TABLE 1

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:			***BH1-13***	***BH2-13***	***BH3-13***	***BH4-13***	***BH5-13***	***BH6-13***	***BH7-13***	***BH8-13***	***BH9-13***
Sample ID:			***GW-38443-061313-SM-016***	***GW-038443-061413-SM-021***	***GW-038443-061413-SM-020***	***GW-038443-061413-SM-022***	***GW-038443-061413-SM-019***	***GW-38443-061313-GL-017***	***GW-38443-061213-GL-011***	***GW-38443-061313-GL-014***	***GW-38443-061113-GL-001***
Sample Date:			***6/13/2013***	***6/14/2013***	***6/14/2013***	***6/14/2013***	***6/14/2013***	***6/13/2013***	***6/12/2013***	***6/13/2013***	***6/11/2013***
Sample Depth:	***USEPA Regional Screening Levels [1]***		***22.5-26.5 ft BGS***	***21.5-25.5 ft BGS***	***22.75-26.75 ft BGS***	***21.3-25.3 ft BGS***	***21-25 ft BGS***	***22-26 ft BGS***	***22-26 ft BGS***	***22.5-26.5 ft BGS***	***21.5-25.5 ft BGS***
Parameter	***MCL***	***Tap Water***									
	a	***b***									
Volatile Organic Compounds											
1,1,1-Trichloroethane	200	7500	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	-	0.066	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	5	0.24	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

TABLE 1

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:			***BH10-13***	***BH11-13***	***BH12-13***	***BH13-13***	***BH14-13***	***BH15-13***	***BH16-13***	***BH16-13***	***BH16-13***
Sample ID:			***GW-38443-061113-SM-002***	***GW-38443-061113-GL-003***	***GW-38443-061113-SM-006***	***GW-38443-061213-SM-007***	***GW-38443-061113-GL-005***	***GW-38443-061213-GL-013***	***GW-38443-061213-GL-008***	***GW-38443-061213-GL-009***	***GW-38443-071013-JT-108***
Sample Date:			***6/11/2013***	***6/11/2013***	***6/11/2013***	***6/12/2013***	***6/11/2013***	***6/12/2013***	***6/12/2013***	***6/12/2013***	***7/10/2013***
Sample Depth:	***USEPA Regional Screening Levels [1]***		***21.5-25.5 ft BGS***	***21.5-25.5 ft BGS***	***21.5-25.5 ft BGS***	***21.5-25.5 ft BGS***	***21.5-25.5 ft BGS***	***21.5-25.5 ft BGS***	***21.5-25.5 ft BGS***	***21.5-25.5 ft BGS***	***29.5-33.5 ft BGS***
										Duplicate	
Parameter	***MCL***	***Tap Water***									
	a	***b***									
Volatile Organic Compounds											
1,1,1-Trichloroethane	200	7500	1.0 U	1.0 U	0.26 J	0.53 J	0.32 J	1.0 U	1.0 U	1.0 U	2.0 U
1,1,2,2-Tetrachloroethane	-	0.066	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 UJ
1,1,2-Trichloroethane	5	0.24	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U

TABLE 1

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:			***BH17-13***	***BH17-13***	***BH18-13***	***BH18-13***	***BH18-13***	***BH19-13***	***BH20-13***	***BH20-13***	***BH21-13***
Sample ID:			***GW-38443-061213-SM-010***	***GW-38443-071013-JT-107***	***GW-38443-061213-SM-012***	***GW-38443-070913-JT-105***	***GW-38443-070913-JT-106***	***GW-38443-061313-SM-015***	***WG-38443-061713-SM-023***	***WG-38443-061713-SM-024***	***WG-38443-061713-SM-025***
Sample Date:			***6/12/2013***	***7/10/2013***	***6/12/2013***	***7/9/2013***	***7/9/2013***	***6/13/2013***	***6/17/2013***	***6/17/2013***	***6/17/2013***
Sample Depth:	***USEPA Regional Screening Levels [1)]***		***21.5-25.5 ft BGS***	***29.5-33.5 ft BGS***	***21.5-25.5 ft BGS***	***29.5-33.5 ft BGS***	***29.5-33.5 ft BGS***	***19.25-23.25 ft BGS***	***20.5-24.5 ft BGS***	***20.5-24.5 ft BGS***	***19.25-23.25 ft BGS***
							Duplicate			***Duplicate***	
Parameter	***MCL***	***Tap Water***									
	a	***b***									
Volatile Organic Compounds											
1,1,1-Trichloroethane	200	7500	1.0 U	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	-	0.066	1.0 U	2.9 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	5	0.24	1.0 U	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

TABLE 1

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:			***BH22-13***	***BH23-13***	***BH24-13***	***BH24-13***	***BH25-13***	***BH30-13***	***BH31-13***	***BH32-13***	***BH32-13***
Sample ID:			***WG-38443-061713-SM-026***	***WG-38443-061813-SM-031***	***WG-38443-061813-SM-027***	***WG-38443-061813-SM-028***	***WG-38443-061813-SM-029***	***GW-38443-070313-SK-097***	***GW-38443-070113-SK-086***	***GW-38443-070213-SK-093***	***GW-38443-070213-SK-094***
Sample Date:			***6/17/2013***	***6/18/2013***	***6/18/2013***	***6/18/2013***	***6/18/2013***	***7/3/2013***	***7/1/2013***	***7/2/2013***	***7/2/2013***
Sample Depth:	***USEPA Regional Screening Levels [1]***		***21.5-25.5 ft BGS***	***20.5-24.5 ft BGS***	***20.6-24.6 ft BGS***	***20.6-24.6 ft BGS***	***21.75-25.75 ft BGS***	***32.5-36.5 ft BGS***	***29.5-33.5 ft BGS***	***29.5-33.5 ft BGS***	***29.5-33.5 ft BGS***
						Duplicate					***Duplicate***
Parameter	***MCL***	***Tap Water***									
	a	***b***									
Volatile Organic Compounds											
1,1,1-Trichloroethane	200	7500	1.0 U	1.0 U	1.0 U	1.0 U	0.67 J	1.4 U	2.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	-	0.066	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	5	0.24	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U

TABLE 1

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:			***BH33-13***	***BH34-13***	***BH35-13***	***BH36-13***	***BH37-13***	***BH38-13***	***BH39-13***	***BH40-13***	***BH42-13***
Sample ID:			***GW-038443-062713-SM-078***	***GW-038443-062713-SM-081***	***GW-38443-062813-SM-083***	***GW-38443-070213-SK-087***	***GW-38443-070313-SK-095***	***GW-38443-062813-SM-082***	***GW-38443-070113-SK-085***	***GW-38443-070213-SK-089***	***GW-38443-070813-JT-098***
Sample Date:			***6/27/2013***	***6/27/2013***	***6/28/2013***	***7/2/2013***	***7/3/2013***	***6/28/2013***	***7/1/2013***	***7/2/2013***	***7/8/2013***
Sample Depth:	***USEPA Regional Screening Levels [1]***		***26-30 ft BGS***	***27.5-31.5 ft BGS***	***27.5-31.5 ft BGS***	***33-37 ft BGS***	***28-32 ft BGS***	***28.5 - 32.5 ft BGS***	***31-25 ft BGS***	***31.5-35.5 ft BGS***	***33-37 ft BGS***
Parameter	***MCL***	***Tap Water***									
	a	***b***									
Volatile Organic Compounds											
1,1,1-Trichloroethane	200	7500	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	-	0.066	5.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ
1,1,2-Trichloroethane	5	0.24	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

TABLE 1

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:			***BH43-13***	***BH44-13***	***BH46-13***	***BH46B-13***	***BH48B-13***	***BH49-13***	***BH51-13***	***BH52-13***	***BH53-13***
Sample ID:			***GW-38443-070213-SK-090***	***GW-38443-070213-SK-091***	***GW-38443-070213-SK-092***	***GW-38443-070313-SK-096***	***GW-38443-070813-JT-099***	***WG-38443-061813-SM-032***	***WG-38443-062113-SM-058***	***WG-38443-061913-SM-041***	***WG-38443-061813-SM-034***
Sample Date:			***7/2/2013***	***7/2/2013***	***7/2/2013***	***7/3/2013***	***7/8/2013***	***6/18/2013***	***6/21/2013***	***6/19/2013***	***6/18/2013***
Sample Depth:	***USEPA Regional Screening Levels [1)]***		***28.5-32.5 ft BGS***	***38.5-42.5 ft BGS***	***31-35 ft BGS***	***29-33 ft BGS***	***30-34 ft BGS***	***21.5-25.5 ft BGS***	***22.5-26.5 ft BGS***	***24.8-28.8 ft BGS***	***22-26 ft BGS***
Parameter	***MCL***	***Tap Water***									
	a	***b***									
Volatile Organic Compounds											
1,1,1-Trichloroethane	200	7500	0.48 J	1.0 U	11 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	-	0.066	1.0 U	1.0 U	11 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	5	0.24	1.0 U	1.0 U	11 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

TABLE 1

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:			***BH54-13***	***BH55-13***	***BH56-13***	***BH57-13***	***BH57-13***	***BH58-13***	***BH59-13***	***BH60-13***	***BH61-13***
Sample ID:			***WG-38443-061813-SM-033***	***WG-38443-061813-SM-035***	***WG-38443-061913-SM-036***	***WG-38443-061913-SM-037***	***WG-38443-061913-SM-038***	***WG-38443-061913-SM-044***	***WG-38443-061913-SM-040***	***WG-38443-061913-SM-045***	***WG-38443-061913-SM-046***
Sample Date:			***6/18/2013***	***6/18/2013***	***6/19/2013***	***6/19/2013***	***6/19/2013***	***6/19/2013***	***6/19/2013***	***6/19/2013***	***6/19/2013***
Sample Depth:	***USEPA Regional Screening Levels [1]***		***21.5-25.5 ft BGS***	***25.5-29.5 ft BGS***	***24-28 ft BGS***	***24-28 ft BGS***	***24-28 ft BGS***	***24.5-28.5 ft BGS***	***23.5-27.5 ft BGS***	***23-27 ft BGS***	***24.2-28.2 ft BGS***
							Duplicate				
Parameter	***MCL***	***Tap Water***									
	a	***b***									
Volatile Organic Compounds											
1,1,1-Trichloroethane	200	7500	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	-	0.066	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	5	0.24	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

TABLE 1

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:			***BH62-13***	***BH63-13***	***BH64-13***	***BH65-13***	***BH66-13***	***BH67-13***	***BH68-13***	***BH69-13***	***BH70-13***
Sample ID:			***WG-38443-061913-SM-043***	***WG-38443-062013-SM-052***	***WG-38443-061913-SM-042***	***WG-38443-062013-SM-053***	***GW-38443-062613-SM-074***	***WG-38443-062013-SM-055***	***WG-38443-062013-SM-047***	***WG-38443-062113-SM-059***	***WG-38443-062113-SM-057***
Sample Date:			***6/19/2013***	***6/20/2013***	***6/19/2013***	***6/20/2013***	***6/26/2013***	***6/20/2013***	***6/20/2013***	***6/21/2013***	***6/21/2013***
Sample Depth:	***USEPA Regional Screening Levels [1]***		***24.5-28.5 ft BGS***	***26-30 ft BGS***	***25-29 ft BGS***	***25-29 ft BGS***	***25-29 ft BGS***	***24-28 ft BGS***	***24.5-28.5 ft BGS***	***24-28 ft BGS***	***23.5-27.5 ft BGS***
Parameter	***MCL***	***Tap Water***									
	a	***b***									
Volatile Organic Compounds											
1,1,1-Trichloroethane	200	7500	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U
1,1,2,2-Tetrachloroethane	-	0.066	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U
1,1,2-Trichloroethane	5	0.24	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U

TABLE 1

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:			***BH71-13***	***BH72-13***	***BH73-13***	***BH74-13***	***BH74-13***	***BH75-13***	***BH76-13***	***BH77-13***	***BH78-13***
Sample ID:			***WG-38443-062013-SM-054***	***WG-38443-062013-SM-056***	***WG-38443-062013-SM-051***	***WG-38443-062013-SM-048***	***WG-38443-062013-SM-049***	***WG-38443-062513-SM-068***	***GW-38443-062613-SM-072***	***WG-38443-062513-SM-069***	***WG-38443-062513-SM-067***
Sample Date:			***6/20/2013***	***6/20/2013***	***6/20/2013***	***6/20/2013***	***6/20/2013***	***6/25/2013***	***6/26/2013***	***6/25/2013***	***6/25/2013***
Sample Depth:	***USEPA Regional Screening Levels [1]***		***24.5-28.5 ft BGS***	***21.75-25.75 ft BGS***	***21.5-25.5 ft BGS***	***22-26 ft BGS***	***22-26 ft BGS***	***23-27 ft BGS***	***23.5-27.5 ft BGS***	***23-27 ft BGS***	***23-27 ft BGS***
							Duplicate				
Parameter	***MCL***	***Tap Water***									
	a	***b***									
Volatile Organic Compounds											
1,1,1-Trichloroethane	200	7500	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U	1.0 U
1,1,2,2-Tetrachloroethane	-	0.066	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U	1.0 U
1,1,2-Trichloroethane	5	0.24	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U	1.0 U

TABLE 1

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:			***BH79-13***	***BH80-13***	***BH81-13***	***BH81-13***	***BH82-13***	***BH83-13***	***BH83-13***	***BH84-13***	***BH85-13***
Sample ID:			***GW-38443-062613-SM-075***	***WG-38443-062513-SM-066***	***GW-038443-062713-SM-079***	***GW-038443-062713-SM-080***	***WG-38443-062513-SM-064***	***WG-38443-062513-SM-063***	***WG-38443-062513-SM-065***	***GW-38443-062613-SM-076***	***WG-38443-062513-SM-070***
Sample Date:			***6/26/2013***	***6/25/2013***	***6/27/2013***	***6/27/2013***	***6/25/2013***	***6/25/2013***	***6/25/2013***	***6/26/2013***	***6/25/2013***
Sample Depth:	***USEPA Regional Screening Levels [1]***		***24-28 ft BGS***	***25.5-29.5 ft BGS***	***25-29 ft BGS***	***25-29 ft BGS***	***22-26 ft BGS***	***23.2-27.2 ft BGS***	***23.2-27.2 ft BGS***	***22-26 ft BGS***	***23.5-27.5 ft BGS***
						Duplicate			***Duplicate***		
Parameter	***MCL***	***Tap Water***									
	a	***b***									
Volatile Organic Compounds											
1,1,1-Trichloroethane	200	7500	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	-	0.066	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	5	0.24	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

TABLE 1

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:			***BH85-13***	***BH86-13***	***BH87-13***	***BH88-13***	***BH89-13***	***BH90-13***	***BH91-13***	***BH92-13***	***BH93-13***
Sample ID:			***WG-38443-062513-SM-071***	***WG-38443-062413-SM-061***	***GW-38443-062613-SM-077***	***WG-38443-062413-SM-060***	***WG-38443-062413-SM-062***	***GW-38443-070913-JT-101***	***GW-38443-062813-SM-084***	***GW-38443-070913-JT-102***	***GW-38443-070913-JT-104***
Sample Date:			***6/25/2013***	***6/24/2013***	***6/26/2013***	***6/24/2013***	***6/24/2013***	***7/9/2013***	***6/28/2013***	***7/9/2013***	***7/9/2013***
Sample Depth:	***USEPA Regional Screening Levels [1]***		***23.5-27.5 ft BGS***	***25.5-29.5 ft BGS***	***23-27 ft BGS***	***23-27 ft BGS***	***20.8-24.8 ft BGS***	***29.5-33.5 ft BGS***	***27-31 ft BGS***	***21.8-25.8 ft BGS***	***20-24 ft BGS***
			Duplicate								
Parameter	***MCL***	***Tap Water***									
	a	***b***									
Volatile Organic Compounds											
1,1,1-Trichloroethane	200	7500	1.0 U	2.2 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	-	0.066	1.0 U	2.2 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	5	0.24	1.0 U	2.2 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

TABLE 1

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:			***Equipment Blank***	***Equipment Blank***	***Equipment Blank***	***Equipment Blank***	***Equipment Blank***	***Equipment Blank***	***Rinse Blank***	***Rinse Blank***	***Rinse Blank***
Sample ID:			***EB-038443-061413-SM-018***	***EB-38443-061813-SM-030***	***EB-38443-061913-SM-039***	***EB-38443-062013-SM-050***	***GW-38443-062613-SM-073***	***EB-38443-062813-SM-083***	***RB-38443-061113-GL-004***	***RB-38443-070213-SK-088***	***GW-38443-070813-JT-100***
Sample Date:			***6/14/2013***	***6/18/2013***	***6/19/2013***	***6/20/2013***	***6/26/2013***	***6/28/2013***	***6/11/2013***	***7/2/2013***	***7/8/2013***
Sample Depth:	***USEPA Regional Screening Levels [1]***		-	-	-	-	-	-	-	-	-
Parameter	***MCL***	***Tap Water***									
	a	***b***									
Volatile Organic Compounds											
1,1,1-Trichloroethane	200	7500	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	-	0.066	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	5	0.24	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

TABLE 1

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:			***Rinse Blank***	***Trip Blank***	***Trip Blank***	***Trip Blank***	***Trip Blank***	***Trip Blank***	***Trip Blank***	***Trip Blank***	***Trip Blank***	***Trip Blank***
Sample ID:			***GW-38443-070913-JT-103***	***TRIP BLANK-061113-001***	***TRIP BLANK-061213-002***	***TRIPBLANK-061313-003***	***TRIP BLANK-061413-004***	***TB-38443-061913-SM***	***TB-38443-062113-SM***	***TB-38443-062513-SM***	***TB-38443-062613-SM***	***TB-38443-062813-SM***
Sample Date:			***7/9/2013***	***6/11/2013***	***6/12/2013***	***6/13/2013***	***6/14/2013***	***6/19/2013***	***6/21/2013***	***6/25/2013***	***6/26/2013***	***6/28/2013***
Sample Depth:	***USEPA Regional Screening Levels [1]***		-	-	-	-	-	-	-	-	-	-
Parameter	***MCL***	***Tap Water***										
	a	***b***										
Volatile Organic Compounds												
1,1,1-Trichloroethane	200	7500	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	-	0.066	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	5	0.24	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

TABLE 1

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:			***Trip Blank***	***Trip Blank***	***Trip Blank***
Sample ID:			***TB-38443-070113-SK***	***TB-38443-070313-SK***	***TRIPBLANK-JT-001***
Sample Date:			***7/1/2013***	***7/3/2013***	***7/9/2013***
Sample Depth:	***USEPA Regional Screening Levels [1]***		***-***	***-***	***-***
Parameter	***MCL***	***Tap Water***			
	a	***b***			
Volatile Organic Compounds					
1,1,1-Trichloroethane	200	7500	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	-	0.066	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	5	0.24	1.0 U	1.0 U	1.0 U

TABLE 1

SUMMARY OF OU1 PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Notes:

All concentrations are expressed in units of micrograms per litre (µg/L) unless otherwise noted.

[1] - United States Environmental Protection Agency Regional Screening Levels (RSL) for Chemical Contaminants at Superfund Sites, May 2013

- - Not applicable.

J - The parameter was positively identified; however, the associated parameter concentration is estimated.

U - The parameter was not detected. The associated numerical value is the sample quantitation limit.

UJ - The parameter was not detected. The associated numerical value is the estimated sample quantitation limit.

- Concentration was greater than applicable criteria.

TABLE 2

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO VI SCREENING CRITERIA
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:			*BH1-13*	*BH2-13*	*BH3-13*	*BH4-13*	*BH5-13*	*BH6-13*	*BH7-13*	*BH8-13*	*BH9-13*	*BH10-13*
Sample ID:			*GW-38443-061313-SM-016*	*GW-038443-061413-SM-021*	*GW-038443-061413-SM-020*	*GW-038443-061413-SM-022*	*GW-038443-061413-SM-019*	*GW-38443-061313-GL-017*	*GW-38443-061213-GL-011*	*GW-38443-061313-GL-014*	*GW-38443-061113-GL-001*	*GW-38443-061113-SM-002*
Sample Date:			*6/13/2013*	*6/14/2013*	*6/14/2013*	*6/14/2013*	*6/14/2013*	*6/13/2013*	*6/12/2013*	*6/13/2013*	*6/11/2013*	*6/11/2013*
Sample Depth:			*22.5-26.5 ft BGS*	*21.5-25.5 ft BGS*	*22.75-26.75 ft BGS*	*21.3-25.3 ft BGS*	*21-25 ft BGS*	*22-26 ft BGS*	*23-26 ft BGS*	*22.5-26.5 ft BGS*	*21.5-25.5 ft BGS*	*21.5-25.5 ft BGS*
Parameter	*Protection of Residential IA*	*Protection of Industrial IA*										
	c	*d*										
Volatile Organic Compounds												
1,1,1-Trichloroethane	7394.88	31286.05	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	2.80	14.00	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	4.45	22.86	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	6.53	33.51	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.27 J	1.0 U
1,1-Dichloroethene	196.80	824.71	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	36.17	151.58	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromo-3-chloropropane (DBCP)	0.03	0.33	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,2-Dibromoethane (Ethylene dibromide)	0.15	0.75	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	2675.31	11210.83	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	1.95	9.74	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	2.08	10.41	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	2.23	11.16	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	2235405.38	9457484.31	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	8135.84	34118.05	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	549460.29	2304188.31	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	22363547.42	97840519.95	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1.37	7.05	1.0 U	1.0 U	1.0 U	0.40 J	1.0 U	1.0 U	1.0 U	1.0 U	0.17 J	1.0 U
Bromodichloromethane	0.76	3.81	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	-	-	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 U
Bromomethane (Methyl bromide)	17.33	73.31	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 U
Carbon disulfide	1239.99	5265.69	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	0.36	1.77	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	408.98	1730.29	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	22036.04	98958.56	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 U
Chloroform (Trichloromethane)	0.73	3.53	1.0 U	1.0 U	1.0 U	1.3[a]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane (Methyl chloride)	260.68	1081.56	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	-	-	0.45 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.37 J	1.0 U
cis-1,3-Dichloropropene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	1027.32	4239.73	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	2.81	14.06	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	7.13	31.38	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	3.01	15.21	1.0 U	1.0 U	1.0 U	1.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropyl benzene	893.32	3828.52	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl acetate	-	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl cyclohexane	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl tert butyl ether (MTBE)	391.69	1958.46	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene chloride	722.51	9031.38	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Naphthalene	4.00	20.01	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	8894.54	39135.98	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	12.99	64.95	1.0 U	1.0 U	1.0 U	2.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	19155.42	81042.17	1.0 U	1.0 U	0.21 J	3.0	1.0 U	1.0 U	0.18 J	1.0 U	0.27 J	0.18 J
trans-1,2-Dichloroethene	377.69	1558.73	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	1.07	7.45	1.4[a]	0.71 J	0.43 J	1.9[a]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane (CFC-11)	184.08	781.71	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trifluorotrichloroethane (Freon 113)	1441.56	6045.25	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	0.14	2.46	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes (total)	472.20	2077.68	2.0 U	2.0 U	2.0 U	4.4	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U

TABLE 2

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO VI SCREENING CRITERIA
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Metals			***Metals***									
Aluminum (dissolved)	-	-	Aluminum (dissolved)	-	-	200 U	200 U	-	200 U	-	-	-
Antimony (dissolved)	-	-	Antimony (dissolved)	-	-	10 U	10 U	-	10 U	-	-	-
Arsenic (dissolved)	-	-	Arsenic (dissolved)	-	-	10 U	10 U	-	10 U	-	-	-
Barium (dissolved)	-	-	Barium (dissolved)	-	-	120 J	130 J	-	430	-	-	-
Beryllium (dissolved)	-	-	Beryllium (dissolved)	-	-	5.0 U	5.0 U	-	5.0 U	-	-	-
Cadmium (dissolved)	-	-	Cadmium (dissolved)	-	-	2.0 U	2.0 U	-	2.0 U	-	-	-
Calcium (dissolved)	-	-	Calcium (dissolved)	-	-	140000	140000	-	160000	-	-	-
Chromium (dissolved)	-	-	Chromium (dissolved)	-	-	5.0 U	5.0 U	-	5.0 U	-	-	-
Cobalt (dissolved)	-	-	Cobalt (dissolved)	-	-	7.0 U	2.7 J	-	7.0 U	-	-	-
Copper (dissolved)	-	-	Copper (dissolved)	-	-	25 U	25 U	-	25 U	-	-	-
Iron (dissolved)	-	-	Iron (dissolved)	-	-	700	540	-	110	-	-	-
Lead (dissolved)	-	-	Lead (dissolved)	-	-	3.0 U	3.0 U	-	3.0 U	-	-	-
Magnesium (dissolved)	-	-	Magnesium (dissolved)	-	-	48000	44000	-	52000	-	-	-
Manganese (dissolved)	-	-	Manganese (dissolved)	-	-	120	310	-	370	-	-	-
Mercury (dissolved)	0.66	2.78	Mercury (dissolved)	0.66	2.78	0.20 U	0.20 U	-	0.20 U	-	-	-
Nickel (dissolved)	-	-	Nickel (dissolved)	-	-	6.5 J	8.6 J	-	15 J	-	-	-
Potassium (dissolved)	-	-	Potassium (dissolved)	-	-	9400	9000	-	10000	-	-	-
Selenium (dissolved)	-	-	Selenium (dissolved)	-	-	26	24	-	6.6	-	-	-
Silver (dissolved)	-	-	Silver (dissolved)	-	-	5.0 U	5.0 U	-	5.0 U	-	-	-
Sodium (dissolved)	-	-	Sodium (dissolved)	-	-	130000	130000	-	120000	-	-	-
Thallium (dissolved)	-	-	Thallium (dissolved)	-	-	10 U	10 U	-	10 U	-	-	-
Vanadium (dissolved)	-	-	Vanadium (dissolved)	-	-	7.0 U	7.0 U	-	7.0 U	-	-	-
Zinc (dissolved)	-	-	Zinc (dissolved)	-	-	50 U	50 U	-	50 U	-	-	-
PCBs			***PCBs***									
Aroclor-1016 (PCB-1016)	-	-	Aroclor-1016 (PCB-1016)	-	-	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	0.14	0.70	Aroclor-1221 (PCB-1221)	0.14	0.70	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	0.14	0.70	Aroclor-1232 (PCB-1232)	0.14	0.70	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	-	-	Aroclor-1242 (PCB-1242)	-	-	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	-	-	Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons			***Petroleum Hydrocarbons***									
Total Petroleum Hydrocarbons (C10-C20)	-	-	Total Petroleum Hydrocarbons (C10-C20)	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C20-C34)	-	-	Total Petroleum Hydrocarbons (C20-C34)	-	-	-	-	-	-	-	-	-

TABLE 2

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO VI SCREENING CRITERIA
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

