloroisopropyl)ether	108-60-1	5	< 9.4 U	< 2.8 U	< 9.4 U	< 6.0 U	< 9.4 U	< 5.6 U
Bis(2-Ethylhexyl)phthalate	117-81-7	5	< 9.4 U	< 2.8 U	< 9.4 U	< 6.0 U	< 9.4 U	< 5.6 U
Butylbenzylphthalate	85-68-7	50	< 9.4 U	< 2.8 U	< 9.4 U	< 6.0 U	< 9.4 U	< 5.6 U
Caprolactam	105-60-2	NC	< 9.4 U	< 2.8 UJ	< 9.4 U	< 6.0 UJ	< 9.4 U	< 5.6 UJ
Carbazole	86-74-8	NC	< 9.4 U	< 2.8 U	< 9.4 U	< 6.0 U	< 9.4 U	< 5.6 U
Chrysene	218-01-9	0.002	< 9.4 U	< 1.4 U	< 9.4 U	< 3.0 U	< 9.4 U	< 2.8 U
Dibenzo[a,h]Anthracene	53-70-3	NC	< 9.4 U	< 1.4 U	< 9.4 U	< 3.0 U	< 9.4 U	< 2.8 U
Dibenzofuran	132-64-9	NC	< 9.4 U	< 2.8 U	< 9.4 U	< 6.0 U	< 9.4 U	< 5.6 U
Diethylphthalate	84-66-2	50	< 9.4 U	< 2.8 U	< 9.4 U	< 6.0 U	< 9.4 U	< 5.6 U
Dimethylphthalate	131-11-3	50	< 9.4 U	< 2.8 U	< 9.4 U	< 6.0 U	< 9.4 U	< 5.6 U
Di-n-butylphthalate	84-74-2	50	< 9.4 U	< 2.8 U	< 9.4 U	< 6.0 U	< 9.4 U	0.42 J
Di-n-octylphthalate	117-84-0	50	< 9.4 U	< 2.8 U	< 9.4 U	< 6.0 U	< 9.4 U	< 5.6 U
Fluoranthene	206-44-0	50	< 9.4 U	< 1.4 U	< 9.4 U	< 3.0 U	< 9.4 U	< 2.8 U
Fluorene	86-73-7	50	< 9.4 U	< 1.4 U	< 9.4 U	< 3.0 U	< 9.4 U	< 2.8 U
Hexachlorobenzene	118-74-1	0.04	< 9.4 U	< 2.8 U	< 9.4 U	< 6.0 U	< 9.4 U	< 5.6 U
Hexachlorobutadiene	87-68-3	0.5	< 9.4 U	< 2.8 U	< 9.4 U	< 6.0 U	< 9.4 U	< 5.6 U
Hexachlorocyclopentadiene	77-47-4	5	< 9.4 UJ	< 2.8 U	< 9.4 UJ	< 6.0 U	< 9.4 U	< 5.6 U
Hexachloroethane	67-72-1	5	< 9.4 U	< 2.8 U	< 9.4 U	< 6.0 U	< 9.4 U	< 5.6 U
Indeno[1,2,3-cd]pyrene	193-39-5	0.002	< 9.4 U	< 1.4 U	< 9.4 U	< 3.0 U	< 9.4 U	< 2.8 U
Isophorone	78-59-1	50	< 9.4 U	< 2.8 U	< 9.4 U	< 6.0 U	< 9.4 U	< 5.6 U
m-Cresol & p-Cresol	MEPH1314	NC	NA	< 2.8 U	NA	< 6.0 U	NA	< 5.6 U
Naphthalene	91-20-3	10	< 9.4 U	< 1.4 U	< 9.4 U	< 3.0 U	< 9.4 U	< 2.8 U
Nitrobenzene	98-95-3	0.4	< 9.4 U	< 2.8 U	< 9.4 U	< 6.0 U	< 9.4 U	< 5.6 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	< 9.4 U	< 2.8 U	< 9.4 U	< 6.0 U	< 9.4 U	< 5.6 U
N-Nitrosodiphenylamine	86-30-6	50	< 9.4 U	< 2.8 U	< 9.4 U	< 6.0 U	< 9.4 U	< 5.6 U
Pentachlorophenol	87-86-5	NC	< 47 U	< 5.6 U	< 47 U	< 12.0 U	< 47 U	< 11.2 U
Phenanthrene	85-01-8	50	< 9.4 U	< 1.4 U	< 9.4 U	0.32 J	< 9.4 U	< 2.8 U
Phenol	108-95-2	NC	< 9.4 U	< 7.5 U	< 9.4 U	< 16.0 U	< 9.4 U	< 15.0 U
Pyrene	129-00-0	50	< 9.4 U	< 1.4 U	< 9.4 U	< 3.0 U	< 9.4 U	< 2.8 U
Pyridine	110-86-1	50	< 47 U	< 2.8 U	< 47 U	< 6.0 U	< 47 UJ	< 5.6 U
Total SVOCs TICs	NA	NC	NT	NT	NT	NT	NT	175.7

Notes:
All units in micrograms per liter (µg/L)
NT - No TICs identified
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.
Exceeds NYS GW Class GA

Table 10B - Groundwater Results - SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	OVR-123	OVR-124	OVR-124	OVR-124	OVR-125	OVR-125
		Sample ID	OVR-123-120716	OVR-124-081716	DUP-015-120716	OVR-124-120716	OVR-125-081716	OVR-125-120616
		Sample Date	12/7/2016	8/17/2016	12/7/2016	12/7/2016	8/17/2016	12/6/2016
		Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		Lab SDG	R1612845	2168907	R1612845	R1612845	2168907	R1612714
Chemical Name	CAS #	NYS GW CLASS GA[1]						
SVOCs								
1,1'-Biphenyl	92-52-4	5	< 9.4 U	< 2.9 UJ	< 9.4 U	< 9.4 U	< 2.9 U	< 9.4 U
1,2,4,5-Tetrachlorobenzene	95-94-3	5	< 9.4 U	< 2.9 UJ	< 9.4 U	< 9.4 U	< 2.9 U	< 9.4 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	< 9.4 U	< 2.9 UJ	< 9.4 U	< 9.4 U	< 2.9 U	< 9.4 U
2,4,5-Trichlorophenol	95-95-4	1	< 9.4 U	< 2.9 UJ	< 9.4 U	< 9.4 U	< 2.9 U	< 9.4 U
2,4,6-Trichlorophenol	88-06-2	NC	< 9.4 U	< 2.9 UJ	< 9.4 U	< 9.4 U	< 2.9 U	< 9.4 U
2,4-Dichlorophenol	120-83-2	5	< 9.4 U	< 2.9 UJ	< 9.4 U	< 9.4 U	< 2.9 U	< 9.4 U
2,4-Dimethylphenol	105-67-9	50	< 9.4 U	< 2.9 UJ	< 9.4 U	< 9.4 U	< 2.9 U	< 9.4 U
2,4-Dinitrophenol	51-28-5	10	< 47 U	< 5.9 UJ	< 47 U	< 47 U	< 5.7 U	< 47 U
2,4-Dinitrotoluene	121-14-2	5	< 9.4 U	< 2.9 UJ	< 9.4 U	< 9.4 U	< 2.9 U	< 9.4 UJ
2,6-Dinitrotoluene	606-20-2	5	< 9.4 U	< 2.9 UJ	< 9.4 U	< 9.4 U	< 2.9 U	< 9.4 U
2-Chloronaphthalene	91-58-7	10	< 9.4 U	< 2.9 UJ	< 9.4 U	< 9.4 U	< 2.9 U	< 9.4 U
2-Chlorophenol	95-57-8	1	< 9.4 U	< 2.9 UJ	< 9.4 U	< 9.4 U	< 2.9 U	< 9.4 U
2-Methylnaphthalene	91-57-6	NC	< 9.4 U	< 1.5 UJ	< 9.4 U	< 9.4 U	< 1.4 U	< 9.4 U
2-Methylphenol	95-48-7	1	< 9.4 U	< 2.9 UJ	< 9.4 U	< 9.4 U	< 2.9 U	< 9.4 U
2-Nitroaniline	88-74-4	5	< 47 U	< 2.9 UJ	< 47 U	< 47 U	< 2.9 U	< 47 U
2-Nitrophenol	88-75-5	1	< 9.4 U	< 2.9 UJ	< 9.4 U	< 9.4 U	< 2.9 U	< 9.4 U
3- AND 4- Methylphenol (TOTAL)	106-44-5	NC	< 9.4 U	NA	< 9.4 U	< 9.4 U	NA	< 9.4 U
3,3-Dichlorobenzidine	91-94-1	5	< 9.4 U	< 2.9 UJ	< 9.4 U	< 9.4 U	< 2.9 U	< 9.4 U
3-Nitroaniline	99-09-2	5	< 47 U	< 2.9 UJ	< 47 U	< 47 U	< 2.9 U	< 47 U
4,6-Dinitro-2-methylphenol	534-52-1	1	< 47 U	< 5.9 UJ	< 47 U	< 47 U	< 5.7 U	< 47 U
4-Bromophenyl-phenylether	101-55-3	NC	< 9.4 U	< 2.9 UJ	< 9.4 U	< 9.4 U	< 2.9 U	< 9.4 U
4-Chloro-3-methylphenol	59-50-7	1	< 9.4 U	< 2.9 UJ	< 9.4 U	< 9.4 U	< 2.9 U	< 9.4 U
4-Chloroaniline	106-47-8	5	< 9.4 U	< 2.9 UJ	< 9.4 U	< 9.4 U	< 2.9 U	< 9.4 U
4-Chlorophenyl-phenylether	7005-72-3	NC	< 9.4 U	< 2.9 UJ	< 9.4 U	< 9.4 U	< 2.9 U	< 9.4 U
4-Nitroaniline	100-01-6	5	< 47 U	< 2.9 UJ	< 47 U	< 47 U	< 2.9 U	< 47 U
4-Nitrophenol	100-02-7	1	< 47 U	< 2.9 UJ	< 47 U	< 47 U	< 2.9 U	< 47 U
Acenaphthene	83-32-9	NC	< 9.4 U	< 1.5 UJ	< 9.4 U	< 9.4 U	< 1.4 U	< 9.4 U
Acenaphthylene	208-96-8	NC	< 9.4 U	< 1.5 UJ	< 9.4 U	< 9.4 U	< 1.4 U	< 9.4 U
Acetophenone	98-86-2	NC	< 9.4 U	< 2.9 UJ	< 9.4 U	< 9.4 U	< 2.9 U	< 9.4 U
Anthracene	120-12-7	50	< 9.4 U	< 1.5 UJ	< 9.4 U	< 9.4 U	< 1.4 U	< 9.4 U
Atrazine	1912-24-9	7.5	< 9.4 U	< 2.9 UJ	< 9.4 U	< 9.4 U	< 2.9 U	< 9.4 U
Benzaldehyde	100-52-7	NC	< 47 U	< 2.9 UJ	< 47 U	< 47 U	< 2.9 U	< 47 U
Benzidine	92-87-5	5	< 94 U	< 7.8 UJ	< 94 U	< 94 U	< 7.6 U	< 94 U
Benzo[a]anthracene	56-55-3	0.002	< 9.4 U	< 1.5 UJ	< 9.4 U	< 9.4 U	< 1.4 U	< 9.4 U
Benzo[a]pyrene	50-32-8	0	< 9.4 U	< 1.5 UJ	< 9.4 U	< 9.4 U	< 1.4 U	< 9.4 U
Benzo[b]fluoranthene	205-99-2	0.002	< 9.4 U	< 1.5 UJ	< 9.4 U	< 9.4 U	< 1.4 U	< 9.4 U
Benzo[g,h,i]perylene	191-24-2	NC	< 9.4 U	< 1.5 UJ	< 9.4 U	< 9.4 U	< 1.4 U	< 9.4 U
Benzo[k]fluoranthene	207-08-9	0.002	< 9.4 U	< 1.5 UJ	< 9.4 U	< 9.4 U	< 1.4 U	< 9.4 U
Bis(2-Chloroethoxy)methane	111-91-1	5	< 9.4 U	< 2.9 UJ	< 9.4 U	< 9.4 U	< 2.9 U	< 9.4 U
Bis(2-Chloroethyl)Ether	111-44-4	1	< 9.4 U	< 2.9 UJ	< 9.4 U	< 9.4 U	< 2.9 U	< 9.4 U
Bis(2-Chloroisopropyl)ether	108-60-1	5	< 9.4 U	< 2.9 UJ	< 9.4 U	< 9.4 U	< 2.9 U	< 9.4 U
Bis(2-Ethylhexyl)phthalate	117-81-7	5	< 9.4 U	< 2.9 UJ	< 9.4 U	< 9.4 U	< 2.9 U	< 9.4 U
Butylbenzylphthalate	85-68-7	50	< 9.4 U	< 2.9 UJ	< 9.4 U	< 9.4 U	< 2.9 U	< 9.4 U
Caprolactam	105-60-2	NC	< 9.4 U	< 2.9 UJ	< 9.4 U	< 9.4 U	< 2.9 UJ	< 9.4 U
Carbazole	86-74-8	NC	< 9.4 U	< 2.9 UJ	< 9.4 U	< 9.4 U	< 2.9 U	< 9.4 U
Chrysene	218-01-9	0.002	< 9.4 U	< 1.5 UJ	< 9.4 U	< 9.4 U	< 1.4 U	< 9.4 U
Dibenzo[a,h]Anthracene	53-70-3	NC	< 9.4 U	< 1.5 UJ	< 9.4 U	< 9.4 U	< 1.4 U	< 9.4 U
Dibenzofuran	132-64-9	NC	< 9.4 U	< 2.9 UJ	< 9.4 U	< 9.4 U	< 2.9 U	< 9.4 U
Diethylphthalate	84-66-2	50	< 9.4 U	< 2.9 UJ	< 9.4 U	< 9.4 U	< 2.9 U	< 9.4 U
Dimethylphthalate	131-11-3	50	< 9.4 U	< 2.9 UJ	< 9.4 U	< 9.4 U	< 2.9 U	< 9.4 U
Di-n-butylphthalate	84-74-2	50	< 9.4 U	< 2.9 UJ	< 9.4 U	< 9.4 U	< 2.9 U	< 9.4 U
Di-n-octylphthalate	117-84-0	50	< 9.4 U	< 2.9 UJ	< 9.4 U	< 9.4 U	< 2.9 U	< 9.4 U
Fluoranthene	206-44-0	50	< 9.4 U	< 1.5 UJ	< 9.4 U	< 9.4 U	< 1.4 U	< 9.4 U
Fluorene	86-73-7	50	< 9.4 U	< 1.5 UJ	< 9.4 U	< 9.4 U	< 1.4 U	< 9.4 U
Hexachlorobenzene	118-74-1	0.04	< 9.4 U	< 2.9 UJ	< 9.4 U	< 9.4 U	< 2.9 U	< 9.4 U
Hexachlorobutadiene	87-68-3	0.5	< 9.4 U	< 2.9 UJ	< 9.4 U	< 9.4 U	< 2.9 U	< 9.4 U
Hexachlorocyclopentadiene	77-47-4	5	< 9.4 U	< 2.9 UJ	< 9.4 U	< 9.4 U	< 2.9 U	< 9.4 UJ
Hexachloroethane	67-72-1	5	< 9.4 U	< 2.9 UJ	< 9.4 U	< 9.4 U	< 2.9 U	< 9.4 U
Indeno[1,2,3-cd]pyrene	193-39-5	0.002	< 9.4 U	< 1.5 UJ	< 9.4 U	< 9.4 U	< 1.4 U	< 9.4 U
Isophorone	78-59-1	50	< 9.4 U	< 2.9 UJ	< 9.4 U	< 9.4 U	< 2.9 U	< 9.4 U
m-Cresol & p-Cresol	MEPH1314	NC	NA	< 2.9 UJ	NA	NA	< 2.9 U	NA
Naphthalene	91-20-3	10	< 9.4 U	< 1.5 UJ	< 9.4 U	< 9.4 U	< 1.4 U	< 9.4 U
Nitrobenzene	98-95-3	0.4	< 9.4 U	< 2.9 UJ	< 9.4 U	< 9.4 U	< 2.9 U	< 9.4 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	< 9.4 U	< 2.9 UJ	< 9.4 U	< 9.4 U	< 2.9 U	< 9.4 U
N-Nitrosodiphenylamine	86-30-6	50	< 9.4 U	< 2.9 UJ	< 9.4 U	< 9.4 U	< 2.9 U	< 9.4 U
Pentachlorophenol	87-86-5	NC	< 47 U	< 5.9 UJ	< 47 U	< 47 U	< 5.7 U	< 47 U
Phenanthrene	85-01-8	50	< 9.4 U	< 1.5 UJ	< 9.4 U	< 9.4 U	< 1.4 U	< 9.4 U
Phenol	108-95-2	NC	< 9.4 U	< 7.8 UJ	< 9.4 U	< 9.4 U	< 7.6 U	< 9.4 U
Pyrene	129-00-0	50	< 9.4 U	< 1.5 UJ	< 9.4 U	< 9.4 U	< 1.4 U	< 9.4 U
Pyridine	110-86-1	50	< 47 UJ	< 2.9 UJ	< 47 UJ	< 47 UJ	< 2.9 U	< 47 U
Total SVOCs TICs	NA	NC	N/A	NT	NT	NT	NT	NT

Notes:
All units in micrograms per liter (µg/L)
NT - No TICs identified
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.