TABLE 2

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO VI SCREENING CRITERIA
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:			*BH8-13*	*BH9-13*	*BH10-13*	*BH11-13*	*BH12-13*	*BH13-13*	*BH14-13*	*BH15-13*	*BH16-13*	*BH16-13*	*BH16-13*
Sample ID:			*GW-38443-061313-GL-014*	*GW-38443-061113-GL-001*	*GW-38443-061113-SM-002*	*GW-38443-061113-GL-003*	*GW-38443-061113-SM-006*	*GW-38443-061213-SM-007*	*GW-38443-061113-GL-005*	*GW-38443-061213-GL-013*	*GW-38443-061213-GL-008*	*GW-38443-061213-GL-009*	*GW-38443-071013-JT-108*
Sample Date:			*6/13/2013*	*6/11/2013*	*6/11/2013*	*6/11/2013*	*6/11/2013*	*6/12/2013*	*6/11/2013*	*6/12/2013*	*6/12/2013*	*6/12/2013*	*7/10/2013*
Sample Depth:			*22.5-26.5 ft BGS*	*21.5-25.5 ft BGS*	*21.5-25.5 ft BGS*	*21.5-25.5 ft BGS*	*21.5-25.5 ft BGS*	*21.5-25.5 ft BGS*	*21.5-25.5 ft BGS*	*21.5-25.5 ft BGS*	*21.5-25.5 ft BGS*	*21.5-25.5 ft BGS*	*29.5-33.5 ft BGS*
												Duplicate	
Parameter	*Protection of Residential IA*	*Protection of Industrial IA*											
	c	*d*											
Volatile Organic Compounds													
1,1,1-Trichloroethane	7394.88	31286.05	1.0 U	1.0 U	1.0 U	1.0 U	0.26 J	0.53 J	0.32 J	1.0 U	1.0 U	1.0 U	2.0 U
1,1,2,2-Tetrachloroethane	2.80	14.00	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 UJ
1,1,2-Trichloroethane	4.45	22.86	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U
1,1-Dichloroethane	6.53	33.51	1.0 U	0.27 J	1.0 U	0.31 J	1.0 U	1.0 U	1.0 U	0.20 J	1.0 U	1.0 U	2.0 U
1,1-Dichloroethene	196.80	824.71	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.47 J
1,2,4-Trichlorobenzene	36.17	151.58	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U
1,2-Dibromo-3-chloropropane (DBCP)	0.03	0.33	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U
1,2-Dibromoethane (Ethylene dibromide)	0.15	0.75	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U
1,2-Dichlorobenzene	2675.31	11210.83	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U
1,2-Dichloroethane	1.95	9.74	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U
1,2-Dichloropropane	2.08	10.41	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U
1,3-Dichlorobenzene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U
1,4-Dichlorobenzene	2.23	11.16	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	2235405.38	9457484.31	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	4.7 J
2-Hexanone	8135.84	34118.05	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	20 UJ
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	549460.29	2304188.31	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	20 UJ
Acetone	22363547.42	97840519.95	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U
Benzene	1.37	7.05	1.0 U	0.17 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U
Bromodichloromethane	0.76	3.81	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U
Bromoform	-	-	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U
Bromomethane (Methyl bromide)	17.33	73.31	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 UJ
Carbon disulfide	1239.99	5265.69	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U
Carbon tetrachloride	0.36	1.77	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 UJ
Chlorobenzene	408.98	1730.29	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U
Chloroethane	22036.04	98958.56	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U
Chloroform (Trichloromethane)	0.73	3.53	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U
Chloromethane (Methyl chloride)	260.68	1081.56	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U
cis-1,2-Dichloroethene	-	-	1.0 U	0.37 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	15
cis-1,3-Dichloropropene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U
Cyclohexane	1027.32	4239.73	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U
Dibromochloromethane	2.81	14.06	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U
Dichlorodifluoromethane (CFC-12)	7.13	31.38	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U
Ethylbenzene	3.01	15.21	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U
Isopropyl benzene	893.32	3828.52	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U
Methyl acetate	-	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	20 UJ
Methyl cyclohexane	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U
Methyl tert butyl ether (MTBE)	391.69	1958.46	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U
Methylene chloride	722.51	9031.38	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U
Naphthalene	4.00	20.01	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U
Styrene	8894.54	39135.98	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U
Tetrachloroethene	12.99	64.95	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U
Toluene	19155.42	81042.17	1.0 U	0.27 J	0.18 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U
trans-1,2-Dichloroethene	377.69	1558.73	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.72 J
trans-1,3-Dichloropropene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U
Trichloroethene	1.07	7.45	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.27 J	1.0 U	0.93 J	0.96 J	78**
Trichlorofluoromethane (CFC-11)	184.08	781.71	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 UJ
Trifluorotrichloroethane (Freon 113)	1441.56	6045.25	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 UJ
Vinyl chloride	0.14	2.46	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U
Xylenes (total)	472.20	2077.68	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U

TABLE 2

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO VI SCREENING CRITERIA
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Metals													
Aluminum (dissolved)	-	-	-	-	-	200 U	-	-	-	-	-	-	-
Antimony (dissolved)	-	-	-	-	-	10 U	-	-	-	-	-	-	-
Arsenic (dissolved)	-	-	-	-	-	10 U	-	-	-	-	-	-	-
Barium (dissolved)	-	-	-	-	-	270	-	-	-	-	-	-	-
Beryllium (dissolved)	-	-	-	-	-	5.0 U	-	-	-	-	-	-	-
Cadmium (dissolved)	-	-	-	-	-	2.0 U	-	-	-	-	-	-	-
Calcium (dissolved)	-	-	-	-	-	160000	-	-	-	-	-	-	-
Chromium (dissolved)	-	-	-	-	-	5.0 U	-	-	-	-	-	-	-
Cobalt (dissolved)	-	-	-	-	-	7.0 U	-	-	-	-	-	-	-
Copper (dissolved)	-	-	-	-	-	25 U	-	-	-	-	-	-	-
Iron (dissolved)	-	-	-	-	-	510	-	-	-	-	-	-	-
Lead (dissolved)	-	-	-	-	-	3.0 U	-	-	-	-	-	-	-
Magnesium (dissolved)	-	-	-	-	-	51000	-	-	-	-	-	-	-
Manganese (dissolved)	-	-	-	-	-	140	-	-	-	-	-	-	-
Mercury (dissolved)	0.66	2.78	-	-	-	0.20 U	-	-	-	-	-	-	-
Nickel (dissolved)	-	-	-	-	-	13 J	-	-	-	-	-	-	-
Potassium (dissolved)	-	-	-	-	-	11000 J	-	-	-	-	-	-	-
Selenium (dissolved)	-	-	-	-	-	5.1	-	-	-	-	-	-	-
Silver (dissolved)	-	-	-	-	-	5.0 U	-	-	-	-	-	-	-
Sodium (dissolved)	-	-	-	-	-	220000	-	-	-	-	-	-	-
Thallium (dissolved)	-	-	-	-	-	10 U	-	-	-	-	-	-	-
Vanadium (dissolved)	-	-	-	-	-	7.0 U	-	-	-	-	-	-	-
Zinc (dissolved)	-	-	-	-	-	50 U	-	-	-	-	-	-	-
PCBs													
Aroclor-1016 (PCB-1016)	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	0.14	0.70	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	0.14	0.70	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons													
Total Petroleum Hydrocarbons (C10-C20)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C20-C34)	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 2

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO VI SCREENING CRITERIA
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

TABLE 2

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO VI SCREENING CRITERIA
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:			*BH17-13*	*BH17-13*	*BH18-13*	*BH18-13*	*BH18-13*	*BH19-13*	*BH20-13*	*BH20-13*	*BH21-13*	*BH22-13*	*BH23-13*
Sample ID:			*GW-38443-061213-SM-010*	*GW-38443-071013-JT-107*	*GW-38443-061213-SM-012*	*GW-38443-070913-JT-105*	*GW-38443-070913-JT-106*	*GW-38443-061313-SM-015*	*WG-38443-061713-SM-023*	*WG-38443-061713-SM-024*	*WG-38443-061713-SM-025*	*WG-38443-061713-SM-026*	*WG-38443-061813-SM-031*
Sample Date:			*6/12/2013*	*7/10/2013*	*6/12/2013*	*7/9/2013*	*7/9/2013*	*6/13/2013*	*6/17/2013*	*6/17/2013*	*6/17/2013*	*6/17/2013*	*6/18/2013*
Sample Depth:			*21.5-25.5 ft BGS*	*29.5-33.5 ft BGS*	*21.5-25.5 ft BGS*	*29.5-33.5 ft BGS*	*29.5-33.5 ft BGS*	*19.25-23.25 ft BGS*	*20.5-24.5 ft BGS*	*20.5-24.5 ft BGS*	*19.25-23.25 ft BGS*	*21.5-25.5 ft BGS*	*20.5-24.5 ft BGS*
							Duplicate			*Duplicate*			
Parameter	*Protection of Residential IA*	*Protection of Industrial IA*											
	c	*d*											
Volatile Organic Compounds													
1,1,1-Trichloroethane	7394.88	31286.05	1.0 U	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	2.80	14.00	1.0 U	2.9 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	4.45	22.86	1.0 U	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	6.53	33.51	1.0 U	2.9 U	0.22 J	0.25 J	1.0 U	0.23 J	1.0 U	1.0 U	0.45 J	0.24 J	1.0 U
1,1-Dichloroethene	196.80	824.71	1.0 U	1.1 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	36.17	151.58	1.0 U	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromo-3-chloropropane (DBCP)	0.03	0.33	2.0 U	5.7 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,2-Dibromoethane (Ethylene dibromide)	0.15	0.75	1.0 U	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	2675.31	11210.83	1.0 U	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	1.95	9.74	1.0 U	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	2.08	10.41	1.0 U	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	-	-	1.0 U	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	2.23	11.16	1.0 U	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	2235405.38	9457484.31	10 U	29 U	10 U	10 U	2.7 J	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	8135.84	34118.05	10 U	29 UJ	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 UJ	10 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	549460.29	2304188.31	10 U	29 UJ	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	22363547.42	97840519.95	10 U	29 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1.37	7.05	1.0 U	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	0.76	3.81	1.0 U	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	-	-	1.0 U	2.9 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	17.33	73.31	1.0 U	2.9 UJ	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ
Carbon disulfide	1239.99	5265.69	1.0 U	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	0.36	1.77	1.0 U	2.9 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	408.98	1730.29	1.0 U	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	22036.04	98958.56	1.0 U	2.9 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	0.73	3.53	1.0 U	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane (Methyl chloride)	260.68	1081.56	1.0 U	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	-	-	1.0 U	27	3.1	4.4	4.3	3.5	1.0	1.0	0.52 J	1.1	0.37 J
cis-1,3-Dichloropropene	-	-	1.0 U	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	1027.32	4239.73	1.0 U	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	2.81	14.06	1.0 U	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	7.13	31.38	1.0 U	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	3.01	15.21	1.0 U	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropyl benzene	893.32	3828.52	1.0 U	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl acetate	-	-	10 U	29 UJ	10 U	10 U	10 U	0.38 J	10 U	10 U	10 U	10 U	10 U
Methyl cyclohexane	-	-	1.0 U	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl tert butyl ether (MTBE)	391.69	1958.46	1.0 U	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene chloride	722.51	9031.38	1.0 U	2.9 U	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Naphthalene	4.00	20.01	1.0 U	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U
Styrene	8894.54	39135.98	1.0 U	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	12.99	64.95	1.0 U	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	19155.42	81042.17	1.0 U	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.13 J	0.19 J	1.0 U	1.0 U
trans-1,2-Dichloroethene	377.69	1558.73	1.0 U	1.9 J	1.0 U	0.26 J	0.20 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	-	-	1.0 U	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	1.07	7.45	0.56 J	94[e,f]	3.4[e]	8.8[e,f]	8.2[e,f]	1.8[e]	1.8[e]	1.8[e]	1.0 U	0.72 J	0.79 J
Trichlorofluoromethane (CFC-11)	184.08	781.71	1.0 U	2.9 UJ	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ
Trifluorotrichloroethane (Freon 113)	1441.56	6045.25	1.0 U	2.9 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	0.14	2.46	1.0 U	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes (total)	472.20	2077.68	2.0 U	5.7 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U

TABLE 2

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO VI SCREENING CRITERIA
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Metals													
Aluminum (dissolved)	-	-	-	-	200 U	200 U	200 U	-	-	-	-	200 U	-
Antimony (dissolved)	-	-	-	-	10 U	10 U	10 U	-	-	-	-	10 U	-
Arsenic (dissolved)	-	-	-	-	10 U	10 U	10 U	-	-	-	-	10 U	-
Barium (dissolved)	-	-	-	-	140 J	160 J	150 J	-	-	-	-	110 J	-
Beryllium (dissolved)	-	-	-	-	5.0 U	5.0 U	5.0 U	-	-	-	-	5.0 U	-
Cadmium (dissolved)	-	-	-	-	2.0 U	2.0 U	2.0 U	-	-	-	-	2.0 U	-
Calcium (dissolved)	-	-	-	-	150000	150000	130000	-	-	-	-	140000	-
Chromium (dissolved)	-	-	-	-	5.0 U	5.0 U	5.0 U	-	-	-	-	5.0 U	-
Cobalt (dissolved)	-	-	-	-	3.2 J	1.8 J	2.0 J	-	-	-	-	7.0 U	-
Copper (dissolved)	-	-	-	-	25 U	25 U	25 U	-	-	-	-	25 U	-
Iron (dissolved)	-	-	-	-	2500	740	760	-	-	-	-	150	-
Lead (dissolved)	-	-	-	-	3.0 U	1.9 J	3.0 U	-	-	-	-	3.0 U	-
Magnesium (dissolved)	-	-	-	-	58000	58000	53000	-	-	-	-	53000	-
Manganese (dissolved)	-	-	-	-	430	260	250	-	-	-	-	440	-
Mercury (dissolved)	0.66	2.78	-	-	0.20 U	0.20 U	0.20 U	-	-	-	-	0.20 U	-
Nickel (dissolved)	-	-	-	-	11 J	7.0 J	7.9 J	-	-	-	-	7.4 J	-
Potassium (dissolved)	-	-	-	-	11000	10000	9400	-	-	-	-	9400	-
Selenium (dissolved)	-	-	-	-	5.0 U	5.0 U	5.0 U	-	-	-	-	5.0 U	-
Silver (dissolved)	-	-	-	-	5.0 U	5.0 U	5.0 U	-	-	-	-	5.0 U	-
Sodium (dissolved)	-	-	-	-	86000	100000	93000	-	-	-	-	91000	-
Thallium (dissolved)	-	-	-	-	10 U	10 U	10 U	-	-	-	-	5.5 J	-
Vanadium (dissolved)	-	-	-	-	7.0 U	7.0 U	7.0 U	-	-	-	-	7.0 U	-
Zinc (dissolved)	-	-	-	-	50 U	50 U	50 U	-	-	-	-	50 U	-
PCBs													
Aroclor-1016 (PCB-1016)	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	0.14	0.70	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	0.14	0.70	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons													
Total Petroleum Hydrocarbons (C10-C20)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C20-C34)	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 2

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO VI SCREENING CRITERIA
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

TABLE 2

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO VI SCREENING CRITERIA
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:			*BH24-13*	*BH24-13*	*BH25-13*	*BH30-13*	*BH31-13*	*BH32-13*	*BH32-13*	*BH33-13*	*BH34-13*	*BH35-13*	*BH36-13*
Sample ID:			*WG-38443-061813-SM-027*	*WG-38443-061813-SM-028*	*WG-38443-061813-SM-029*	*GW-38443-070313-SK-097*	*GW-38443-070113-SK-086*	*GW-38443-070213-SK-093*	*GW-38443-070213-SK-094*	*GW-038443-062713-SM-078*	*GW-038443-062713-SM-081*	*GW-38443-062813-SM-083*	*GW-38443-070213-SK-087*
Sample Date:			*6/18/2013*	*6/18/2013*	*6/18/2013*	*7/3/2013*	*7/1/2013*	*7/2/2013*	*7/2/2013*	*6/27/2013*	*6/27/2013*	*6/28/2013*	*7/2/2013*
Sample Depth:			*20.6-24.6 ft BGS*	*20.6-24.6 ft BGS*	*21.75-25.75 ft BGS*	*32.5-36.5 ft BGS*	*29.5-33.5 ft BGS*	*29.5-33.5 ft BGS*	*29.5-33.5 ft BGS*	*26-30 ft BGS*	*27.5-31.5 ft BGS*	*27.5-31.5 ft BGS*	*33-37 ft BGS*
				Duplicate					*Duplicate*				
Parameter	*Protection of Residential IA*	*Protection of Industrial IA*											
	c	*d*											
Volatile Organic Compounds													
1,1,1-Trichloroethane	7394.88	31286.05	1.0 U	1.0 U	0.67 J	1.4 U	2.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	2.80	14.00	1.0 U	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	4.45	22.86	1.0 U	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	6.53	33.51	1.0 U	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	196.80	824.71	1.0 U	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	36.17	151.58	1.0 U	1.0 U	1.0 U	1.4 UJ	2.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromo-3-chloropropane (DBCP)	0.03	0.33	2.0 U	2.0 U	2.0 U	2.9 UJ	4.0 U	2.0 U	2.0 U	10 U	2.0 U	2.0 U	2.0 U
1,2-Dibromoethane (Ethylene dibromide)	0.15	0.75	1.0 U	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	2675.31	11210.83	1.0 U	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	1.95	9.74	1.0 U	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U	2.0 J[d]	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	2.08	10.41	1.0 U	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	-	-	1.0 U	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	2.23	11.16	1.0 U	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	2235405.38	9457464.31	10 U	10 U	10 U	14 U	20 U	10 U	10 U	50 U	10 U	10 U	10 U
2-Hexanone	8135.84	34118.05	10 UJ	10 UJ	10 UJ	14 U	20 U	10 U	10 U	50 U	10 U	10 UJ	10 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	549460.29	2304188.31	10 U	10 U	10 U	14 U	20 U	10 U	10 U	50 U	10 U	10 U	10 U
Acetone	22363547.42	97840519.95	10 U	10 U	10 U	14 U	20 U	10 U	10 U	7.1 J	10 U	10 U	10 U
Benzene	1.37	7.05	1.0 U	1.0 U	1.0 U	0.19 J	0.31 J	1.0 U	1.0 U	80[cd]	0.49 J	1.0 U	1.0 U
Bromodichloromethane	0.76	3.81	1.0 U	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U
Bromoform	-	-	1.0 U	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U	5.0 UJ	1.0 UJ	1.0 U	1.0 U
Bromomethane (Methyl bromide)	17.33	73.31	1.0 UJ	1.0 UJ	1.0 UJ	1.4 U	2.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 UJ	1.0 U
Carbon disulfide	1239.99	5265.69	1.0 U	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	0.36	1.77	1.0 U	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	408.98	1730.29	1.0 U	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U	5.0 U	0.62 J	1.0 U	1.0 U
Chloroethane	22036.04	98958.56	1.0 U	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U	9.4	1.0 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	0.73	3.53	1.0 U	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U
Chloromethane (Methyl chloride)	260.68	1081.56	1.0 U	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	-	-	0.33 J	0.46 J	1.0 U	1.6	49	0.88 J	0.94 J	3.8 J	1.7	1.0 U	1.6
cis-1,3-Dichloropropene	-	-	1.0 U	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	1027.32	4239.73	1.0 U	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U	1.0 J	1.0 U	1.0 U	1.0 U
Dibromochloromethane	2.81	14.06	1.0 U	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	7.13	31.38	1.0 U	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	3.01	15.21	1.0 U	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U	100[ad]	1.0 U	1.0 U	1.0 U
Isopropyl benzene	893.32	3828.52	1.0 U	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U	6.8	1.0 U	1.0 U	1.0 U
Methyl acetate	-	-	10 U	10 U	10 U	14 U	20 U	10 U	10 U	50 U	10 U	10 U	10 U
Methyl cyclohexane	-	-	1.0 U	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U	0.99 J	1.0 U	1.0 U	1.0 U
Methyl tert butyl ether (MTBE)	391.69	1958.46	1.0 U	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U
Methylene chloride	722.51	9031.38	1.0 U	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 UJ	1.0 U
Naphthalene	4.00	20.01	1.0 UJ	1.0 UJ	1.0 UJ	1.4 U	2.0 U	1.0 U	1.0 U	5.1[e]	1.0 U	1.0 U	1.0 U
Styrene	8894.54	39135.98	1.0 U	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U	0.69 J	1.0 U	1.0 U	1.0 U
Tetrachloroethene	12.99	64.95	1.0 U	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U
Toluene	19155.42	81042.17	1.0 U	1.0 U	0.15 J	1.4 U	2.0 U	0.17 J	0.13 J	32	0.34 J	1.0 U	1.0 U
trans-1,2-Dichloroethene	377.69	1558.73	1.0 U	1.0 U	1.0 U	1.4 U	1.1 J	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	-	-	1.0 U	1.0 U	1.0 U	1.4 UJ	2.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	1.07	7.45	1.7[e]	2.0[e]	1.3[e]	39[ef]	57[ef]	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane (CFC-11)	184.08	781.71	1.0 UJ	1.0 UJ	1.0 UJ	1.4 U	2.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 UJ	1.0 U
Trifluorotrichloroethane (Freon 113)	1441.56	6045.25	1.0 U	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	0.14	2.46	1.0 U	1.0 U	1.0 U	1.4 U	9.4[ad]	1.0 U	1.0 U	1.1 J[e]	11[ad]	2.2[e]	2.3[e]
Xylenes (total)	472.20	2077.68	2.0 U	2.0 U	2.0 U	2.9 U	4.0 U	2.0 U	2.0 U	190	2.0 U	2.0 U	2.0 U

TABLE 2

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO VI SCREENING CRITERIA
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Metals													
Aluminum (dissolved)	-	-	-	-	200 U	200 U	-	-	-	-	-	-	200 U
Antimony (dissolved)	-	-	-	-	10 U	10 U	-	-	-	-	-	-	10 U
Arsenic (dissolved)	-	-	-	-	10 U	10 U	-	-	-	-	-	-	10 U
Barium (dissolved)	-	-	-	-	220	270	-	-	-	-	-	-	930
Beryllium (dissolved)	-	-	-	-	5.0 U	5.0 U	-	-	-	-	-	-	5.0 U
Cadmium (dissolved)	-	-	-	-	2.0 U	2.0 U	-	-	-	-	-	-	2.0 U
Calcium (dissolved)	-	-	-	-	150000	160000	-	-	-	-	-	-	110000
Chromium (dissolved)	-	-	-	-	5.0 U	5.0 U	-	-	-	-	-	-	5.0 U
Cobalt (dissolved)	-	-	-	-	7.0 U	7.0 U	-	-	-	-	-	-	7.0 U
Copper (dissolved)	-	-	-	-	25 U	25 U	-	-	-	-	-	-	25 U
Iron (dissolved)	-	-	-	-	610	1200	-	-	-	-	-	-	2100
Lead (dissolved)	-	-	-	-	3.0 U	3.0 U	-	-	-	-	-	-	3.0 U
Magnesium (dissolved)	-	-	-	-	46000	43000	-	-	-	-	-	-	51000
Manganese (dissolved)	-	-	-	-	280	150	-	-	-	-	-	-	1200
Mercury (dissolved)	0.66	2.78	-	-	0.20 U	0.20 U	-	-	-	-	-	-	0.20 U
Nickel (dissolved)	-	-	-	-	5.8 J	40 U	-	-	-	-	-	-	14 J
Potassium (dissolved)	-	-	-	-	8900	7200	-	-	-	-	-	-	16000
Selenium (dissolved)	-	-	-	-	5.0 U	11	-	-	-	-	-	-	5.0 U
Silver (dissolved)	-	-	-	-	5.0 U	5.0 U	-	-	-	-	-	-	5.0 U
Sodium (dissolved)	-	-	-	-	48000	35000	-	-	-	-	-	-	65000
Thallium (dissolved)	-	-	-	-	5.1 J	10 U	-	-	-	-	-	-	6.7 J
Vanadium (dissolved)	-	-	-	-	7.0 U	7.0 U	-	-	-	-	-	-	7.0 U
Zinc (dissolved)	-	-	-	-	50 U	50 U	-	-	-	-	-	-	51 U
PCBs													
Aroclor-1016 (PCB-1016)	-	-	-	-	-	0.48 U	-	-	-	-	-	-	0.48 U
Aroclor-1221 (PCB-1221)	0.14	0.70	-	-	-	0.48 U	-	-	-	-	-	-	0.48 U
Aroclor-1232 (PCB-1232)	0.14	0.70	-	-	-	0.48 U	-	-	-	-	-	-	0.48 U
Aroclor-1242 (PCB-1242)	-	-	-	-	-	0.48 U	-	-	-	-	-	-	0.48 U
Aroclor-1248 (PCB-1248)	-	-	-	-	-	0.48 U	-	-	-	-	-	-	0.48 U
Aroclor-1254 (PCB-1254)	-	-	-	-	-	0.48 U	-	-	-	-	-	-	0.48 U
Aroclor-1260 (PCB-1260)	-	-	-	-	-	0.48 U	-	-	-	-	-	-	0.48 U
Petroleum Hydrocarbons													
Total Petroleum Hydrocarbons (C10-C20)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C20-C34)	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 2

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO VI SCREENING CRITERIA
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

TABLE 2

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO VI SCREENING CRITERIA
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:			*BH37-13*	*BH38-13*	*BH39-13*	*BH40-13*	*BH42-13*	*BH43-13*	*BH44-13*	*BH46-13*	*BH46B-13*	*BH48B-13*	*BH49-13*
Sample ID:			*GW-38443-070313-SK-095*	*GW-38443-062813-SM-082*	*GW-38443-070113-SK-085*	*GW-38443-070213-SK-089*	*GW-38443-070813-JT-098*	*GW-38443-070213-SK-090*	*GW-38443-070213-SK-091*	*GW-38443-070213-SK-092*	*GW-38443-070313-SK-096*	*GW-38443-070813-JT-099*	*WG-38443-061813-SM-032*
Sample Date:			*7/3/2013*	*6/28/2013*	*7/1/2013*	*7/2/2013*	*7/9/2013*	*7/2/2013*	*7/2/2013*	*7/2/2013*	*7/3/2013*	*7/8/2013*	*6/18/2013*
Sample Depth:			*28-32 ft BGS*	*28.5 - 32.5 ft BGS*	*31-25 ft BGS*	*31.5-35.5 ft BGS*	*33-37 ft BGS*	*28.5-32.5 ft BGS*	*38.5-42.5 ft BGS*	*31-35 ft BGS*	*29-33 ft BGS*	*30-34 ft BGS*	*21.5-25.5 ft BGS*
Parameter	*Protection of Residential IA*	*Protection of Industrial IA*											
	c	*d*											
Volatile Organic Compounds													
1,1,1-Trichloroethane	7394.88	31286.05	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.48 J	1.0 U	11 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	2.80	14.00	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	11 U	1.0 UJ	1.0 U	1.0 U
1,1,2-Trichloroethane	4.45	22.86	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	6.53	33.51	0.44 J	0.99 J	0.37 J	1.0 U	1.0 U	4.0	0.53 J	11 U	1.0 U	0.18 J	1.0 U
1,1-Dichloroethene	196.80	824.71	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	36.17	151.58	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U	1.0 UJ	1.0 U	1.0 U
1,2-Dibromo-3-chloropropane (DBCP)	0.03	0.33	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	22 U	2.0 UJ	2.0 U	2.0 U
1,2-Dibromoethane (Ethylene dibromide)	0.15	0.75	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	2675.31	11210.83	0.21 J	0.45 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 J	1.0 U	0.92 J	1.0 U
1,2-Dichloroethane	1.95	9.74	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	2.08	10.41	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	2.23	11.16	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U	1.0 U	1.0 U	1.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	2235405.38	9457484.31	10 U	10 U	10 U	10 U	10 U	10 U	10 U	110 U	10 U	10 U	10 U
2-Hexanone	8135.84	34118.05	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	110 U	10 U	10 UJ	10 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	549460.29	2304188.31	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	110 U	10 U	10 UJ	10 U
Acetone	22363547.42	97840519.95	10 U	10 U	10 U	10 U	10 U	10 U	10 U	110 U	10 U	10 U	10 U
Benzene	1.37	7.05	0.63 J	0.48 J	1.0 U	1.0 U	1.0 U	0.15 J	1.0 U	100[e,f]	1.0 U	0.61 J	1.0 U
Bromodichloromethane	0.76	3.81	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U	1.0 U	1.0 U	1.0 U
Bromoform	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	17.33	73.31	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	11 U	1.0 U	1.0 UJ	1.0 UJ
Carbon disulfide	1239.99	5265.69	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	0.36	1.77	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	11 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	408.98	1730.29	0.61 J	0.59 J	1.0 U	1.0 U	0.44 J	1.0 U	1.0 U	6.3 J	0.41 J	1.7	1.0 U
Chloroethane	22036.04	98958.56	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U	1.0 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	0.73	3.53	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U	1.0 U	1.0 U	1.0 U
Chloromethane (Methyl chloride)	260.68	1081.56	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	-	-	4.7	2.6	6.6	2.0	1.0 U	27	1.7	2.8 J	1.0 U	2.5	0.33 J
cis-1,3-Dichloropropene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U	1.0 U	1.0 U	1.0 U
Cyclohexane	1027.32	4239.73	0.12 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U	1.0 U	0.22 J	1.0 U
Dibromochloromethane	2.81	14.06	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	7.13	31.38	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	3.01	15.21	1.0 U	0.46 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	9.9 J[h]	1.0 U	1.0 U	1.0 U
Isopropyl benzene	893.32	3828.52	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.7 J	1.0 U	1.0 U	1.0 U
Methyl acetate	-	-	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	110 U	10 U	10 U	10 U
Methyl cyclohexane	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U	1.0 U	1.0 U	1.0 U
Methyl tert butyl ether (MTBE)	391.69	1958.46	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U	1.0 U	1.0 U	1.0 U
Methylene chloride	722.51	9031.38	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U	1.0 U	1.0 UJ	1.0 U
Naphthalene	4.00	20.01	1.0 U	1.0 U	1.0 U	1.0 U	1.4	1.0 U	1.0 U	11 U	1.0 U	1.0 U	1.0 U
Styrene	8894.54	39135.98	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	12.99	64.95	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U	1.0 U	1.0 U	1.0 U
Toluene	19155.42	81042.17	1.0 U	11	1.0 U	1.0 U	0.18 J	1.0 U	0.13 J	270	1.0 U	0.26 J	1.0 U
trans-1,2-Dichloroethene	377.69	1558.73	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.45 J	1.0 U	11 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	-	-	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U	1.0 UJ	1.0 U	1.0 U
Trichloroethene	1.07	7.45	1.0 U	1.0 U	1.0	0.56 J	1.0 U	6.1[e]	1.9[e]	11 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane (CFC-11)	184.08	781.71	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	11 U	1.0 U	1.0 UJ	1.0 UJ
Trifluorotrichloroethane (Freon 113)	1441.56	6045.25	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	11 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	0.14	2.46	7.7[e,f]	1.9[e]	3.8[e,f]	0.25 J[h]	3.5[e,f]	8.2[e,f]	0.28 J[h]	11 U	1.0 U	2.9[e,f]	1.0 U
Xylenes (total)	472.20	2077.68	2.0 U	2.2	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	36	2.0 U	2.0 U	2.0 U

TABLE 2

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO VI SCREENING CRITERIA
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Metals													
Aluminum (dissolved)	-	-	-	-	-	200 U	-	-	-	200 U	200 U	200 U	200 U
Antimony (dissolved)	-	-	-	-	-	10 U	-	-	-	10 U	10 U	10 U	10 U
Arsenic (dissolved)	-	-	-	-	-	10 U	-	-	-	5.1 J	10 U	11	6.0 J
Barium (dissolved)	-	-	-	-	-	630	-	-	-	830	570	660	1700
Beryllium (dissolved)	-	-	-	-	-	5.0 U	-	-	-	5.0 U	5.0 U	5.0 U	5.0 U
Cadmium (dissolved)	-	-	-	-	-	2.0 U	-	-	-	2.0 U	2.0 U	2.0 U	2.0 U
Calcium (dissolved)	-	-	-	-	-	130000	-	-	-	160000	150000	150000	170000
Chromium (dissolved)	-	-	-	-	-	5.0 U	-	-	-	5.0 U	5.0 U	5.0 U	5.0 U
Cobalt (dissolved)	-	-	-	-	-	2.7 J	-	-	-	7.0 U	1.8 J	7.0 U	7.0 U
Copper (dissolved)	-	-	-	-	-	25 U	-	-	-	25 U	8.3 J	25 U	25 U
Iron (dissolved)	-	-	-	-	-	2600	-	-	-	24000	2400	12000	8400
Lead (dissolved)	-	-	-	-	-	3.0 U	-	-	-	3.0 U	3.0 U	3.0 U	3.0 U
Magnesium (dissolved)	-	-	-	-	-	70000	-	-	-	48000	49000	43000	57000
Manganese (dissolved)	-	-	-	-	-	720	-	-	-	280	1000	230	440
Mercury (dissolved)	0.66	2.78	-	-	-	0.20 U	-	-	-	0.20 U	0.20 U	0.20 U	0.20 U
Nickel (dissolved)	-	-	-	-	-	7.3 J	-	-	-	40 U	40 U	4.2 J	4.4 J
Potassium (dissolved)	-	-	-	-	-	20000 J	-	-	-	17000 J	11000	8500	14000
Selenium (dissolved)	-	-	-	-	-	5.0 U	-	-	-	5.0 U	8.0	5.0 U	5.0 U
Silver (dissolved)	-	-	-	-	-	5.0 U	-	-	-	5.0 U	5.0 U	5.0 U	5.0 U
Sodium (dissolved)	-	-	-	-	-	73000	-	-	-	100000	100000	83000	120000
Thallium (dissolved)	-	-	-	-	-	5.0 J	-	-	-	4.9 J	10 U	10 U	5.9 J
Vanadium (dissolved)	-	-	-	-	-	7.0 U	-	-	-	7.0 U	7.0 U	7.0 U	7.0 U
Zinc (dissolved)	-	-	-	-	-	50 U	-	-	-	50 U	50 U	51	50 U
PCBs													
Aroclor-1016 (PCB-1016)	-	-	-	-	-	0.48 U	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	0.14	0.70	-	-	-	0.48 U	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	0.14	0.70	-	-	-	0.48 U	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	-	-	-	-	-	0.48 U	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	-	-	-	-	-	0.48 U	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	0.48 U	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	0.48 U	-	-	-	-	-	-	-
Petroleum Hydrocarbons													
Total Petroleum Hydrocarbons (C10-C20)	-	-	-	-	-	-	-	-	-	-	-	480 U	540 UJ
Total Petroleum Hydrocarbons (C20-C34)	-	-	-	-	-	-	-	-	-	-	-	480 U	540 UJ

TABLE 2

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO VI SCREENING CRITERIA
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

TABLE 2

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO VI SCREENING CRITERIA
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:			*BH51-13*	*BH52-13*	*BH53-13*	*BH54-13*	*BH55-13*	*BH56-13*	*BH57-13*	*BH57-13*	*BH58-13*	*BH59-13*	*BH60-13*
Sample ID:			*WG-38443-062113-SM-059*	*WG-38443-061913-SM-041*	*WG-38443-061813-SM-034*	*WG-38443-061813-SM-033*	*WG-38443-061813-SM-035*	*WG-38443-061913-SM-036*	*WG-38443-061913-SM-037*	*WG-38443-061913-SM-038*	*WG-38443-061913-SM-044*	*WG-38443-061913-SM-040*	*WG-38443-061913-SM-045*
Sample Date:			*6/21/2013*	*6/19/2013*	*6/18/2013*	*6/18/2013*	*6/18/2013*	*6/19/2013*	*6/19/2013*	*6/19/2013*	*6/19/2013*	*6/19/2013*	*6/19/2013*
Sample Depth:			*22.5-26.5 ft BGS*	*24.8-28.8 ft BGS*	*22-26 ft BGS*	*21.5-25.5 ft BGS*	*25.5-29.5 ft BGS*	*24-28 ft BGS*	*24-28 ft BGS*	*24-28 ft BGS*	*24.5-28.5 ft BGS*	*23.5-27.5 ft BGS*	*23-27 ft BGS*
										Duplicate			
Parameter	*Protection of Residential IA*	*Protection of Industrial IA*											
	c	*d*											
Volatile Organic Compounds													
1,1,1-Trichloroethane	7394.88	31286.05	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	2.80	14.00	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	4.45	22.86	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	6.53	33.51	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	196.80	824.71	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	36.17	151.58	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromo-3-chloropropane (DBCP)	0.03	0.33	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,2-Dibromoethane (Ethylene dibromide)	0.15	0.75	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	2675.31	11210.83	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	1.95	9.74	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	2.08	10.41	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	2.23	11.16	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	2235405.38	9457484.31	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	8135.84	34118.05	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	549460.29	2304188.31	0.34 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	22363547.42	97840519.95	10 U	1.3 J	10 U	10 U	10 U	1.1 J	10 U	2.0 J	10 U	10 U	10 U
Benzene	1.37	7.05	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	0.76	3.81	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	17.33	73.31	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ
Carbon disulfide	1239.99	5265.69	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	0.36	1.77	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	408.98	1730.29	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	22036.04	98958.56	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	0.73	3.53	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane (Methyl chloride)	260.68	1081.56	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	-	-	1.0 U	5.6	0.52 J	0.17 J	2.5	0.96 J	4.1	4.1	0.29 J	0.68 J	0.81 J
cis-1,3-Dichloropropene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	1027.32	4239.73	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	2.81	14.06	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	7.13	31.38	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	3.01	15.21	0.84 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.68 J	1.0 U	1.0 U
Isopropyl benzene	893.32	3828.52	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl acetate	-	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl cyclohexane	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl tert butyl ether (MTBE)	391.69	1958.46	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene chloride	722.51	9031.38	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 UJ
Naphthalene	4.00	20.01	0.32 J	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ
Styrene	8894.54	39135.98	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	12.99	64.95	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	19155.42	81042.17	0.32 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.34 J	0.14 J	1.0 U
trans-1,2-Dichloroethene	377.69	1558.73	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	1.07	7.45	1.0 U	0.40 J	2.0*	0.58 J	2.1*	0.71 J	0.95 J	0.95 J	1.0 U	1.6*	1.3*
Trichlorofluoromethane (CFC-11)	184.08	781.71	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ
Trifluorotrichloroethane (Freon 113)	1441.56	6045.25	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	0.14	2.46	1.0 U	0.73 J*	1.0 U	1.0 U	0.46 J*	1.0 U	0.48 J*	0.40 J*	1.0 U	1.0 U	1.0 U
Xylenes (total)	472.20	2077.68	6.3	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.7	2.0 U	2.0 U

TABLE 2

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO VI SCREENING CRITERIA
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Metals													
Aluminum (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Magnesium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury (dissolved)	0.66	2.78	-	-	-	-	-	-	-	-	-	-	-
Nickel (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Potassium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs													
Aroclor-1016 (PCB-1016)	-	-	-	-	-	-	-	-	0.49 UJ	0.49 UJ	0.52 UJ	0.52 UJ	0.49 UJ
Aroclor-1221 (PCB-1221)	0.14	0.70	-	-	-	-	-	-	0.49 UJ	0.49 UJ	0.52 UJ	0.52 UJ	0.49 UJ
Aroclor-1232 (PCB-1232)	0.14	0.70	-	-	-	-	-	-	0.49 UJ	0.49 UJ	0.52 UJ	0.52 UJ	0.49 UJ
Aroclor-1242 (PCB-1242)	-	-	-	-	-	-	-	-	0.49 UJ	0.49 UJ	0.52 UJ	0.52 UJ	0.49 UJ
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	0.49 UJ	0.49 UJ	0.52 UJ	0.52 UJ	0.49 UJ
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	0.49 UJ	0.49 UJ	0.52 UJ	0.52 UJ	0.49 UJ
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	0.49 UJ	0.49 UJ	0.52 UJ	0.52 UJ	0.49 UJ
Petroleum Hydrocarbons													
Total Petroleum Hydrocarbons (C10-C20)	-	-	530 U	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C20-C34)	-	-	530 U	-	-	-	-	-	-	-	-	-	-

TABLE 2

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO VI SCREENING CRITERIA
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

TABLE 2

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO VI SCREENING CRITERIA
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:			*BH61-13*	*BH62-13*	*BH63-13*	*BH64-13*	*BH65-13*	*BH66-13*	*BH67-13*	*BH68-13*	*BH69-13*	*BH70-13*	*BH71-13*
Sample ID:			*WG-38443-061913-SM-046*	*WG-38443-061913-SM-043*	*WG-38443-062013-SM-052*	*WG-38443-061913-SM-042*	*WG-38443-062013-SM-053*	*GW-38443-062613-SM-074*	*WG-38443-062013-SM-055*	*WG-38443-062013-SM-047*	*WG-38443-062113-SM-059*	*WG-38443-062113-SM-057*	*WG-38443-062013-SM-054*
Sample Date:			*6/19/2013*	*6/19/2013*	*6/20/2013*	*6/19/2013*	*6/20/2013*	*6/26/2013*	*6/20/2013*	*6/20/2013*	*6/21/2013*	*6/21/2013*	*6/20/2013*
Sample Depth:			*24.2-28.2 ft BGS*	*24.5-28.5 ft BGS*	*26-30 ft BGS*	*25-29 ft BGS*	*25-29 ft BGS*	*25-29 ft BGS*	*24-28 ft BGS*	*24.5-28.5 ft BGS*	*24-28 ft BGS*	*23.5-27.5 ft BGS*	*24.5-28.5 ft BGS*
Parameter	*Protection of Residential IA*	*Protection of Industrial IA*											
	c	*d*											
Volatile Organic Compounds													
1,1,1-Trichloroethane	7394.88	31286.05	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U	1.0 U
1,1,2,2-Tetrachloroethane	2.80	14.00	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U	1.0 U
1,1,2-Trichloroethane	4.45	22.86	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U	1.0 U
1,1-Dichloroethane	6.53	33.51	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.53 J	0.55 J	1.0 U	1.7 U	2.0 U	1.0 U
1,1-Dichloroethene	196.80	824.71	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U	1.0 U
1,2,4-Trichlorobenzene	36.17	151.58	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U	1.0 U
1,2-Dibromo-3-chloropropane (DBCP)	0.03	0.33	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	3.3 U	4.0 U	2.0 U
1,2-Dibromoethane (Ethylene dibromide)	0.15	0.75	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U	1.0 U
1,2-Dichlorobenzene	2675.31	11210.83	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U	1.0 U
1,2-Dichloroethane	1.95	9.74	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U	1.0 U
1,2-Dichloropropane	2.08	10.41	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U	1.0 U
1,3-Dichlorobenzene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U	1.0 U
1,4-Dichlorobenzene	2.23	11.16	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U	1.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	2235405.38	9457484.31	10 U	3.0 J	10 U	10 U	10 U	10 U	10 U	10 U	17 U	1.3 J	10 U
2-Hexanone	8135.84	34118.05	10 U	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	17 UJ	20 UJ	10 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	549460.29	2304188.31	10 U	2.2 J	10 U	10 U	10 U	10 U	10 U	10 U	17 U	20 U	10 U
Acetone	22363547.42	97840519.95	10 U	2.4 J	10 U	10 U	10 U	10 U	10 U	10 U	17 UJ	20 UJ	10 U
Benzene	1.37	7.05	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U	1.0 U
Bromodichloromethane	0.76	3.81	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U	1.0 U
Bromoform	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.7 U	2.0 U	1.0 U
Bromomethane (Methyl bromide)	17.33	73.31	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 UJ	1.7 UJ	2.0 UJ	1.0 UJ
Carbon disulfide	1239.99	5265.69	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U	1.0 U
Carbon tetrachloride	0.36	1.77	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U	1.0 U
Chlorobenzene	408.98	1730.29	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.20 J	0.48 J	0.88 J	0.85 J	2.0 U	0.35 J
Chloroethane	22036.04	98958.56	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U	1.0 U
Chloroform (Trichloromethane)	0.73	3.53	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.48 J	0.57 J	1.0 U
Chloromethane (Methyl chloride)	260.68	1081.56	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U	1.0 U
cis-1,2-Dichloroethene	-	-	0.73 J	1.0 U	0.90 J	0.88 J	1.8	2.0	1.0	1.4	25	0.72 J	2.0
cis-1,3-Dichloropropene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U	1.0 U
Cyclohexane	1027.32	4239.73	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U	1.0 U
Dibromochloromethane	2.81	14.06	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	7.13	31.38	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U	1.0 U
Ethylbenzene	3.01	15.21	1.0 U	0.86 J	1.0 U	1.0 U	1.0 U	0.39 J	0.67 J	1.0 U	1.7 U	2.0 U	1.0 U
Isopropyl benzene	893.32	3828.52	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U	1.0 U
Methyl acetate	-	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	17 U	20 U	10 U
Methyl cyclohexane	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.17 J	1.0 U	1.0 U	1.7 U	2.0 U	1.0 U
Methyl tert butyl ether (MTBE)	391.69	1958.46	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U	1.0 U
Methylene chloride	722.51	9031.38	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 UJ	1.7 U	2.0 U	1.0 UJ
Naphthalene	4.00	20.01	1.0 UJ	0.43 J	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 UJ	1.7 UJ	2.0 UJ	1.0 UJ
Styrene	8894.54	39135.98	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U	1.0 U
Tetrachloroethene	12.99	64.95	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.5	2.0 U	1.0 U
Toluene	19155.42	81042.17	1.0 U	0.59 J	0.22 J	1.0 U	1.0 U	1.0 U	1.0 U	0.17 J	0.92 J	1.2 J	1.0 U
trans-1,2-Dichloroethene	377.69	1558.73	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.37 J	2.0 U	1.0 U
trans-1,3-Dichloropropene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U	1.0 U
Trichloroethene	1.07	7.45	0.80 J	1.0 U	0.70 J	1.1[e]	1.0 U	1.0 U	1.0 U	1.0 U	43[e,f]	74[e,f]	0.24 J
Trichlorofluoromethane (CFC-11)	184.08	781.71	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 UJ	1.7 UJ	2.0 UJ	1.0 UJ
Trifluorotrichloroethane (Freon 113)	1441.56	6045.25	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U	1.0 U
Vinyl chloride	0.14	2.46	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.29 J[a]	0.67 J[a]	1.0 U	1.7 U	2.0 U	1.0 U
Xylenes (total)	472.20	2077.68	2.0 U	7.3	2.0 U	2.0 U	2.0 U	0.84 J	0.30 J	2.0 U	3.3 U	4.0 U	2.0 U

TABLE 2

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO VI SCREENING CRITERIA
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Metals													
Aluminum (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Magnesium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury (dissolved)	0.66	2.78	-	-	-	-	-	-	-	-	-	-	-
Nickel (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Potassium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs													
Aroclor-1016 (PCB-1016)	-	-	0.51 UJ	0.51 UJ	0.50 U	0.49 UJ	0.53 U	0.52 U	0.54 U	0.48 U	0.48 U	0.49 U	0.49 U
Aroclor-1221 (PCB-1221)	0.14	0.70	0.51 UJ	0.51 UJ	0.50 U	0.49 UJ	0.53 U	0.52 U	0.54 U	0.48 U	0.48 U	0.49 U	0.49 U
Aroclor-1232 (PCB-1232)	0.14	0.70	0.51 UJ	0.51 UJ	0.50 U	0.49 UJ	0.53 U	0.52 U	0.54 U	0.48 U	0.48 U	0.49 U	0.49 U
Aroclor-1242 (PCB-1242)	-	-	0.51 UJ	0.51 UJ	0.50 U	0.49 UJ	0.53 U	0.52 U	0.54 U	0.48 U	0.48 U	0.49 U	0.49 U
Aroclor-1248 (PCB-1248)	-	-	0.51 UJ	0.51 UJ	0.50 U	0.49 UJ	0.53 U	0.52 U	0.54 U	0.48 U	0.48 U	0.49 U	0.49 U
Aroclor-1254 (PCB-1254)	-	-	0.51 UJ	0.51 UJ	0.50 U	0.49 UJ	0.53 U	0.52 U	0.54 U	0.48 U	0.48 U	0.49 U	0.49 U
Aroclor-1260 (PCB-1260)	-	-	0.51 UJ	0.51 UJ	0.50 U	0.49 UJ	0.53 U	0.52 U	0.54 U	0.48 U	0.48 U	0.49 U	0.49 U
Petroleum Hydrocarbons													
Total Petroleum Hydrocarbons (C10-C20)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C20-C34)	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 2

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO VI SCREENING CRITERIA
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

TABLE 2

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO VI SCREENING CRITERIA
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:			*BH72-13*	*BH73-13*	*BH74-13*	*BH74-13*	*BH75-13*	*BH76-13*	*BH77-13*	*BH78-13*	*BH79-13*	*BH80-13*	*BH81-13*
Sample ID:			*WG-38443-062013-SM-056*	*WG-38443-062013-SM-051*	*WG-38443-062013-SM-048*	*WG-38443-062013-SM-049*	*WG-38443-062513-SM-068*	*GW-38443-062613-SM-072*	*WG-38443-062513-SM-069*	*WG-38443-062513-SM-067*	*GW-38443-062613-SM-075*	*WG-38443-062513-SM-066*	*GW-038443-062713-SM-079*
Sample Date:			*6/20/2013*	*6/20/2013*	*6/20/2013*	*6/20/2013*	*6/25/2013*	*6/26/2013*	*6/25/2013*	*6/25/2013*	*6/26/2013*	*6/25/2013*	*6/27/2013*
Sample Depth:			*21.75-25.75 ft BGS*	*21.5-25.5 ft BGS*	*22-26 ft BGS*	*22-26 ft BGS*	*23-27 ft BGS*	*23.5-27.5 ft BGS*	*23-27 ft BGS*	*23-27 ft BGS*	*24-28 ft BGS*	*25.5-29.5 ft BGS*	*25-29 ft BGS*
						Duplicate							
Parameter	*Protection of Residential IA*	*Protection of Industrial IA*											
	c	*d*											
Volatile Organic Compounds													
1,1,1-Trichloroethane	7394.88	31286.05	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	2.80	14.00	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	4.45	22.86	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	6.53	33.51	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U	0.62 J	0.25 J	0.33 J	0.40 J
1,1-Dichloroethene	196.80	824.71	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	36.17	151.58	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.4 U	1.0 UJ	1.0 U	1.0 U	1.0 U
1,2-Dibromo-3-chloropropane (DBCP)	0.03	0.33	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.9 U	2.0 U	2.0 U	2.0 U	2.0 U
1,2-Dibromoethane (Ethylene dibromide)	0.15	0.75	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	2675.31	11210.83	0.35 J	1.0 U	1.0 U	1.0 U	1.0 U	0.13 J	0.56 J	1.0 U	0.15 J	1.0 U	1.0 U
1,2-Dichloroethane	1.95	9.74	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	2.08	10.41	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	-	-	0.31 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	2.23	11.16	2.6[e]	1.0 U	1.0 U	1.0 U	0.28 J	1.0 U	5.6[e]	0.20 J	0.50 J	1.0	0.27 J
2-Butanone (Methyl ethyl ketone) (MEK)	2235405.38	9457464.31	10 U	10 U	10 U	1.0 J	10 U	10 U	14 U	10 U	10 U	10 U	10 U
2-Hexanone	8135.84	34118.05	10 U	10 U	10 U	10 U	10 U	10 U	14 U	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	549460.29	2304188.31	10 U	10 U	10 U	10 U	10 U	10 U	14 U	10 U	10 U	10 U	10 U
Acetone	22363547.42	97840519.95	10 U	10 U	10 U	10 U	2.4 J	10 U	14 UJ	10 U	10 U	10 UJ	10 U
Benzene	1.37	7.05	0.79 J	1.0 U	1.0 U	1.0 U	0.49 J	0.89 J	12[ce]	0.20 J	0.25 J	0.23 J	0.33 J
Bromodichloromethane	0.76	3.81	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.4 UJ	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ
Bromomethane (Methyl bromide)	17.33	73.31	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.4 UJ	1.0 U	1.0 U	1.0 UJ	1.0 U
Carbon disulfide	1239.99	5265.69	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	0.36	1.77	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 UJ	1.0 U	1.0 U	1.0 UJ	1.0 U
Chlorobenzene	408.98	1730.29	7.2	1.0 U	1.0 U	1.0 U	4.5	0.47 J	40	0.44 J	5.7	3.4	2.8
Chloroethane	22036.04	98958.56	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	4.1	1.4 UJ	1.0 U	1.0 U	1.0 UJ	1.0 U
Chloroform (Trichloromethane)	0.73	3.53	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane (Methyl chloride)	260.68	1081.56	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	-	-	0.44 J	1.0 U	1.0 U	1.0 U	0.65 J	1.0 U	0.74 J	1.7	1.7	0.72 J	1.1
cis-1,3-Dichloropropene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 UJ	1.0 U	1.0 U	1.0 UJ	1.0 U
Cyclohexane	1027.32	4239.73	0.74 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.27 J	1.0 U	1.0 U	0.12 J	1.0 U
Dibromochloromethane	2.81	14.06	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 UJ	1.0 U	1.0 U	1.0 UJ	1.0 U
Dichlorodifluoromethane (CFC-12)	7.13	31.38	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.4 U	1.0 UJ	1.0 U	1.0 U	1.0 U
Ethylbenzene	3.01	15.21	1.0 U	1.0 U	0.42 J	0.59 J	1.0 U	1.0 U	2.2	0.27 J	1.0 U	1.0 U	1.0 U
Isopropyl benzene	893.32	3828.52	2.7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.9	0.19 J	1.0 U	1.0 U	1.0 U
Methyl acetate	-	-	10 U	10 U	10 U	10 U	10 U	10 U	14 U	10 U	10 U	10 U	10 U
Methyl cyclohexane	-	-	0.97 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.70 J	1.0 U	1.0 U	1.0 U	1.0 U
Methyl tert butyl ether (MTBE)	391.69	1958.46	1.0 U	1.0 U	1.0 U	1.0 U	0.26 J	2.0	0.24 J	1.0 U	0.36 J	0.24 J	0.27 J
Methylene chloride	722.51	9031.38	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.4 U	1.0 U	1.0 U	1.0 U	1.0 U
Naphthalene	4.00	20.01	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	9.8[e]	1.0 UJ	1.0 U	1.0 U	1.0 U
Styrene	8894.54	39135.98	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	12.99	64.95	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U	0.33 J	1.0 U	1.0 U	1.0 U
Toluene	19155.42	81042.17	0.24 J	1.0 U	0.25 J	0.33 J	0.19 J	0.15 J	0.50 J	0.48 J	0.17 J	0.13 J	0.23 J
trans-1,2-Dichloroethene	377.69	1558.73	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.4 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 U
Trichloroethene	1.07	7.45	0.17 J	2.6[e]	0.80 J	0.40 J	1.0 U	1.0 U	1.4 U	0.38 J	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane (CFC-11)	184.08	781.71	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.4 U	1.0 U	1.0 U	1.0 U	1.0 U
Trifluorotrichloroethane (Freon 113)	1441.56	6045.25	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	0.14	2.46	1.0 U	1.0 U	1.0 U	1.0 U	0.34 J[a]	1.0 U	0.32 J[a]	0.41 J[a]	5.3[ef]	0.41 J[a]	0.42 J[a]
Xylenes (total)	472.20	2077.68	0.53 J	2.0 U	2.2 J	4.1 J	2.0 U	0.35 J	5.7	0.85 J	2.0 U	2.0 U	2.0 U