Exceeds NYS GW Class GA

Table 10B - Groundwater Results - SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	OVR-126	OVR-126	OVR-127	OVR-127	OVR-128	OVR-128
		Sample ID	OVR-126-081716	OVR-126-120616	OVR-127-081716	OVR-127-120616	OVR-128-081716	OVR-128-120716
		Sample Date	8/17/2016	12/6/2016	8/17/2016	12/6/2016	8/17/2016	12/7/2016
		Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		Lab SDG	2168907	R1612714	2168907	R1612714	2168907	R1612845
Chemical Name	CAS #	NYS GW CLASS GA[1]						
SVOCs								
1,1'-Biphenyl	92-52-4	5	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 2.9 U	< 9.4 U
1,2,4,5-Tetrachlorobenzene	95-94-3	5	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 2.9 U	< 9.4 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 2.9 U	< 9.4 U
2,4,5-Trichlorophenol	95-95-4	1	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 2.9 U	< 9.4 U
2,4,6-Trichlorophenol	88-06-2	NC	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 2.9 U	< 9.4 U
2,4-Dichlorophenol	120-83-2	5	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 2.9 U	< 9.4 U
2,4-Dimethylphenol	105-67-9	50	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 2.9 U	< 9.4 U
2,4-Dinitrophenol	51-28-5	10	< 5.6 U	< 47 U	< 5.8 U	< 47 U	< 5.7 U	< 47 U
2,4-Dinitrotoluene	121-14-2	5	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 UJ	< 2.9 U	< 9.4 U
2,6-Dinitrotoluene	606-20-2	5	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 2.9 U	< 9.4 U
2-Chloronaphthalene	91-58-7	10	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 2.9 U	< 9.4 U
2-Chlorophenol	95-57-8	1	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 2.9 U	< 9.4 U
2-Methylnaphthalene	91-57-6	NC	< 1.4 U	< 9.4 U	< 1.5 U	< 9.4 U	< 1.4 U	< 9.4 U
2-Methylphenol	95-48-7	1	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 2.9 U	< 9.4 U
2-Nitroaniline	88-74-4	5	< 2.8 U	< 47 U	< 2.9 U	< 47 U	< 2.9 U	< 47 U
2-Nitrophenol	88-75-5	1	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 2.9 U	< 9.4 U
3- AND 4- Methylphenol (TOTAL)	106-44-5	NC	NA	< 9.4 U	NA	< 9.4 U	NA	< 9.4 U
3,3-Dichlorobenzidine	91-94-1	5	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 2.9 U	< 9.4 U
3-Nitroaniline	99-09-2	5	< 2.8 U	< 47 U	< 2.9 U	< 47 U	< 2.9 U	< 47 U
4,6-Dinitro-2-methylphenol	534-52-1	1	< 5.6 U	< 47 U	< 5.8 U	< 47 U	< 5.7 U	< 47 U
4-Bromophenyl-phenylether	101-55-3	NC	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 2.9 U	< 9.4 U
4-Chloro-3-methylphenol	59-50-7	1	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 2.9 U	< 9.4 U
4-Chloroaniline	106-47-8	5	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 2.9 U	< 9.4 U
4-Chlorophenyl-phenylether	7005-72-3	NC	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 2.9 U	< 9.4 U
4-Nitroaniline	100-01-6	5	< 2.8 U	< 47 U	< 2.9 U	< 47 U	< 2.9 U	< 47 U
4-Nitrophenol	100-02-7	1	< 2.8 U	< 47 U	< 2.9 U	< 47 U	< 2.9 U	< 47 U
Acenaphthene	83-32-9	NC	< 1.4 U	< 9.4 U	< 1.5 U	< 9.4 U	< 1.4 U	< 9.4 U
Acenaphthylene	208-96-8	NC	< 1.4 U	< 9.4 U	< 1.5 U	< 9.4 U	< 1.4 U	< 9.4 U
Acetophenone	98-86-2	NC	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 2.9 U	< 9.4 U
Anthracene	120-12-7	50	< 1.4 U	< 9.4 U	< 1.5 U	< 9.4 U	< 1.4 U	< 9.4 U
Atrazine	1912-24-9	7.5	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 2.9 U	< 9.4 U
Benzaldehyde	100-52-7	NC	< 2.8 U	< 47 U	< 2.9 U	< 47 U	< 2.9 U	< 47 U
Benzidine	92-87-5	5	< 7.4 U	< 94 U	< 7.8 U	< 94 U	< 7.7 U	< 94 U
Benzo[a]anthracene	56-55-3	0.002	< 1.4 U	< 9.4 U	< 1.5 U	< 9.4 U	< 1.4 U	< 9.4 U
Benzo[a]pyrene	50-32-8	0	< 1.4 U	< 9.4 U	< 1.5 U	< 9.4 U	< 1.4 U	< 9.4 U
Benzo[b]fluoranthene	205-99-2	0.002	< 1.4 U	< 9.4 U	< 1.5 U	< 9.4 U	< 1.4 U	< 9.4 U
Benzo[g,h,i]perylene	191-24-2	NC	< 1.4 U	< 9.4 U	< 1.5 U	< 9.4 U	< 1.4 U	< 9.4 U
Benzo[k]fluoranthene	207-08-9	0.002	< 1.4 U	< 9.4 U	< 1.5 U	< 9.4 U	< 1.4 U	< 9.4 U
Bis(2-Chloroethoxy)methane	111-91-1	5	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 2.9 U	< 9.4 U
Bis(2-Chloroethyl)Ether	111-44-4	1	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 2.9 U	< 9.4 U
Bis(2-Chloroisopropyl)ether	108-60-1	5	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 2.9 U	< 9.4 U
Bis(2-Ethylhexyl)phthalate	117-81-7	5	1.0 J	< 9.4 U	< 2.9 U	< 9.4 U	< 2.9 U	< 9.4 U
Butylbenzylphthalate	85-68-7	50	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 2.9 U	< 9.4 U
Caprolactam	105-60-2	NC	< 2.8 UJ	< 9.4 U	< 2.9 UJ	< 9.4 U	< 2.9 UJ	< 9.4 U
Carbazole	86-74-8	NC	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 2.9 U	< 9.4 U
Chrysene	218-01-9	0.002	< 1.4 U	< 9.4 U	< 1.5 U	< 9.4 U	< 1.4 U	< 9.4 U
Dibenzo[a,h]Anthracene	53-70-3	NC	< 1.4 U	< 9.4 U	< 1.5 U	< 9.4 U	< 1.4 U	< 9.4 U
Dibenzofuran	132-64-9	NC	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 2.9 U	< 9.4 U
Diethylphthalate	84-66-2	50	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 2.9 U	< 9.4 U
Dimethylphthalate	131-11-3	50	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 2.9 U	< 9.4 U
Di-n-butylphthalate	84-74-2	50	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 2.9 U	< 9.4 U
Di-n-octylphthalate	117-84-0	50	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 2.9 U	< 9.4 U
Fluoranthene	206-44-0	50	< 1.4 U	< 9.4 U	< 1.5 U	< 9.4 U	< 1.4 U	< 9.4 U
Fluorene	86-73-7	50	< 1.4 U	< 9.4 U	< 1.5 U	< 9.4 U	< 1.4 U	< 9.4 U
Hexachlorobenzene	118-74-1	0.04	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 2.9 U	< 9.4 U
Hexachlorobutadiene	87-68-3	0.5	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 2.9 U	< 9.4 U
Hexachlorocyclopentadiene	77-47-4	5	< 2.8 U	< 9.4 UJ	< 2.9 U	< 9.4 UJ	< 2.9 U	< 9.4 U
Hexachloroethane	67-72-1	5	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 2.9 U	< 9.4 U
Indeno[1,2,3-cd]pyrene	193-39-5	0.002	< 1.4 U	< 9.4 U	< 1.5 U	< 9.4 U	< 1.4 U	< 9.4 U
Isophorone	78-59-1	50	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 2.9 U	< 9.4 U
m-Cresol & p-Cresol	MEPH1314	NC	< 2.8 U	NA	< 2.9 U	NA	< 2.9 U	NA
Naphthalene	91-20-3	10	< 1.4 U	< 9.4 U	< 1.5 U	< 9.4 U	< 1.4 U	< 9.4 U
Nitrobenzene	98-95-3	0.4	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 2.9 U	< 9.4 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 2.9 U	< 9.4 U
N-Nitrosodiphenylamine	86-30-6	50	< 2.8 U	< 9.4 U	< 2.9 U	< 9.4 U	< 2.9 U	< 9.4 U
Pentachlorophenol	87-86-5	NC	< 5.6 U	< 47 U	< 5.8 U	< 47 U	< 5.7 U	< 47 U
Phenanthrene	85-01-8	50	0.14 J	< 9.4 U	< 1.5 U	< 9.4 U	< 1.4 U	< 9.4 U
Phenol	108-95-2	NC	< 7.4 U	< 9.4 U	< 7.8 U	< 9.4 U	< 7.7 U	< 9.4 U
Pyrene	129-00-0	50	< 1.4 U	< 9.4 U	< 1.5 U	< 9.4 U	< 1.4 U	< 9.4 U
Pyridine	110-86-1	50	< 2.8 U	< 47 U	< 2.9 U	< 47 U	< 2.9 U	< 47 UJ
Total SVOCs TICs	NA	NC	4.7	NT	NT	NT	NT	NT

Notes:
All units in micrograms per liter (µg/L)
NT - No TICs identified
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.

Exceeds NYS GW Class GA

Table 10B - Groundwater Results - SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	OVR-129	OVR-129	OVR-130	OVR-130	OVR-130
		Sample ID	OVR-129-081716	OVR-129-120716	OVR-130-082316	DUP-016-121316	OVR-130-121316
		Sample Date	8/17/2016	12/7/2016	8/23/2016	12/13/2016	12/13/2016
		Unit	µg/L	µg/L	µg/L	µg/L	µg/L
		Lab SDG	2168907	R1612845	2170212	R1613018	R1613018
Chemical Name	CAS #	NYS GW CLASS GA[1]					
SVOCs							
1,1'-Biphenyl	92-52-4	5	< 2.9 UJ	< 9.4 U	< 2.9 U	< 9.4 U	< 9.4 U
1,2,4,5-Tetrachlorobenzene	95-94-3	5	< 2.9 UJ	< 9.4 U	< 2.9 U	< 9.4 U	< 9.4 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	< 2.9 UJ	< 9.4 U	< 2.9 U	< 9.4 U	< 9.4 U
2,4,5-Trichlorophenol	95-95-4	1	< 2.9 UJ	< 9.4 U	< 2.9 U	< 9.4 U	< 9.4 U
2,4,6-Trichlorophenol	88-06-2	NC	< 2.9 UJ	< 9.4 U	< 2.9 U	< 9.4 U	< 9.4 U
2,4-Dichlorophenol	120-83-2	5	< 2.9 UJ	< 9.4 U	< 2.9 U	< 9.4 U	< 9.4 U
2,4-Dimethylphenol	105-67-9	50	< 2.9 UJ	< 9.4 U	< 2.9 U	< 9.4 U	< 9.4 U
2,4-Dinitrophenol	51-28-5	10	< 5.7 UJ	< 47 U	< 5.9 U	< 47 U	< 47 U
2,4-Dinitrotoluene	121-14-2	5	< 2.9 UJ	< 9.4 U	< 2.9 U	< 9.4 U	< 9.4 U
2,6-Dinitrotoluene	606-20-2	5	< 2.9 UJ	< 9.4 U	< 2.9 U	< 9.4 U	< 9.4 U
2-Chloronaphthalene	91-58-7	10	< 2.9 UJ	< 9.4 U	< 2.9 U	< 9.4 U	< 9.4 U
2-Chlorophenol	95-57-8	1	< 2.9 UJ	< 9.4 U	< 2.9 U	< 9.4 U	< 9.4 U
2-Methylnaphthalene	91-57-6	NC	< 1.4 UJ	< 9.4 U	< 1.5 U	< 9.4 U	< 9.4 U
2-Methylphenol	95-48-7	1	< 2.9 UJ	< 9.4 U	< 2.9 U	< 9.4 U	< 9.4 U
2-Nitroaniline	88-74-4	5	< 2.9 UJ	< 47 U	< 2.9 U	< 47 U	< 47 U
2-Nitrophenol	88-75-5	1	< 2.9 UJ	< 9.4 U	< 2.9 U	< 9.4 U	< 9.4 U
3- AND 4- Methylphenol (TOTAL)	106-44-5	NC	NA	< 9.4 U	NA	< 9.4 U	< 9.4 UJ
3,3-Dichlorobenzidine	91-94-1	5	< 2.9 UJ	< 9.4 U	< 2.9 U	< 9.4 U	< 9.4 U
3-Nitroaniline	99-09-2	5	< 2.9 UJ	< 47 U	< 2.9 U	< 47 U	< 47 U
4,6-Dinitro-2-methylphenol	534-52-1	1	< 5.7 UJ	< 47 U	< 5.9 U	< 47 U	< 47 U
4-Bromophenyl-phenylether	101-55-3	NC	< 2.9 UJ	< 9.4 U	< 2.9 U	< 9.4 U	< 9.4 U
4-Chloro-3-methylphenol	59-50-7	1	< 2.9 UJ	< 9.4 U	< 2.9 U	< 9.4 U	< 9.4 U
4-Chloroaniline	106-47-8	5	< 2.9 UJ	< 9.4 U	< 2.9 U	< 9.4 U	< 9.4 U
4-Chlorophenyl-phenylether	7005-72-3	NC	< 2.9 UJ	< 9.4 U	< 2.9 U	< 9.4 U	< 9.4 U
4-Nitroaniline	100-01-6	5	< 2.9 UJ	< 47 U	< 2.9 U	< 47 U	< 47 U
4-Nitrophenol	100-02-7	1	< 2.9 UJ	< 47 U	< 2.9 U	< 47 U	< 47 UJ
Acenaphthene	83-32-9	NC	< 1.4 UJ	< 9.4 U	0.57 J	< 9.4 U	< 9.4 U
Acenaphthylene	208-96-8	NC	< 1.4 UJ	< 9.4 U	< 1.5 U	< 9.4 U	< 9.4 U
Acetophenone	98-86-2	NC	< 2.9 UJ	< 9.4 U	< 2.9 U	< 9.4 U	< 9.4 U
Anthracene	120-12-7	50	< 1.4 UJ	< 9.4 U	< 1.5 U	< 9.4 U	< 9.4 U
Atrazine	1912-24-9	7.5	< 2.9 UJ	< 9.4 U	< 2.9 U	< 9.4 U	< 9.4 U
Benzaldehyde	100-52-7	NC	< 2.9 UJ	< 47 U	< 2.9 U	< 47 U	< 47 UJ
Benzidine	92-87-5	5	< 7.7 UJ	< 94 U	< 7.8 U	< 94 U	< 94 U
Benzo[a]anthracene	56-55-3	0.002	< 1.4 UJ	< 9.4 U	< 1.5 U	< 9.4 U	< 9.4 U
Benzo[a]pyrene	50-32-8	0	< 1.4 UJ	< 9.4 U	< 1.5 U	< 9.4 U	< 9.4 U
Benzo[b]fluoranthene	205-99-2	0.002	< 1.4 UJ	< 9.4 U	< 1.5 U	< 9.4 U	< 9.4 U
Benzo[g,h,i]perylene	191-24-2	NC	< 1.4 UJ	< 9.4 U	< 1.5 U	< 9.4 U	< 9.4 U
Benzo[k]fluoranthene	207-08-9	0.002	< 1.4 UJ	< 9.4 U	< 1.5 U	< 9.4 U	< 9.4 U
Bis(2-Chloroethoxy)methane	111-91-1	5	< 2.9 UJ	< 9.4 U	< 2.9 U	< 9.4 U	< 9.4 U
Bis(2-Chloroethyl)Ether	111-44-4	1	< 2.9 UJ	< 9.4 U	< 2.9 U	< 9.4 U	< 9.4 U
Bis(2-Chloroisopropyl)ether	108-60-1	5	< 2.9 UJ	< 9.4 U	< 2.9 U	< 9.4 U	< 9.4 U
Bis(2-Ethylhexyl)phthalate	117-81-7	5	< 2.9 UJ	< 9.4 U	< 2.9 U	< 9.4 UJ	29 J
Butylbenzylphthalate	85-68-7	50	< 2.9 UJ	< 9.4 U	< 2.9 U	< 9.4 U	< 9.4 U
Caprolactam	105-60-2	NC	< 2.9 UJ	< 9.4 U	< 2.9 U	< 9.4 U	< 9.4 U
Carbazole	86-74-8	NC	< 2.9 UJ	< 9.4 U	< 2.9 U	< 9.4 U	< 9.4 U
Chrysene	218-01-9	0.002	< 1.4 UJ	< 9.4 U	< 1.5 U	< 9.4 U	< 9.4 U
Dibenzo[a,h]Anthracene	53-70-3	NC	< 1.4 UJ	< 9.4 U	< 1.5 U	< 9.4 U	< 9.4 U
Dibenzofuran	132-64-9	NC	< 2.9 UJ	< 9.4 U	< 2.9 U	< 9.4 U	< 9.4 U
Diethylphthalate	84-66-2	50	< 2.9 UJ	< 9.4 U	< 2.9 U	< 9.4 U	< 9.4 U
Dimethylphthalate	131-11-3	50	< 2.9 UJ	< 9.4 U	< 2.9 U	< 9.4 U	< 9.4 U
Di-n-butylphthalate	84-74-2	50	< 2.9 UJ	< 9.4 U	0.22 J	< 9.4 U	< 9.4 U
Di-n-octylphthalate	117-84-0	50	< 2.9 UJ	< 9.4 U	< 2.9 U	< 9.4 U	< 9.4 U
Fluoranthene	206-44-0	50	< 1.4 UJ	< 9.4 U	0.22 J	< 9.4 U	< 9.4 U
Fluorene	86-73-7	50	< 1.4 UJ	< 9.4 U	< 1.5 U	< 9.4 U	< 9.4 U
Hexachlorobenzene	118-74-1	0.04	< 2.9 UJ	< 9.4 U	< 2.9 U	< 9.4 U	< 9.4 U
Hexachlorobutadiene	87-68-3	0.5	< 2.9 UJ	< 9.4 U	< 2.9 U	< 9.4 U	< 9.4 U
Hexachlorocyclopentadiene	77-47-4	5	< 2.9 UJ	< 9.4 U	< 2.9 U	< 9.4 U	< 9.4 U
Hexachloroethane	67-72-1	5	< 2.9 UJ	< 9.4 U	< 2.9 U	< 9.4 U	< 9.4 U
Indeno[1,2,3-cd]pyrene	193-39-5	0.002	< 1.4 UJ	< 9.4 U	< 1.5 U	< 9.4 U	< 9.4 U
Isophorone	78-59-1	50	< 2.9 UJ	< 9.4 U	< 2.9 U	< 9.4 U	< 9.4 U
m-Cresol & p-Cresol	MEPH1314	NC	< 2.9 UJ	NA	< 2.9 U	NA	NA
Naphthalene	91-20-3	10	< 1.4 UJ	< 9.4 U	< 1.5 U	< 9.4 U	< 9.4 U
Nitrobenzene	98-95-3	0.4	< 2.9 UJ	< 9.4 U	< 2.9 U	< 9.4 U	< 9.4 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	< 2.9 UJ	< 9.4 U	< 2.9 U	< 9.4 U	< 9.4 U
N-Nitrosodiphenylamine	86-30-6	50	< 2.9 UJ	< 9.4 U	< 2.9 U	< 9.4 U	< 9.4 U
Pentachlorophenol	87-86-5	NC	< 5.7 UJ	< 47 U	< 5.9 U	< 47 U	< 47 U
Phenanthrene	85-01-8	50	< 1.4 UJ	< 9.4 U	0.15 J	< 9.4 U	< 9.4 U
Phenol	108-95-2	NC	< 7.7 UJ	< 9.4 U	< 7.8 U	< 9.4 U	< 9.4 UJ
Pyrene	129-00-0	50	< 1.4 UJ	< 9.4 U	< 1.5 U	< 9.4 U	< 9.4 U
Pyridine	110-86-1	50	< 2.9 UJ	< 47 UJ	< 2.9 U	< 47 U	< 47 UJ
Total SVOCs TICs	NA	NC	NT	NT	47	NT	NT