TABLE 2

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO VI SCREENING CRITERIA
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Metals													
Aluminum (dissolved)	-	-	-	-	-	-	-	200 U	-	-	-	-	200 U
Antimony (dissolved)	-	-	-	-	-	-	-	10 U	-	-	-	-	10 U
Arsenic (dissolved)	-	-	-	-	-	-	-	10 U	-	-	-	-	10 U
Barium (dissolved)	-	-	-	-	-	-	-	1900	-	-	-	-	760
Beryllium (dissolved)	-	-	-	-	-	-	-	5.0 U	-	-	-	-	5.0 U
Cadmium (dissolved)	-	-	-	-	-	-	-	2.0 U	-	-	-	-	2.0 U
Calcium (dissolved)	-	-	-	-	-	-	-	140000	-	-	-	-	140000
Chromium (dissolved)	-	-	-	-	-	-	-	3.7 J	-	-	-	-	5.0 U
Cobalt (dissolved)	-	-	-	-	-	-	-	7.0 U	-	-	-	-	7.0 U
Copper (dissolved)	-	-	-	-	-	-	-	25 U	-	-	-	-	25 U
Iron (dissolved)	-	-	-	-	-	-	-	26000	-	-	-	-	5600
Lead (dissolved)	-	-	-	-	-	-	-	3.0 U	-	-	-	-	3.0 U
Magnesium (dissolved)	-	-	-	-	-	-	-	68000	-	-	-	-	56000
Manganese (dissolved)	-	-	-	-	-	-	-	270	-	-	-	-	150
Mercury (dissolved)	0.66	2.78	-	-	-	-	-	0.20 U	-	-	-	-	0.20 U
Nickel (dissolved)	-	-	-	-	-	-	-	40 U	-	-	-	-	4.6 J
Potassium (dissolved)	-	-	-	-	-	-	-	24000	-	-	-	-	18000
Selenium (dissolved)	-	-	-	-	-	-	-	5.0 U	-	-	-	-	5.0 U
Silver (dissolved)	-	-	-	-	-	-	-	5.0 U	-	-	-	-	5.0 U
Sodium (dissolved)	-	-	-	-	-	-	-	58000	-	-	-	-	88000
Thallium (dissolved)	-	-	-	-	-	-	-	10 U	-	-	-	-	10 U
Vanadium (dissolved)	-	-	-	-	-	-	-	7.0 U	-	-	-	-	7.0 U
Zinc (dissolved)	-	-	-	-	-	-	-	50 U	-	-	-	-	50 U
PCBs													
Aroclor-1016 (PCB-1016)	-	-	0.50 U	0.49 U	0.48 U	0.54 U	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	0.14	0.70	0.50 U	0.49 U	0.48 U	0.54 U	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	0.14	0.70	0.50 U	0.49 U	0.48 U	0.54 U	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	-	-	0.50 U	0.49 U	0.48 U	0.54 U	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	-	-	0.50 U	0.49 U	0.48 U	0.54 U	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	0.50 U	0.49 U	0.48 U	0.54 U	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	0.50 U	0.49 U	0.48 U	0.54 U	-	-	-	-	-	-	-
Petroleum Hydrocarbons													
Total Petroleum Hydrocarbons (C10-C20)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C20-C34)	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 2

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO VI SCREENING CRITERIA
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

TABLE 2

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO VI SCREENING CRITERIA
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:			*BH81-13*	*BH82-13*	*BH83-13*	*BH83-13*	*BH84-13*	*BH85-13*	*BH85-13*	*BH86-13*	*BH87-13*	*BH88-13*	*BH89-13*
Sample ID:			*GW-038443-062713-SM-080*	*WG-38443-062513-SM-064*	*WG-38443-062513-SM-063*	*WG-38443-062513-SM-065*	*GW-38443-062613-SM-076*	*WG-38443-062513-SM-070*	*WG-38443-062513-SM-071*	*WG-38443-062413-SM-061*	*GW-38443-062613-SM-077*	*WG-38443-062413-SM-060*	*WG-38443-062413-SM-062*
Sample Date:			*6/27/2013*	*6/25/2013*	*6/25/2013*	*6/25/2013*	*6/26/2013*	*6/25/2013*	*6/25/2013*	*6/24/2013*	*6/26/2013*	*6/24/2013*	*6/24/2013*
Sample Depth:			*25-29 ft BGS*	*22-26 ft BGS*	*23.2-27.2 ft BGS*	*23.2-27.2 ft BGS*	*22-26 ft BGS*	*23.5-27.5 ft BGS*	*23.5-27.5 ft BGS*	*25.5-29.5 ft BGS*	*23-27 ft BGS*	*23-27 ft BGS*	*20.8-24.8 ft BGS*
			Duplicate			*Duplicate*			*Duplicate*				
Parameter	*Protection of Residential IA*	*Protection of Industrial IA*											
	c	*d*											
Volatile Organic Compounds													
1,1,1-Trichloroethane	7394.88	31286.05	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.2 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	2.80	14.00	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.2 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	4.45	22.86	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.2 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	6.53	33.51	0.41 J	0.47 J	1.0 U	1.0 U	1.7	0.35 J	0.35 J	2.2 U	0.23 J	1.0 U	0.62 J
1,1-Dichloroethene	196.80	824.71	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.2 U	1.0 U	1.0 U	0.39 J
1,2,4-Trichlorobenzene	36.17	151.58	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 UJ	2.2 U	1.0 U	1.2 J	1.0 UJ
1,2-Dibromo-3-chloropropane (DBCP)	0.03	0.33	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.4 U	2.0 U	2.0 U	2.0 U
1,2-Dibromoethane (Ethylene dibromide)	0.15	0.75	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.2 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	2675.31	11210.83	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.2 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	1.95	9.74	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.2 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	2.08	10.41	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.62 J	0.54 J	2.2 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	-	-	1.0 U	1.0 U	0.44 J	1.0 U	1.0 U	1.0 U	1.0 U	2.2 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	2.23	11.16	0.26 J	1.0 U	0.43 J	0.42 J	1.0 U	0.48 J	1.0 U	2.2 U	1.0 U	1.0 U	1.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	2235405.38	9457484.31	10 U	10 U	10 U	10 U	10 U	10 U	10 U	22 U	10 U	10 U	10 U
2-Hexanone	8135.84	34118.05	10 U	10 U	10 U	10 U	10 U	10 U	10 U	22 U	10 U	10 U	10 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	549460.29	2304188.31	10 U	10 U	10 U	10 U	10 U	10 U	10 U	22 U	10 U	10 U	10 U
Acetone	22363547.42	97840519.95	10 U	10 U	3.6 J	2.3 J	1.9 J	10 U	10 U	22 UJ	10 U	2.6 J	10 U
Benzene	1.37	7.05	0.33 J	1.0 U	0.31 J	0.30 J	0.37 J	1.0 U	1.0 U	0.30 J	0.29 J	0.67 J	0.21 J
Bromodichloromethane	0.76	3.81	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.2 U	1.0 U	1.0 U	1.0 U
Bromoform	-	-	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	2.2 UJ	1.0 UJ	1.0 U	1.0 U
Bromomethane (Methyl bromide)	17.33	73.31	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.2 UJ	1.0 U	1.0 U	1.0 U
Carbon disulfide	1239.99	5265.69	1.0 U	0.17 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.2 U	1.0 U	0.24 J	1.0 U
Carbon tetrachloride	0.36	1.77	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.2 UJ	1.0 U	1.0 U	1.0 U
Chlorobenzene	408.98	1730.29	2.7	0.21 J	8.6	8.8	3.5	1.2	1.0 U	7.2	1.0 U	2.9	1.4
Chloroethane	22036.04	98958.56	1.0 U	0.61 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.2 UJ	2.6	1.0 U	1.0 U
Chloroform (Trichloromethane)	0.73	3.53	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.2 U	1.0 U	1.0 U	1.0 U
Chloromethane (Methyl chloride)	260.68	1081.56	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.2 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	-	-	1.1	1.0 U	2.1	2.0	2.6	1.0 U	1.0 U	9.4	1.0 U	0.33 J	17
cis-1,3-Dichloropropene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.2 UJ	1.0 U	1.0 U	1.0 U
Cyclohexane	1027.32	4239.73	0.14 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.2 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	2.81	14.06	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.2 UJ	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	7.13	31.38	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 UJ	2.2 U	1.0 U	0.36 J	1.0 UJ
Ethylbenzene	3.01	15.21	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.2 U	1.0 U	1.0 U	1.0 U
Isopropyl benzene	893.32	3828.52	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.2 U	1.0 U	1.0 U	1.0 U
Methyl acetate	-	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	22 U	10 U	10 U	10 U
Methyl cyclohexane	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.2 U	1.0 U	1.0 U	1.0 U
Methyl tert butyl ether (MTBE)	391.69	1958.46	0.25 J	0.23 J	0.56 J	0.56 J	1.0 U	1.0 U	1.0 U	2.2 U	1.0 U	1.0 U	1.0 U
Methylene chloride	722.51	9031.38	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.2 U	1.0 U	1.0 U	1.0 U
Naphthalene	4.00	20.01	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.3 J	0.24 J	2.2 U	1.0 U	1.0 UJ	1.0 UJ
Styrene	8894.54	39135.98	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.2 U	0.13 J	1.0 U	1.0 U
Tetrachloroethene	12.99	64.95	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.2 U	1.0 U	1.0 U	1.0 U
Toluene	19155.42	81042.17	0.22 J	1.0 U	0.21 J	0.23 J	0.15 J	1.0 U	1.0 U	2.2 U	1.0 U	0.49 J	0.18 J
trans-1,2-Dichloroethene	377.69	1558.73	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.2 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	-	-	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 UJ	2.2 UJ	1.0 U	1.0 UJ	1.0 UJ
Trichloroethene	1.07	7.45	0.17 J	1.0 U	1.0 U	1.0 U	0.54 J	1.0 U	1.0 U	2.2 U	1.0 U	1.0 U	11[ef]
Trichlorofluoromethane (CFC-11)	184.08	781.71	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.2 U	1.0 U	1.0 U	1.0 U
Trifluorotrichloroethane (Freon 113)	1441.56	6045.25	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.2 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	0.14	2.46	0.44 J[a]	1.9[a]	2.1[a]	2.2[a]	0.31 J[a]	1.0 U	1.0 U	54[ef]	1.0 U	2.6[ef]	7.0[ef]
Xylenes (total)	472.20	2077.68	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.4 U	2.0 U	2.0 U	2.0 U

TABLE 2

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO VI SCREENING CRITERIA
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Metals													
Aluminum (dissolved)	-	-	200 U	-	-	-	-	200 U	200 U	-	-	-	200 U
Antimony (dissolved)	-	-	10 U	-	-	-	-	10 U	10 U	-	-	-	10 U
Arsenic (dissolved)	-	-	10 U	-	-	-	-	21	20	-	-	-	9.4 J
Barium (dissolved)	-	-	740	-	-	-	-	800	700	-	-	-	240
Beryllium (dissolved)	-	-	5.0 U	-	-	-	-	5.0 U	5.0 U	-	-	-	5.0 U
Cadmium (dissolved)	-	-	2.0 U	-	-	-	-	2.0 U	2.0 U	-	-	-	2.0 U
Calcium (dissolved)	-	-	140000	-	-	-	-	82000	81000	-	-	-	130000
Chromium (dissolved)	-	-	5.0 U	-	-	-	-	5.0 U	5.0 U	-	-	-	5.0 U
Cobalt (dissolved)	-	-	7.0 U	-	-	-	-	7.0 U	7.0 U	-	-	-	4.1 J
Copper (dissolved)	-	-	25 U	-	-	-	-	25 U	25 U	-	-	-	25 U
Iron (dissolved)	-	-	5500	-	-	-	-	1500	1500	-	-	-	3100
Lead (dissolved)	-	-	3.0 U	-	-	-	-	3.0 U	3.0 U	-	-	-	3.0 U
Magnesium (dissolved)	-	-	55000	-	-	-	-	51000	50000	-	-	-	57000
Manganese (dissolved)	-	-	140	-	-	-	-	100	100	-	-	-	480
Mercury (dissolved)	0.66	2.78	0.20 U	-	-	-	-	0.20 U	0.20 U	-	-	-	0.20 U
Nickel (dissolved)	-	-	4.1 J	-	-	-	-	40 U	40 U	-	-	-	9.1 J
Potassium (dissolved)	-	-	18000	-	-	-	-	23000	23000	-	-	-	21000
Selenium (dissolved)	-	-	5.0 U	-	-	-	-	5.0 U	5.0 U	-	-	-	5.0 U
Silver (dissolved)	-	-	5.0 U	-	-	-	-	5.0 U	5.0 U	-	-	-	5.0 U
Sodium (dissolved)	-	-	85000	-	-	-	-	78000	77000	-	-	-	86000
Thallium (dissolved)	-	-	10 U	-	-	-	-	10 U	10 U	-	-	-	10 U
Vanadium (dissolved)	-	-	7.0 U	-	-	-	-	7.0 U	7.0 U	-	-	-	7.0 U
Zinc (dissolved)	-	-	50 U	-	-	-	-	50 U	50 U	-	-	-	50 U
PCBs													
Aroclor-1016 (PCB-1016)	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	0.14	0.70	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	0.14	0.70	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons													
Total Petroleum Hydrocarbons (C10-C20)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C20-C34)	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 2

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO VI SCREENING CRITERIA
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

TABLE 2

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO VI SCREENING CRITERIA
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:			*BH90-13*	*BH91-13*	*BH92-13*	*BH93-13*	*Equipment Blank*	*Equipment Blank*	*Equipment Blank*	*Equipment Blank*	*Equipment Blank*	*Equipment Blank*	*Rinse Blank*
Sample ID:			*GW-38443-070913-JT-101*	*GW-38443-062813-SM-084*	*GW-38443-070913-JT-102*	*GW-38443-070913-JT-104*	*EB-038443-061413-SM-018*	*EB-38443-061813-SM-030*	*EB-38443-061913-SM-029*	*EB-38443-062013-SM-050*	*GW-38443-062613-SM-073*	*EB-38443-062813-SM-083*	*RB-38443-061113-GL-004*
Sample Date:			*7/9/2013*	*6/28/2013*	*7/9/2013*	*7/9/2013*	*6/14/2013*	*6/18/2013*	*6/19/2013*	*6/20/2013*	*6/26/2013*	*6/28/2013*	*6/11/2013*
Sample Depth:			*29.5-33.5 ft BGS*	*27-31 ft BGS*	*21.8-25.8 ft BGS*	*20-24 ft BGS*	-	-	-	-	-	-	-
Parameter	*Protection of Residential IA*	*Protection of Industrial IA*											
	c	*d*											
Volatile Organic Compounds													
1,1,1-Trichloroethane	7394.88	31286.05	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	2.80	14.00	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	4.45	22.86	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	6.53	33.51	1.0 U	1.0 U	5.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	196.80	824.71	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	36.17	151.58	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromo-3-chloropropane (DBCP)	0.03	0.33	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,2-Dibromoethane (Ethylene dibromide)	0.15	0.75	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	2675.31	11210.83	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	1.95	9.74	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	2.08	10.41	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	2.23	11.16	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	2235405.38	9457484.31	1.0 J	10 U	1.4 J	2.3 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	8135.84	34118.05	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	549460.29	2304188.31	10 UJ	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	22363547.42	97840519.95	10 U	10 U	3.6 J	1.4 J	1.3 J	10 U	10 U	10 U	10 U	10 U	2.8 J
Benzene	1.37	7.05	1.0 U	1.0 U	0.55 J	0.62 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	0.76	3.81	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	17.33	73.31	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U
Carbon disulfide	1239.99	5265.69	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.20 J	1.0 U	1.0 U	0.30 J
Carbon tetrachloride	0.36	1.77	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	408.98	1730.29	1.0 U	0.48 J	5.7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	22036.04	98958.56	1.0 U	1.0 U	1.1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	0.73	3.53	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane (Methyl chloride)	260.68	1081.56	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	1027.32	4239.73	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	2.81	14.06	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	7.13	31.38	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	3.01	15.21	1.0 U	1.0 U	0.39 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropyl benzene	893.32	3828.52	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl acetate	-	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl cyclohexane	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl tert butyl ether (MTBE)	391.69	1958.46	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene chloride	722.51	9031.38	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U
Naphthalene	4.00	20.01	1.0 U	1.0 U	4.9*	1.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	8894.54	39135.98	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	12.99	64.95	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	19155.42	81042.17	0.16 J	0.14 J	0.38 J	0.41 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	377.69	1558.73	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	1.07	7.45	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane (CFC-11)	184.08	781.71	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U
Trifluorotrichloroethane (Freon 113)	1441.56	6045.25	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	0.14	2.46	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes (total)	472.20	2077.68	2.0 U	2.0 U	0.75 J	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U

TABLE 2

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO VI SCREENING CRITERIA
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Metals													
Aluminum (dissolved)	-	-	-	-	-	-	-	-	-	-	200 U	-	-
Antimony (dissolved)	-	-	-	-	-	-	-	-	-	-	10 U	-	-
Arsenic (dissolved)	-	-	-	-	-	-	-	-	-	-	10 U	-	-
Barium (dissolved)	-	-	-	-	-	-	-	-	-	-	4.6 J	-	-
Beryllium (dissolved)	-	-	-	-	-	-	-	-	-	-	5.0 U	-	-
Cadmium (dissolved)	-	-	-	-	-	-	-	-	-	-	2.0 U	-	-
Calcium (dissolved)	-	-	-	-	-	-	-	-	-	-	5000 U	-	-
Chromium (dissolved)	-	-	-	-	-	-	-	-	-	-	3.1 J	-	-
Cobalt (dissolved)	-	-	-	-	-	-	-	-	-	-	7.0 U	-	-
Copper (dissolved)	-	-	-	-	-	-	-	-	-	-	34	-	-
Iron (dissolved)	-	-	-	-	-	-	-	-	-	-	330	-	-
Lead (dissolved)	-	-	-	-	-	-	-	-	-	-	7.4	-	-
Magnesium (dissolved)	-	-	-	-	-	-	-	-	-	-	280 J	-	-
Manganese (dissolved)	-	-	-	-	-	-	-	-	-	-	10 J	-	-
Mercury (dissolved)	0.66	2.78	-	-	-	-	-	-	-	-	0.20 U	-	-
Nickel (dissolved)	-	-	-	-	-	-	-	-	-	-	40 U	-	-
Potassium (dissolved)	-	-	-	-	-	-	-	-	-	-	370 J	-	-
Selenium (dissolved)	-	-	-	-	-	-	-	-	-	-	5.0 U	-	-
Silver (dissolved)	-	-	-	-	-	-	-	-	-	-	5.0 U	-	-
Sodium (dissolved)	-	-	-	-	-	-	-	-	-	-	1100 J	-	-
Thallium (dissolved)	-	-	-	-	-	-	-	-	-	-	10 U	-	-
Vanadium (dissolved)	-	-	-	-	-	-	-	-	-	-	7.0 U	-	-
Zinc (dissolved)	-	-	-	-	-	-	-	-	-	-	38 J	-	-
PCBs													
Aroclor-1016 (PCB-1016)	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	0.14	0.70	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	0.14	0.70	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons													
Total Petroleum Hydrocarbons (C10-C20)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C20-C34)	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 2

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO VI SCREENING CRITERIA
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

TABLE 2

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO VI SCREENING CRITERIA
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:			*Rinse Blank*	*Rinse Blank*	*Rinse Blank*	*Trip Blank*	*Trip Blank*	*Trip Blank*	*Trip Blank*	*Trip Blank*	*Trip Blank*	*Trip Blank*	*Trip Blank*	*Trip Blank*
Sample ID:			*RB-38443-070213-SK-088*	*GW-38443-070813-JT-100*	*GW-38443-070913-JT-103*	*TRIP BLANK-061113-001*	*TRIP BLANK-061213-002*	*TRIPBLANK-061313-003*	*TRIP BLANK-061413-004*	*TB-38443-061913-SM*	*TB-38443-062113-SM*	*TB-38443-062513-SM*	*TB-38443-062613-SM*	*TB-38443-062813-SM*
Sample Date:			*7/2/2013*	*7/8/2013*	*7/9/2013*	*6/11/2013*	*6/12/2013*	*6/13/2013*	*6/14/2013*	*6/19/2013*	*6/21/2013*	*6/25/2013*	*6/26/2013*	*6/28/2013*
Sample Depth:			-	-	-	-	-	-	-	-	-	-	-	-
Parameter	*Protection of Residential IA*	*Protection of Industrial IA*												
	c	*d*												
Volatile Organic Compounds														
1,1,1-Trichloroethane	7394.88	31286.05	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	2.80	14.00	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	4.45	22.86	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	6.53	33.51	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	196.80	824.71	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	36.17	151.58	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromo-3-chloropropane (DBCP)	0.03	0.33	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,2-Dibromoethane (Ethylene dibromide)	0.15	0.75	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	2675.31	11210.83	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	1.95	9.74	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	2.08	10.41	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	2.23	11.16	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	2235405.38	9457484.31	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	8135.84	34118.05	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	549460.29	2304188.31	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	22363547.42	97840519.95	10 U	10 U	10 U	1.1 J	10 U	1.2 J	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1.37	7.05	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	0.76	3.81	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	17.33	73.31	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon disulfide	1239.99	5265.69	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	0.36	1.77	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	408.98	1730.29	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	22036.04	98958.56	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	0.73	3.53	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane (Methyl chloride)	260.68	1081.56	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	1027.32	4239.73	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	2.81	14.06	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	7.13	31.38	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	3.01	15.21	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropyl benzene	893.32	3828.52	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl acetate	-	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl cyclohexane	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl tert butyl ether (MTBE)	391.69	1958.46	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene chloride	722.51	9031.38	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Naphthalene	4.00	20.01	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	8894.54	39135.98	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	12.99	64.95	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	19155.42	81042.17	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	377.69	1558.73	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	1.07	7.45	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane (CFC-11)	184.08	781.71	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trifluorotrichloroethane (Freon 113)	1441.56	6045.25	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	0.14	2.46	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes (total)	472.20	2077.68	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U

TABLE 2

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO VI SCREENING CRITERIA
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Metals														
Aluminum (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Magnesium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury (dissolved)	0.66	2.78	-	-	-	-	-	-	-	-	-	-	-	-
Nickel (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Potassium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs														
Aroclor-1016 (PCB-1016)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	0.14	0.70	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	0.14	0.70	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons														
Total Petroleum Hydrocarbons (C10-C20)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C20-C34)	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

expressed in units of
micrograms per litre (ug/L)
[1] - United States Environmental Protection Agency Regional Screening Levels (RSL) for Chemical Contaminants at Superfund Sites, May 2013

Groundwater concentrations protective of Indoor Air (IA) criteria were calculated from USEPA Residential and Industrial Indoor Air RSLs in accordance with the equation:

$C_{GW} = C_{IA}/(H \times \alpha \times 1000\ L/m^3)$,

where

C_{GW} = groundwater screening level (ug/L)

C_{IA} = target indoor air level (ug/m^3)

H = Henry's law constant (dimensionless)

α = groundwater attenuation factor (dimensionless)
Guidance for Indoor Air (April
2013)

- - Not applicable.
positively identified; however,
the associated parameter
detected. The associated
numerical value is the sample
numerical value is the

- Concentration was greater than applicable criteria.

TABLE 2

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO VI SCREENING CRITERIA
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

TABLE 2

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO VI SCREENING CRITERIA
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:			***Trip Blank***	***Trip Blank***	***Trip Blank***
Sample ID:			***TB-38443-070113-SK***	***TB-38443-070313-SK***	***TRIPBLANK-JT-001***
Sample Date:			***7/1/2013***	***7/3/2013***	***7/9/2013***
Sample Depth:			-	-	-
Parameter	***Protection of Residential IA***	***Protection of Industrial IA***			
	c	***d***			
Volatile Organic Compounds					
1,1,1-Trichloroethane	7394.88	31286.05	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	2.80	14.00	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	4.45	22.86	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	6.53	33.51	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	196.80	824.71	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	36.17	151.58	1.0 U	1.0 U	1.0 U
1,2-Dibromo-3-chloropropane (DBCP)	0.03	0.33	2.0 U	2.0 U	2.0 U
1,2-Dibromoethane (Ethylene dibromide)	0.15	0.75	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	2675.31	11210.83	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	1.95	9.74	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	2.08	10.41	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	-	-	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	2.23	11.16	1.0 U	1.0 U	1.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	2235405.38	9457484.31	10 U	10 U	10 U
2-Hexanone	8135.84	34118.05	10 U	10 U	10 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	549460.29	2304188.31	10 U	10 U	10 U
Acetone	22363547.42	97840519.95	2.3 J	1.4 J	10 U
Benzene	1.37	7.05	1.0 U	1.0 U	1.0 U
Bromodichloromethane	0.76	3.81	1.0 U	1.0 U	1.0 U
Bromoform	-	-	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	17.33	73.31	1.0 U	1.0 U	1.0 U
Carbon disulfide	1239.99	5265.69	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	0.36	1.77	1.0 U	1.0 U	1.0 U
Chlorobenzene	408.98	1730.29	1.0 U	1.0 U	1.0 U
Chloroethane	22036.04	96958.56	1.0 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	0.73	3.53	1.0 U	1.0 U	1.0 U
Chloromethane (Methyl chloride)	260.68	1081.56	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	-	-	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	-	-	1.0 U	1.0 U	1.0 U
Cyclohexane	1027.32	4239.73	1.0 U	1.0 U	1.0 U
Dibromochloromethane	2.81	14.06	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	7.13	31.38	1.0 U	1.0 U	1.0 U
Ethylbenzene	3.01	15.21	1.0 U	1.0 U	1.0 U
Isopropyl benzene	893.32	3828.52	1.0 U	1.0 U	1.0 U
Methyl acetate	-	-	10 U	10 U	10 U
Methyl cyclohexane	-	-	1.0 U	1.0 U	1.0 U
Methyl tert butyl ether (MTBE)	391.69	1958.46	1.0 U	1.0 U	1.0 U
Methylene chloride	722.51	9031.38	1.0 U	1.0 U	1.0 U
Naphthalene	4.00	20.01	1.0 U	1.0 U	1.0 U
Styrene	8894.54	39135.98	1.0 U	1.0 U	1.0 U
Tetrachloroethene	12.99	64.95	1.0 U	1.0 U	1.0 U
Toluene	19155.42	81042.17	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	377.69	1558.73	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	-	-	1.0 U	1.0 U	1.0 U
Trichloroethene	1.07	7.45	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane (CFC-11)	184.08	781.71	1.0 U	1.0 U	1.0 U
Trifluorotrichloroethane (Freon 113)	1441.56	6045.25	1.0 U	1.0 U	1.0 U
Vinyl chloride	0.14	2.46	1.0 U	1.0 U	1.0 U
Xylenes (total)	472.20	2077.68	2.0 U	2.0 U	2.0 U

TABLE 2

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO VI SCREENING CRITERIA
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Metals					
Aluminum (dissolved)	-	-	-	-	-
Antimony (dissolved)	-	-	-	-	-
Arsenic (dissolved)	-	-	-	-	-
Barium (dissolved)	-	-	-	-	-
Beryllium (dissolved)	-	-	-	-	-
Cadmium (dissolved)	-	-	-	-	-
Calcium (dissolved)	-	-	-	-	-
Chromium (dissolved)	-	-	-	-	-
Cobalt (dissolved)	-	-	-	-	-
Copper (dissolved)	-	-	-	-	-
Iron (dissolved)	-	-	-	-	-
Lead (dissolved)	-	-	-	-	-
Magnesium (dissolved)	-	-	-	-	-
Manganese (dissolved)	-	-	-	-	-
Mercury (dissolved)	0.66	2.78	-	-	-
Nickel (dissolved)	-	-	-	-	-
Potassium (dissolved)	-	-	-	-	-
Selenium (dissolved)	-	-	-	-	-
Silver (dissolved)	-	-	-	-	-
Sodium (dissolved)	-	-	-	-	-
Thallium (dissolved)	-	-	-	-	-
Vanadium (dissolved)	-	-	-	-	-
Zinc (dissolved)	-	-	-	-	-
PCBs					
Aroclor-1016 (PCB-1016)	-	-	-	-	-
Aroclor-1221 (PCB-1221)	0.14	0.70	-	-	-
Aroclor-1232 (PCB-1232)	0.14	0.70	-	-	-
Aroclor-1242 (PCB-1242)	-	-	-	-	-
Aroclor-1248 (PCB-1248)	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-
Petroleum Hydrocarbons					
Total Petroleum Hydrocarbons (C10-C20)	-	-	-	-	-
Total Petroleum Hydrocarbons (C20-C34)	-	-	-	-	-

TABLE 2

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO VI SCREENING CRITERIA
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

TABLE 2

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO VI SCREENING CRITERIA
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:
Sample ID:
Sample Date:
Sample Depth:

Parameter	***Protection of Residential IA***	***Protection of Industrial IA***
	c	***d***
Volatile Organic Compounds		
1,1,1-Trichloroethane	7394.88	31286.05
1,1,2,2-Tetrachloroethane	2.80	14.00
1,1,2-Trichloroethane	4.45	22.86
1,1-Dichloroethane	6.53	33.51
1,1-Dichloroethene	196.80	824.71
1,2,4-Trichlorobenzene	36.17	151.58
1,2-Dibromo-3-chloropropane (DBCP)	0.03	0.33
1,2-Dibromoethane (Ethylene dibromide)	0.15	0.75
1,2-Dichlorobenzene	2675.31	11210.83
1,2-Dichloroethane	1.95	9.74
1,2-Dichloropropane	2.08	10.41
1,3-Dichlorobenzene	-	-
1,4-Dichlorobenzene	2.23	11.16
2-Butanone (Methyl ethyl ketone) (MEK)	2235405.38	9457464.31
2-Hexanone	8135.84	34118.05
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	549460.29	2304188.31
Acetone	22363547.42	97840519.95
Benzene	1.37	7.05
Bromodichloromethane	0.76	3.81
Bromoform	-	-
Bromomethane (Methyl bromide)	17.33	73.31
Carbon disulfide	1239.99	5265.69
Carbon tetrachloride	0.36	1.77
Chlorobenzene	408.98	1730.29
Chloroethane	22036.04	96958.56
Chloroform (Trichloromethane)	0.73	3.53
Chloromethane (Methyl chloride)	260.68	1081.56
cis-1,2-Dichloroethene	-	-
cis-1,3-Dichloropropene	-	-
Cyclohexane	1027.32	4239.73
Dibromochloromethane	2.81	14.06
Dichlorodifluoromethane (CFC-12)	7.13	31.38
Ethylbenzene	3.01	15.21
Isopropyl benzene	893.32	3828.52
Methyl acetate	-	-
Methyl cyclohexane	-	-
Methyl tert butyl ether (MTBE)	391.69	1958.46
Methylene chloride	722.51	9031.38
Naphthalene	4.00	20.01
Styrene	8894.54	39135.98
Tetrachloroethene	12.99	64.95
Toluene	19155.42	81042.17
trans-1,2-Dichloroethene	377.69	1558.73
trans-1,3-Dichloropropene	-	-
Trichloroethene	1.07	7.45
Trichlorofluoromethane (CFC-11)	184.08	781.71
Trifluorotrichloroethane (Freon 113)	1441.56	6045.25
Vinyl chloride	0.14	2.46
Xylenes (total)	472.20	2077.68

TABLE 2

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO VI SCREENING CRITERIA
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Metals		
Aluminum (dissolved)	-	-
Antimony (dissolved)	-	-
Arsenic (dissolved)	-	-
Barium (dissolved)	-	-
Beryllium (dissolved)	-	-
Cadmium (dissolved)	-	-
Calcium (dissolved)	-	-
Chromium (dissolved)	-	-
Cobalt (dissolved)	-	-
Copper (dissolved)	-	-
Iron (dissolved)	-	-
Lead (dissolved)	-	-
Magnesium (dissolved)	-	-
Manganese (dissolved)	-	-
Mercury (dissolved)	0.66	2.78
Nickel (dissolved)	-	-
Potassium (dissolved)	-	-
Selenium (dissolved)	-	-
Silver (dissolved)	-	-
Sodium (dissolved)	-	-
Thallium (dissolved)	-	-
Vanadium (dissolved)	-	-
Zinc (dissolved)	-	-
PCBs		
Aroclor-1016 (PCB-1016)	-	-
Aroclor-1221 (PCB-1221)	0.14	0.70
Aroclor-1232 (PCB-1232)	0.14	0.70
Aroclor-1242 (PCB-1242)	-	-
Aroclor-1248 (PCB-1248)	-	-
Aroclor-1254 (PCB-1254)	-	-
Aroclor-1260 (PCB-1260)	-	-
Petroleum Hydrocarbons		
Total Petroleum Hydrocarbons (C10-C20)	-	-
Total Petroleum Hydrocarbons (C20-C34)	-	-

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SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO VI SCREENING CRITERIA
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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MORAINE, OHIO

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1,1,2,2-Tetrachloroethane	2.80	14.00
1,1,2-Trichloroethane	4.45	22.86
1,1-Dichloroethane	6.53	33.51
1,1-Dichloroethene	196.80	824.71
1,2,4-Trichlorobenzene	36.17	151.58
1,2-Dibromo-3-chloropropane (DBCP)	0.03	0.33
1,2-Dibromoethane (Ethylene dibromide)	0.15	0.75
1,2-Dichlorobenzene	2675.31	11210.83
1,2-Dichloroethane	1.95	9.74
1,2-Dichloropropane	2.08	10.41
1,3-Dichlorobenzene	-	-
1,4-Dichlorobenzene	2.23	11.16
2-Butanone (Methyl ethyl ketone) (MEK)	2235405.38	9457464.31
2-Hexanone	8135.84	34118.05
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	549460.29	2304188.31
Acetone	22363547.42	97840519.95
Benzene	1.37	7.05
Bromodichloromethane	0.76	3.81
Bromoform	-	-
Bromomethane (Methyl bromide)	17.33	73.31
Carbon disulfide	1239.99	5265.69
Carbon tetrachloride	0.36	1.77
Chlorobenzene	408.98	1730.29
Chloroethane	22036.04	96958.56
Chloroform (Trichloromethane)	0.73	3.53
Chloromethane (Methyl chloride)	260.68	1081.56
cis-1,2-Dichloroethene	-	-
cis-1,3-Dichloropropene	-	-
Cyclohexane	1027.32	4239.73
Dibromochloromethane	2.81	14.06
Dichlorodifluoromethane (CFC-12)	7.13	31.38
Ethylbenzene	3.01	15.21
Isopropyl benzene	893.32	3828.52
Methyl acetate	-	-
Methyl cyclohexane	-	-
Methyl tert butyl ether (MTBE)	391.69	1958.46
Methylene chloride	722.51	9031.38
Naphthalene	4.00	20.01
Styrene	8894.54	39135.98
Tetrachloroethene	12.99	64.95
Toluene	19155.42	81042.17
trans-1,2-Dichloroethene	377.69	1558.73
trans-1,3-Dichloropropene	-	-
Trichloroethene	1.07	7.45
Trichlorofluoromethane (CFC-11)	184.08	781.71
Trifluorotrichloroethane (Freon 113)	1441.56	6045.25
Vinyl chloride	0.14	2.46
Xylenes (total)	472.20	2077.68

TABLE 2

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO VI SCREENING CRITERIA
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Metals		
Aluminum (dissolved)	-	-
Antimony (dissolved)	-	-
Arsenic (dissolved)	-	-
Barium (dissolved)	-	-
Beryllium (dissolved)	-	-
Cadmium (dissolved)	-	-
Calcium (dissolved)	-	-
Chromium (dissolved)	-	-
Cobalt (dissolved)	-	-
Copper (dissolved)	-	-
Iron (dissolved)	-	-
Lead (dissolved)	-	-
Magnesium (dissolved)	-	-
Manganese (dissolved)	-	-
Mercury (dissolved)	0.66	2.78
Nickel (dissolved)	-	-
Potassium (dissolved)	-	-
Selenium (dissolved)	-	-
Silver (dissolved)	-	-
Sodium (dissolved)	-	-
Thallium (dissolved)	-	-
Vanadium (dissolved)	-	-
Zinc (dissolved)	-	-
PCBs		
Aroclor-1016 (PCB-1016)	-	-
Aroclor-1221 (PCB-1221)	0.14	0.70
Aroclor-1232 (PCB-1232)	0.14	0.70
Aroclor-1242 (PCB-1242)	-	-
Aroclor-1248 (PCB-1248)	-	-
Aroclor-1254 (PCB-1254)	-	-
Aroclor-1260 (PCB-1260)	-	-
Petroleum Hydrocarbons		
Total Petroleum Hydrocarbons (C10-C20)	-	-
Total Petroleum Hydrocarbons (C20-C34)	-	-

TABLE 2

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO VI SCREENING CRITERIA
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:
Sample ID:
Sample Date:
Sample Depth:

Parameter	***Protection of Residential IA***	***Protection of Industrial IA***
	c	***d***
Volatile Organic Compounds		
1,1,1-Trichloroethane	7394.88	31286.05
1,1,2,2-Tetrachloroethane	2.80	14.00
1,1,2-Trichloroethane	4.45	22.86
1,1-Dichloroethane	6.53	33.51
1,1-Dichloroethene	196.80	824.71
1,2,4-Trichlorobenzene	36.17	151.58
1,2-Dibromo-3-chloropropane (DBCP)	0.03	0.33
1,2-Dibromoethane (Ethylene dibromide)	0.15	0.75
1,2-Dichlorobenzene	2675.31	11210.83
1,2-Dichloroethane	1.95	9.74
1,2-Dichloropropane	2.08	10.41
1,3-Dichlorobenzene	-	-
1,4-Dichlorobenzene	2.23	11.16
2-Butanone (Methyl ethyl ketone) (MEK)	2235405.38	9457464.31
2-Hexanone	8135.84	34118.05
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	549460.29	2304188.31
Acetone	22363547.42	97840519.95
Benzene	1.37	7.05
Bromodichloromethane	0.76	3.81
Bromoform	-	-
Bromomethane (Methyl bromide)	17.33	73.31
Carbon disulfide	1239.99	5265.69
Carbon tetrachloride	0.36	1.77
Chlorobenzene	408.98	1730.29
Chloroethane	22036.04	96958.56
Chloroform (Trichloromethane)	0.73	3.53
Chloromethane (Methyl chloride)	260.68	1081.56
cis-1,2-Dichloroethene	-	-
cis-1,3-Dichloropropene	-	-
Cyclohexane	1027.32	4239.73
Dibromochloromethane	2.81	14.06
Dichlorodifluoromethane (CFC-12)	7.13	31.38
Ethylbenzene	3.01	15.21
Isopropyl benzene	893.32	3828.52
Methyl acetate	-	-
Methyl cyclohexane	-	-
Methyl tert butyl ether (MTBE)	391.69	1958.46
Methylene chloride	722.51	9031.38
Naphthalene	4.00	20.01
Styrene	8894.54	39135.98
Tetrachloroethene	12.99	64.95
Toluene	19155.42	81042.17
trans-1,2-Dichloroethene	377.69	1558.73
trans-1,3-Dichloropropene	-	-
Trichloroethene	1.07	7.45
Trichlorofluoromethane (CFC-11)	184.08	781.71
Trifluorotrichloroethane (Freon 113)	1441.56	6045.25
Vinyl chloride	0.14	2.46
Xylenes (total)	472.20	2077.68

TABLE 2

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO VI SCREENING CRITERIA
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Metals		
Aluminum (dissolved)	-	-
Antimony (dissolved)	-	-
Arsenic (dissolved)	-	-
Barium (dissolved)	-	-
Beryllium (dissolved)	-	-
Cadmium (dissolved)	-	-
Calcium (dissolved)	-	-
Chromium (dissolved)	-	-
Cobalt (dissolved)	-	-
Copper (dissolved)	-	-
Iron (dissolved)	-	-
Lead (dissolved)	-	-
Magnesium (dissolved)	-	-
Manganese (dissolved)	-	-
Mercury (dissolved)	0.66	2.78
Nickel (dissolved)	-	-
Potassium (dissolved)	-	-
Selenium (dissolved)	-	-
Silver (dissolved)	-	-
Sodium (dissolved)	-	-
Thallium (dissolved)	-	-
Vanadium (dissolved)	-	-
Zinc (dissolved)	-	-
PCBs		
Aroclor-1016 (PCB-1016)	-	-
Aroclor-1221 (PCB-1221)	0.14	0.70
Aroclor-1232 (PCB-1232)	0.14	0.70
Aroclor-1242 (PCB-1242)	-	-
Aroclor-1248 (PCB-1248)	-	-
Aroclor-1254 (PCB-1254)	-	-
Aroclor-1260 (PCB-1260)	-	-
Petroleum Hydrocarbons		
Total Petroleum Hydrocarbons (C10-C20)	-	-
Total Petroleum Hydrocarbons (C20-C34)	-	-

TABLE 2

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO VI SCREENING CRITERIA
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:
Sample ID:
Sample Date:
Sample Depth:

Parameter	***Protection of Residential IA***	***Protection of Industrial IA***
	c	***d***
Volatile Organic Compounds		
1,1,1-Trichloroethane	7394.88	31286.05
1,1,2,2-Tetrachloroethane	2.80	14.00
1,1,2-Trichloroethane	4.45	22.86
1,1-Dichloroethane	6.53	33.51
1,1-Dichloroethene	196.80	824.71
1,2,4-Trichlorobenzene	36.17	151.58
1,2-Dibromo-3-chloropropane (DBCP)	0.03	0.33
1,2-Dibromoethane (Ethylene dibromide)	0.15	0.75
1,2-Dichlorobenzene	2675.31	11210.83
1,2-Dichloroethane	1.95	9.74
1,2-Dichloropropane	2.08	10.41
1,3-Dichlorobenzene	-	-
1,4-Dichlorobenzene	2.23	11.16
2-Butanone (Methyl ethyl ketone) (MEK)	2235405.38	9457464.31
2-Hexanone	8135.84	34118.05
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	549460.29	2304188.31
Acetone	22363547.42	97840519.95
Benzene	1.37	7.05
Bromodichloromethane	0.76	3.81
Bromoform	-	-
Bromomethane (Methyl bromide)	17.33	73.31
Carbon disulfide	1239.99	5265.69
Carbon tetrachloride	0.36	1.77
Chlorobenzene	408.98	1730.29
Chloroethane	22036.04	96958.56
Chloroform (Trichloromethane)	0.73	3.53
Chloromethane (Methyl chloride)	260.68	1081.56
cis-1,2-Dichloroethene	-	-
cis-1,3-Dichloropropene	-	-
Cyclohexane	1027.32	4239.73
Dibromochloromethane	2.81	14.06
Dichlorodifluoromethane (CFC-12)	7.13	31.38
Ethylbenzene	3.01	15.21
Isopropyl benzene	893.32	3828.52
Methyl acetate	-	-
Methyl cyclohexane	-	-
Methyl tert butyl ether (MTBE)	391.69	1958.46
Methylene chloride	722.51	9031.38
Naphthalene	4.00	20.01
Styrene	8894.54	39135.98
Tetrachloroethene	12.99	64.95
Toluene	19155.42	81042.17
trans-1,2-Dichloroethene	377.69	1558.73
trans-1,3-Dichloropropene	-	-
Trichloroethene	1.07	7.45
Trichlorofluoromethane (CFC-11)	184.08	781.71
Trifluorotrichloroethane (Freon 113)	1441.56	6045.25
Vinyl chloride	0.14	2.46
Xylenes (total)	472.20	2077.68

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SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO VI SCREENING CRITERIA
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Metals		
Aluminum (dissolved)	-	-
Antimony (dissolved)	-	-
Arsenic (dissolved)	-	-
Barium (dissolved)	-	-
Beryllium (dissolved)	-	-
Cadmium (dissolved)	-	-
Calcium (dissolved)	-	-
Chromium (dissolved)	-	-
Cobalt (dissolved)	-	-
Copper (dissolved)	-	-
Iron (dissolved)	-	-
Lead (dissolved)	-	-
Magnesium (dissolved)	-	-
Manganese (dissolved)	-	-
Mercury (dissolved)	0.66	2.78
Nickel (dissolved)	-	-
Potassium (dissolved)	-	-
Selenium (dissolved)	-	-
Silver (dissolved)	-	-
Sodium (dissolved)	-	-
Thallium (dissolved)	-	-
Vanadium (dissolved)	-	-
Zinc (dissolved)	-	-
PCBs		
Aroclor-1016 (PCB-1016)	-	-
Aroclor-1221 (PCB-1221)	0.14	0.70
Aroclor-1232 (PCB-1232)	0.14	0.70
Aroclor-1242 (PCB-1242)	-	-
Aroclor-1248 (PCB-1248)	-	-
Aroclor-1254 (PCB-1254)	-	-
Aroclor-1260 (PCB-1260)	-	-
Petroleum Hydrocarbons		
Total Petroleum Hydrocarbons (C10-C20)	-	-
Total Petroleum Hydrocarbons (C20-C34)	-	-

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SOUTH DAYTON DUMP AND LANDFILL SITE
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MORAINE, OHIO

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Sample Date:
Sample Depth:

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Bromoform	-	-
Bromomethane (Methyl bromide)	17.33	73.31
Carbon disulfide	1239.99	5265.69
Carbon tetrachloride	0.36	1.77
Chlorobenzene	408.98	1730.29
Chloroethane	22036.04	96958.56
Chloroform (Trichloromethane)	0.73	3.53
Chloromethane (Methyl chloride)	260.68	1081.56
cis-1,2-Dichloroethene	-	-
cis-1,3-Dichloropropene	-	-
Cyclohexane	1027.32	4239.73
Dibromochloromethane	2.81	14.06
Dichlorodifluoromethane (CFC-12)	7.13	31.38
Ethylbenzene	3.01	15.21
Isopropyl benzene	893.32	3828.52
Methyl acetate	-	-
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Methyl tert butyl ether (MTBE)	391.69	1958.46
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Trifluorotrichloroethane (Freon 113)	1441.56	6045.25
Vinyl chloride	0.14	2.46
Xylenes (total)	472.20	2077.68

TABLE 2

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO VI SCREENING CRITERIA
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Metals		
Aluminum (dissolved)	-	-
Antimony (dissolved)	-	-
Arsenic (dissolved)	-	-
Barium (dissolved)	-	-
Beryllium (dissolved)	-	-
Cadmium (dissolved)	-	-
Calcium (dissolved)	-	-
Chromium (dissolved)	-	-
Cobalt (dissolved)	-	-
Copper (dissolved)	-	-
Iron (dissolved)	-	-
Lead (dissolved)	-	-
Magnesium (dissolved)	-	-
Manganese (dissolved)	-	-
Mercury (dissolved)	0.66	2.78
Nickel (dissolved)	-	-
Potassium (dissolved)	-	-
Selenium (dissolved)	-	-
Silver (dissolved)	-	-
Sodium (dissolved)	-	-
Thallium (dissolved)	-	-
Vanadium (dissolved)	-	-
Zinc (dissolved)	-	-
PCBs		
Aroclor-1016 (PCB-1016)	-	-
Aroclor-1221 (PCB-1221)	0.14	0.70
Aroclor-1232 (PCB-1232)	0.14	0.70
Aroclor-1242 (PCB-1242)	-	-
Aroclor-1248 (PCB-1248)	-	-
Aroclor-1254 (PCB-1254)	-	-
Aroclor-1260 (PCB-1260)	-	-
Petroleum Hydrocarbons		
Total Petroleum Hydrocarbons (C10-C20)	-	-
Total Petroleum Hydrocarbons (C20-C34)	-	-

TABLE 2

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO VI SCREENING CRITERIA
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

TABLE 2

SUMMARY OF OU1 PHASE 1A GROUNDWATER RESULTS COMPARED TO VI SCREENING CRITERIA
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Notes:

All concentrations are expressed in units of micrograms per litre (µg/L) unless otherwise noted.

[1] - United States Environmental Protection Agency Regional Screening Levels (RSL) for Chemical Contaminants at Superfund Sites, May 2013

Groundwater concentrations protective of Indoor Air (IA) criteria were calculated from USEPA Residential and Industrial Indoor Air RSLs in accordance with the equation:

$C_{GW} = C_{IA}/(H \times \alpha \times 1000\ L/m^3)$,

where

C_{GW} = groundwater screening level (µg/L)

C_{IA} = target indoor air level (µg/m^3)

H = Henry's law constant (dimensionless)

α = groundwater attenuation factor (dimensionless)

where α = 0.001, in accordance with the medium-specific attenuation factor for residential buildings specified in the Draft OSWER Final Guidance for Assessing and Mitigating the Vapor Intrusion Pathway from Subsurface Sources to Indoor Air (April 2013)

- - Not applicable.

J - The parameter was positively identified; however, the associated parameter concentration is estimated.

U - The parameter was not detected. The associated numerical value is the sample quantitation limit.

UJ - The parameter was not detected. The associated numerical value is the estimated sample quantitation limit.

- Concentration was greater than applicable criteria.

TABLE 3

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:			*BH30-13*	*BH31-13*	*BH31-13*	*BH31-13*	*BH32-13*	*BH33-13*	*BH33-13*	*BH34-13*
Sample ID:			*S-38443-070213-JT-087*	*S-38443-070113-JC-076*	*S-38443-070113-JC-077*	*S-38443-070113-JC-078*	*S-38443-070213-JC-079*	*S-38443-062613-JT-060*	*S-38443-062613-JT-061*	*S-38443-062713-JT-062*
Sample Date:			*7/2/2013*	*7/1/2013*	*7/1/2013*	*7/1/2013*	*7/2/2013*	*6/26/2013*	*6/26/2013*	*6/27/2013*
Sample Depth:	*USEPA Regional Screening Levels [1]*		*29.5-31.5 ft BGS*	*18-20 ft BGS*	*18-20 ft BGS*	*26.5-28.5 ft BGS*	*26.5-28.5 ft BGS*	*22-25 ft BGS*	*22-25 ft BGS*	*4-6 ft BGS*
					Duplicate				*Duplicate*	
Parameter	*Residential Soil*	*Industrial Soil*								
	a	*b*								
Volatile Organic Compounds										
1,1,1-Trichloroethane	8700000	38000000	4.5 U	260 U	250 U	5.5 U	5.4 U	4800 U	4200 U	5.0 U
1,1,2,2-Tetrachloroethane	560	2800	4.5 U	260 U	250 U	5.5 U	5.4 U	4800 U	4200 U	5.0 U
1,1,2-Trichloroethane	1100	5300	4.5 U	260 U	250 U	5.5 U	5.4 U	4800 U	4200 U	5.0 U
1,1-Dichloroethane	3300	17000	4.5 U	260 U	250 U	5.5 U	5.4 U	4800 U	4200 U	5.0 U
1,1-Dichloroethene	240000	1100000	4.5 U	260 U	250 U	5.5 U	5.4 U	4800 U	4200 U	5.0 U
1,2,4-Trichlorobenzene	22000	99000	4.5 U	260 U	250 U	5.5 U	5.4 U	4800 U	4200 U	5.0 U
1,2-Dibromo-3-chloropropane (DBCP)	5.4	69	9.0 U	520 U	510 U	11 U	11 U	9600 UJ	8400 U	10 U
1,2-Dibromoethane (Ethylene dibromide)	34	170	4.5 U	260 U	250 U	5.5 U	5.4 U	4800 U	4200 U	5.0 U
1,2-Dichlorobenzene	1900000	9800000	4.5 U	260 U	250 U	5.5 U	5.4 U	4800 U	4200 U	5.0 U
1,2-Dichloroethane	430	2200	4.5 U	260 U	250 U	5.5 U	5.4 U	4800 U	4200 U	5.0 U
1,2-Dichloropropane	940	4700	4.5 U	260 U	250 U	5.5 U	5.4 U	4800 U	4200 U	5.0 U
1,3-Dichlorobenzene	-	-	4.5 U	260 U	250 U	5.5 U	5.4 U	4800 U	4200 U	5.0 U
1,4-Dichlorobenzene	2400	12000	4.5 U	260 U	250 U	5.5 U	5.4 U	4800 U	4200 U	5.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	28000000	200000000	18 U	49 J	60 J	3.0 J	7.3 J	19000 U	17000 U	15 J
2-Hexanone	210000	1400000	18 U	1000 U	1000 U	22 U	21 U	19000 U	17000 U	20 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	5300000	53000000	18 U	1000 U	1000 U	22 U	21 U	19000 U	17000 U	0.94 J
Acetone	61000000	630000000	18 U	1000 U	1000 U	22 U	25 U	28000	17000 U	83 U
Benzene	1100	5400	0.45 J	260 U	250 U	5.5 U	5.4 U	4800 U	4200 U	5.0 U
Bromodichloromethane	270	1400	4.5 U	260 U	250 U	5.5 U	5.4 U	4800 U	4200 U	5.0 U
Bromoform	62000	220000	4.5 U	260 U	250 U	5.5 U	5.4 U	4800 U	4200 U	5.0 U
Bromomethane (Methyl bromide)	7300	32000	4.5 U	260 U	250 U	5.5 U	5.4 U	4800 U	4200 UJ	5.0 U
Carbon disulfide	820000	3700000	4.5 U	17 J	22 J	5.5 U	5.4 U	4800 U	4200 U	5.0 U
Carbon tetrachloride	610	3000	4.5 U	260 U	250 U	5.5 U	5.4 U	4800 U	4200 U	5.0 U
Chlorobenzene	290000	1400000	4.5 U	260 U	250 U	5.5 U	5.4 U	4800 U	4200 U	5.0 U
Chloroethane	15000000	61000000	4.5 U	260 U	250 U	5.5 U	5.4 U	4800 U	4200 UJ	5.0 U
Chloroform (Trichloromethane)	290	1500	4.5 U	260 U	250 U	5.5 U	5.4 U	4800 U	4200 U	5.0 U
Chloromethane (Methyl chloride)	120000	500000	4.5 U	260 U	250 U	5.5 U	5.4 U	4800 U	4200 U	5.0 U
cis-1,2-Dichloroethene	160000	2000000	4.5 U	260 U	250 U	5.5 U	5.4 U	98000	1000 J	1.2 J
cis-1,3-Dichloropropene	-	-	4.5 U	260 U	250 U	5.5 U	5.4 U	4800 U	4200 U	5.0 U
Cyclohexane	7000000	29000000	0.46 J	520 U	510 U	11 U	11 U	9600 U	8400 U	1.8 J
Dibromochloromethane	680	3300	4.5 U	260 U	250 U	5.5 U	5.4 U	4800 U	4200 U	5.0 U
Dichlorodifluoromethane (CFC-12)	94000	400000	4.5 U	260 U	250 U	5.5 U	5.4 U	4800 U	4200 U	5.0 U
Ethylbenzene	5400	27000	0.71 J	13 J	18 J	5.5 U	5.4 U	62000[ab]	25000[a]	6.9
Isopropyl benzene	2100000	11000000	4.5 U	51 J	73 J	5.5 U	5.4 U	6400	4300	7.3
Methyl acetate	78000000	1000000000	9.0 U	170 J	210 J	1.6 J	11 U	9600 U	8400 U	10 U
Methyl cyclohexane	-	-	0.87 J	520 U	16 J	11 U	11 U	1600 J	810 J	18
Methyl tert butyl ether (MTBE)	43000	220000	4.5 U	260 U	250 U	5.5 U	5.4 U	4800 U	4200 U	5.0 U
Methylene chloride	56000	960000	4.5 U	260 U	250 U	0.96 J	5.4 U	8800 U	4900 U	5.0 UJ
Styrene	6300000	36000000	4.5 U	260 U	250 U	5.5 U	5.4 U	4800 U	4200 U	5.0 U
Tetrachloroethene	22000	110000	0.50 J	43 J	37 J	5.5 U	5.4 U	4800 U	4200 U	5.0 U
Toluene	5000000	45000000	1.6 J	260 U	250 U	0.52 J	0.51 J	87000 J	8400 J	3.3 J