Notes:
All units in micrograms per liter (µg/L)
NT - No TICs identified
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.
Exceeds NYS GW Class GA

Table 10B - Groundwater Results - SVOCs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	OVR-131	OVR-131	OVR-131	OVR-132	OVR-132
		Sample ID	DUP-012-082316	OVR-131-082316	OVR-131-121316	OVR-132-082316	OVR-132-121216
		Sample Date	8/23/2016	8/23/2016	12/13/2016	8/23/2016	12/12/2016
		Unit	µg/L	µg/L	µg/L	µg/L	µg/L
		Lab SDG	2170212	2170212	R1613018	2170212	R1613018
Chemical Name	CAS #	NYS GW CLASS GA[1]					
SVOCs							
1,1'-Biphenyl	92-52-4	5	< 3.0 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U
1,2,4,5-Tetrachlorobenzene	95-94-3	5	< 3.0 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U
2,3,4,6-Tetrachlorophenol	58-90-2	NC	< 3.0 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U
2,4,5-Trichlorophenol	95-95-4	1	< 3.0 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U
2,4,6-Trichlorophenol	88-06-2	NC	< 3.0 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U
2,4-Dichlorophenol	120-83-2	5	< 3.0 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U
2,4-Dimethylphenol	105-67-9	50	< 3.0 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U
2,4-Dinitrophenol	51-28-5	10	< 5.9 U	< 5.6 U	< 47 U	< 5.6 U	< 47 U
2,4-Dinitrotoluene	121-14-2	5	< 3.0 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U
2,6-Dinitrotoluene	606-20-2	5	< 3.0 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U
2-Chloronaphthalene	91-58-7	10	< 3.0 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U
2-Chlorophenol	95-57-8	1	< 3.0 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U
2-Methylnaphthalene	91-57-6	NC	< 1.5 U	< 1.4 U	< 9.4 U	< 1.4 U	< 9.4 U
2-Methylphenol	95-48-7	1	< 3.0 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U
2-Nitroaniline	88-74-4	5	< 3.0 U	< 2.8 U	< 47 U	< 2.8 U	< 47 U
2-Nitrophenol	88-75-5	1	< 3.0 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U
3- AND 4- Methylphenol (TOTAL)	106-44-5	NC	NA	NA	< 9.4 U	NA	< 9.4 U
3,3-Dichlorobenzidine	91-94-1	5	< 3.0 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U
3-Nitroaniline	99-09-2	5	< 3.0 U	< 2.8 U	< 47 U	< 2.8 U	< 47 U
4,6-Dinitro-2-methylphenol	534-52-1	1	< 5.9 U	< 5.6 U	< 47 U	< 5.6 U	< 47 U
4-Bromophenyl-phenylether	101-55-3	NC	< 3.0 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U
4-Chloro-3-methylphenol	59-50-7	1	< 3.0 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U
4-Chloroaniline	106-47-8	5	< 3.0 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U
4-Chlorophenyl-phenylether	7005-72-3	NC	< 3.0 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U
4-Nitroaniline	100-01-6	5	< 3.0 UJ	< 2.8 U	< 47 U	< 2.8 U	< 47 U
4-Nitrophenol	100-02-7	1	< 3.0 U	< 2.8 U	< 47 UJ	< 2.8 U	< 47 U
Acenaphthene	83-32-9	NC	< 1.5 U	< 1.4 U	< 9.4 U	0.20 J	< 9.4 U
Acenaphthylene	208-96-8	NC	< 1.5 U	< 1.4 U	< 9.4 U	< 1.4 U	< 9.4 U
Acetophenone	98-86-2	NC	< 3.0 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U
Anthracene	120-12-7	50	< 1.5 U	< 1.4 U	< 9.4 U	< 1.4 U	< 9.4 U
Atrazine	1912-24-9	7.5	< 3.0 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U
Benzaldehyde	100-52-7	NC	< 3.0 U	< 2.8 U	< 47 U	< 2.8 U	< 47 U
Benzidine	92-87-5	5	< 7.9 U	< 7.5 U	< 94 U	< 7.5 U	< 94 U
Benzo[a]anthracene	56-55-3	0.002	< 1.5 U	< 1.4 U	< 9.4 U	< 1.4 U	< 9.4 U
Benzo[a]pyrene	50-32-8	0	< 1.5 U	< 1.4 U	< 9.4 U	< 1.4 U	< 9.4 U
Benzo[b]fluoranthene	205-99-2	0.002	< 1.5 U	< 1.4 U	< 9.4 U	< 1.4 U	< 9.4 U
Benzo[g,h,i]perylene	191-24-2	NC	< 1.5 U	< 1.4 U	< 9.4 U	< 1.4 U	< 9.4 U
Benzo[k]fluoranthene	207-08-9	0.002	< 1.5 U	< 1.4 U	< 9.4 U	< 1.4 U	< 9.4 U
Bis(2-Chloroethoxy)methane	111-91-1	5	< 3.0 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U
Bis(2-Chloroethyl)Ether	111-44-4	1	< 3.0 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U
Bis(2-Chloroisopropyl)ether	108-60-1	5	< 3.0 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U
Bis(2-Ethylhexyl)phthalate	117-81-7	5	< 3.0 U	< 2.8 U	< 9.4 U	0.23 J	< 9.4 U
Butylbenzylphthalate	85-68-7	50	< 3.0 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U
Caprolactam	105-60-2	NC	< 3.0 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U
Carbazole	86-74-8	NC	< 3.0 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U
Chrysene	218-01-9	0.002	< 1.5 U	< 1.4 U	< 9.4 U	< 1.4 U	< 9.4 U
Dibenzo[a,h]Anthracene	53-70-3	NC	< 1.5 U	< 1.4 U	< 9.4 U	< 1.4 U	< 9.4 U
Dibenzofuran	132-64-9	NC	< 3.0 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U
Diethylphthalate	84-66-2	50	< 3.0 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U
Dimethylphthalate	131-11-3	50	< 3.0 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U
Di-n-butylphthalate	84-74-2	50	< 3.0 U	< 2.8 U	< 9.4 U	0.14 J	< 9.4 U
Di-n-octylphthalate	117-84-0	50	< 3.0 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U
Fluoranthene	206-44-0	50	< 1.5 U	< 1.4 U	< 9.4 U	< 1.4 U	< 9.4 U
Fluorene	86-73-7	50	< 1.5 U	< 1.4 U	< 9.4 U	< 1.4 U	< 9.4 U
Hexachlorobenzene	118-74-1	0.04	< 3.0 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U
Hexachlorobutadiene	87-68-3	0.5	< 3.0 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U
Hexachlorocyclopentadiene	77-47-4	5	< 3.0 UJ	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 UJ
Hexachloroethane	67-72-1	5	< 3.0 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U
Indeno[1,2,3-cd]pyrene	193-39-5	0.002	< 1.5 U	< 1.4 U	< 9.4 U	< 1.4 U	< 9.4 U
Isophorone	78-59-1	50	< 3.0 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U
m-Cresol & p-Cresol	MEPH1314	NC	< 3.0 U	< 2.8 U	NA	< 2.8 U	NA
Naphthalene	91-20-3	10	< 1.5 U	< 1.4 U	< 9.4 U	< 1.4 U	< 9.4 U
Nitrobenzene	98-95-3	0.4	< 3.0 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	< 3.0 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U
N-Nitrosodiphenylamine	86-30-6	50	< 3.0 U	< 2.8 U	< 9.4 U	< 2.8 U	< 9.4 U
Pentachlorophenol	87-86-5	NC	< 5.9 U	< 5.6 U	< 47 U	< 5.6 U	< 47 U
Phenanthrene	85-01-8	50	< 1.5 UJ	< 1.4 U	< 9.4 U	< 1.4 U	< 9.4 U
Phenol	108-95-2	NC	< 7.9 U	< 7.5 U	< 9.4 U	< 7.5 U	< 9.4 U
Pyrene	129-00-0	50	< 1.5 U	< 1.4 U	< 9.4 U	< 1.4 U	< 9.4 U
Pyridine	110-86-1	50	< 3.0 U	< 2.8 U	< 47 U	< 2.8 U	< 47 U
Total SVOCs TICs	NA	NC	32.4	NT	NT	88.9	NT

Notes:
All units in micrograms per liter (µg/L)
NT - No TICs identified
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.
Exceeds NYS GW Class GA

Table 10C - Groundwater Results - PCBs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	BED1-100	BED1-100	BED1-101	BED1-101	BED1-102	BED1-102	BED1-103	BED1-103	BED1-104
		Sample ID	BED1-100-082316	BED1-100-121316	BED1-101-082416	BED1-101-121216	BED1-102-081516	BED1-102-120516	BED1-103-081916	BED1-103-120916	BED1-104-081816
		Sample Date	8/23/2016	12/13/2016	8/24/2016	12/12/2016	8/15/2016	12/5/2016	8/19/2016	12/9/2016	8/18/2016
		Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		Lab SDG	2170212	R1613018	2170212	R1613018	2168497	R1612714	2169456	R1612845	2169456
Chemical Name	CAS #	NYS GW CLASS GA[1]									
PCBs											
Aroclor 1268	11100-14-4	NC	< 0.046 U	< 0.24 U	< 0.046 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.048 UJ
Aroclor-1016	12674-11-2	0.09	< 0.046 U	< 0.24 U	< 0.046 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.048 UJ
Aroclor-1221	11104-28-2	0.09	< 0.046 U	< 0.24 U	< 0.046 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.048 UJ
Aroclor-1232	11141-16-5	0.09	< 0.046 U	< 0.24 U	< 0.046 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.048 UJ
Aroclor-1242	53469-21-9	0.09	< 0.046 U	< 0.24 U	< 0.046 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.048 UJ
Aroclor-1248	12672-29-6	0.09	< 0.046 U	< 0.24 U	< 0.046 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.048 UJ
Aroclor-1254	11097-69-1	0.09	< 0.046 U	< 0.24 U	< 0.046 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.048 UJ
Aroclor-1260	11096-82-5	0.09	< 0.046 U	< 0.24 U	< 0.046 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.048 UJ
PCB-1262	37324-23-5	NC	< 0.046 U	< 0.24 U	< 0.046 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.048 UJ
Total PCBs	1336-36-3	0.09	< 0.046 U	ND	< 0.046 U	ND	< 0.047 U	ND	< 0.047 U	ND	< 0.048 UJ

Notes:
All units in micrograms per liter (µg/L)
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
Total PCBs per analysis for August 2016 samples and calculated as a sum of the detected aroclors for December 2016 samples.
[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.
Exceeds NYS GW Class GA

Table 10C - Groundwater Results - PCBs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	BED1-104	MW-3	MW-3	OVR-100	OVR-100	OVR-101	OVR-101	OVR-102	OVR-103
		Sample ID	BED1-104-120816	MW-3-082316	MW-3-120916	OVR-100-082316	OVR-100-121316	OVR-101-082416	OVR-101-121316	OVR-102-120516	OVR-103-082216
		Sample Date	12/8/2016	8/23/2016	12/9/2016	8/23/2016	12/13/2016	8/24/2016	12/13/2016	12/5/2016	8/22/2016
		Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		Lab SDG	R1612845	2170212	R1612845	2170212	R1613018	2170212	R1613018	R1612714	2169456
Chemical Name	CAS #	NYS GW CLASS GA[1]									
PCBs											
Aroclor 1268	11100-14-4	NC	< 0.047 U	< 0.046 U	< 0.047 U	< 0.046 U	< 0.047 U	< 0.046 U	< 0.047 U	< 0.047 U	< 0.047 U
Aroclor-1016	12674-11-2	0.09	< 0.047 U	< 0.046 U	< 0.047 U	< 0.046 U	< 0.047 U	< 0.046 U	< 0.047 U	< 0.047 U	< 0.047 U
Aroclor-1221	11104-28-2	0.09	< 0.047 U	< 0.046 U	< 0.047 U	< 0.046 U	< 0.047 U	< 0.046 U	< 0.047 U	< 0.047 U	< 0.047 U
Aroclor-1232	11141-16-5	0.09	< 0.047 U	< 0.046 U	< 0.047 U	< 0.046 U	< 0.047 U	< 0.046 U	< 0.047 U	< 0.047 U	< 0.047 U
Aroclor-1242	53469-21-9	0.09	< 0.047 U	< 0.046 U	< 0.047 U	< 0.046 U	< 0.047 U	< 0.046 U	< 0.047 U	< 0.047 U	< 0.047 U
Aroclor-1248	12672-29-6	0.09	< 0.047 U	< 0.046 U	< 0.047 U	< 0.046 U	0.096 J	< 0.046 U	< 0.047 U	< 0.047 U	< 0.047 U
Aroclor-1254	11097-69-1	0.09	< 0.047 U	< 0.046 U	< 0.047 U	< 0.046 U	0.075 J	< 0.046 U	< 0.047 U	< 0.047 U	< 0.047 U
Aroclor-1260	11096-82-5	0.09	< 0.047 U	< 0.046 U	< 0.047 U	< 0.046 U	< 0.047 U	< 0.046 U	< 0.047 U	< 0.047 U	< 0.047 U
PCB-1262	37324-23-5	NC	< 0.047 U	< 0.046 U	< 0.047 U	< 0.046 U	< 0.047 U	< 0.046 U	< 0.047 U	< 0.047 U	< 0.047 U
Total PCBs	1336-36-3	0.09	ND	< 0.046 U	ND	< 0.046 U	0.171	< 0.046 U	ND	ND	< 0.047 U

Notes:

All units in micrograms per liter (µg/L)

R - Result rejected during validation due to QA/QC excursion.