TABLE 3

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

trans-1,2-Dichloroethene	150000	690000	trans-1,2-Dichloroethene	150000	690000	4.5 U	260 U	250 U	5.5 U	5.4 U
trans-1,3-Dichloropropene	-	-	trans-1,3-Dichloropropene	-	-	4.5 U	260 U	250 U	5.5 U	5.4 U
Trichloroethene	910	6400	Trichloroethene	910	6400	4.7 J	260 U	250 U	5.5 U	5.4 U
Trichlorofluoromethane (CFC-11)	790000	3400000	Trichlorofluoromethane (CFC-11)	790000	3400000	4.5 U	260 U	250 U	5.5 U	5.4 U
Trifluorotrichloroethane (Freon 113)	43000000	180000000	Trifluorotrichloroethane (Freon 113)	43000000	180000000	4.5 U	260 U	250 U	5.5 U	5.4 U
Vinyl chloride	60	1700	Vinyl chloride	60	1700	4.5 U	260 U	250 U	5.5 U	5.4 U
Xylenes (total)	630000	2700000	Xylenes (total)	630000	2700000	9.0 U	520 U	83 J	11 U	11 U
PCBs			***PCBs***							
Aroclor-1016 (PCB-1016)	3900	21000	Aroclor-1016 (PCB-1016)	3900	21000	-	-	-	-	-
Aroclor-1221 (PCB-1221)	140	540	Aroclor-1221 (PCB-1221)	140	540	-	-	-	-	-
Aroclor-1232 (PCB-1232)	140	540	Aroclor-1232 (PCB-1232)	140	540	-	-	-	-	-
Aroclor-1242 (PCB-1242)	220	740	Aroclor-1242 (PCB-1242)	220	740	-	-	-	-	-
Aroclor-1248 (PCB-1248)	220	740	Aroclor-1248 (PCB-1248)	220	740	-	-	-	-	-
Aroclor-1254 (PCB-1254)	220	740	Aroclor-1254 (PCB-1254)	220	740	-	-	-	-	-
Aroclor-1260 (PCB-1260)	220	740	Aroclor-1260 (PCB-1260)	220	740	-	-	-	-	-

TABLE 3

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

TABLE 3

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:			*BH33-13*	*BH33-13*	*BH34-13*	*BH34-13*	*BH35-13*	*BH36-13*	*BH36-13*	*BH37-13*	*BH38-13*
Sample ID:			*S-38443-062613-JT-060*	*S-38443-062613-JT-061*	*S-38443-062713-JT-062*	*S-38443-062713-JT-063*	*S-38443-062813-JT-068*	*S-38443-070113-JT-082*	*S-38443-070113-JT-083*	*S-38443-070213-JT-086*	*S-38443-062713-JT-064*
Sample Date:			*6/26/2013*	*6/26/2013*	*6/27/2013*	*6/27/2013*	*6/28/2013*	*7/1/2013*	*7/1/2013*	*7/2/2013*	*6/27/2013*
Sample Depth:	*USEPA Regional Screening Levels [7]*		*22-25 ft BGS*	*22-25 ft BGS*	*4-6 ft BGS*	*24.5-26.5 ft BGS*	*24.5-26.5 ft BGS*	*0-2 ft BGS*	*30-32 ft BGS*	*25-27 ft BGS*	*2-4 ft BGS*
				Duplicate							
Parameter	*Residential Soil*	*Industrial Soil*									
	a	*b*									
Volatile Organic Compounds											
1,1,1-Trichloroethane	8700000	38000000	4800 U	4200 U	5.0 U	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	570 U
1,1,2,2-Tetrachloroethane	560	2800	4800 U	4200 U	5.0 U	4.3 U	R	4.9 U	4.5 U	4.3 U	570 U
1,1,2-Trichloroethane	1100	5300	4800 U	4200 U	5.0 U	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	570 U
1,1-Dichloroethane	3300	17000	4800 U	4200 U	5.0 U	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	280 J
1,1-Dichloroethene	240000	1100000	4800 U	4200 U	5.0 U	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	49 J
1,2,4-Trichlorobenzene	22000	99000	4800 U	4200 U	5.0 U	4.3 U	R	4.9 U	4.5 U	4.3 U	570 U
1,2-Dibromo-3-chloropropane (DBCP)	5.4	69	9600 UJ	8400 U	10 U	8.6 U	R	9.8 U	9.1 UJ	8.7 U	1100 U
1,2-Dibromoethane (Ethylene dibromide)	34	170	4800 U	4200 U	5.0 U	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	570 U
1,2-Dichlorobenzene	1900000	9800000	4800 U	4200 U	5.0 U	4.3 U	R	4.9 U	4.5 U	4.3 U	570 U
1,2-Dichloroethane	430	2200	4800 U	4200 U	5.0 U	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	570 U
1,2-Dichloropropane	940	4700	4800 U	4200 U	5.0 U	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	570 U
1,3-Dichlorobenzene	-	-	4800 U	4200 U	5.0 U	4.3 U	R	4.9 U	4.5 U	4.3 U	570 U
1,4-Dichlorobenzene	2400	12000	4800 U	4200 U	5.0 U	4.3 U	R	4.9 U	4.5 U	4.3 U	570 U
2-Butanone (Methyl ethyl ketone) (MEK)	28000000	200000000	19000 U	17000 U	15 J	1.8 J	17 J	5.1 J	1.3 J	17 U	2300 U
2-Hexanone	210000	1400000	19000 U	17000 U	20 U	17 U	36 UJ	20 U	18 U	17 U	2300 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	5300000	53000000	19000 U	17000 U	0.94 J	17 U	36 UJ	0.90 J	18 U	17 U	2300 U
Acetone	61000000	630000000	28000	17000 U	83 U	17 U	81 UJ	20 U	18 U	17 U	2300 U
Benzene	1100	5400	4800 U	4200 U	5.0 U	4.3 U	12 J	4.9 U	0.71 J	1.7 J	510 J
Bromodichloromethane	270	1400	4800 U	4200 U	5.0 U	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	570 U
Bromoform	62000	220000	4800 U	4200 U	5.0 U	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	570 U
Bromomethane (Methyl bromide)	7300	32000	4800 U	4200 UJ	5.0 U	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	570 U
Carbon disulfide	820000	3700000	4800 U	4200 U	5.0 U	0.48 J	2.7 J	0.63 J	4.5 U	4.3 U	570 U
Carbon tetrachloride	610	3000	4800 U	4200 U	5.0 U	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	570 U
Chlorobenzene	290000	1400000	4800 U	4200 U	5.0 U	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	23 J
Chloroethane	15000000	61000000	4800 U	4200 UJ	5.0 U	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	570 U
Chloroform (Trichloromethane)	290	1500	4800 U	4200 U	5.0 U	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	570 U
Chloromethane (Methyl chloride)	120000	500000	4800 U	4200 U	5.0 U	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	570 U
cis-1,2-Dichloroethene	160000	2000000	98000	1000 J	1.2 J	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	1000
cis-1,3-Dichloropropene	-	-	4800 U	4200 U	5.0 U	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	570 U
Cyclohexane	7000000	29000000	9600 U	8400 U	1.8 J	8.6 U	18 UJ	9.8 U	1.4 J	2.4 J	600 J
Dibromochloromethane	680	3300	4800 U	4200 U	5.0 U	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	570 U
Dichlorodifluoromethane (CFC-12)	94000	400000	4800 U	4200 U	5.0 U	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	570 U
Ethylbenzene	5400	27000	62000[ab]	25000[a]	6.9	4.3 U	8.9 UJ	4.9 U	1.4 J	2.5 J	15000[a]
Isopropyl benzene	2100000	11000000	6400	4300	7.3	4.3 U	8.9 UJ	4.9 U	4.5 U	0.55 J	280 J
Methyl acetate	78000000	1000000000	9600 U	8400 U	10 U	8.6 U	18 UJ	9.8 U	9.1 U	8.7 U	240 J
Methyl cyclohexane	-	-	1600 J	810 J	18	1.3 J	18 UJ	9.8 U	2.5 J	3.2 J	1100
Methyl tert butyl ether (MTBE)	43000	220000	4800 U	4200 U	5.0 U	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	570 U
Methylene chloride	56000	960000	8800 U	4900 U	5.0 UJ	6.8 UJ	21 UJ	4.9 U	5.8 UJ	4.3 U	740 UJ
Styrene	6300000	36000000	4800 U	4200 U	5.0 U	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	570 U
Tetrachloroethene	22000	110000	4800 U	4200 U	5.0 U	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	570 U
Toluene	5000000	45000000	87000 J	8400 J	3.3 J	0.43 J	2.2 J	0.38 J	2.6 J	2.5 J	670

TABLE 3

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

trans-1,2-Dichloroethene	150000	690000	270 J	4200 U	5.0 U	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	140 J
trans-1,3-Dichloropropene	-	-	4800 U	4200 U	5.0 U	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	570 U
Trichloroethene	910	6400	5300 J[a]	4200 U	5.0 U	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	1600 J[a]
Trichlorofluoromethane (CFC-11)	790000	3400000	4800 U	4200 U	5.0 U	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	570 U
Trifluorotrichloroethane (Freon 113)	43000000	180000000	4800 U	4200 U	5.0 UJ	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	570 U
Vinyl chloride	60	1700	380 J[a]	4200 U	5.0 U	4.3 U	2.1 J	4.9 U	4.5 U	4.3 U	200 J[a]
Xylenes (total)	630000	2700000	280000 J	54000 J	27	8.6 U	18 UJ	9.8 U	2.7 J	4.6 J	14000
PCBs											
Aroclor-1016 (PCB-1016)	3900	21000	-	-	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	140	540	-	-	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	140	540	-	-	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	220	740	-	-	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	220	740	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	220	740	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	220	740	-	-	-	-	-	-	-	-	-

TABLE 3

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

TABLE 3

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:			*BH38-13*	*BH39-13*	*BH40-13*	*BH40-13*	*BH42-13*	*BH42-13*	*BH42-13*	*BH43-13*
Sample ID:			*S-38443-062713-JT-065*	*S-38443-070113-JC-075*	*S-38443-062813-JT-066*	*S-38443-062813-JT-067*	*S-38443-070113-JT-069*	*S-38443-070113-JT-080*	*S-38443-070113-JT-081*	*S-38443-070113-JC-074*
Sample Date:			*6/27/2013*	*7/1/2013*	*6/28/2013*	*6/28/2013*	*7/1/2013*	*7/1/2013*	*7/1/2013*	*7/1/2013*
Sample Depth:	*USEPA Regional Screening Levels [1]*		*25.5-27.5 ft BGS*	*28-30 ft BGS*	*18-20 ft BGS*	*18-20 ft BGS*	*2-4 ft BGS*	*2-4 ft BGS*	*20-22 ft BGS*	*26.8-28.7 ft BGS*
						Duplicate		*Duplicate*		
Parameter	*Residential Soil*	*Industrial Soil*								
	a	*b*								
Volatile Organic Compounds										
1,1,1-Trichloroethane	8700000	38000000	3.9 U	5.4 U	8.3 U	580 U	3100 U	3000 U	260 U	4.3 U
1,1,2,2-Tetrachloroethane	560	2800	3.9 U	5.4 U	8.3 UJ	580 U	3100 U	3000 U	260 U	4.3 U
1,1,2-Trichloroethane	1100	5300	3.9 U	5.4 U	8.3 U	580 U	3100 U	3000 U	260 U	4.3 U
1,1-Dichloroethane	3300	17000	3.9 U	5.4 U	8.3 U	580 U	3100 U	3000 U	71 J	4.3 U
1,1-Dichloroethene	240000	1100000	3.9 U	5.4 U	8.3 U	580 U	3100 U	3000 U	260 U	4.3 U
1,2,4-Trichlorobenzene	22000	99000	3.9 U	5.4 U	8.3 UJ	580 U	3100 U	3000 U	260 U	4.3 U
1,2-Dibromo-3-chloropropane (DBCP)	5.4	69	7.8 U	11 U	17 UJ	1200 U	6300 U	6100 U	520 U	8.6 U
1,2-Dibromoethane (Ethylene dibromide)	34	170	3.9 U	5.4 U	8.3 U	580 U	3100 U	3000 U	260 U	4.3 U
1,2-Dichlorobenzene	1900000	9800000	3.9 U	5.4 U	8.3 UJ	580 U	3100 U	3000 U	260 U	4.3 U
1,2-Dichloroethane	430	2200	3.9 U	5.4 U	8.3 U	580 U	3100 U	3000 U	260 U	4.3 U
1,2-Dichloropropane	940	4700	3.9 U	5.4 U	8.3 U	580 U	3100 U	3000 U	260 U	4.3 U
1,3-Dichlorobenzene	-	-	3.9 U	5.4 U	8.3 UJ	580 U	3100 U	3000 U	260 U	4.3 U
1,4-Dichlorobenzene	2400	12000	3.9 U	5.4 U	8.3 UJ	580 U	3100 U	3000 U	260 U	4.3 U
2-Butanone (Methyl ethyl ketone) (MEK)	28000000	200000000	2.2 J	2.8 J	23 J	120 J	13000 U	12000 U	100 J	17 U
2-Hexanone	210000	1400000	16 U	22 U	33 U	2300 U	13000 U	12000 U	1000 U	17 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	5300000	53000000	16 U	0.73 J	33 U	2300 U	900 J	12000 U	1000 U	17 U
Acetone	61000000	630000000	20 U	22 U	110 U	2300 U	13000 U	12000 U	1000 U	17 U
Benzene	1100	5400	3.9 U	5.4 U	6.9 J	310 J	350 J	150 J	47 J	0.20 J
Bromodichloromethane	270	1400	3.9 U	5.4 U	8.3 U	580 U	3100 U	3000 U	260 U	4.3 U
Bromoform	62000	220000	3.9 U	5.4 U	8.3 U	580 U	3100 U	3000 U	260 U	4.3 U
Bromomethane (Methyl bromide)	7300	32000	3.9 U	5.4 U	8.3 U	580 U	3100 U	3000 U	260 U	4.3 U
Carbon disulfide	820000	3700000	3.9 U	5.4 U	1.0 J	580 U	3100 U	3000 U	97 J	4.3 U
Carbon tetrachloride	610	3000	3.9 U	5.4 U	8.3 U	580 U	3100 U	3000 U	260 U	4.3 U
Chlorobenzene	290000	1400000	3.9 U	5.4 U	8.3 U	580 U	3100 U	3000 U	260 U	4.3 U
Chloroethane	15000000	61000000	3.9 U	5.4 U	8.3 U	580 U	3100 U	3000 U	91 J	4.3 U
Chloroform (Trichloromethane)	290	1500	3.9 U	5.4 U	8.3 U	580 U	3100 U	3000 U	260 U	4.3 U
Chloromethane (Methyl chloride)	120000	500000	3.9 U	5.4 U	8.3 U	580 U	3100 U	3000 U	260 U	4.3 U
cis-1,2-Dichloroethene	160000	2000000	3.9 U	0.51 J	8.3 U	580 U	4000	1800 J	180 J	1.5 J
cis-1,3-Dichloropropene	-	-	3.9 U	5.4 U	8.3 U	580 U	3100 U	3000 U	260 U	4.3 U
Cyclohexane	7000000	29000000	7.8 U	11 U	17 U	1200 U	6300 U	6100 U	520 U	8.6 U
Dibromochloromethane	680	3300	3.9 U	5.4 U	8.3 U	580 U	3100 U	3000 U	260 U	4.3 U
Dichlorodifluoromethane (CFC-12)	94000	400000	3.9 U	5.4 U	8.3 U	580 U	3100 U	3000 U	260 U	4.3 U
Ethylbenzene	5400	27000	3.9 U	5.4 U	8.3 U	98 J	12000[a]	4300	470	4.3 U
Isopropyl benzene	2100000	11000000	3.9 U	5.4 U	8.3 U	100 J	2800 J	1100 J	180 J	4.3 U
Methyl acetate	78000000	1000000000	7.8 U	11 U	17 U	380 J	690 J	380 J	98 J	8.6 U
Methyl cyclohexane	-	-	7.8 U	11 U	1.2 J	44 J	3800 J	930 J	310 J	8.6 U
Methyl tert butyl ether (MTBE)	43000	220000	3.9 U	5.4 U	8.3 U	580 U	3100 U	3000 U	260 U	4.3 U
Methylene chloride	56000	960000	5.7 UJ	3.1 J	17 UJ	580 U	3100 U	3000 U	260 U	1.4 J
Styrene	6300000	36000000	3.9 U	5.4 U	8.3 U	580 U	3100 U	3000 U	260 U	4.3 U
Tetrachloroethene	22000	110000	3.9 U	5.4 U	8.3 U	580 U	320 J	3000 U	13 J	4.3 U
Toluene	5000000	45000000	1.7 J	0.31 J	2.6 J	270 J	12000	1800 J	490	0.58 J

TABLE 3

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

trans-1,2-Dichloroethene	150000	690000	3.9 U	5.4 U	8.3 U	580 U	290 J	130 J	260 U	4.3 U
trans-1,3-Dichloropropene	-	-	3.9 U	5.4 U	8.3 U	580 U	3100 U	3000 U	260 U	4.3 U
Trichloroethene	910	6400	3.9 U	5.4 U	8.3 U	580 U	3100 U	3000 U	260 U	4.3 U
Trichlorofluoromethane (CFC-11)	790000	3400000	3.9 U	5.4 U	8.3 U	580 U	3100 U	3000 U	260 U	4.3 U
Trifluorotrichloroethane (Freon 113)	43000000	180000000	3.9 U	5.4 U	8.3 U	580 U	3100 U	3000 U	260 U	4.3 U
Vinyl chloride	60	1700	3.9 U	5.4 U	8.3 U	580 U	3100 U	3000 U	21 J	4.3 U
Xylenes (total)	630000	2700000	7.8 U	11 U	17 U	380 J	27000	10000	950	8.6 U
PCBs										
Aroclor-1016 (PCB-1016)	3900	21000	-	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	140	540	-	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	140	540	-	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	220	740	-	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	220	740	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	220	740	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	220	740	-	-	-	-	-	-	-	-

TABLE 3

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

TABLE 3

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:			***BH44-13***	***BH44-13***	***BH44-13***	***BH44-13***	***BH51-13***	***BH51-13***	***BH52-13***	***BH52-13***
Sample ID:			***S-38443-070113-JT-084***	***S-38443-070113-JT-085***	***S-38443-070213-JT-084***	***S-38443-070213-JT-085***	***S-38443-062113-JT-027***	***S-38443-062113-JT-028***	***S-38443-061913-JC-014***	***S-38443-061913-JC-015***
Sample Date:			***7/1/2013***	***7/1/2013***	***7/2/2013***	***7/2/2013***	***6/21/2013***	***6/21/2013***	***6/19/2013***	***6/19/2013***
Sample Depth:	***USEPA Regional Screening Levels [7]***		***2-4 ft BGS***	***35.5-37.5 ft BGS***	***2-4 ft BGS***	***35.5-37.5 ft BGS***	***0-2 ft BGS***	***19.3-21.3 ft BGS***	***21.8-23.8 ft BGS***	***21.8-23.8 ft BGS***
										Duplicate
Parameter	***Residential Soil***	***Industrial Soil***								
	a	***b***								
Volatile Organic Compounds										
1,1,1-Trichloroethane	8700000	38000000	230 U	550 U	-	-	350 U	5.5 U	R	4.5 U
1,1,2,2-Tetrachloroethane	560	2800	230 U	550 U	-	-	350 U	5.5 U	R	4.5 U
1,1,2-Trichloroethane	1100	5300	230 U	550 U	-	-	350 U	5.5 U	R	4.5 U
1,1-Dichloroethane	3300	17000	230 U	550 U	-	-	350 U	5.5 U	R	4.5 U
1,1-Dichloroethene	240000	1100000	230 U	550 U	-	-	350 U	5.5 U	R	4.5 U
1,2,4-Trichlorobenzene	22000	99000	230 U	550 U	-	-	350 U	5.5 U	R	4.5 U
1,2-Dibromo-3-chloropropane (DBCP)	5.4	69	450 U	1100 U	-	-	700 U	11 U	R	9.1 U
1,2-Dibromoethane (Ethylene dibromide)	34	170	230 U	550 U	-	-	350 U	5.5 U	R	4.5 U
1,2-Dichlorobenzene	1900000	9800000	230 U	550 U	-	-	350 U	5.5 U	R	4.5 U
1,2-Dichloroethane	430	2200	230 U	550 U	-	-	350 U	5.5 U	R	4.5 U
1,2-Dichloropropane	940	4700	230 U	550 U	-	-	350 U	5.5 U	R	4.5 U
1,3-Dichlorobenzene	-	-	230 U	550 U	-	-	350 U	5.5 U	R	4.5 U
1,4-Dichlorobenzene	2400	12000	230 U	550 U	-	-	350 U	5.5 U	R	4.5 U
2-Butanone (Methyl ethyl ketone) (MEK)	28000000	200000000	910 U	2200 U	-	-	1400 U	22 U	R	18 U
2-Hexanone	210000	1400000	910 U	2200 U	-	-	1400 U	22 U	R	18 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	5300000	53000000	910 U	2200 U	-	-	1400 U	22 U	R	18 U
Acetone	61000000	630000000	910 U	2200 U	-	-	1400 U	22 U	25 UJ	18 U
Benzene	1100	5400	13 J	550 U	-	-	350 U	5.5 U	R	4.5 U
Bromodichloromethane	270	1400	230 U	550 U	-	-	350 U	5.5 U	R	4.5 U
Bromoform	62000	220000	230 U	550 U	-	-	350 U	5.5 U	R	4.5 U
Bromomethane (Methyl bromide)	7300	32000	230 U	550 U	-	-	350 U	5.5 U	R	4.5 U
Carbon disulfide	820000	3700000	230 U	550 U	-	-	350 U	5.5 U	R	4.5 U
Carbon tetrachloride	610	3000	230 U	550 U	-	-	350 U	5.5 U	R	4.5 U
Chlorobenzene	290000	1400000	230 U	550 U	-	-	350 U	5.5 U	R	4.5 U
Chloroethane	15000000	61000000	230 U	550 U	-	-	350 U	5.5 U	R	4.5 U
Chloroform (Trichloromethane)	290	1500	230 U	550 U	-	-	350 U	5.5 U	R	4.5 U
Chloromethane (Methyl chloride)	120000	500000	230 U	550 U	-	-	350 U	5.5 U	R	4.5 U
cis-1,2-Dichloroethene	160000	2000000	230 U	410 J	-	-	350 U	5.5 U	R	4.5 U
cis-1,3-Dichloropropene	-	-	230 U	550 U	-	-	350 U	5.5 U	R	4.5 U
Cyclohexane	7000000	29000000	450 U	1100 U	-	-	700 U	11 U	R	9.1 U
Dibromochloromethane	680	3300	230 U	550 U	-	-	350 U	5.5 U	R	4.5 U
Dichlorodifluoromethane (CFC-12)	94000	400000	230 U	550 U	-	-	350 U	5.5 U	R	4.5 U
Ethylbenzene	5400	27000	8.6 J	67 J	-	-	350 U	5.5 U	R	4.5 U
Isopropyl benzene	2100000	11000000	230 U	450 J	-	-	350 U	5.5 U	R	4.5 U
Methyl acetate	78000000	1000000000	65 J	58 J	-	-	700 U	11 U	R	9.1 U
Methyl cyclohexane	-	-	32 J	1300	-	-	75 J	0.39 J	R	9.1 U
Methyl tert butyl ether (MTBE)	43000	220000	230 U	550 U	-	-	350 U	5.5 U	R	4.5 U
Methylene chloride	56000	960000	230 U	550 U	-	-	350 U	5.5 UJ	20 UJ	7.9 U
Styrene	6300000	36000000	230 U	550 U	-	-	350 U	5.5 U	R	4.5 U
Tetrachloroethene	22000	110000	230 U	550 U	-	-	20 J	5.5 U	R	4.5 U
Toluene	5000000	45000000	39 J	86 J	-	-	40 J	0.97 J	R	0.42 J

TABLE 3

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

trans-1,2-Dichloroethene	150000	690000	230 U	550 U	-	-	350 U	5.5 U	R	4.5 U
trans-1,3-Dichloropropene	-	-	230 U	550 U	-	-	350 U	5.5 U	R	4.5 U
Trichloroethene	910	6400	230 U	550 U	-	-	4300[a]	1.6 J	R	0.52 J
Trichlorofluoromethane (CFC-11)	790000	3400000	230 U	550 U	-	-	350 U	5.5 U	R	4.5 U
Trifluorotrichloroethane (Freon 113)	43000000	180000000	230 U	550 U	-	-	350 U	5.5 U	R	4.5 U
Vinyl chloride	60	1700	230 U	220 J[a]	-	-	350 U	5.5 U	R	4.5 U
Xylenes (total)	630000	2700000	450 U	1100 U	-	-	140 J	11 U	R	9.1 U
PCBs										
Aroclor-1016 (PCB-1016)	3900	21000	-	-	35 U	36 U	-	-	-	-
Aroclor-1221 (PCB-1221)	140	540	-	-	35 U	36 U	-	-	-	-
Aroclor-1232 (PCB-1232)	140	540	-	-	35 U	36 U	-	-	-	-
Aroclor-1242 (PCB-1242)	220	740	-	-	53	36 U	-	-	-	-
Aroclor-1248 (PCB-1248)	220	740	-	-	35 U	36 U	-	-	-	-
Aroclor-1254 (PCB-1254)	220	740	-	-	35 U	36 U	-	-	-	-
Aroclor-1260 (PCB-1260)	220	740	-	-	58 J	36 U	-	-	-	-

TABLE 3

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

TABLE 3

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:			*BH53-13*	*BH53-13*	*BH54-13*	*BH54-13*	*BH55-13*	*BH55-13*	*BH56-13*	*BH57-13*
Sample ID:			*S-38443-061813-JT-001*	*S-38443-061813-JT-002*	*S-38443-061813-JT-003*	*S-38443-061813-JT-004*	*S-38443-061813-JC-011*	*S-38443-061813-JC-012*	*S-38443-061813-JC-013*	*S-38443-061813-JT-005*
Sample Date:			*6/18/2013*	*6/18/2013*	*6/18/2013*	*6/18/2013*	*6/18/2013*	*6/18/2013*	*6/18/2013*	*6/18/2013*
Sample Depth:	*USEPA Regional Screening Levels [7]*		*0-2 ft BGS*	*19-21 ft BGS*	*4-6 ft BGS*	*18.5-20.5 ft BGS*	*2-4 ft BGS*	*22.5-24.5 ft BGS*	*21-23 ft BGS*	*21-23 ft BGS*
Parameter	*Residential Soil*	*Industrial Soil*								
	a	*b*								
Volatile Organic Compounds										
1,1,1-Trichloroethane	8700000	38000000	4.5 U	4.3 U	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U
1,1,2,2-Tetrachloroethane	560	2800	4.5 U	4.3 U	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U
1,1,2-Trichloroethane	1100	5300	4.5 U	4.3 U	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U
1,1-Dichloroethane	3300	17000	4.5 U	4.3 U	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U
1,1-Dichloroethene	240000	1100000	4.5 U	4.3 U	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U
1,2,4-Trichlorobenzene	22000	99000	4.5 U	4.3 U	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U
1,2-Dibromo-3-chloropropane (DBCP)	5.4	69	9.0 U	8.6 U	11 UJ	11 U	R	9.7 U	9.1 U	10 U
1,2-Dibromoethane (Ethylene dibromide)	34	170	4.5 U	4.3 U	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U
1,2-Dichlorobenzene	1900000	9800000	4.5 U	4.3 U	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U
1,2-Dichloroethane	430	2200	4.5 U	4.3 U	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U
1,2-Dichloropropane	940	4700	4.5 U	4.3 U	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U
1,3-Dichlorobenzene	-	-	4.5 U	4.3 U	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U
1,4-Dichlorobenzene	2400	12000	4.5 U	4.3 U	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U
2-Butanone (Methyl ethyl ketone) (MEK)	28000000	200000000	18 U	17 U	22 UJ	21 U	R	19 U	18 U	21 U
2-Hexanone	210000	1400000	18 U	17 U	22 UJ	21 U	R	19 U	18 U	21 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	5300000	53000000	18 U	17 U	22 UJ	21 U	R	19 U	18 U	21 U
Acetone	61000000	630000000	18 U	17 U	22 UJ	21 U	130000 UJ	19 U	18 U	21 U
Benzene	1100	5400	4.5 U	4.3 U	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U
Bromodichloromethane	270	1400	4.5 U	4.3 U	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U
Bromoform	62000	220000	4.5 U	4.3 U	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U
Bromomethane (Methyl bromide)	7300	32000	4.5 U	4.3 U	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U
Carbon disulfide	820000	3700000	4.5 U	4.3 U	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U
Carbon tetrachloride	610	3000	4.5 U	4.3 U	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U
Chlorobenzene	290000	1400000	4.5 U	4.3 U	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U
Chloroethane	15000000	61000000	4.5 U	4.3 U	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U
Chloroform (Trichloromethane)	290	1500	4.5 U	4.3 U	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U
Chloromethane (Methyl chloride)	120000	500000	4.5 U	4.3 U	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U
cis-1,2-Dichloroethene	160000	2000000	4.5 U	4.3 U	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U
cis-1,3-Dichloropropene	-	-	4.5 U	4.3 U	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U
Cyclohexane	7000000	29000000	9.0 U	8.6 U	11 UJ	11 U	R	9.7 U	9.1 U	10 U
Dibromochloromethane	680	3300	4.5 U	4.3 U	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U
Dichlorodifluoromethane (CFC-12)	94000	400000	4.5 U	4.3 U	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U
Ethylbenzene	5400	27000	4.5 U	4.3 U	5.6 UJ	5.4 U	260000 J[ab]	4.8 U	4.5 U	5.2 U
Isopropyl benzene	2100000	11000000	4.5 U	4.3 U	5.6 UJ	5.4 U	57000 J	4.8 U	4.5 U	5.2 U
Methyl acetate	78000000	1000000000	9.0 U	8.6 U	11 UJ	11 U	R	9.7 U	9.1 U	10 U
Methyl cyclohexane	-	-	9.0 U	8.6 U	11 UJ	11 U	R	9.7 U	9.1 U	10 U
Methyl tert butyl ether (MTBE)	43000	220000	4.5 U	4.3 U	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U
Methylene chloride	56000	960000	6.4 U	6.5 U	9.0 UJ	8.6 U	33000 UJ	9.6 U	6.9 U	9.3 U
Styrene	6300000	36000000	4.5 U	4.3 U	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U
Tetrachloroethene	22000	110000	4.5 U	4.3 U	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U
Toluene	5000000	45000000	4.5 U	4.3 U	5.6 UJ	5.4 U	95000 J	4.8 U	4.5 U	5.2 U

TABLE 3

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

trans-1,2-Dichloroethene	150000	690000	4.5 U	4.3 U	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U
trans-1,3-Dichloropropene	-	-	4.5 U	4.3 U	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U
Trichloroethene	910	6400	1.5 J	10	8.4 J	5.4 U	R	4.8 U	4.5 U	5.2 U
Trichlorofluoromethane (CFC-11)	790000	3400000	4.5 U	4.3 U	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U
Trifluorotrichloroethane (Freon 113)	43000000	180000000	4.5 U	4.3 U	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U
Vinyl chloride	60	1700	4.5 U	4.3 U	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U
Xylenes (total)	630000	2700000	9.0 U	8.6 U	11 UJ	11 U	2000000 J[a]	9.7 U	9.1 U	10 U
PCBs										
Aroclor-1016 (PCB-1016)	3900	21000	-	-	-	-	-	-	-	34 U
Aroclor-1221 (PCB-1221)	140	540	-	-	-	-	-	-	-	34 U
Aroclor-1232 (PCB-1232)	140	540	-	-	-	-	-	-	-	34 U
Aroclor-1242 (PCB-1242)	220	740	-	-	-	-	-	-	-	34 U
Aroclor-1248 (PCB-1248)	220	740	-	-	-	-	-	-	-	34 U
Aroclor-1254 (PCB-1254)	220	740	-	-	-	-	-	-	-	34 U
Aroclor-1260 (PCB-1260)	220	740	-	-	-	-	-	-	-	34 U

TABLE 3

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

TABLE 3

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:			*BH58-13*	*BH58-13*	*BH59-13*	*BH59-13*	*BH60-13*	*BH61-13*	*BH62-13*	*BH63-13*
Sample ID:			*S-38443-061913-JT-009*	*S-38443-061913-JT-010*	*S-38443-061913-JT-006*	*S-38443-061913-JT-007*	*S-38443-061913-JT-021*	*S-38443-061913-JC-019*	*S-38443-061913-JT-008*	*S-38443-062013-JC-020*
Sample Date:			*6/19/2013*	*6/19/2013*	*6/19/2013*	*6/19/2013*	*6/19/2013*	*6/19/2013*	*6/19/2013*	*6/20/2013*
Sample Depth:	*USEPA Regional Screening Levels [7]*		*21.5-23.5 ft BGS*	*21.5-23.5 ft BGS*	*2-4 ft BGS*	*20.5-22.5 ft BGS*	*20-22 ft BGS*	*21.2-23.2 ft BGS*	*21.5-23.5 ft BGS*	*23-25 ft BGS*
				Duplicate						
Parameter	*Residential Soil*	*Industrial Soil*								
	a	*b*								
Volatile Organic Compounds										
1,1,1-Trichloroethane	8700000	38000000	5.5 U	5.3 U	430 U	5.2 U	5.6 U	4.3 U	5.0 U	4.7 U
1,1,2,2-Tetrachloroethane	560	2800	5.5 U	5.3 U	430 U	5.2 U	5.6 U	4.3 U	5.0 U	4.7 U
1,1,2-Trichloroethane	1100	5300	5.5 U	5.3 U	430 U	5.2 U	5.6 U	4.3 U	5.0 U	4.7 U
1,1-Dichloroethane	3300	17000	5.5 U	5.3 U	430 U	5.2 U	5.6 U	4.3 U	5.0 U	4.7 U
1,1-Dichloroethene	240000	1100000	5.5 U	5.3 U	430 U	5.2 U	5.6 U	4.3 U	5.0 U	4.7 U
1,2,4-Trichlorobenzene	22000	99000	5.5 U	5.3 U	430 U	5.2 U	5.6 U	4.3 U	5.0 U	4.7 U
1,2-Dibromo-3-chloropropane (DBCP)	5.4	69	11 U	11 U	860 UJ	10 U	11 U	8.6 U	10 U	9.5 U
1,2-Dibromoethane (Ethylene dibromide)	34	170	5.5 U	5.3 U	430 U	5.2 U	5.6 U	4.3 U	5.0 U	4.7 U
1,2-Dichlorobenzene	1900000	9800000	5.5 U	5.3 U	430 U	5.2 U	5.6 U	4.3 U	5.0 U	4.7 U
1,2-Dichloroethane	430	2200	5.5 U	5.3 U	430 U	5.2 U	5.6 U	4.3 U	5.0 U	4.7 U
1,2-Dichloropropane	940	4700	5.5 U	5.3 U	430 U	5.2 U	5.6 U	4.3 U	5.0 U	4.7 U
1,3-Dichlorobenzene	-	-	5.5 U	5.3 U	430 U	5.2 U	5.6 U	4.3 U	5.0 U	4.7 U
1,4-Dichlorobenzene	2400	12000	5.5 U	5.3 U	430 U	5.2 U	5.6 U	4.3 U	5.0 U	4.7 U
2-Butanone (Methyl ethyl ketone) (MEK)	28000000	200000000	22 U	21 U	1700 U	21 U	22 U	17 U	1.9 J	5.1 J
2-Hexanone	210000	1400000	22 U	21 U	1700 U	21 U	22 U	17 U	20 U	19 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	5300000	53000000	22 U	21 U	1700 U	21 U	22 U	17 U	20 U	19 U
Acetone	61000000	630000000	22 U	21 U	1700 U	21 U	22 U	17 U	21 U	33 U
Benzene	1100	5400	5.5 U	5.3 U	430 U	5.2 U	5.6 U	4.3 U	5.0 U	0.22 J
Bromodichloromethane	270	1400	5.5 U	5.3 U	430 U	5.2 U	5.6 U	4.3 U	5.0 U	4.7 U
Bromoform	62000	220000	5.5 U	5.3 U	430 U	5.2 U	5.6 U	4.3 U	5.0 U	4.7 U
Bromomethane (Methyl bromide)	7300	32000	5.5 U	5.3 U	430 U	5.2 U	5.6 U	4.3 UJ	5.0 U	4.7 UJ
Carbon disulfide	820000	3700000	0.78 J	5.3 U	430 U	5.2 U	5.6 U	4.3 U	5.0 U	4.7 U
Carbon tetrachloride	610	3000	5.5 U	5.3 U	430 U	5.2 U	5.6 U	4.3 U	5.0 U	4.7 U
Chlorobenzene	290000	1400000	5.5 U	5.3 U	430 U	5.2 U	5.6 U	4.3 U	0.39 J	2.0 J
Chloroethane	15000000	61000000	5.5 U	5.3 U	430 U	5.2 U	5.6 U	4.3 UJ	5.0 U	4.7 UJ
Chloroform (Trichloromethane)	290	1500	5.5 U	5.3 U	430 U	5.2 U	5.6 U	4.3 U	5.0 U	4.7 U
Chloromethane (Methyl chloride)	120000	500000	5.5 U	5.3 U	430 U	5.2 U	5.6 U	4.3 U	5.0 U	4.7 U
cis-1,2-Dichloroethene	160000	2000000	5.5 U	5.3 U	230 J	5.2 U	5.6 U	4.3 U	0.64 J	4.7 U
cis-1,3-Dichloropropene	-	-	5.5 U	5.3 U	430 U	5.2 U	5.6 U	4.3 U	5.0 U	4.7 U
Cyclohexane	7000000	29000000	11 U	11 U	860 U	10 U	11 U	8.6 U	10 U	9.5 U
Dibromochloromethane	680	3300	5.5 U	5.3 U	430 U	5.2 U	5.6 U	4.3 U	5.0 U	4.7 U
Dichlorodifluoromethane (CFC-12)	94000	400000	5.5 U	5.3 U	430 U	5.2 U	5.6 U	4.3 U	5.0 U	4.7 U
Ethylbenzene	5400	27000	5.5 U	5.3 U	430 U	5.2 U	5.6 U	0.28 J	0.35 J	4.7 U
Isopropyl benzene	2100000	11000000	5.5 U	5.3 U	430 U	5.2 U	5.6 U	4.3 U	5.0 U	4.7 U
Methyl acetate	78000000	1000000000	11 U	11 U	860 U	10 U	11 U	8.6 U	10 U	9.5 U
Methyl cyclohexane	-	-	11 U	11 U	860 U	10 U	11 U	8.6 U	10 U	0.33 J
Methyl tert butyl ether (MTBE)	43000	220000	5.5 U	5.3 U	430 U	5.2 U	5.6 U	4.3 U	5.0 U	4.7 U
Methylene chloride	56000	960000	11 U	8.9 U	430 U	8.9 U	7.0 U	15 J	8.1 U	4.4 J
Styrene	6300000	36000000	5.5 U	5.3 U	430 U	5.2 U	5.6 U	4.3 U	5.0 U	4.7 U
Tetrachloroethene	22000	110000	5.5 U	5.3 U	430 U	5.2 U	5.6 U	1.0 J	5.0 U	4.7 U
Toluene	5000000	45000000	5.5 U	5.3 U	66 J	0.35 J	5.6 U	0.63 J	0.94 J	0.56 J

TABLE 3

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

trans-1,2-Dichloroethene	150000	690000	5.5 U	5.3 U	430 U	5.2 U	5.6 U	4.3 U	5.0 U	4.7 U
trans-1,3-Dichloropropene	-	-	5.5 U	5.3 U	430 U	5.2 U	5.6 U	4.3 U	5.0 U	4.7 U
Trichloroethene	910	6400	5.5 U	5.3 U	2500[a]	0.83 J	5.6 U	0.37 J	5.0 U	4.7 U
Trichlorofluoromethane (CFC-11)	790000	3400000	5.5 U	5.3 U	430 U	5.2 U	5.6 U	4.3 U	5.0 U	4.7 U
Trifluorotrichloroethane (Freon 113)	43000000	180000000	5.5 U	5.3 U	430 U	5.2 U	5.6 U	4.3 U	5.0 U	4.7 U
Vinyl chloride	60	1700	5.5 U	5.3 U	430 U	5.2 U	5.6 U	4.3 U	5.0 U	4.7 U
Xylenes (total)	630000	2700000	11 U	11 U	860 U	10 U	11 U	8.6 U	10 U	9.5 U
PCBs										
Aroclor-1016 (PCB-1016)	3900	21000	-	-	-	-	-	34 U	35 U	-
Aroclor-1221 (PCB-1221)	140	540	-	-	-	-	-	34 U	35 U	-
Aroclor-1232 (PCB-1232)	140	540	-	-	-	-	-	34 U	35 U	-
Aroclor-1242 (PCB-1242)	220	740	-	-	-	-	-	34 U	35 U	-
Aroclor-1248 (PCB-1248)	220	740	-	-	-	-	-	34 U	35 U	-
Aroclor-1254 (PCB-1254)	220	740	-	-	-	-	-	34 U	35 U	-
Aroclor-1260 (PCB-1260)	220	740	-	-	-	-	-	34 U	35 U	-

TABLE 3

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

TABLE 3

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:			*BH64-13*	*BH65-13*	*BH66-13*	*BH66-13*	*BH67-13*	*BH67-13*	*BH68-13*	*BH68-13*
Sample ID:			*S-38443-061913-JC-016*	*S-38443-062013-JC-031*	*S-38443-062613-JC-054*	*S-38443-062613-JC-055*	*S-38443-062013-JC-032*	*S-38443-062013-JC-033*	*S-38443-061913-JC-017*	*S-38443-061913-JC-018*
Sample Date:			*6/19/2013*	*6/20/2013*	*6/26/2013*	*6/26/2013*	*6/20/2013*	*6/20/2013*	*6/19/2013*	*6/19/2013*
Sample Depth:	*USEPA Regional Screening Levels [1]*		*22-24 ft BGS*	*22.1-24.1 ft BGS*	*10-12 ft BGS*	*22-24 ft BGS*	*7-9 ft BGS*	*21-23 ft BGS*	*0.5-2.5 ft BGS*	*21.5-23.5 ft BGS*
Parameter	*Residential Soil*	*Industrial Soil*								
	a	*b*								
Volatile Organic Compounds										
1,1,1-Trichloroethane	8700000	38000000	4.1 U	5.1 U	11000 U	5.8 U	3600 U	5.0 U	270 U	4.3 U
1,1,2,2-Tetrachloroethane	560	2800	4.1 U	5.1 U	11000 U	5.8 U	3600 U	5.0 U	270 U	4.3 U
1,1,2-Trichloroethane	1100	5300	4.1 U	5.1 U	11000 U	5.8 U	3600 U	5.0 U	270 U	4.3 U
1,1-Dichloroethane	3300	17000	4.1 U	1.1 J	11000 U	5.8 U	3600 U	5.0 U	270 U	4.3 U
1,1-Dichloroethene	240000	1100000	4.1 U	5.1 U	11000 U	5.8 U	3600 U	5.0 U	270 U	4.3 U
1,2,4-Trichlorobenzene	22000	99000	4.1 U	5.1 U	11000 U	5.8 U	210 J	5.0 U	270 U	4.3 U
1,2-Dibromo-3-chloropropane (DBCP)	5.4	69	8.1 U	10 U	23000 UJ	12 UJ	7200 U	10 U	540 U	8.6 U
1,2-Dibromoethane (Ethylene dibromide)	34	170	4.1 U	5.1 U	11000 U	5.8 U	3600 U	5.0 U	270 U	4.3 U
1,2-Dichlorobenzene	1900000	9800000	4.1 U	5.1 U	11000 U	5.8 U	3600 U	5.0 U	270 U	1.1 J
1,2-Dichloroethane	430	2200	4.1 U	5.1 U	11000 U	5.8 U	3600 U	5.0 U	270 U	4.3 U
1,2-Dichloropropane	940	4700	4.1 U	5.1 U	11000 U	5.8 U	3600 U	5.0 U	270 U	4.3 U
1,3-Dichlorobenzene	-	-	4.1 U	5.1 U	11000 U	5.8 U	170 J	5.0 U	270 U	4.3 U
1,4-Dichlorobenzene	2400	12000	4.1 U	5.1 U	11000 U	5.8 U	3600 U	5.0 U	270 U	1.7 J
2-Butanone (Methyl ethyl ketone) (MEK)	28000000	200000000	16 U	20 U	46000 U	2.4 J	14000 U	20 U	1100 U	17 U
2-Hexanone	210000	1400000	16 U	20 U	46000 U	23 U	14000 U	20 U	1100 U	17 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	5300000	53000000	16 U	20 U	46000 U	23 U	14000 U	20 U	1100 U	1.5 J
Acetone	61000000	630000000	16 U	20 U	46000 U	23 U	4500 J	20 U	1100 U	21 U
Benzene	1100	5400	4.1 U	0.38 J	11000 U	5.8 U	3600 U	5.0 U	270 U	4.3 U
Bromodichloromethane	270	1400	4.1 U	5.1 U	11000 U	5.8 U	3600 U	5.0 U	270 U	4.3 U
Bromoform	62000	220000	4.1 U	5.1 U	11000 U	5.8 U	3600 U	5.0 U	270 U	4.3 U
Bromomethane (Methyl bromide)	7300	32000	4.1 U	5.1 UJ	11000 U	5.8 U	3600 UJ	5.0 U	270 U	4.3 UJ
Carbon disulfide	820000	3700000	4.1 U	5.1 U	11000 U	1.4 J	3600 U	5.0 U	270 U	4.3 U
Carbon tetrachloride	610	3000	4.1 U	5.1 U	11000 U	5.8 U	3600 U	5.0 U	270 U	4.3 U
Chlorobenzene	290000	1400000	4.1 U	5.1 U	1000 J	2.9 J	320 J	0.49 J	270 U	0.87 J
Chloroethane	15000000	61000000	4.1 U	5.1 UJ	11000 U	5.8 U	3600 UJ	5.0 U	270 U	4.3 UJ
Chloroform (Trichloromethane)	290	1500	4.1 U	5.1 U	11000 U	5.8 U	3600 U	5.0 U	270 U	4.3 U
Chloromethane (Methyl chloride)	120000	500000	4.1 U	5.1 U	11000 U	5.8 U	3600 U	5.0 U	270 U	4.3 U
cis-1,2-Dichloroethene	160000	2000000	4.1 U	5.1 U	11000 U	5.8 U	890 J	2.0 J	270 U	4.3 U
cis-1,3-Dichloropropene	-	-	4.1 U	5.1 U	11000 U	5.8 U	3600 U	5.0 U	270 U	4.3 U
Cyclohexane	7000000	29000000	8.1 U	0.38 J	23000 U	12 U	7200 U	10 U	540 U	8.6 U
Dibromochloromethane	680	3300	4.1 U	5.1 U	11000 U	5.8 U	3600 U	5.0 U	270 U	4.3 U
Dichlorodifluoromethane (CFC-12)	94000	400000	4.1 U	5.1 U	11000 U	5.8 U	3600 U	5.0 U	270 U	4.3 U
Ethylbenzene	5400	27000	4.1 U	0.47 J	56000[ab]	1.1 J	59000[ab]	5.0 U	270 U	4.3 U
Isopropyl benzene	2100000	11000000	4.1 U	5.1 U	13000	5.8 U	3600	5.0 U	270 U	4.3 U
Methyl acetate	78000000	1000000000	8.1 U	10 U	23000 U	12 U	650 J	10 U	150 J	8.6 U
Methyl cyclohexane	-	-	8.1 U	0.67 J	53000	0.78 J	790 J	10 U	37 J	8.6 U
Methyl tert butyl ether (MTBE)	43000	220000	4.1 U	5.1 U	11000 U	5.8 U	3600 U	5.0 U	270 U	4.3 U
Methylene chloride	56000	960000	5.9 U	5.0 J	20000 U	11 U	4000	6.3 UJ	270 U	11 J
Styrene	6300000	36000000	4.1 U	5.1 U	11000 U	5.8 U	3600 U	5.0 U	270 U	4.3 U
Tetrachloroethene	22000	110000	4.1 U	5.1 U	11000 U	5.8 U	3600 U	5.0 U	270 U	4.3 U
Toluene	5000000	45000000	0.40 J	1.3 J	11000 U	2.0 J	1400 J	0.86 J	24 J	0.39 J

TABLE 3

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

trans-1,2-Dichloroethene	150000	690000	4.1 U	5.1 U	11000 U	5.8 U	3600 U	5.0 U	270 U	4.3 U
trans-1,3-Dichloropropene	-	-	4.1 U	5.1 U	11000 U	5.8 U	3600 U	5.0 U	270 U	4.3 U
Trichloroethene	910	6400	1.4 J	5.1 U	11000 U	5.8 U	1800 J[a]	1.9 J	180 J	4.3 U
Trichlorofluoromethane (CFC-11)	790000	3400000	4.1 U	5.1 U	11000 U	5.8 U	3600 U	5.0 U	270 U	4.3 U
Trifluorotrichloroethane (Freon 113)	43000000	180000000	4.1 U	5.1 U	11000 U	5.8 U	3600 U	5.0 U	270 U	4.3 U
Vinyl chloride	60	1700	4.1 U	5.1 U	11000 U	5.8 U	3600 U	5.0 U	270 U	4.3 U
Xylenes (total)	630000	2700000	8.1 U	10 U	140000	2.9 J	73000	10 U	110 J	8.6 U
PCBs										
Aroclor-1016 (PCB-1016)	3900	21000	-	35 U	75 U	40 U	2000 U	39 U	-	-
Aroclor-1221 (PCB-1221)	140	540	-	35 U	75 U	40 U	2000 U	39 U	-	-
Aroclor-1232 (PCB-1232)	140	540	-	35 U	75 U	40 U	2000 U	39 U	-	-
Aroclor-1242 (PCB-1242)	220	740	-	35 U	380[a]	40 U	2000 U	44	-	-
Aroclor-1248 (PCB-1248)	220	740	-	35 U	75 U	40 U	2000 U	39 U	-	-
Aroclor-1254 (PCB-1254)	220	740	-	35 U	300 NJ[a]	40 UJ	16000[ab]	290[a]	-	-
Aroclor-1260 (PCB-1260)	220	740	-	35 U	75 UJ	40 UJ	2000 U	39 U	-	-

TABLE 3

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

TABLE 3

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:			*BH69-13*	*BH69-13*	*BH70-13*	*BH71-13*	*BH72-13*	*BH73-13*	*BH74-13*	*BH74-13*
Sample ID:			*S-38443-062113-JC-035*	*S-38443-062113-JC-036*	*S-38443-062113-JC-034*	*S-38443-062013-JT-025*	*S-38443-062013-JT-026*	*S-38443-062013-JT-024*	*S-38443-062013-JT-022*	*S-38443-062013-JT-023*
Sample Date:			*6/21/2013*	*6/21/2013*	*6/21/2013*	*6/20/2013*	*6/20/2013*	*6/20/2013*	*6/20/2013*	*6/20/2013*
Sample Depth:	*USEPA Regional Screening Levels [1]*		*21-23 ft BGS*	*21-23 ft BGS*	*19-20 ft BGS*	*21.5-23.5 ft BGS*	*18.75-20.75 ft BGS*	*18.5-20.5 ft BGS*	*0-2 ft BGS*	*19-21 ft BGS*
				Duplicate						
Parameter	*Residential Soil*	*Industrial Soil*								
	a	*b*								
Volatile Organic Compounds										
1,1,1-Trichloroethane	8700000	38000000	4.7 U	4.4 U	5.3 U	5.5 U	4.8 U	5.6 U	6.5 U	5.6 U
1,1,2,2-Tetrachloroethane	560	2800	4.7 U	4.4 U	5.3 U	5.5 U	4.8 U	5.6 U	6.5 U	5.6 U
1,1,2-Trichloroethane	1100	5300	4.7 U	4.4 U	5.3 U	5.5 U	4.8 U	5.6 U	6.5 U	5.6 U
1,1-Dichloroethane	3300	17000	4.7 U	4.4 U	5.3 U	5.5 U	4.8 U	5.6 U	6.5 U	5.6 U
1,1-Dichloroethene	240000	1100000	4.7 U	4.4 U	5.3 U	5.5 U	4.8 U	5.6 U	6.5 U	5.6 U
1,2,4-Trichlorobenzene	22000	99000	4.7 U	4.4 U	5.3 U	5.5 U	4.8 U	5.6 U	6.5 U	5.6 U
1,2-Dibromo-3-chloropropane (DBCP)	5.4	69	9.4 U	8.8 U	11 U	11 U	9.5 U	11 U	13 U	11 U
1,2-Dibromoethane (Ethylene dibromide)	34	170	4.7 U	4.4 U	5.3 U	5.5 U	4.8 U	5.6 U	6.5 U	5.6 U
1,2-Dichlorobenzene	1900000	9800000	4.7 U	4.4 U	5.3 U	5.5 U	4.8 U	5.6 U	6.5 U	5.6 U
1,2-Dichloroethane	430	2200	4.7 U	4.4 U	5.3 U	5.5 U	4.8 U	5.6 U	6.5 U	5.6 U
1,2-Dichloropropane	940	4700	4.7 U	4.4 U	5.3 U	5.5 U	4.8 U	5.6 U	6.5 U	5.6 U
1,3-Dichlorobenzene	-	-	4.7 U	4.4 U	5.3 U	5.5 U	4.8 U	5.6 U	6.5 U	5.6 U
1,4-Dichlorobenzene	2400	12000	4.7 U	4.4 U	5.3 U	5.5 U	4.8 U	5.6 U	6.5 U	5.6 U
2-Butanone (Methyl ethyl ketone) (MEK)	28000000	200000000	19 U	18 U	21 U	22 U	19 U	22 U	26 U	22 U
2-Hexanone	210000	1400000	19 U	18 U	21 U	22 U	19 U	22 U	26 U	22 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	5300000	53000000	19 U	18 U	21 U	22 U	19 U	22 U	26 U	22 U
Acetone	61000000	630000000	19 U	18 U	21 U	22 U	36 U	22 U	26 U	22 U
Benzene	1100	5400	4.7 U	4.4 U	5.3 U	5.5 U	0.88 J	5.6 U	6.5 U	5.6 U
Bromodichloromethane	270	1400	4.7 U	4.4 U	5.3 U	5.5 U	4.8 U	5.6 U	6.5 U	5.6 U
Bromoform	62000	220000	4.7 U	4.4 U	5.3 U	5.5 U	4.8 U	5.6 U	6.5 U	5.6 U
Bromomethane (Methyl bromide)	7300	32000	4.7 U	4.4 U	5.3 U	5.5 U	4.8 U	5.6 UJ	6.5 UJ	5.6 UJ
Carbon disulfide	820000	3700000	4.7 U	4.4 U	5.3 U	5.5 U	0.72 J	5.6 U	6.5 U	5.6 U
Carbon tetrachloride	610	3000	4.7 U	4.4 U	5.3 U	5.5 U	4.8 U	5.6 U	6.5 U	5.6 U
Chlorobenzene	290000	1400000	4.7 U	4.4 U	5.3 U	5.5 U	4.8 U	5.6 U	6.5 U	5.6 U
Chloroethane	15000000	61000000	4.7 U	4.4 U	5.3 U	5.5 U	4.8 U	5.6 UJ	6.5 UJ	5.6 UJ
Chloroform (Trichloromethane)	290	1500	4.7 U	4.4 U	5.3 U	5.5 U	4.8 U	5.6 U	0.40 J	5.6 U
Chloromethane (Methyl chloride)	120000	500000	4.7 U	4.4 U	5.3 U	5.5 U	4.8 U	5.6 U	6.5 U	5.6 U
cis-1,2-Dichloroethene	160000	2000000	6.7	2.2 J	0.39 J	5.5 U	34	5.6 U	6.5 U	5.6 U
cis-1,3-Dichloropropene	-	-	4.7 U	4.4 U	5.3 U	5.5 U	4.8 U	5.6 U	6.5 U	5.6 U
Cyclohexane	7000000	29000000	9.4 U	8.8 U	11 U	11 U	2.3 J	11 U	13 U	11 U
Dibromochloromethane	680	3300	4.7 U	4.4 U	5.3 U	5.5 U	4.8 U	5.6 U	6.5 U	5.6 U
Dichlorodifluoromethane (CFC-12)	94000	400000	4.7 U	4.4 U	5.3 U	5.5 U	4.8 U	5.6 U	6.5 U	5.6 U
Ethylbenzene	5400	27000	4.7 U	4.4 U	5.3 U	5.5 U	1.8 J	0.35 J	6.5 U	5.6 U
Isopropyl benzene	2100000	11000000	4.7 U	4.4 U	5.3 U	5.5 U	4.8 U	5.6 U	6.5 U	5.6 U
Methyl acetate	78000000	1000000000	9.4 U	8.8 U	11 U	11 U	9.5 U	11 U	13 U	11 U
Methyl cyclohexane	-	-	9.4 U	8.8 U	11 U	11 U	2.8 J	11 U	13 U	11 U
Methyl tert butyl ether (MTBE)	43000	220000	4.7 U	4.4 U	5.3 U	5.5 U	4.8 U	5.6 U	6.5 U	5.6 U
Methylene chloride	56000	960000	4.9 UJ	7.6 UJ	5.3 UJ	5.5 UJ	4.8 UJ	8.8 J	8.9 J	7.4 J
Styrene	6300000	36000000	4.7 U	4.4 U	5.3 U	5.5 U	4.8 U	5.6 U	6.5 U	5.6 U
Tetrachloroethene	22000	110000	3.9 J	1.2 J	1.2 J	5.5 U	3.1 J	5.6 U	6.5 U	5.6 U
Toluene	5000000	45000000	0.46 J	4.4 U	0.53 J	0.69 J	3.5 J	0.65 J	6.5 U	0.47 J