U - Not detected at the detection limit shown

B - Indicates the analyte is detected in the associated blank as well as in the sample

T - Indicates that a quality control parameter has exceeded laboratory limits

J - Estimated value

JN - Detection is tentative in identification and estimated in value

Total PCBs per analysis for August 2016 samples and calculated as a sum of the detec

[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.

Exceeds NYS GW Class GA

Table 10C - Groundwater Results - PCBs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	OVR-103	OVR-104	OVR-104	OVR-105	OVR-105	OVR-105	OVR-106	OVR-106	OVR-107
		Sample ID	OVR-103-120916	OVR-104-081816	OVR-104-120816	OVR-105-081516	OVR-105-081516	OVR-105-120516	OVR-106-082216	OVR-106-121216	OVR-107-082316
		Sample Date	12/9/2016	8/18/2016	12/8/2016	8/15/2016	8/15/2016	12/5/2016	8/22/2016	12/12/2016	8/23/2016
		Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		Lab SDG	R1612845	2169456	R1612845	2168497	2170212	R1612714	2170212	R1613018	2170212
Chemical Name	CAS #	NYS GW CLASS GA[1]									
PCBs											
Aroclor 1268	11100-14-4	NC	< 0.047 U	< 0.049 UJ	< 0.047 U	< 0.049 U	< 0.050 U	< 0.047 U	< 0.046 U	< 0.047 U	< 0.046 U
Aroclor-1016	12674-11-2	0.09	< 0.047 U	< 0.049 UJ	< 0.047 U	< 0.049 U	< 0.050 U	< 0.047 U	< 0.046 U	< 0.047 U	< 0.046 U
Aroclor-1221	11104-28-2	0.09	< 0.047 U	< 0.049 UJ	< 0.047 U	< 0.049 U	< 0.050 U	< 0.047 U	< 0.046 U	< 0.047 U	< 0.046 U
Aroclor-1232	11141-16-5	0.09	< 0.047 U	< 0.049 UJ	< 0.047 U	< 0.049 U	< 0.050 U	< 0.047 U	< 0.046 U	< 0.047 U	< 0.046 U
Aroclor-1242	53469-21-9	0.09	< 0.047 U	< 0.049 UJ	< 0.047 U	< 0.049 U	< 0.050 U	< 0.047 U	< 0.046 U	< 0.047 U	< 0.046 U
Aroclor-1248	12672-29-6	0.09	< 0.047 U	< 0.049 UJ	< 0.047 U	< 0.049 U	< 0.050 U	< 0.047 U	< 0.046 U	< 0.047 U	< 0.046 U
Aroclor-1254	11097-69-1	0.09	< 0.047 U	< 0.049 UJ	< 0.047 U	< 0.049 U	< 0.050 U	< 0.047 U	< 0.046 U	< 0.047 U	< 0.046 U
Aroclor-1260	11096-82-5	0.09	< 0.047 U	< 0.049 UJ	< 0.047 U	< 0.049 U	< 0.050 U	< 0.047 U	< 0.046 U	< 0.047 U	< 0.046 U
PCB-1262	37324-23-5	NC	< 0.047 U	< 0.049 UJ	< 0.047 U	< 0.049 U	< 0.050 U	< 0.047 U	< 0.046 U	< 0.047 U	< 0.046 U
Total PCBs	1336-36-3	0.09	ND	< 0.049 UJ	ND	< 0.049 U	ND	< 0.046 U	ND	< 0.046 U	ND

Notes:

All units in micrograms per liter (µg/L)

R - Result rejected during validation due to QA/QC excursion.

U - Not detected at the detection limit shown

B - Indicates the analyte is detected in the associated blank as well as in the sample

T - Indicates that a quality control parameter has exceeded laboratory limits

J - Estimated value

JN - Detection is tentative in identification and estimated in value

Total PCBs per analysis for August 2016 samples and calculated as a sum of the detec

[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.

Exceeds NYS GW Class GA

Table 10C - Groundwater Results - PCBs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	OVR-107	OVR-108	OVR-108	OVR-109	OVR-109	OVR-110	OVR-110	OVR-111	OVR-111
		Sample ID	OVR-107-121216	OVR-108-082216	OVR-108-121216	OVR-109-082216	OVR-109-121216	OVR-110-081616	OVR-110-120516	OVR-111-082216	OVR-111-120916
		Sample Date	12/12/2016	8/22/2016	12/12/2016	8/22/2016	12/12/2016	8/15/2016	12/5/2016	8/22/2016	12/9/2016
		Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		Lab SDG	R1613018	2169456	R1613018	2169456	R1613018	2168497	R1612714	2169456	R1612845
Chemical Name	CAS #	NYS GW CLASS GA[1]									
PCBs											
Aroclor 1268	11100-14-4	NC	< 0.047 U	< 0.047 U	< 0.047 U	< 0.050 U	< 0.047 U	< 0.046 U	< 0.047 U	< 0.053 U	< 0.047 U
Aroclor-1016	12674-11-2	0.09	< 0.047 U	< 0.047 U	< 0.047 U	< 0.050 U	< 0.047 U	< 0.046 U	< 0.047 U	< 0.053 U	< 0.047 U
Aroclor-1221	11104-28-2	0.09	< 0.047 U	< 0.047 U	< 0.047 U	< 0.050 U	< 0.047 U	< 0.046 U	< 0.047 U	< 0.053 U	< 0.047 U
Aroclor-1232	11141-16-5	0.09	< 0.047 U	< 0.047 U	< 0.047 U	< 0.050 U	< 0.047 U	< 0.046 U	< 0.047 U	< 0.053 U	< 0.047 U
Aroclor-1242	53469-21-9	0.09	< 0.047 U	< 0.047 U	< 0.047 U	< 0.050 U	< 0.047 U	< 0.046 U	< 0.047 U	< 0.053 U	< 0.047 U
Aroclor-1248	12672-29-6	0.09	< 0.047 U	< 0.047 U	< 0.047 U	< 0.050 U	< 0.047 U	< 0.046 U	< 0.047 U	< 0.053 U	< 0.047 U
Aroclor-1254	11097-69-1	0.09	< 0.047 U	< 0.047 U	< 0.047 U	< 0.050 U	< 0.047 U	< 0.046 U	< 0.047 U	< 0.053 U	< 0.047 U
Aroclor-1260	11096-82-5	0.09	< 0.047 U	< 0.047 U	< 0.047 U	< 0.050 U	< 0.047 U	< 0.046 U	< 0.047 U	< 0.053 U	< 0.047 U
PCB-1262	37324-23-5	NC	< 0.047 U	< 0.047 U	< 0.047 U	< 0.050 U	< 0.047 U	< 0.046 U	< 0.047 U	< 0.053 U	< 0.047 U
Total PCBs	1336-36-3	0.09	< 0.047 U	ND	< 0.050 U	ND	< 0.046 U	ND	< 0.053 U	ND	< 0.048 U

Notes:
All units in micrograms per liter (µg/L)
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
Total PCBs per analysis for August 2016 samples and calculated as a sum of the detec
[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.
Exceeds NYS GW Class GA

Table 10C - Groundwater Results - PCBs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	OVR-112	OVR-112	OVR-113	OVR-114	OVR-114	OVR-115	OVR-115	OVR-116	OVR-116
		Sample ID	OVR-112-081916	OVR-112-120816	OVR-113-120816	OVR-114-081616	OVR-114-120516	OVR-115-081616	OVR-115-120616	DUP-011-081616	OVR-116-081616
		Sample Date	8/19/2016	12/8/2016	12/8/2016	8/15/2016	12/5/2016	8/15/2016	12/6/2016	8/15/2016	8/15/2016
		Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		Lab SDG	2169456	R1612845	R1612845	2168497	R1612714	2168497	R1612714	2168497	2168497
Chemical Name	CAS #	NYS GW CLASS GA[1]									
PCBs											
Aroclor 1268	11100-14-4	NC	< 0.048 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.049 U	< 0.048 U
Aroclor-1016	12674-11-2	0.09	< 0.048 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.049 U	< 0.048 U
Aroclor-1221	11104-28-2	0.09	< 0.048 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.049 U	< 0.048 U
Aroclor-1232	11141-16-5	0.09	< 0.048 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.049 U	< 0.048 U
Aroclor-1242	53469-21-9	0.09	< 0.048 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.049 U	< 0.048 U
Aroclor-1248	12672-29-6	0.09	< 0.048 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.049 U	< 0.048 U
Aroclor-1254	11097-69-1	0.09	< 0.048 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.049 U	< 0.048 U
Aroclor-1260	11096-82-5	0.09	< 0.048 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.049 U	< 0.048 U
PCB-1262	37324-23-5	NC	< 0.048 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.049 U	< 0.048 U
Total PCBs	1336-36-3	0.09	ND	ND	< 0.047 U	ND	< 0.047 U	ND	< 0.049 U	< 0.048 U	ND

Notes:
All units in micrograms per liter (µg/L)
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
Total PCBs per analysis for August 2016 samples and calculated as a sum of the detec
[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.
Exceeds NYS GW Class GA

Table 10C - Groundwater Results - PCBs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	OVR-116	OVR-117	OVR-117	OVR-118	OVR-118	OVR-119	OVR-119	OVR-120	OVR-120
		Sample ID	OVR-116-120616	OVR-117-082416	OVR-117-121316	OVR-118-081816	OVR-118-120716	OVR-119-081916	OVR-119-120816	OVR-120-081816	OVR-120-120816
		Sample Date	12/6/2016	8/24/2016	12/13/2016	8/18/2016	12/7/2016	8/19/2016	12/8/2016	8/18/2016	12/8/2016
		Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		Lab SDG	R1612714	2170212	R1613018	2168907	R1612845	2169456	R1612845	2168907	R1612845
Chemical Name	**CAS #**	**NYS GW CLASS GA[1]**									
PCBs											
Aroclor 1268	11100-14-4	NC	< 0.047 U	< 0.046 U	< 0.047 U	< 0.048 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U
Aroclor-1016	12674-11-2	0.09	< 0.047 U	< 0.046 U	< 0.047 U	< 0.048 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U
Aroclor-1221	11104-28-2	0.09	< 0.047 U	< 0.046 U	< 0.047 U	< 0.048 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U
Aroclor-1232	11141-16-5	0.09	< 0.047 U	< 0.046 U	< 0.047 U	< 0.048 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U
Aroclor-1242	53469-21-9	0.09	< 0.047 U	< 0.046 U	< 0.047 U	< 0.048 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U
Aroclor-1248	12672-29-6	0.09	< 0.047 U	< 0.046 U	< 0.047 U	< 0.048 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U
Aroclor-1254	11097-69-1	0.09	< 0.047 U	< 0.046 U	< 0.047 U	< 0.048 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U
Aroclor-1260	11096-82-5	0.09	< 0.047 U	< 0.046 U	< 0.047 U	< 0.048 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U
PCB-1262	37324-23-5	NC	< 0.047 U	< 0.046 U	< 0.047 U	< 0.048 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U
Total PCBs	1336-36-3	0.09	< 0.046 U	ND	< 0.048 U	ND	< 0.047 U	ND	< 0.047 U	ND	< 0.049 U

Notes:
All units in micrograms per liter (µg/L)
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
Total PCBs per analysis for August 2016 samples and calculated as a sum of the detec
[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.
Exceeds NYS GW Class GA

Table 10C - Groundwater Results - PCBs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	OVR-121	OVR-121	OVR-122	OVR-122	OVR-123	OVR-123	OVR-124	OVR-124	OVR-124
		Sample ID	OVR-121-081616	OVR-121-120616	OVR-122-081816	OVR-122-120716	OVR-123-081816	OVR-123-120716	OVR-124-081716	DUP-015-120716	OVR-124-120716
		Sample Date	8/16/2016	12/6/2016	8/18/2016	12/7/2016	8/18/2016	12/7/2016	8/17/2016	12/7/2016	12/7/2016
		Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		Lab SDG	2168907	R1612714	2168907	R1612845	2168907	R1612845	2168907	R1612845	R1612845
Chemical Name	CAS #	NYS GW CLASS GA[1]									
PCBs											
Aroclor 1268	11100-14-4	NC	< 0.049 U	< 0.047 U	< 0.089 U	< 0.047 U	< 0.083 U	< 0.047 U	< 0.046 J	< 0.047 U	< 0.047 U
Aroclor-1016	12674-11-2	0.09	< 0.049 U	< 0.047 U	< 0.089 U	< 0.047 U	< 0.083 U	< 0.047 U	< 0.046 J	< 0.047 U	< 0.047 U
Aroclor-1221	11104-28-2	0.09	< 0.049 U	< 0.047 U	< 0.089 U	< 0.047 U	< 0.083 U	< 0.047 U	< 0.046 J	< 0.047 U	< 0.047 U
Aroclor-1232	11141-16-5	0.09	< 0.049 U	< 0.047 U	< 0.089 U	< 0.047 U	< 0.083 U	< 0.047 U	< 0.046 J	< 0.047 U	< 0.047 U
Aroclor-1242	53469-21-9	0.09	< 0.049 U	< 0.047 U	< 0.089 U	< 0.047 U	< 0.083 U	< 0.047 U	< 0.046 J	< 0.047 U	< 0.047 U
Aroclor-1248	12672-29-6	0.09	< 0.049 U	< 0.047 U	< 0.089 U	< 0.047 U	< 0.083 U	< 0.047 U	< 0.046 J	< 0.047 U	< 0.047 U
Aroclor-1254	11097-69-1	0.09	< 0.049 U	< 0.047 U	< 0.089 U	< 0.047 U	< 0.083 U	< 0.047 U	< 0.046 J	< 0.047 U	< 0.047 U
Aroclor-1260	11096-82-5	0.09	< 0.049 U	< 0.047 U	< 0.089 U	< 0.047 U	< 0.083 U	< 0.047 U	< 0.046 J	< 0.047 U	< 0.047 U
PCB-1262	37324-23-5	NC	< 0.049 U	< 0.047 U	< 0.089 U	< 0.047 U	< 0.083 U	< 0.047 U	< 0.046 J	< 0.047 U	< 0.047 U
Total PCBs	1336-36-3	0.09	ND	< 0.089 U	ND	< 0.083 U	ND	< 0.046 UJ	ND	ND	< 0.049 U

Notes:

All units in micrograms per liter (µg/L)

R - Result rejected during validation due to QA/QC excursion.

U - Not detected at the detection limit shown

B - Indicates the analyte is detected in the associated blank as well as in the sample

T - Indicates that a quality control parameter has exceeded laboratory limits

J - Estimated value

JN - Detection is tentative in identification and estimated in value

Total PCBs per analysis for August 2016 samples and calculated as a sum of the detec

[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.

Exceeds NYS GW Class GA

Table 10C - Groundwater Results - PCBs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	OVR-125	OVR-125	OVR-126	OVR-126	OVR-127	OVR-127	OVR-128	OVR-128	OVR-129
		Sample ID	OVR-125-081716	OVR-125-120616	OVR-126-081716	OVR-126-120616	OVR-127-081716	OVR-127-120616	OVR-128-081716	OVR-128-120716	OVR-129-081716
		Sample Date	8/17/2016	12/6/2016	8/17/2016	12/6/2016	8/17/2016	12/6/2016	8/17/2016	12/7/2016	8/17/2016
		Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		Lab SDG	2168907	R1612714	2168907	R1612714	2168907	R1612714	2168907	R1612845	2168907
Chemical Name	CAS #	NYS GW CLASS GA[1]									
PCBs											
Aroclor 1268	11100-14-4	NC	< 0.049 U	< 0.047 U	< 0.046 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 UJ
Aroclor-1016	12674-11-2	0.09	< 0.049 U	< 0.047 U	< 0.046 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 UJ
Aroclor-1221	11104-28-2	0.09	< 0.049 U	< 0.047 U	< 0.046 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 UJ
Aroclor-1232	11141-16-5	0.09	< 0.049 U	< 0.047 U	< 0.046 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 UJ
Aroclor-1242	53469-21-9	0.09	< 0.049 U	< 0.047 U	< 0.046 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 UJ
Aroclor-1248	12672-29-6	0.09	< 0.049 U	< 0.047 U	< 0.046 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 UJ
Aroclor-1254	11097-69-1	0.09	< 0.049 U	< 0.047 U	< 0.046 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 UJ
Aroclor-1260	11096-82-5	0.09	< 0.049 U	< 0.047 U	< 0.046 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 UJ
PCB-1262	37324-23-5	NC	< 0.049 U	< 0.047 U	< 0.046 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 U	< 0.047 UJ
Total PCBs	1336-36-3	0.09	ND	< 0.046 U	ND	< 0.047 U	ND	< 0.047 U	ND	< 0.047 UJ	ND

Notes:
All units in micrograms per liter (µg/L)
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
Total PCBs per analysis for August 2016 samples and calculated as a sum of the detec
[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.
Exceeds NYS GW Class GA

Table 10C - Groundwater Results - PCBs
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	OVR-129	OVR-130	OVR-130	OVR-130	OVR-131	OVR-131	OVR-131	OVR-132	OVR-132
		Sample ID	OVR-129-120716	OVR-130-082316	DUP-016-121316	OVR-130-121316	DUP-012-082316	OVR-131-082316	OVR-131-121316	OVR-132-082316	OVR-132-121216
		Sample Date	12/7/2016	8/23/2016	12/13/2016	12/13/2016	8/23/2016	8/23/2016	12/13/2016	8/23/2016	12/12/2016
		Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		Lab SDG	R1612845	2170212	R1613018	R1613018	2170212	2170212	R1613018	2170212	R1613018
Chemical Name	**CAS #**	**NYS GW CLASS GA[1]**									
PCBs											
Aroclor 1268	11100-14-4	NC	< 0.047 U	< 0.050 U	< 0.24 U	< 0.24 U	< 0.046 U	< 0.046 U	< 0.047 U	< 0.047 U	< 0.083 U
Aroclor-1016	12674-11-2	0.09	< 0.047 U	< 0.050 U	< 0.24 U	< 0.24 U	< 0.046 U	< 0.046 U	< 0.047 U	< 0.047 U	< 0.083 U
Aroclor-1221	11104-28-2	0.09	< 0.047 U	< 0.050 U	< 0.24 U	< 0.24 U	< 0.046 U	< 0.046 U	< 0.047 U	< 0.047 U	< 0.083 U
Aroclor-1232	11141-16-5	0.09	< 0.047 U	< 0.050 U	< 0.24 U	< 0.24 U	< 0.046 U	< 0.046 U	< 0.047 U	< 0.047 U	< 0.083 U
Aroclor-1242	53469-21-9	0.09	< 0.047 U	< 0.050 U	< 0.24 U	< 0.24 U	< 0.046 U	< 0.046 U	< 0.047 U	< 0.047 U	< 0.083 U
Aroclor-1248	12672-29-6	0.09	< 0.047 U	< 0.050 U	< 0.24 U	< 0.24 U	< 0.046 U	< 0.046 U	< 0.047 U	< 0.047 U	< 0.083 U
Aroclor-1254	11097-69-1	0.09	< 0.047 U	< 0.050 U	< 0.24 U	< 0.24 U	< 0.046 U	< 0.046 U	< 0.047 U	< 0.047 U	< 0.083 U
Aroclor-1260	11096-82-5	0.09	< 0.047 U	< 0.050 U	< 0.24 U	< 0.24 U	< 0.046 U	< 0.046 U	< 0.047 U	< 0.047 U	< 0.083 U
PCB-1262	37324-23-5	NC	< 0.047 U	< 0.050 U	< 0.24 U	< 0.24 U	< 0.046 U	< 0.046 U	< 0.047 U	< 0.047 U	< 0.083 U
Total PCBs	1336-36-3	0.09	< 0.050 U	ND	ND	< 0.046 U	< 0.046 U	ND	< 0.047 U	ND	

Notes:
All units in micrograms per liter (µg/L)
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
Total PCBs per analysis for August 2016 samples and calculated as a sum of the detec
[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.
Exceeds NYS GW Class GA

Table 10D - Groundwater Results
Inorganics
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	BED1-100	BED1-100	BED1-101	BED1-101	BED1-102	BED1-102	BED1-103	BED1-103	BED1-104
		Sample ID	BED1-100-082316	BED1-100-121316	BED1-101-082416	BED1-101-121216	BED1-102-081516	BED1-102-120516	BED1-103-081916	BED1-103-120916	BED1-104-081816
		Sample Date	8/23/2016	12/13/2016	8/24/2016	12/12/2016	8/15/2016	12/5/2016	8/19/2016	12/9/2016	8/18/2016
		Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		Lab SDG	R1608915	R1613018	R1608915	R1613018	R1608604	R1612714	R1608824	R1612845	R1608824
Chemical Name	CAS #	NYS GW CLASS GA[1]									
Inorganics											
Aluminum	7429-90-5	NC	< 100 U	51.3 J	< 100 U	39.3 J	< 100 U	< 100 U	< 100 U	34.1 J	< 100 UJ
Antimony	7440-36-0	3	< 60 U	< 60 U	< 60 U	< 60 U	< 60 U	< 60.0 U	< 60 U	< 60 U	< 60 UJ
Arsenic	7440-38-2	25	< 10 U		< 10 U	< 10 U	< 10 U	< 10.0 U	< 10 U	< 10 U	< 10 UJ
Barium	7440-39-3	1,000	< 20 U	< 20 U	76.3	79.1	142	128	70.4	30.1	109 J
Beryllium	7440-41-7	3	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3.0 U	< 3 U	< 3 U	< 3 UJ
Cadmium	7440-43-9	5	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5.0 U	< 5 U	< 5 U	< 5 UJ
Calcium	7440-70-2	NC	330,000	225,000	92,500	92,000	126,000	160,000	189,000	144,000	140000 J
Chromium	7440-47-3	50	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10.0 U	< 10 U	< 10 U	< 10 UJ
Cobalt	7440-48-4	NC	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50.0 U	< 50 U	< 50 U	< 50 UJ
Copper	7440-50-8	200	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20.0 U	< 20 U	< 20 U	< 20 UJ
Cyanide	57-12-5	200	< 10 U	< 10 UJ	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 UJ	< 10 UJ
Iron	7439-89-6	300	< 100 U	50.3 J	273	566	2,720	2,670	169	< 100 U	< 100 UJ
Lead	7439-92-1	25	< 5 U	< 5 U	< 5 U	< 5 U	< 50 U	< 5.0 U	< 5 U	< 5 U	< 5 UJ
Magnesium	7439-95-4	35,000	110,000	89,400	52,600	52,900	41,000	51,900	75,900	58,300	58400 J
Manganese	7439-96-5	300	< 10 U	32	31.7	32.1	368	405	833	178	51.3 J
Mercury	7439-97-6	0.7	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	0.04 J	< 0.200 U	< 0.2 U	< 0.2 U	< 0.2 U
Nickel	7440-02-0	100	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40.0 U	< 40 U	< 40 U	< 40 UJ
Potassium	7440-09-7	NC	6,230	5,510	2,270	2,340	3,850	4,070	5,270	9,210	6030 J
Potassium	9/7/7440	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	7782-49-2	10	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10.0 U	< 10 U	< 10 U	< 10 UJ
Silver	7440-22-4	50	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10.0 U	< 10 U	< 10 U	< 10 UJ
Sodium	7440-23-5	20,000	22,600	40,800	68,200	70,200	26,400 J	28,100	42,800	48,900	51000 J
Thallium	7440-28-0	0.5	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10.0 U	< 10 U	2.7 J	< 10 UJ
Vanadium	7440-62-2	NC	< 50 U	1 J	< 50 U	< 50 U	< 50 U	< 50.0 U	< 50 U	< 50 U	< 50 UJ
Zinc	7440-66-6	2,000	< 20 U	2.6 J	< 20 U	2.1 J	< 20 U	3.0 J	< 20 U	< 20 U	< 20 UJ

Notes:
All units in micrograms per liter (µg/L)
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.
Exceeds NYS GW Class GA

Table 10D - Groundwater Results
Inorganics
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	BED1-104	MW-3	MW-3	OVR-100	OVR-100	OVR-101	OVR-101	OVR-102	OVR-102
		Sample ID	BED1-104-120816	MW-3-082316	MW-3-120916	OVR-100-082316	OVR-100-121316	OVR-101-082416	OVR-101-121316	OVR-102-081516	OVR-102-120516
		Sample Date	12/8/2016	8/23/2016	12/9/2016	8/23/2016	12/13/2016	8/24/2016	12/13/2016	8/15/2016	12/5/2016
		Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		Lab SDG	R1612845	R1608915	R1612845	R1608915	R1613018	R1608915	R1613018	R1608604	R1612714
Chemical Name	**CAS #**	**NYS GW CLASS GA[1]**									
Inorganics											
Aluminum	7429-90-5	NC	40.2 J	< 100 U	118	< 100 U	232	< 100 U	491	< 100 U	212
Antimony	7440-36-0	3	< 60 U	< 60 U	< 60 U	< 60 U	< 60 U	< 60 U	< 60 U	< 60 U	< 60.0 U
Arsenic	7440-38-2	25	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	62.1	67.6	19.5	28.3
Barium	7440-39-3	1,000	129	117	96.1	213	193	183	188	242	338
Beryllium	7440-41-7	3	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3.0 U
Cadmium	7440-43-9	5	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5.0 U
Calcium	7440-70-2	NC	126,000	234,000	215,000	132,000	186,000	145,000	153,000	183,000	183,000
Chromium	7440-47-3	50	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10.0 U
Cobalt	7440-48-4	NC	< 50 U	< 50 U	1.3 J	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50.0 U
Copper	7440-50-8	200	< 20 U	< 20 U	1 J	< 20 U	1.1 J	< 20 U	2.5 J	< 20 U	< 20.0 U
Cyanide	57-12-5	200	< 10 U	< 10 U	< 10 U	< 10 U	< 10 UJ	< 10 U	5 J	< 10 U	< 10 U
Iron	7439-89-6	300	< 100 U	< 100 U	183	4,040	7,590	2,490	2,330	15,900	23,300
Lead	7439-92-1	25	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	9.5	< 50 U	< 5.0 U
Magnesium	7439-95-4	35,000	52,400	71,600	68,400	109,000	92,000	41,600	42,500	73,400	90,300
Manganese	7439-96-5	300	53.8	238	113	442	418	719	900	796	1,190
Mercury	7439-97-6	0.7	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	0.065 J	< 0.2 U	< 0.200 U
Nickel	7440-02-0	100	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40.0 U
Potassium	7440-09-7	NC	5,820	12,500	13,800	8,470	7,680	5,910	5,220	7,070	9,320
Potassium	9/7/7440	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	7782-49-2	10	< 10 U	3.5 J	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10.0 U
Silver	7440-22-4	50	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10.0 U
Sodium	7440-23-5	20,000	47,700	274,000	280,000	57,000	56,000	48,000	16,300	17100 J	25,500
Thallium	7440-28-0	0.5	< 10 U	< 10 U	6.2 J	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10.0 U
Vanadium	7440-62-2	NC	< 50 U	< 50 U	1.7 J	< 50 U	2.2 J	< 50 U	2.8 J	< 50 U	1.0 J
Zinc	7440-66-6	2,000	< 20 U	< 20 U	< 20 U	< 20 U	5.1 J	1.8 J	15.2 J	< 20 U	4.7 J

Notes:
All units in micrograms per liter (µg/L)
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.
Exceeds NYS GW Class GA

Table 10D - Groundwater Results
Inorganics
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	OVR-103	OVR-103	OVR-104	OVR-104	OVR-105	OVR-105	OVR-106	OVR-106	OVR-107
		Sample ID	OVR-103-082216	OVR-103-120916	OVR-104-081816	OVR-104-120816	OVR-105-081516	OVR-105-120516	OVR-106-082216	OVR-106-121216	OVR-107-082316
		Sample Date	8/22/2016	12/9/2016	8/18/2016	12/8/2016	8/15/2016	12/5/2016	8/22/2016	12/12/2016	8/23/2016
		Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		Lab SDG	R1608824	R1612845	R1608824	R1612845	R1608604	R1612714	R1608915	R1613018	R1608915
Chemical Name	CAS #	NYS GW CLASS GA[1]									
Inorganics											
Aluminum	7429-90-5	NC	7,630	10,400	3270 J	2,870	164	731	1910 N	494	576
Antimony	7440-36-0	3	< 60 U	< 60 U	< 60 UJ	< 60 U	< 60 U	< 60.0 U	< 60 U	< 60 U	< 60 U
Arsenic	7440-38-2	25	26.3	23.1	< 10 UJ	< 10 U	37.4	38.2	12.3	12.9	37.8
Barium	7440-39-3	1,000	180	179	56.3 J	60	317	306	377	348	108
Beryllium	7440-41-7	3	0.3 J	0.4 J	< 3 UJ	< 3 U	< 3 U	< 3.0 U	< 3 U	< 3 U	< 3 U
Cadmium	7440-43-9	5	< 5 U	< 5 U	< 5 UJ	< 5 U	< 5 U	< 5.0 U	< 5 U	< 5 U	< 5 U
Calcium	7440-70-2	NC	203,000	237,000	346000 J	331,000	225,000	183,000	212,000	184,000	159,000
Chromium	7440-47-3	50	7.6 J	11.6	< 10 UJ	< 10 U	< 10 U	< 10.0 U	< 10 U	< 10 U	< 10 U
Cobalt	7440-48-4	NC	6.4 J	9 J	2.2 J	1.5 J	< 50 U	< 50.0 U	< 50 U	< 50 U	< 50 U
Copper	7440-50-8	200	13.5 J	17.9 J	3.1 J	2.7 J	< 20 U	1.4 J	< 20 U	1.3 J	< 20 U
Cyanide	57-12-5	200	< 10 U	< 10 U	< 10 UJ	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Iron	7439-89-6	300	28,900	33,000	12700 J	12,300	18,300	13,400	20,400	15,100	23,400
Lead	7439-92-1	25	16.5	23	< 5 UJ	2.2 J	< 50 U	< 5.0 U	5.7	< 5 U	< 5 U
Magnesium	7439-95-4	35,000	71,400	76,500	95200 J	90,200	77,100	68,700	74,400	62,300	72,600
Manganese	7439-96-5	300	3,790	3,700	2300 J	2,110	3,900	3,550	3,140	2,320	761
Mercury	7439-97-6	0.7	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.200 U	< 0.2 U	< 0.2 U	< 0.2 U
Nickel	7440-02-0	100	10.3 J	< 40 U	< 40 UJ	< 40 U	< 40 U	< 40.0 U	< 40 U	< 40 U	< 40 U
Potassium	7440-09-7	NC	7,120	8,230	10100 J	10,600	7,680	8,810	16,600	17,200	< 2000 U
Potassium	9/7/7440	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	7782-49-2	10	< 10 U	< 10 U	3.9 J	< 10 U	5.4 J	< 10.0 U	3.9 J	< 10 U	< 10 U
Silver	7440-22-4	50	< 10 U	< 10 U	< 10 UJ	< 10 U	< 10 U	< 10.0 U	< 10 U	< 10 U	< 10 U
Sodium	7440-23-5	20,000	12,300	14,700	38900 J	33,300	41100 J	41,900	27,600	34,700	36,300
Thallium	7440-28-0	0.5	< 10 U	< 10 U	11.2 J	6.5 J	< 10 U	3.1 J	< 10 U	< 10 U	< 10 U
Vanadium	7440-62-2	NC	< 50 U	20.3 J	< 50 UJ	4.6 J	< 50 U	1.7 J	< 50 U	2.3 J	< 50 U
Zinc	7440-66-6	2,000	71.4	95.3	12.4 UJ	< 20 U	< 20 U	5.2 J	22.4	30.1	3.6 J

Notes:
All units in micrograms per liter (µg/L)
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.
Exceeds NYS GW Class GA

Table 10D - Groundwater Results
Inorganics
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	OVR-107	OVR-108	OVR-108	OVR-109	OVR-109	OVR-110	OVR-110	OVR-111	OVR-111
		Sample ID	OVR-107-121216	OVR-108-082216	OVR-108-121216	OVR-109-082216	OVR-109-121216	OVR-110-081616	OVR-110-120516	OVR-111-082216	OVR-111-120916
		Sample Date	12/12/2016	8/22/2016	12/12/2016	8/22/2016	12/12/2016	8/15/2016	12/5/2016	8/22/2016	12/9/2016
		Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		Lab SDG	R1613018	R1608824	R1613018	R1608824	R1613018	R1608604	R1612714	R1608824	R1612845
Chemical Name	CAS #	NYS GW CLASS GA[1]									
Inorganics											
Aluminum	7429-90-5	NC	431	4,540	448	478	553	110	317	511	2,880
Antimony	7440-36-0	3	< 60 U	< 60 U	< 60 U	< 60 U	< 60 U	< 60 U	< 60.0 U	< 60 U	< 60 U
Arsenic	7440-38-2	25	14.8	20	< 10 U	< 10 U	< 10 U	37.3	23.8	6.6 J	7.2 J
Barium	7440-39-3	1,000	125	195	77.2	116	125	257	236	89.1	94.2
Beryllium	7440-41-7	3	< 3 U	0.2 J	< 3 U	< 3 U	< 3 U	< 3 U	< 3.0 U	< 3 U	< 3 U
Cadmium	7440-43-9	5	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5.0 U	< 5 U	< 5 U
Calcium	7440-70-2	NC	202,000	194,000	257,000	155,000	171,000	107,000	107,000	135,000	149,000
Chromium	7440-47-3	50	< 10 U	3.5 J	< 10 U	< 10 U	< 10 U	< 10 U	< 10.0 U	< 10 U	< 10 U
Cobalt	7440-48-4	NC	< 50 U	2.6 J	< 50 U	< 50 U	< 50 U	< 50 U	< 50.0 U	< 50 U	2.5 J
Copper	7440-50-8	200	1.3 J	6.8 J	2.3 J	0.9 J	1.2 J	< 20 U	< 20.0 U	0.9 J	4.2 J
Cyanide	57-12-5	200	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Iron	7439-89-6	300	6,840	26,600	1,500	6,480	5,770	6,520	6,810	9,080	11,500
Lead	7439-92-1	25	< 5 U	3.3 J	< 5 U	< 5 U	< 5 U	< 50 U	< 5.0 U	< 5 U	4 J
Magnesium	7439-95-4	35,000	60,700	61,500	60,100	54,800	54,100	60,300	62,800	47,000	44,100
Manganese	7439-96-5	300	662	1,290	409	3,280	2,910	731	849	3,970	4,080
Mercury	7439-97-6	0.7	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.200 U	< 0.2 U	< 0.2 U
Nickel	7440-02-0	100	< 40 U	5.2 J	< 40 U	< 40 U	< 40 U	< 40 U	< 40.0 U	< 40 U	< 40 U
Potassium	7440-09-7	NC	2,010	4,930	2,010	7,130	7,440	21,900	21,900	5,660	6,170
Potassium	9/7/7440	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	7782-49-2	10	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10.0 U	< 10 U	< 10 U
Silver	7440-22-4	50	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10.0 U	< 10 U	< 10 U
Sodium	7440-23-5	20,000	52,000	15,300	17,900	6,530	7,620	40,700 J	42,800	5,500	5,740
Thallium	7440-28-0	0.5	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10.0 U	< 10 U	< 10 U
Vanadium	7440-62-2	NC	3.4 J	< 50 U	2 J	< 50 U	2.2 J	< 50 U	< 50.0 U	< 50 U	6 J
Zinc	7440-66-6	2,000	6.3 J	19.2 J	10.1 J	10.4 J	13.6 J	< 20 U	3.9 J	5.9 J	27.9

Notes:
All units in micrograms per liter (µg/L)
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.
Exceeds NYS GW Class GA

Table 10D - Groundwater Results
Inorganics
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	OVR-112	OVR-112	OVR-113	OVR-113	OVR-114	OVR-114	OVR-115	OVR-115	OVR-116
		Sample ID	OVR-112-081916	OVR-112-120816	OVR-113-081916	OVR-113-120816	OVR-114-081616	OVR-114-120516	OVR-115-081616	OVR-115-120616	DUP-011-081616
		Sample Date	8/19/2016	12/8/2016	8/19/2016	12/8/2016	8/15/2016	12/5/2016	8/15/2016	12/6/2016	8/15/2016
		Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		Lab SDG	R1608824	R1612845	R1608824	R1612845	R1608604	R1612714	R1608604	R1612714	R1608604
Chemical Name	CAS #	NYS GW CLASS GA[1]									
Inorganics											
Aluminum	7429-90-5	NC	1,300	1,000	905	685	1,270	5,680	413	1,370	478
Antimony	7440-36-0	3	< 60 U	< 60 U	< 60 U	< 60 U	< 60 U	< 60.0 U	< 60 U	< 60.0 U	< 60 U
Arsenic	7440-38-2	25	< 10 U	< 10 U	6.4 J	6.7 J	< 10 U	< 10.0 U	< 10 U	< 10.0 U	< 10 U
Barium	7440-39-3	1,000	44.7	37.5	198	179	139	136	282	426	204
Beryllium	7440-41-7	3	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3.0 U	< 3 U	< 3.0 U	< 3 U
Cadmium	7440-43-9	5	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5.0 U	< 5 U	< 5.0 U	< 5 U
Calcium	7440-70-2	NC	341,000	315,000	191,000	184,000	184,000	182,000	92,300	93,900	159,000
Chromium	7440-47-3	50	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	1.4 J	< 10 U	1.3 J	< 10 U
Cobalt	7440-48-4	NC	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	3.6 J	< 50 U	1.5 J	< 50 U
Copper	7440-50-8	200	1 J	0.9 J	2.1 J	0.9 J	< 20 U	5.4 J	< 20 U	0.800 J	< 20 U
Cyanide	57-12-5	200	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Iron	7439-89-6	300	10,200	5,070	14,300	14,600	2,610	6,470	3,700	4,970	4,600
Lead	7439-92-1	25	< 5 U	< 5 U	< 5 U	< 5 U	< 50 U	4.3 J	< 50 U	< 5.0 U	< 50 U
Magnesium	7439-95-4	35,000	162,000	150,000	69,000	60,400	61,700	62,300	35,500	38,100	54,300
Manganese	7439-96-5	300	6,970	5,420	2,190	1,910	12,300	13,400	661	608	6,500
Mercury	7439-97-6	0.7	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.200 U	< 0.2 U	< 0.200 U	< 0.2 U
Nickel	7440-02-0	100	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	3.9 J	< 40 U	< 40.0 U	< 40 U
Potassium	7440-09-7	NC	1400 J	1280 J	2,660	2,620	4,830	5,030	32,300	58,400	2,050
Potassium	9/7/7440	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	7782-49-2	10	7.1 J	< 10 U	< 10 U	< 10 U	7.4 J	4.2 J	< 10 U	< 10.0 U	4 J
Silver	7440-22-4	50	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10.0 U	< 10 U	< 10.0 U	< 10 U
Sodium	7440-23-5	20,000	36,800	38,700	13,000	11,500	30,800 J	38,500	47,300 J	53,400	15,300 J
Thallium	7440-28-0	0.5	10.3	7.7 J	< 10 U	< 10 U	< 10 U	< 10.0 U	< 10 U	< 10.0 U	< 10 U
Vanadium	7440-62-2	NC	< 50 U	2 J	< 50 U	1.8 J	< 50 U	10.1 J	< 50 U	2.1 J	< 50 U
Zinc	7440-66-6	2,000	3.6 J	< 20 U	15.2 J	< 20 U	< 20 U	24.3	< 20 U	5.6 J	< 20 U

Notes:
All units in micrograms per liter (µg/L)
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.
Exceeds NYS GW Class GA

Table 10D - Groundwater Results
Inorganics
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	OVR-116	OVR-116	OVR-117	OVR-117	OVR-118	OVR-118	OVR-119	OVR-119	OVR-120
		Sample ID	OVR-116-081616	OVR-116-120616	OVR-117-082416	OVR-117-121316	OVR-118-081816	OVR-118-120716	OVR-119-081916	OVR-119-120816	OVR-120-081816
		Sample Date	8/16/2016	12/6/2016	8/24/2016	12/13/2016	8/18/2016	12/7/2016	8/19/2016	12/8/2016	8/18/2016
		Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		Lab SDG	R1608604	R1612714	R1608915	R1613018	R1608688	R1612845	R1608824	R1612845	R1608688
Chemical Name	**CAS #**	**NYS GW CLASS GA[1]**									
Inorganics											
Aluminum	7429-90-5	NC	575	1,790	354 J	1,020	820	151	5,300	1,920	1,930
Antimony	7440-36-0	3	< 60 U	< 60.0 U	< 60 U	< 60 U	< 60 U	< 60 U	< 60 U	< 60 U	< 60 U
Arsenic	7440-38-2	25	6.9 J	< 10.0 U	10.1	15.7	6.9 J	< 10 U	22.6	23.6	< 10 U
Barium	7440-39-3	1,000	206	216	22.9	31.5	68.4	49.7	154	65.3	48.9
Beryllium	7440-41-7	3	< 3 U	< 3.0 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U
Cadmium	7440-43-9	5	< 5 U	< 5.0 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Calcium	7440-70-2	NC	165,000	163,000	652,000	682,000	114,000	124,000	668,000	745,000	212,000
Chromium	7440-47-3	50	< 10 U	< 10.0 U	< 10 U	< 10 U	< 10 U	< 10 U	13.7	< 10 U	< 10 U
Cobalt	7440-48-4	NC	< 50 U	1.5 J	< 50 U	1.9 J	< 50 U	2.3 J	2.6 J	1.3 J	< 50 U
Copper	7440-50-8	200	< 20 U	1.5 J	< 20 U	4.1 J	< 20 U	1.9 J	6.9 J	2.5 J	< 20 U
Cyanide	57-12-5	200	< 10 U	< 10 U	< 10 U	3 J	< 10 U	< 10 U	< 10 U	2 J	< 10 U
Iron	7439-89-6	300	4,940	6,720	40,000	41,800	3,300	1,710	16,800	20,200	5,680
Lead	7439-92-1	25	< 50 U	< 5.0 U	5.7	4.6 J	11	< 5 U	11.3	4.3 J	2.1 J
Magnesium	7439-95-4	35,000	56,300	59,100	121,000	101,000	41,100	35,500	173,000	145,000	55,000
Manganese	7439-96-5	300	6,720	5,680	1,830	1,780	1,290	955	1,960	1,850	592
Mercury	7439-97-6	0.7	< 0.2 U	< 0.200 U	< 0.2 U	0.045 J	0.115 J	< 0.2 U	0.085 J	< 0.2 U	0.109 J
Nickel	7440-02-0	100	< 40 U	< 40.0 U	< 40 U	< 40 U	< 40 U	< 40 U	2.2 J	< 40 U	< 40 U
Potassium	7440-09-7	NC	2,140	2,790	18,600	19,700	2,750	2,420	7,060	7,170	4,550
Potassium	9/7/7440	NC	NA	NA	NA	NA	2,750	NA	NA	NA	4,550
Selenium	7782-49-2	10	4.5 J	< 10.0 U	5.2 J	< 10 U	< 10 U	< 10 U	11.7	< 10 U	< 10 U
Silver	7440-22-4	50	< 10 U	< 10.0 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Sodium	7440-23-5	20,000	15,700 J	16,300	27,500	30,200	46,600	51,600	21,100	24,400	39,500
Thallium	7440-28-0	0.5	< 10 U	< 10.0 U	< 10 U	18.6	< 10 U	< 10 U	26.1	17.2	< 10 U
Vanadium	7440-62-2	NC	< 50 U	2.9 J	< 50 U	5.2 J	< 50 U	< 50 U	< 50 U	4.6 J	< 50 U
Zinc	7440-66-6	2,000	< 20 U	12.9 J	< 20 U	10.7 J	43	20.9	44.6	< 20 U	21.3

Notes:
All units in micrograms per liter (µg/L)
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.
Exceeds NYS GW Class GA

Table 10D - Groundwater Results
Inorganics
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	OVR-120	OVR-121	OVR-121	OVR-122	OVR-122	OVR-123	OVR-123	OVR-124	OVR-124
		Sample ID	OVR-120-120816	OVR-121-081616	OVR-121-120616	OVR-122-081816	OVR-122-120716	OVR-123-081816	OVR-123-120716	OVR-124-081716	DUP-015-120716
		Sample Date	12/8/2016	8/16/2016	12/6/2016	8/18/2016	12/7/2016	8/18/2016	12/7/2016	8/17/2016	12/7/2016
		Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		Lab SDG	R1612845	R1608688	R1612714	R1608688	R1612845	R1608688	R1612845	R1608688	R1612845
Chemical Name	**CAS #**	**NYS GW CLASS GA[1]**									
Inorganics											
Aluminum	7429-90-5	NC	1,280	4,320	1,480	1,040	761	3,130	2,410	1,970 J	508
Antimony	7440-36-0	3	< 60 U	< 60 U	< 60.0 U	< 60 U	< 60 U	< 60 U	< 60 U	< 60 UJ	< 60 U
Arsenic	7440-38-2	25	< 10 U	< 10 U	< 10.0 U	< 10 U	< 10 U	22.4	13	< 10 UJ	< 10 U
Barium	7440-39-3	1,000	45.1	332	320	115	96.2	96.3	43.5	156 J	126
Beryllium	7440-41-7	3	< 3 U	< 30 U	< 3.0 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 UJ	< 3 U
Cadmium	7440-43-9	5	< 5 U	< 5 U	< 5.0 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 UJ	< 5 U
Calcium	7440-70-2	NC	187,000	114,000	113,000	117,000	115,000	200,000	187,000	137,000 J	131,000
Chromium	7440-47-3	50	< 10 U	< 10 U	1.6 J	< 10 U	< 10 U	< 10 U	< 10 U	< 10 UJ	< 10 U
Cobalt	7440-48-4	NC	< 50 U	< 50 U	< 50.0 U	< 50 U	< 50 U	< 50 U	1.7 J	< 50 UJ	< 50 U
Copper	7440-50-8	200	2.3 J	< 20 U	0.700 J	< 20 U	0.7 J	< 20 U	2.4 J	< 20 UJ	< 20 U
Cyanide	57-12-5	200	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 UJ	< 10 U
Iron	7439-89-6	300	4,640	6,860	2,480	5,350	4,100	12,500	5,290	7,640 J	4,850
Lead	7439-92-1	25	< 5 U	< 5 U	< 5.0 U	< 5 U	< 5 U	< 5 U	< 5 U	3.4 J	< 5 U
Magnesium	7439-95-4	35,000	46,800	41,800	37,500	55,500	48,400	108,000	90,800	84,400 J	70,600
Manganese	7439-96-5	300	478	641	567	1,480	1,230	1,960	950	3,340 J	2,840
Mercury	7439-97-6	0.7	< 0.2 U	< 0.2 U	< 0.200 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
Nickel	7440-02-0	100	< 40 U	< 40 U	< 40.0 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 UJ	< 40 U
Potassium	7440-09-7	NC	4,080	6,060	5,510	2,800	2,240	3,860	2,770	4,480 J	3,930
Potassium	9/7/7440	NC	NA	6,060	NA	2,800	NA	3,860	NA	4,480	NA
Selenium	7782-49-2	10	< 10 U	5.9 J	< 10.0 U	4.5 J	< 10 U	6.8 J	< 10 U	4.9 J	< 10 U
Silver	7440-22-4	50	< 10 U	< 10 U	< 10.0 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 UJ	< 10 U
Sodium	7440-23-5	20,000	37,600	39,800	41,300	27,900	27,600	36,100	15,000	18,700 J	21,700
Thallium	7440-28-0	0.5	< 10 U	< 10 U	< 10.0 U	< 10 U	< 10 U	< 10 U	2.5 J	< 10 UJ	< 10 U
Vanadium	7440-62-2	NC	3.2 J	< 50 U	2.5 J	< 50 U	1.7 J	< 50 U	7.3 J	< 50 UJ	1.3 J
Zinc	7440-66-6	2,000	< 20 U	22.1	6.8 J	6.3 J	< 20 U	19 J	< 20 U	18.8 J	< 20 U

Notes:
All units in micrograms per liter (µg/L)
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.
Exceeds NYS GW Class GA

Table 10D - Groundwater Results
Inorganics
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	OVR-124	OVR-125	OVR-125	OVR-126	OVR-126	OVR-127	OVR-127	OVR-128	OVR-128	OVR-129
		Sample ID	OVR-124-120716	OVR-125-081716	OVR-125-120616	OVR-126-081716	OVR-126-120616	OVR-127-081716	OVR-127-120616	OVR-128-081716	OVR-128-120716	OVR-129-081716
		Sample Date	12/7/2016	8/17/2016	12/6/2016	8/17/2016	12/6/2016	8/17/2016	12/6/2016	8/17/2016	12/7/2016	8/17/2016
		Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		Lab SDG	R1612845	R1608688	R1612714	R1608688	R1612714	R1608688	R1612714	R1608688	R1612845	R1608688
Chemical Name	**CAS #**	**NYS GW CLASS GA[1]**										
Inorganics												
Aluminum	7429-90-5	NC	512	2,390	1,090	370,000	6,950	1,310	1,880	2,300	3,840	115 J
Antimony	7440-36-0	3	< 60 U	< 60 U	< 60.0 U	< 60 U	< 60.0 U	< 60 U	< 60.0 U	< 60 U	< 60 U	< 60 UJ
Arsenic	7440-38-2	25	< 10 U	5.5 J	< 10.0 U	141	5.4 J	5.1 J	< 10.0 U	< 10 U	6.9 J	< 10 UJ
Barium	7440-39-3	1,000	132	102	91.3	1,890	258	43.1	41.4	201	188	109 J
Beryllium	7440-41-7	3	< 3 U	< 3 U	< 3.0 U	14.2	< 3.0 U	< 3 U	< 3.0 U	< 3 U	< 3 U	< 3 UJ
Cadmium	7440-43-9	5	< 5 U	< 5 U	< 5.0 U	10.5	< 5.0 U	< 5 U	< 5.0 U	< 5 U	< 5 U	< 5 UJ
Calcium	7440-70-2	NC	135,000	126,000	120,000	579,000	111,000	257,000	154,000	106,000	115,000	130,000 J
Chromium	7440-47-3	50	< 10 U	< 10 U	0.400 J	466	8.3 J	< 10 U	0.900 J	< 10 U	< 10 U	< 10 UJ
Cobalt	7440-48-4	NC	1.4 J	< 50 U	< 50.0 U	197	1.9 J	< 50 U	< 50.0 U	< 50 U	2.3 J	< 50 UJ
Copper	7440-50-8	200	1.2 J	< 20 U	1.3 J	484	6.3 J	< 20 U	1.8 J	< 20 U	6.6 J	< 20 UJ
Cyanide	57-12-5	200	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 UJ
Iron	7439-89-6	300	4,950	5,870	4,090	573,000	12,000	6,960	6,010	6,240	8,700	12,900 J
Lead	7439-92-1	25	< 5 U	< 5 U	< 5.0 U	335	3.7 J	< 5 U	3.1 J	6.4	13.9	12.4 J
Magnesium	7439-95-4	35,000	71,200	44,500	42,600	224,000	42,700	105,000	66,000	37,700	39,000	43,100 J
Manganese	7439-96-5	300	2,860	1,700	1,720	9,280	1,060	3,670	3,220	897	897	4,800 J
Mercury	7439-97-6	0.7	< 0.2 U	< 0.2 U	< 0.200 U	< 0.2 U	< 0.200 U	< 0.2 U	< 0.200 U	< 0.2 U	< 0.2 U	< 0.2 U
Nickel	7440-02-0	100	< 40 U	< 40 U	< 40.0 U	460	5.3 J	< 40 U	< 40.0 U	< 40 U	< 40 U	< 40 UJ
Potassium	7440-09-7	NC	4,040	2,440	2,110	70,300	5,550	4,470	4,070	3,920	4,010	2,780 J
Potassium	9/7/7440	NC	NA	2,440	NA	70,300	NA	4,470	NA	3,920	NA	2,780
Selenium	7782-49-2	10	< 10 U	4.8 J	< 10.0 U	23.6	< 10.0 U	7.8 J	< 10.0 U	4.2 J	< 10 U	4.7 J
Silver	7440-22-4	50	< 10 U	< 10 U	< 10.0 U	< 10 U	< 10.0 U	< 10 U	< 10.0 U	< 10 U	< 10 U	< 10 UJ
Sodium	7440-23-5	20,000	21,800	31,800	39,600	41,100	31,200	37,100	54,200	105,000	75,800	36,500 J
Thallium	7440-28-0	0.5	5.7 J	< 10 U	< 10.0 U	< 30 U	< 10.0 U	< 10 U	< 10.0 U	< 10 U	< 10 U	< 10 UJ
Vanadium	7440-62-2	NC	2.3 J	< 50 U	1.3 J	710	13.5 J	< 50 U	2.8 J	< 50 U	7.4 J	< 50 UJ
Zinc	7440-66-6	2,000	< 20 U	21.1	12.2 J	1,820	31.8	8.9 J	14.3 J	34.6	66.2	14.8 J

Notes:
All units in micrograms per liter (µg/L)
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.
Exceeds NYS GW Class GA

Table 10D - Groundwater Results
Inorganics
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	OVR-129	OVR-130	OVR-130	OVR-130	OVR-131	OVR-131	OVR-131	OVR-132	OVR-132
		Sample ID	OVR-129-120716	OVR-130-082316	DUP-016-121316	OVR-130-121316	DUP-012-082316	OVR-131-082316	OVR-131-121316	OVR-132-082316	OVR-132-121216
		Sample Date	12/7/2016	8/23/2016	12/13/2016	12/13/2016	8/23/2016	8/23/2016	12/13/2016	8/23/2016	12/12/2016
		Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		Lab SDG	R1612845	R1608915	R1613018	R1613018	R1608915	R1608915	R1613018	R1608915	R1613018
Chemical Name	CAS #	NYS GW CLASS GA[1]									
Inorganics											
Aluminum	7429-90-5	NC	491	1,050	244	213	341	383	805	14,900	6,180
Antimony	7440-36-0	3	< 60 U	< 60 U	< 60 U	< 60 U	< 60 U	< 60 U	< 60 U	< 60 U	< 60 U
Arsenic	7440-38-2	25	< 10 U	408	347	333	< 10 U	< 10 U	5.2 J	24.6	18.6
Barium	7440-39-3	1,000	98.6	299	225	222	120	121	173	289	214
Beryllium	7440-41-7	3	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	0.3 J
Cadmium	7440-43-9	5	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Calcium	7440-70-2	NC	130,000	207,000	169,000	174,000	122,000	122,000	154,000	157,000	174,000
Chromium	7440-47-3	50	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	16.6	< 10 U
Cobalt	7440-48-4	NC	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	5.7 J
Copper	7440-50-8	200	4.1 J	< 20 U	1.1 J	1.1 J	< 20 U	< 20 U	3.4 J	< 20 U	7.8 J
Cyanide	57-12-5	200	< 10 U	20	16 J	15 J	< 10 U	< 10 U	< 10 UJ	< 10 U	< 10 U
Iron	7439-89-6	300	13,200	4,020	1,550	1,500	2,970	3,030	7,050	33,300	24,700
Lead	7439-92-1	25	37	21.7	< 5 U	< 5 U	3.9 J	3.9 J	5.1	13.2	2.9 J
Magnesium	7439-95-4	35,000	38,100	67,900	56,500	56,300	37,800	38,000	49,400	40,200	41,500
Manganese	7439-96-5	300	4,150	399	340	336	394	400	610	2,470	3,400
Mercury	7439-97-6	0.7	< 0.2 U	0.246	< 0.2 U	0.065 J	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
Nickel	7440-02-0	100	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U
Potassium	7440-09-7	NC	3,080	6,590	6,070	5,980	5,540	5,600	6,350	9,630	7,570
Potassium	9/7/7440	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	7782-49-2	10	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Silver	7440-22-4	50	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Sodium	7440-23-5	20,000	36,800	50,700	39,100	38,500	95,900	96,400	60,500	15,600	15,900
Thallium	7440-28-0	0.5	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Vanadium	7440-62-2	NC	1.4 J	< 50 U	1.7 J	1.7 J	< 50 U	< 50 U	3.3 J	< 50 U	13.3 J
Zinc	7440-66-6	2,000	41.7	49.4	11.9 J	10.6 J	9.8 J	10.6 J	27.6	79.5	35.1

Notes:
All units in micrograms per liter (µg/L)
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
B - Indicates the analyte is detected in the associated blank as well as in the sample
T - Indicates that a quality control parameter has exceeded laboratory limits
J - Estimated value
JN - Detection is tentative in identification and estimated in value
[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.
Exceeds NYS GW Class GA

Table 12A - Soil Vapor Analytical Results
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

	Sample Location	SV-100	SV-101	SV-102	SV-103	SV-104	SV-105	SV-106	SV-107	SV-107
	Sample ID	SV-100-081817	SV-101-081817	SV-102-081817	SV-103-081817	SV-104-081817	SV-105-081817	SV-106-081817	DUP-014-081817	SV-107-081817
	Sample Date	8/18/2017	8/18/2017	8/18/2017	8/18/2017	8/18/2017	8/18/2017	8/18/2017	8/18/2017	8/18/2017
	Unit	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3
chemical_name	cas_rn									
VOCs										
1,1,1-Trichloroethane	71-55-6	0.81 U	0.83 U	0.75 U	0.76 U	0.64 U	0.79 U	0.78 U	2.2	2.1
1,1,2,2-Tetrachloroethane	79-34-5	0.81 U	0.83 U	0.75 U	0.76 U	0.64 U	0.79 U	0.78 U	0.8 U	0.77 U
1,1,2-Trichloroethane	79-00-5	0.81 U	0.83 U	0.75 U	0.76 U	0.64 U	0.79 U	0.78 U	0.8 U	0.77 U
1,1-Dichloroethane	75-34-3	0.81 U	0.83 U	0.75 U	0.76 U	0.64 U	0.79 U	0.78 U	0.8 U	0.77 U
1,1-Dichloroethene	75-35-4	0.81 U	0.83 U	0.75 U	0.76 U	0.64 U	0.79 U	0.78 U	0.8 U	0.77 U
1,2,4-Trichlorobenzene	120-82-1	0.81 U	0.83 U	0.75 U	0.76 U	0.64 U	0.79 U	0.78 U	0.8 U	0.77 U
1,2,4-Trimethylbenzene	95-63-6	5.7	6.4	15	5.2	0.64 U	5.6	5.4	4.6	2.8
1,2-Dibromoethane	106-93-4	0.81 U	0.83 U	0.75 U	0.76 U	0.64 U	0.79 U	0.78 U	0.8 U	0.77 U
1,2-Dichlorobenzene	95-50-1	0.81 U	0.83 U	0.75 U	0.76 U	0.64 U	0.79 U	0.78 U	0.8 U	0.77 U
1,2-Dichloroethane	107-06-2	0.81 U	0.83 U	0.75 U	0.76 U	0.64 U	0.79 U	0.78 U	0.8 U	0.77 U
1,2-Dichloropropane	78-87-5	0.81 U	0.83 U	0.75 U	0.76 U	0.64 U	0.79 U	0.78 U	0.8 U	0.77 U
1,3,5-Trimethylbenzene	108-67-8	1.8	1.7	4.1	1.6	0.64 U	1.6	1.7	1.3	1
1,3-Butadiene	106-99-0	0.81 U	0.83 U	0.75 U	0.76 U	0.64 U	0.79 U	0.78 U	0.8 U	0.77 U
1,3-Dichlorobenzene	541-73-1	0.81 U	0.83 U		0.76 U	0.64 U	0.79 U	0.78 U	0.8 U	0.77 U
1,4-Dichlorobenzene	106-46-7	0.81 U	0.83 U	0.75 U	0.76 U	0.64 U	0.79 U	0.78 U	0.8 U	0.77 U
1,4-Dioxane	123-91-1	0.81 U	0.83 U	0.75 U	0.76 U	0.64 U	0.79 U	0.78 U	0.8 U	0.77 U
2,2,4-Trimethylpentan	540-84-1	0.81 U	0.83 U	0.75 U	0.76 U	0.64 U	0.79 U	0.78 U	0.8 U	0.77 U
2-Butanone	78-93-3	8.1 U	8.3 U	7.5 U	7.6 U	6.4 U	7.9 U	7.8 U	8 U	7.7 U
2-Hexanone	591-78-6	0.81 U	0.83 U	0.75 U	0.76 U	0.64 U	0.79 U	0.78 U	0.8 U	0.77 U
3-Chloropropene	107-05-1	0.81 U	0.83 U	0.75 U	0.76 U	0.64 U	0.79 U	0.78 U	0.8 U	0.77 U
4-Ethyltoluene	622-96-8	1.2	1.4	2.1	1.2	0.64 U	1.2	1.2	1	0.86
4-Methyl-2-Pentanone	108-10-1	0.89	1.1	0.75 U	0.76 U	0.64 U	0.79 U	1.3	0.8 U	0.77 U
Acetone	67-64-1	13	8.3 U	13	7.6 U	21	7.9 U	9.7	11	7.7 U
Benzene	71-43-2	1.7	1	0.85	1.2	0.87	1.1	1.7	0.9	0.95
Bromodichloromethane	75-27-4	0.81 U	0.83 U	0.75 U	0.76 U	0.64 U	0.79 U	0.78 U	0.8 U	0.77 U
Bromoethene	593-60-2	0.81 U,X	0.83 U,X	0.75 U,X	0.76 U,X	0.64 U,X	0.79 U,X	0.78 U,X	0.8 U,X	0.77 U,X
Bromoform	75-25-2	1.6	1.2	1	1.4	0.64 U	1.5	1.4	1.1	1.1
Bromomethane	74-83-9	0.81 U	0.83 U	0.75 U	0.76 U	0.64 U	0.79 U	0.78 U	0.8 U	0.77 U
Carbon disulfide	75-15-0	8.1 U	8.3 U	45	7.6 U	8.7	7.9 U	7.8 U	8 U	7.7 U

Notes:

µg/m^3 - micrograms per cubic meter

X - Analytes are not included on the NELAP or DoD-ELAP accreditation.

U - Not detected at the detection limit shown

J - Estimated value

V - The continuing calibration verification standard was outside (biased high) the specified limits for this compound.

Table 12A - Soil Vapor Analytical Results
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

	Sample Location	SV-100	SV-101	SV-102	SV-103	SV-104	SV-105	SV-106	SV-107	SV-107
	Sample ID	SV-100-081817	SV-101-081817	SV-102-081817	SV-103-081817	SV-104-081817	SV-105-081817	SV-106-081817	DUP-014-081817	SV-107-081817
	Sample Date	8/18/2017	8/18/2017	8/18/2017	8/18/2017	8/18/2017	8/18/2017	8/18/2017	8/18/2017	8/18/2017
	Unit	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3
chemical_name	cas_rn									
VOCs										
Carbon Tetrachloride	56-23-5	0.81 U	0.83 U	0.75 U	0.76 U	0.64 U	0.79 U	0.78 U	0.8 U	0.77 U
Chlorobenzene	108-90-7	0.81 U	0.83 U	0.75 U	0.76 U	0.64 U	0.79 U	0.78 U	0.8 U	0.77 U
Chloroethane	75-00-3	0.81 U	0.83 U	0.75 U	0.76 U	0.64 U	0.79 U	0.78 U	0.8 U	0.77 U
Chloroform	67-66-3	0.81 U	0.83 U	0.98	1.2	0.64 U	4.1	0.78 U	5.3	5.4
Chloromethane	74-87-3	0.81 U	0.83 U	0.75 U	0.76 U	0.64 U	0.79 U	0.78 U	0.8 U	0.77 U
cis-1,2-Dichloroethene	156-59-2	0.81 U	0.83 U	0.75 U	0.76 U	0.64 U	0.79 U	0.78 U	0.8 U	0.77 U
Cis-1,3-Dichloropropene	10061-01-5	0.81 U	0.83 U	0.75 U	0.76 U	0.64 U	0.79 U	0.78 U	0.8 U	0.77 U
Cyclohexane	110-82-7	1.6 U	1.7 U	1.5 U	1.5 U	1.3 U	1.6 U	1.6 U	1.6 U	1.5 U
Dibromochloromethane	124-48-1	0.81 U	0.83 U	0.75 U	0.76 U	0.64 U	0.79 U	0.78 U	0.8 U	0.77 U
Dichlorodifluoromethane	75-71-8	2.2	2	1.8	1.9	1.9	3.3	2	2	2
Ethylbenzene	100-41-4	4.9	3.9	3.4	4.4	1.1	4.1	4.4	3.3	3.2
Freon-114	76-14-2	0.81 U	0.83 U	0.75 U	0.76 U	0.64 U	0.79 U	0.78 U	0.8 U	0.77 U
Heptane	142-82-5	2	0.88	0.75 U	0.97	0.66	1	1.8	0.93	0.88
Hexachlorobutadiene	87-68-3	0.81 U	0.83 U	0.75 U	0.76 U	0.64 U	0.79 U	0.78 U	0.8 U	0.77 U
Hexane	110-54-3	2.1	0.9	0.75 U	1.1	0.9	0.99	1.9	1	0.95
Isopropyl Alcohol	67-63-0	8.1 U	8.3 U	7.5 U	7.6 U	6.4 U	7.9 U	7.8 U	8 U	7.7 U
m,p-Xylene	XYLMP	11	9.3	8.4	10	1.5	9.6	11	7.9	7.6
Methylene Chloride	75-09-2	0.81 U	0.83 U	0.75 U	0.76 U	0.64 U	0.79 U	0.78 U	0.8 U	0.77 U
Methylmethacrylate	80-62-6	2.9	2.1	1.6	2.5	1.3	2.4	2.4	1.7	1.7
MTBE	1634-04-4	0.81 U	0.83 U	0.75 U	0.76 U	0.64 U	0.79 U	0.78 U	0.8 U	0.77 U
Naphthalene	91-20-3	2.3 V	1.7 V	3 V	2.4 V	0.64 U	2.5 V	1.9 V	2.1 V	0.77 U
o-Chlorotoluene	95-49-8	0.81 U,X	0.83 U,X	0.75 U,X	0.76 U,X	0.64 U,X	0.79 U,X	0.78 U,X	0.8 U,X	0.77 U,X
o-Xylene	95-47-6	5.8	4.7	4.1	5.2	0.64 U	4.9	5.5	4	3.8
Styrene	100-42-5	28	22	14	27	0.75	25	25	20	18
t-Butyl alcohol	75-65-0	1.6 U	1.7 U	1.5 U	1.5 U	1.3 U	1.6 U	1.6 U	1.6 U	1.5 U
Tetrachloroethene	127-18-4	1.8	1.3	1.9	1.3	1.5	1.3	1.4	1.2	1.2
Tetrahydrofuran	109-99-9	0.81 U	0.85	0.75 U	0.76 U	0.64 U	0.79 U	0.78 U	0.8 U	0.77 U
Toluene	108-88-3	33	26	19	30	12	27	31	21	21
trans-1,2-Dichloroethene	156-60-5	0.81 U	0.83 U	0.75 U	0.76 U	0.64 U	0.79 U	0.78 U	0.8 U	0.77 U
Trans-1,3-Dichloropropene	10061-02-6	0.81 U	0.83 U	0.75 U	0.76 U	0.64 U	0.79 U	0.78 U	0.8 U	0.77 U
Trichloroethene	79-01-6	0.16 U	0.17 U	0.15 U	0.15 U	0.47	0.16 U	0.18	0.22	0.22
Trichlorofluoromethane	75-69-4	2	1.2	1	1.2	1.1	1.4	1.3	1.3	1.3
Trichlorotrifluoroethane	26523-64-8	0.81 U	0.83 U	0.75 U	0.76 U	0.64 U	0.79 U	0.78 U	0.8 U	0.77 U
Vinyl Chloride	75-01-4	0.81 U	0.83 U	0.75 U	0.76 U	0.64 U	0.79 U	0.78 U	0.8 U	0.77 U

Notes:

µg/m^3 - micrograms per cubic meter

X - Analytes are not included on the NELAP or DoD-ELAP accreditation.

U - Not detected at the detection limit shown

J - Estimated value

V - The continuing calibration verification standard was outside (biased high) the specified limits for this compound.

Table 12B - Groundwater VOC Analytical Results - Soil Vapor Correlation
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	GW-101	GW-102	GW-103	GW-103	GW-104	GW-105	GW-106	GW-107	GW-108
		Sample ID	GW-101-082217	GW-102-082217	DUP-013-082217	GW-103-082217	GW-104-082217	GW-105-082217	GW-106-082217	GW-107-082217	GW-108-082217
		Sample Date	8/22/2017	8/22/2017	8/22/2017	8/22/2017	8/22/2017	8/22/2017	8/22/2017	8/22/2017	8/22/2017
		Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
CHEMICAL_NAME	CAS_RN	NYS GW CLASS GA[1]									
VOCs											
1,1,1-Trichloroethane	71-55-6	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	79-34-5	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	79-00-5	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	75-34-3	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	75-35-4	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	87-61-6	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	120-82-1	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	95-63-6	5	0.24 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.32 J
1,2-Dibromo-3-chloropropane	96-12-8	0.04	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2-Dibromoethane	106-93-4	0.0006	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	95-50-1	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	107-06-2	0.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	78-87-5	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	108-67-8	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	541-73-1	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	106-46-7	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dioxane	123-91-1	NC	40 R	40 R	40 R	40 R	40 R	40 R	40 R	40 R	40 R
2-Butanone	78-93-3	50	1.4 J	1.5 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone	591-78-6	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Isopropyltoluene	99-87-6	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
4-Methyl-2-Pentanone	108-10-1	NC	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	67-64-1	50	5.7 U	6.6	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	71-43-2	1	**1.2**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.72 J
Bromochloromethane	74-97-5	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	75-27-4	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	75-25-2	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	74-83-9	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	75-15-0	60	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Notes:

All units in micrograms per liter (µg/L)

R - Result rejected during validation due to QA/QC excursion.

U - Not detected at the detection limit shown

J - Estimated value

[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.

Exceeds NYS GW Class GA

Table 12B - Groundwater VOC Analytical Results - Soil Vapor Correlation
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

		Sample Location	GW-101	GW-102	GW-103	GW-103	GW-104	GW-105	GW-106	GW-107	GW-108
		Sample ID	GW-101-082217	GW-102-082217	DUP-013-082217	GW-103-082217	GW-104-082217	GW-105-082217	GW-106-082217	GW-107-082217	GW-108-082217
		Sample Date	8/22/2017	8/22/2017	8/22/2017	8/22/2017	8/22/2017	8/22/2017	8/22/2017	8/22/2017	8/22/2017
		Unit	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
CHEMICAL_NAME	CAS_RN	NYS GW CLASS GA[1]									
VOCs											
Carbon Tetrachloride	56-23-5	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	108-90-7	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	75-00-3	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	67-66-3	7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	74-87-3	5	0.23 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	156-59-2	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cis-1,3-Dichloropropene	10061-01-5	0.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cyclohexane	110-82-7	NC	0.6 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.71 J
Dibromochloromethane	124-48-1	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	75-71-8	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	100-41-4	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene	98-82-8	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
m,p-Xylene	XYLMP	NC	0.85 J	2 U	2 U	2 U	2 U	2 U	2 U	2 U	0.77 J
Methyl Acetate	79-20-9	NC	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Methylcyclohexane	108-87-2	NC	0.54 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.87 J
Methylene Chloride	75-09-2	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl tert-butyl ether (MTBE)	1634-04-4	10	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
n-Butylbenzene	104-51-8	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
n-Propylbenzene	103-65-1	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	95-47-6	5	0.33 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.25 J
sec-Butylbenzene	135-98-8	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	100-42-5	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tert-Butylbenzene	98-06-6	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	127-18-4	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	108-88-3	5	1.7	0.25 J	1 U	1 U	1 U	1 U	1 U	1 U	0.95 J
trans-1,2-Dichloroethene	156-60-5	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trans-1,3-Dichloropropene	10061-02-6	0.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	79-01-6	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	75-69-4	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichlorotrifluoroethane	26523-64-8	NC	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	75-01-4	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Notes:

All units in micrograms per liter (µg/L)

R - Result rejected during validation due to QA/QC excursion.

U - Not detected at the detection limit shown

J - Estimated value

[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.

Exceeds NYS GW Class GA

Table 12C - Subsurface Soil VOC Analytical Results - Soil Vapor Correlation
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

				Sample Location	SB-102	SB-112	SB-172	SB-173	SB-174
				Sample ID	SB-102-4.0-6.0-090717	SB-112-0.5-2.0-090717	SB-172-8.5-9.7-090717	SB-173-12-15-090717	SB-174-12.5-15-090717
				Sample Date	9/7/2017	9/7/2017	9/7/2017	9/7/2017	9/7/2017
				Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
				Start Depth	4	0.5	8.5	12	12.5
				End Depth	6	2	9.7	15	15
CHEMICAL_NAME	CAS_RN	NY Part 375 Residential SCO[1]	NY Part 375 Restricted Residential SCO[1]	NY Part 375 Unrestricted SCO[1]					
VOCs									
1,1,1-Trichloroethane	71-55-6	100	100	0.68	0.0036 U	0.0044 U	0.0042 U	0.0042 U	0.0042 U
1,1,2,2-Tetrachloroethane	79-34-5	35[CP]	NC	NC	0.0036 U	0.0044 U	0.0042 U	0.0042 U	0.0042 U
1,1,2-Trichloroethane	79-00-5	NC	NC	NC	0.0036 U	0.0044 U	0.0042 U	0.0042 U	0.0042 U
1,1-Dichloroethane	75-34-3	19	26	0.27	0.0036 U	0.0044 U	0.0042 U	0.0042 U	0.0042 U
1,1-Dichloroethene	75-35-4	100	100	0.33	0.0036 U	0.0044 U	0.0042 U	0.0042 U	0.0042 U
1,2,3-Trichlorobenzene	87-61-6	NC	NC	NC	0.0036 U	0.0044 U	0.0042 U	0.0042 U	0.0042 U
1,2,4-Trichlorobenzene	120-82-1	NC	NC	NC	0.0036 U	0.0044 U	0.0042 U	0.0042 U	0.0042 U
1,2,4-Trimethylbenzene	95-63-6	47	52	3.6	0.0036 U	0.0044 U	0.0042 U	0.0042 U	0.0042 U
1,2-Dibromo-3-chloropropane	96-12-8	NC	NC	NC	0.0036 UJ	0.0044 UJ	0.0042 UJ	0.0042 UJ	0.0042 UJ
1,2-Dibromoethane	106-93-4	NC	NC	NC	0.0036 U	0.0044 U	0.0042 U	0.0042 U	0.0042 U
1,2-Dichlorobenzene	95-50-1	100	100	1.1	0.0036 U	0.0044 U	0.0042 U	0.0042 U	0.0042 U
1,2-Dichloroethane	107-06-2	2.3	3.1	0.02	0.0036 U	0.0044 U	0.0042 U	0.0042 U	0.0042 U
1,2-Dichloropropane	78-87-5	NC	NC	NC	0.0036 U	0.0044 U	0.0042 U	0.0042 U	0.0042 U
1,3,5-Trimethylbenzene	108-67-8	47	52	8.4	0.0036 U	0.0044 U	0.0042 U	0.0042 U	0.0042 U
1,3-Dichlorobenzene	541-73-1	17	49	2.4	0.0036 U	0.0044 U	0.0042 U	0.0042 U	0.0042 U
1,4-Dichlorobenzene	106-46-7	9.8	13	1.8	0.0036 U	0.0044 U	0.0042 U	0.0042 U	0.0042 U
1,4-Dioxane	123-91-1	9.8	13	0.1	0.073 R	0.088 R	0.084 R	0.084 R	0.084 R
2-Butanone (MEK)	78-93-3	100 100[CP]	100	0.12	0.0036 U	0.0044 U	0.0038 J	0.0042 U	0.0042 U
2-Hexanone	591-78-6	NC	NC	NC	0.0036 U	0.0044 U	0.0042 U	0.0042 U	0.0042 U
4-Isopropyltoluene	99-87-6	NC	NC	NC	0.0036 U	0.0044 U	0.0042 U	0.0042 U	0.0042 U
4-Methyl-2-Pentanone	108-10-1	NC	NC	NC	0.0036 U	0.0044 U	0.0042 U	0.0042 U	0.0042 U
Acetone	67-64-1	100	100	0.05	0.0036 U	0.0044 U	0.024	0.0042 U	0.0042 U
Benzene	71-43-2	2.9	4.8	0.06	0.0036 U	0.0044 U	0.0042 U	0.0042 U	0.0042 U
Bromochloromethane	74-97-5	NC	NC	NC	0.0036 U	0.0044 U	0.0042 U	0.0042 U	0.0042 U
Bromodichloromethane	75-27-4	NC	NC	NC	0.0036 U	0.0044 U	0.0042 U	0.0042 U	0.0042 U
Bromoform	75-25-2	NC	NC	NC	0.0036 U	0.0044 U	0.0042 U	0.0042 U	0.0042 U

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
mg/kg - milligrams per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
J - Estimated value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.

Exceeds Residential Use SCO listed in Part 375 or CP-51
Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.
Exceeds Unrestricted SCO listed in Part 375.

Table 12C - Subsurface Soil VOC Analytical Results - Soil Vapor Correlation
Portion of Former Vacuum Oil Refinery
Rochester, New York
Site No. C828190

				Sample Location	SB-102	SB-112	SB-172	SB-173	SB-174
				Sample ID	SB-102-4.0-6.0-090717	SB-112-0.5-2.0-090717	SB-172-8.5-9.7-090717	SB-173-12-15-090717	SB-174-12.5-15-090717
				Sample Date	9/7/2017	9/7/2017	9/7/2017	9/7/2017	9/7/2017
				Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
				Start Depth	4	0.5	8.5	12	12.5
				End Depth	6	2	9.7	15	15
CHEMICAL_NAME	CAS_RN	NY Part 375 Residential SCO[1]	NY Part 375 Restricted Residential SCO[1]	NY Part 375 Unrestricted SCO[1]					
VOCs									
Bromomethane	74-83-9	NC	NC	NC	0.0036 UJ	0.0044 UJ	0.0042 UJ	0.0042 UJ	0.0042 UJ
Carbon disulfide	75-15-0	100[CP]	NC	NC	0.0036 U	0.0044 U	0.0042 U	0.0042 U	0.0042 U
Carbon Tetrachloride	56-23-5	1.4	2.4	0.76	0.0036 U	0.0044 U	0.0042 U	0.0042 U	0.0042 U
Chlorobenzene	108-90-7	100	100	1.1	0.0036 U	0.0044 U	0.0042 U	0.0042 U	0.0042 U
Chloroethane	75-00-3	NC	NC	NC	0.0036 UJ	0.0044 UJ	0.0042 UJ	0.0042 UJ	0.0042 UJ
Chloroform	67-66-3	10	49	0.37	0.0036 U	0.0044 U	0.0042 U	0.0042 U	0.0042 U
Chloromethane	74-87-3	NC	NC	NC	0.0036 U	0.0044 U	0.0042 U	0.0042 U	0.0042 U
cis-1,2-Dichloroethene	156-59-2	59	100	0.25	0.0036 U	0.0044 U	0.0042 U	0.0042 U	0.0042 U
Cis-1,3-Dichloropropene	10061-01-5	NC	NC	NC	0.0036 U	0.0044 U	0.0042 U	0.0042 U	0.0042 U
Cyclohexane	110-82-7	NC	NC	NC	0.0036 U	0.0044 U	0.0042 U	0.0042 U	0.0042 U
Dibromochloromethane	124-48-1	NC	NC	NC	0.0036 U	0.0044 U	0.0042 U	0.0042 U	0.0042 U
Dichlorodifluoromethane	75-71-8	NC	NC	NC	0.0036 U	0.0044 U	0.0042 U	0.0042 U	0.0042 U
Ethylbenzene	100-41-4	30	41	1	0.0036 U	0.0044 U	0.0042 U	0.0042 U	0.0042 U
Isopropylbenzene	98-82-8	100[CP]	NC	NC	0.0036 U	0.0044 U	0.0042 U	0.0042 U	0.0042 U
m,p-Xylene	XYLMP	NC	NC	NC	0.0073 U	0.0088 U	0.0084 U	0.0084 U	0.0084 U
Methyl Acetate	79-20-9	NC	NC	NC	0.0036 U	0.0044 U	0.0042 U	0.0042 U	0.0042 U
Methylcyclohexane	108-87-2	NC	NC	NC	0.0036 U	0.0044 U	0.0042 U	0.0042 U	0.0042 U
Methylene Chloride	75-09-2	51	100	0.05	0.0036 U	0.0044 U	0.0042 U	0.0042 U	0.0042 U
MTBE	1634-04-4	62	100	0.93	0.0036 U	0.0044 U	0.0042 U	0.0042 U	0.0042 U
n-Butylbenzene	104-51-8	100	100	12	0.0036 U	0.0044 U	0.0042 U	0.0042 U	0.0042 U
n-Propylbenzene	103-65-1	100	100	3.9	0.0036 U	0.0044 U	0.0042 U	0.0042 U	0.0042 U
o-Xylene	95-47-6	NC	NC	NC	0.0036 U	0.0044 U	0.0042 U	0.0042 U	0.0042 U
sec-Butylbenzene	135-98-8	100	100	11	0.0036 U	0.0044 U	0.0042 U	0.0042 U	0.0042 U
Styrene	100-42-5	NC	NC	NC	0.0036 U	0.0044 U	0.0042 U	0.0042 U	0.0042 U
Tert-Butylbenzene	98-06-6	100	100	5.9	0.0036 U	0.0044 U	0.0042 U	0.0042 U	0.0042 U
Tetrachloroethene	127-18-4	5.5	19	1.3	0.0036 U	0.0044 U	0.0042 U	0.0042 U	0.0042 U
Toluene	108-88-3	100	100	0.7	0.0036 U	0.0044 U	0.0042 U	0.0042 U	0.0042 U
trans-1,2-Dichloroethene	156-60-5	100	100	0.19	0.0036 U	0.0044 U	0.0042 U	0.0042 U	0.0042 U
Trans-1,3-Dichloropropene	10061-02-6	NC	NC	NC	0.0036 U	0.0044 U	0.0042 U	0.0042 U	0.0042 U
Trichloroethene	79-01-6	10	21	0.47	0.0036 U	0.0044 U	0.0042 U	0.0042 U	0.0042 U
Trichlorofluoromethane	75-69-4	NC	NC	NC	0.0036 U	0.0044 U	0.0042 U	0.0042 U	0.0042 U
Trichlorotrifluoroethane	26523-64-8	NC	NC	NC	0.0036 U	0.0044 U	0.0042 U	0.0042 U	0.0042 U
Vinyl Chloride	75-01-4	0.21	0.9	0.02	0.0036 U	0.0044 U	0.0042 U	0.0042 U	0.0042 U
Total VOC TICs	NA	NC	NC	NC	NT	NT	NT	NT	NT

Notes:
NC - No criteria exists, NA - Not Available
NT - No TICs identified
Sample Type Code: N-Normal, FD-Field Duplicate
START and END DEPTH - feet below ground surface
mg/kg - milligrams per kilogram
R - Result rejected during validation due to QA/QC excursion.
U - Not detected at the detection limit shown
J - Estimated value
[CP] - Residential criteria obtained from CP-51: Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Residential, October 21, 2010.
[1] 6 NYCRR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, December 14, 2006.

	Exceeds Residential Use SCO listed in Part 375 or CP-51
	Concentration exceeds Part 375 Residential, Restricted Residential SCOs and CP-51 PCB Guidance values.
	Exceeds Unrestricted SCO listed in Part 375.