TABLE 3

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

trans-1,2-Dichloroethene	150000	690000	4.7 U	4.4 U	5.3 U	5.5 U	4.8 U	5.6 U	6.5 U	5.6 U
trans-1,3-Dichloropropene	-	-	4.7 U	4.4 U	5.3 U	5.5 U	4.8 U	5.6 U	6.5 U	5.6 U
Trichloroethene	910	6400	25	9.0	110	3.6 J	80	5.6 U	3.3 J	0.71 J
Trichlorofluoromethane (CFC-11)	790000	3400000	4.7 U	4.4 U	5.3 U	5.5 U	4.8 U	5.6 U	6.5 U	5.6 U
Trifluorotrichloroethane (Freon 113)	43000000	180000000	4.7 U	4.4 U	5.3 U	5.5 U	4.8 U	5.6 U	6.5 U	5.6 U
Vinyl chloride	60	1700	4.7 U	4.4 U	5.3 U	5.5 U	4.8 U	5.6 U	6.5 U	5.6 U
Xylenes (total)	630000	2700000	9.4 U	8.8 U	11 U	11 U	3.3 J	11 U	13 U	11 U
PCBs										
Aroclor-1016 (PCB-1016)	3900	21000	35 U	36 U	-	-	-	35 U	-	-
Aroclor-1221 (PCB-1221)	140	540	35 U	36 U	-	-	-	35 U	-	-
Aroclor-1232 (PCB-1232)	140	540	35 U	36 U	-	-	-	35 U	-	-
Aroclor-1242 (PCB-1242)	220	740	35 U	36 U	-	-	-	35 U	-	-
Aroclor-1248 (PCB-1248)	220	740	35 U	36 U	-	-	-	35 U	-	-
Aroclor-1254 (PCB-1254)	220	740	35 U	36 U	-	-	-	35 U	-	-
Aroclor-1260 (PCB-1260)	220	740	35 U	36 U	-	-	-	35 U	-	-

TABLE 3

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

TABLE 3

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:			*BH75-13*	*BH75-13*	*BH76-13*	*BH76-13*	*BH77-13*	*BH78-13*	*BH78-13*	*BH79-13*
Sample ID:			*S-38443-062513-JT-045*	*S-38443-062513-JT-046*	*S-38443-062513-JC-052*	*S-38443-062513-JC-053*	*S-38443-062513-JT-047*	*S-38443-062513-JT-043*	*S-38443-062513-JT-044*	*S-38443-062613-JC-056*
Sample Date:			*6/25/2013*	*6/25/2013*	*6/25/2013*	*6/25/2013*	*6/25/2013*	*6/25/2013*	*6/25/2013*	*6/26/2013*
Sample Depth:	*USEPA Regional Screening Levels [7]*		*0-2 ft BGS*	*20-22 ft BGS*	*8-10 ft BGS*	*18-20 ft BGS*	*20-22 ft BGS*	*20-22 ft BGS*	*20-22 ft BGS*	*4-6 ft BGS*
									Duplicate	
Parameter	*Residential Soil*	*Industrial Soil*								
	a	*b*								
Volatile Organic Compounds										
1,1,1-Trichloroethane	8700000	38000000	970 U	4.5 U	260 U	11 U	290 U	4.7 U	4.0 U	280 U
1,1,2,2-Tetrachloroethane	560	2800	970 U	4.5 U	260 U	11 UJ	290 U	4.7 U	4.0 U	280 U
1,1,2-Trichloroethane	1100	5300	970 U	4.5 U	260 U	11 U	290 U	4.7 U	4.0 U	280 U
1,1-Dichloroethane	3300	17000	560 J	4.5 U	260 U	1.3 J	290 U	4.7 U	4.0 U	280 U
1,1-Dichloroethene	240000	1100000	970 U	4.5 U	260 U	11 U	290 U	4.7 U	4.0 U	280 U
1,2,4-Trichlorobenzene	22000	99000	970 U	4.5 U	260 U	11 UJ	130 J	4.7 U	4.0 U	280 U
1,2-Dibromo-3-chloropropane (DBCP)	5.4	69	1900 U	9.0 U	520 U	23 UJ	580 U	9.5 U	8.0 U	560 U
1,2-Dibromoethane (Ethylene dibromide)	34	170	970 U	4.5 U	260 U	11 U	290 U	4.7 U	4.0 U	280 U
1,2-Dichlorobenzene	1900000	9800000	970 U	4.5 U	260 U	11 UJ	290 U	4.7 U	4.0 U	280 U
1,2-Dichloroethane	430	2200	970 U	4.5 U	260 U	11 U	290 U	4.7 U	4.0 U	280 U
1,2-Dichloropropane	940	4700	970 U	4.5 U	260 U	11 U	290 U	4.7 U	4.0 U	280 U
1,3-Dichlorobenzene	-	-	970 U	4.5 U	260 U	11 UJ	180 J	4.7 U	4.0 U	23 J
1,4-Dichlorobenzene	2400	12000	970 U	4.5 U	260 U	11 UJ	2900[a]	4.7 U	4.0 U	280 U
2-Butanone (Methyl ethyl ketone) (MEK)	28000000	200000000	3900 U	3.8 J	1000 U	45 U	1200 U	3.8 J	3.8 J	1100 U
2-Hexanone	210000	1400000	3900 U	18 U	1000 U	45 U	1200 U	19 U	16 U	1100 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	5300000	53000000	3900 U	1.0 J	100 J	45 U	1200 U	0.64 J	16 U	1100 U
Acetone	61000000	630000000	6300 U	26 UJ	1400 U	61 UJ	1900 U	24 UJ	26 UJ	1100 U
Benzene	1100	5400	200 J	0.78 J	260 U	11 U	320	0.23 J	1.3 J	280 U
Bromodichloromethane	270	1400	970 U	4.5 U	260 U	11 U	290 U	4.7 U	4.0 U	280 U
Bromoform	62000	220000	970 U	4.5 U	260 U	11 U	290 U	4.7 U	4.0 U	280 U
Bromomethane (Methyl bromide)	7300	32000	970 UJ	4.5 UJ	260 UJ	11 UJ	290 UJ	4.7 UJ	4.0 UJ	280 UJ
Carbon disulfide	820000	3700000	970 U	4.5 U	260 U	11 U	290 U	0.47 J	0.93 J	18 J
Carbon tetrachloride	610	3000	970 U	4.5 U	260 U	11 U	290 U	4.7 U	4.0 U	280 U
Chlorobenzene	290000	1400000	630 J	2.7 J	260 U	11 U	1400	4.7 U	0.37 J	280 U
Chloroethane	15000000	61000000	970 UJ	4.5 UJ	260 UJ	63 J	290 UJ	4.7 UJ	4.0 UJ	280 UJ
Chloroform (Trichloromethane)	290	1500	970 U	4.5 U	260 U	11 U	290 U	4.7 U	0.25 J	280 U
Chloromethane (Methyl chloride)	120000	500000	970 U	4.5 U	260 U	11 U	290 U	4.7 U	4.0 U	280 U
cis-1,2-Dichloroethene	160000	2000000	970 U	4.5 U	260 U	11 U	290 U	4.7 U	4.0 U	280 U
cis-1,3-Dichloropropene	-	-	970 U	4.5 U	260 U	11 U	290 U	4.7 U	4.0 U	280 U
Cyclohexane	7000000	29000000	1900 U	0.38 J	520 U	23 U	580 U	9.5 U	0.50 J	560 U
Dibromochloromethane	680	3300	970 U	4.5 U	260 U	11 U	290 U	4.7 U	4.0 U	280 U
Dichlorodifluoromethane (CFC-12)	94000	400000	R	4.5 U	R	11 U	R	4.7 U	4.0 U	280 U
Ethylbenzene	5400	27000	1400	0.34 J	38 J	11 U	54 J	0.57 J	0.45 J	93 J
Isopropyl benzene	2100000	11000000	790 J	4.5 U	18 J	11 U	1000	0.34 J	0.46 J	88 J
Methyl acetate	78000000	1000000000	110 J	9.0 U	68 J	23 U	230 J	9.5 U	8.0 U	190 J
Methyl cyclohexane	-	-	530 J	1.3 J	520 U	23 U	970	9.5 U	1.2 J	75 J
Methyl tert butyl ether (MTBE)	43000	220000	970 U	4.5 U	260 U	2.0 J	290 U	4.7 U	4.0 U	280 U
Methylene chloride	56000	960000	3100 U	14 J	870 U	33 J	960 U	13 J	13 J	310 U
Styrene	6300000	36000000	970 U	4.5 U	260 U	11 U	290 U	4.7 U	4.0 U	280 U
Tetrachloroethene	22000	110000	970 U	4.5 U	260 U	11 U	290 U	4.7 U	4.0 U	280 U
Toluene	5000000	45000000	1500	0.67 J	31 J	11 U	76 J	0.76 J	1.0 J	100 J

TABLE 3

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

trans-1,2-Dichloroethene	150000	690000	970 U	4.5 U	260 U	11 U	290 U	4.7 U	4.0 U	280 U
trans-1,3-Dichloropropene	-	-	970 U	4.5 U	260 U	11 U	290 U	4.7 U	4.0 U	280 U
Trichloroethene	910	6400	130 J	4.5 U	260 U	11 U	290 U	4.7 U	4.0 U	280 U
Trichlorofluoromethane (CFC-11)	790000	3400000	970 U	4.5 U	260 U	11 U	290 U	4.7 U	4.0 U	280 U
Trifluorotrichloroethane (Freon 113)	43000000	180000000	970 U	4.5 U	260 U	11 U	290 U	4.7 U	4.0 U	280 U
Vinyl chloride	60	1700	970 U	4.5 U	260 U	11 U	290 U	4.7 U	4.0 U	280 U
Xylenes (total)	630000	2700000	8100	9.0 U	130 J	23 U	280 J	1.6 J	1.7 J	200 J
PCBs										
Aroclor-1016 (PCB-1016)	3900	21000	-	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	140	540	-	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	140	540	-	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	220	740	-	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	220	740	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	220	740	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	220	740	-	-	-	-	-	-	-	-

TABLE 3

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

TABLE 3

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:			*BH79-13*	*BH80-13*	*BH81-13*	*BH81-13*	*BH82-13*	*BH83-13*	*BH83-13*	*BH84-13*
Sample ID:			*S-38443-062613-JC-057*	*S-38443-062413-SM-042*	*S-38443-062613-JC-070*	*S-38443-062613-JC-071*	*S-38443-062413-JC-039*	*S-38443-062413-SM-030*	*S-38443-062413-SM-041*	*S-38443-062613-JT-048*
Sample Date:			*6/26/2013*	*6/24/2013*	*6/26/2013*	*6/26/2013*	*6/24/2013*	*6/24/2013*	*6/24/2013*	*6/26/2013*
Sample Depth:	*USEPA Regional Screening Levels [1]*		*21-23 ft BGS*	*22.5-24.5 ft BGS*	*15-17 ft BGS*	*22-24 ft BGS*	*19-21 ft BGS*	*5-7.5 ft BGS*	*20.2-22.2 ft BGS*	*2-4 ft BGS*
Parameter	*Residential Soil*	*Industrial Soil*								
	a	*b*								
Volatile Organic Compounds										
1,1,1-Trichloroethane	8700000	38000000	4.3 U	5.0 U	600 U	5.2 U	14 UJ	5.3 U	6.4 U	4.9 U
1,1,2,2-Tetrachloroethane	560	2800	R	5.0 U	600 U	5.2 U	R	5.3 UJ	6.4 UJ	4.9 U
1,1,2-Trichloroethane	1100	5300	4.3 U	5.0 U	600 U	5.2 U	R	5.3 U	6.4 U	4.9 U
1,1-Dichloroethane	3300	17000	4.3 U	5.0 U	77 J	5.2 U	14 UJ	5.3 U	6.4 U	1.9 J
1,1-Dichloroethene	240000	1100000	4.3 U	5.0 U	600 U	5.2 U	14 UJ	5.3 U	6.4 U	4.9 U
1,2,4-Trichlorobenzene	22000	99000	R	5.0 U	600 U	5.2 U	R	5.3 UJ	6.4 UJ	4.9 U
1,2-Dibromo-3-chloropropane (DBCP)	5.4	69	R	10 U	1200 U	10 UJ	R	11 UJ	13 UJ	9.8 UJ
1,2-Dibromoethane (Ethylene dibromide)	34	170	4.3 U	5.0 U	600 U	5.2 U	R	5.3 U	6.4 U	4.9 U
1,2-Dichlorobenzene	1900000	9800000	6.9 J	5.0 U	600 U	5.2 U	R	5.3 UJ	6.4 UJ	4.9 U
1,2-Dichloroethane	430	2200	4.3 U	5.0 U	600 U	5.2 U	14 UJ	5.3 U	6.4 U	4.9 U
1,2-Dichloropropane	940	4700	4.3 U	5.0 U	600 U	5.2 U	14 UJ	5.3 U	6.4 U	4.9 U
1,3-Dichlorobenzene	-	-	1.7 J	5.0 U	600 U	5.2 U	4.0 J	5.3 UJ	6.4 UJ	4.9 U
1,4-Dichlorobenzene	2400	12000	18 J	5.0 U	600 U	5.2 U	R	5.3 UJ	6.4 UJ	4.9 U
2-Butanone (Methyl ethyl ketone) (MEK)	28000000	200000000	3.7 J	5.3 J	2400 U	4.4 J	19 J	9.8 J	16 J	6.1 J
2-Hexanone	210000	1400000	17 U	20 U	2400 U	21 U	R	21 U	26 U	20 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	5300000	53000000	17 U	20 U	2400 U	21 U	56 J	21 U	26 U	20 U
Acetone	61000000	630000000	27 U	38 U	2400 U	28 U	210 UJ	94 U	81 U	39 U
Benzene	1100	5400	4.3 U	0.25 J	38 J	0.62 J	14 UJ	0.32 J	1.6 J	4.9 U
Bromodichloromethane	270	1400	4.3 U	5.0 U	600 U	5.2 U	R	5.3 U	6.4 U	4.9 U
Bromoform	62000	220000	4.3 U	5.0 U	600 U	5.2 U	R	5.3 U	6.4 U	4.9 U
Bromomethane (Methyl bromide)	7300	32000	4.3 U	5.0 UJ	600 UJ	5.2 U	14 UJ	5.3 UJ	6.4 UJ	4.9 U
Carbon disulfide	820000	3700000	1.4 J	5.0 U	600 U	2.4 J	2.9 J	2.8 J	0.58 J	4.9 U
Carbon tetrachloride	610	3000	4.3 U	5.0 U	600 U	5.2 U	14 UJ	5.3 U	6.4 U	4.9 U
Chlorobenzene	290000	1400000	56	0.39 J	600 U	12	R	5.3 U	2.1 J	1.4 J
Chloroethane	15000000	61000000	4.3 U	5.0 UJ	600 UJ	5.2 U	14 UJ	5.3 UJ	6.4 UJ	4.9 U
Chloroform (Trichloromethane)	290	1500	4.3 U	5.0 U	600 U	5.2 U	14 UJ	0.34 J	6.4 U	4.9 U
Chloromethane (Methyl chloride)	120000	500000	4.3 U	5.0 U	600 U	5.2 U	14 UJ	5.3 U	6.4 U	4.9 U
cis-1,2-Dichloroethene	160000	2000000	4.3 U	5.0 U	580 J	5.2 U	14 UJ	5.3 U	6.4 U	4.9 U
cis-1,3-Dichloropropene	-	-	4.3 U	5.0 U	600 U	5.2 U	14 UJ	5.3 U	6.4 U	4.9 U
Cyclohexane	7000000	29000000	1.5 J	10 U	1200 U	2.0 J	27 UJ	11 U	1.1 J	9.8 U
Dibromochloromethane	680	3300	4.3 U	5.0 U	600 U	5.2 U	R	5.3 U	6.4 U	4.9 U
Dichlorodifluoromethane (CFC-12)	94000	400000	4.3 U	5.0 U	600 U	5.2 U	14 UJ	5.3 U	6.4 U	4.9 U
Ethylbenzene	5400	27000	0.69 J	5.0 U	5300	1.6 J	R	1.4 J	6.4 U	0.95 J
Isopropyl benzene	2100000	11000000	0.71 J	5.0 U	330 J	4.9 J	R	5.3 U	6.4 U	4.9 U
Methyl acetate	78000000	1000000000	8.7 U	10 U	230 J	10 U	27 UJ	11 U	13 U	9.8 U
Methyl cyclohexane	-	-	2.8 J	10 U	200 J	1.5 J	1.5 J	11 U	2.7 J	9.8 U
Methyl tert butyl ether (MTBE)	43000	220000	4.3 U	5.0 U	600 U	5.2 U	14 UJ	5.3 U	6.4 U	4.9 U
Methylene chloride	56000	960000	9.3 U	13 U	600 U	12 U	160 UJ	16 U	21 U	7.7 U
Styrene	6300000	36000000	4.3 U	5.0 U	600 U	5.2 U	R	5.3 U	6.4 U	4.9 U
Tetrachloroethene	22000	110000	1.2 J	5.0 U	600 U	5.2 U	R	5.3 U	6.4 U	4.9 U
Toluene	5000000	45000000	1.8 J	5.0 U	390 J	1.7 J	R	5.3 U	6.4 U	4.9 U

TABLE 3

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

trans-1,2-Dichloroethene	150000	690000	4.3 U	5.0 U	46 J	5.2 U	14 UJ	5.3 U	6.4 U	4.9 U
trans-1,3-Dichloropropene	-	-	4.3 U	5.0 U	600 U	5.2 U	R	5.3 U	6.4 U	4.9 U
Trichloroethene	910	6400	4.3 U	5.0 U	1200 J*	2.1 J	14 UJ	5.3 U	6.4 U	4.9 U
Trichlorofluoromethane (CFC-11)	790000	3400000	4.3 U	5.0 U	600 U	5.2 U	14 UJ	5.3 U	6.4 U	4.9 U
Trifluorotrichloroethane (Freon 113)	43000000	180000000	4.3 U	5.0 U	600 U	5.2 U	14 UJ	5.3 U	6.4 U	4.9 U
Vinyl chloride	60	1700	4.3 U	5.0 U	50 J	5.2 U	59 J	5.3 U	6.4 U	1.7 J
Xylenes (total)	630000	2700000	1.9 J	10 U	7200	6.4 J	R	11 U	4.0 J	1.2 J
PCBs										
Aroclor-1016 (PCB-1016)	3900	21000	-	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	140	540	-	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	140	540	-	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	220	740	-	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	220	740	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	220	740	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	220	740	-	-	-	-	-	-	-	-

TABLE 3

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

TABLE 3

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:			*BH84-13*	*BH85-13*	*BH85-13*	*BH86-13*	*BH87-13*	*BH87-13*	*BH88-13*	*BH89-13*
Sample ID:			*S-38443-062613-JT-049*	*S-38443-062513-JC-040*	*S-38443-062513-JC-051*	*S-38443-062413-JC-038*	*S-38443-062613-JC-058*	*S-38443-062613-JC-059*	*S-38443-062413-JC-037*	*S-38443-062413-SM-029*
Sample Date:			*6/26/2013*	*6/25/2013*	*6/25/2013*	*6/24/2013*	*6/26/2013*	*6/26/2013*	*6/24/2013*	*6/24/2013*
Sample Depth:	*USEPA Regional Screening Levels [1]*		*19-21 ft BGS*	*8-10 ft BGS*	*18-20 ft BGS*	*22.5-24.5 ft BGS*	*18-20 ft BGS*	*18-20 ft BGS*	*18-20 ft BGS*	*18-20 ft BGS*
								Duplicate		
Parameter	*Residential Soil*	*Industrial Soil*								
	a	*b*								
Volatile Organic Compounds										
1,1,1-Trichloroethane	8700000	38000000	5.2 U	460 U	4.6 U	5.1 U	430 U	11 UJ	12 U	5.3 U
1,1,2,2-Tetrachloroethane	560	2800	5.2 U	460 U	4.6 U	5.1 U	430 U	R	R	5.3 U
1,1,2-Trichloroethane	1100	5300	5.2 U	460 U	4.6 U	5.1 U	430 U	11 UJ	12 UJ	5.3 U
1,1-Dichloroethane	3300	17000	5.2 U	460 U	4.6 U	5.1 U	430 U	17 J	12 U	5.3 U
1,1-Dichloroethene	240000	1100000	5.2 U	460 U	4.6 U	5.1 U	430 U	11 UJ	12 U	5.3 U
1,2,4-Trichlorobenzene	22000	99000	5.2 U	460 U	4.6 U	5.1 U	430 U	R	R	5.3 U
1,2-Dibromo-3-chloropropane (DBCP)	5.4	69	10 UJ	910 U	9.3 U	10 U	870 UJ	R	R	11 U
1,2-Dibromoethane (Ethylene dibromide)	34	170	5.2 U	460 U	4.6 U	5.1 U	430 U	11 UJ	12 U	5.3 U
1,2-Dichlorobenzene	1900000	9800000	5.2 U	460 U	4.6 U	5.1 U	430 U	R	R	5.3 U
1,2-Dichloroethane	430	2200	5.2 U	460 U	4.6 U	5.1 U	430 U	11 UJ	12 U	5.3 U
1,2-Dichloropropane	940	4700	5.2 U	460 U	4.6 U	5.1 U	430 U	11 UJ	12 U	5.3 U
1,3-Dichlorobenzene	-	-	5.2 U	460 U	4.6 U	5.1 U	430 U	R	0.89 J	5.3 U
1,4-Dichlorobenzene	2400	12000	5.2 U	460 U	4.6 U	5.1 U	430 U	R	R	5.3 U
2-Butanone (Methyl ethyl ketone) (MEK)	28000000	200000000	21 U	1800 U	19 U	12 J	1700 U	43 UJ	47 U	21 U
2-Hexanone	210000	1400000	21 U	1800 U	19 U	20 U	1700 U	43 UJ	47 UJ	21 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	5300000	53000000	21 U	1800 U	19 U	20 U	1700 U	43 UJ	47 UJ	21 U
Acetone	61000000	630000000	21 U	2200 U	23 U	88 U	1700 U	43 UJ	92 U	21 U
Benzene	1100	5400	5.2 U	460 U	4.6 U	5.1 U	430 U	11 UJ	12 U	5.3 U
Bromodichloromethane	270	1400	5.2 U	460 U	4.6 U	5.1 U	430 U	11 UJ	12 U	5.3 U
Bromoform	62000	220000	5.2 U	460 U	4.6 U	5.1 U	430 U	11 UJ	12 UJ	5.3 U
Bromomethane (Methyl bromide)	7300	32000	5.2 U	460 UJ	4.6 UJ	5.1 UJ	430 U	11 UJ	12 UJ	5.3 UJ
Carbon disulfide	820000	3700000	5.2 U	460 U	4.6 U	3.2 J	430 U	11 UJ	12 U	5.3 U
Carbon tetrachloride	610	3000	5.2 U	460 U	4.6 U	5.1 U	430 U	11 UJ	12 U	5.3 U
Chlorobenzene	290000	1400000	5.2 U	460 U	4.6 U	5.1 U	430 U	11 UJ	12 UJ	5.3 U
Chloroethane	15000000	61000000	5.2 U	460 UJ	4.6 UJ	5.1 UJ	430 U	19 J	12 UJ	5.3 UJ
Chloroform (Trichloromethane)	290	1500	5.2 U	460 U	4.6 U	5.1 U	430 U	11 UJ	12 U	0.40 J
Chloromethane (Methyl chloride)	120000	500000	5.2 U	460 U	4.6 U	5.1 U	430 U	11 UJ	12 U	5.3 U
cis-1,2-Dichloroethene	160000	2000000	5.2 U	460 U	4.6 U	5.1 U	430 U	11 UJ	12 U	5.3 U
cis-1,3-Dichloropropene	-	-	5.2 U	460 U	4.6 U	5.1 U	430 U	11 UJ	12 U	5.3 U
Cyclohexane	7000000	29000000	10 U	910 U	9.3 U	10 U	870 U	4.8 J	24 U	11 U
Dibromochloromethane	680	3300	5.2 U	460 U	4.6 U	5.1 U	430 U	11 UJ	12 UJ	5.3 U
Dichlorodifluoromethane (CFC-12)	94000	400000	5.2 U	R	4.6 U	5.1 U	430 U	11 UJ	12 U	5.3 U
Ethylbenzene	5400	27000	5.2 U	29 J	4.6 U	5.1 U	430 U	11 UJ	12 UJ	5.3 U
Isopropyl benzene	2100000	11000000	5.2 U	210 J	4.6 U	0.27 J	430 U	11 UJ	12 UJ	5.3 U
Methyl acetate	78000000	1000000000	10 U	910 U	9.3 U	10 U	56 J	22 UJ	24 U	11 U
Methyl cyclohexane	-	-	10 U	910 U	0.42 J	10 U	870 U	4.1 J	24 U	11 U
Methyl tert butyl ether (MTBE)	43000	220000	5.2 U	460 U	4.6 U	5.1 U	430 U	11 UJ	12 U	5.3 U
Methylene chloride	56000	960000	7.9 U	1300 U	9.6 U	19 U	750 U	34 UJ	48 U	16 U
Styrene	6300000	36000000	5.2 U	460 U	4.6 U	5.1 U	430 U	11 UJ	12 UJ	5.3 U
Tetrachloroethene	22000	110000	5.2 U	460 U	4.6 U	5.1 U	430 U	11 UJ	12 UJ	0.69 J
Toluene	5000000	45000000	0.51 J	74 J	4.6 U	5.1 U	430 U	11 UJ	12 UJ	5.3 U

TABLE 3

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

trans-1,2-Dichloroethene	150000	690000	5.2 U	460 U	4.6 U	5.1 U	430 U	11 UJ	12 U	5.3 U
trans-1,3-Dichloropropene	-	-	5.2 U	460 U	4.6 U	5.1 U	430 U	11 UJ	12 UJ	5.3 U
Trichloroethene	910	6400	0.47 J	460 U	4.6 U	5.1 U	430 U	11 UJ	12 U	36
Trichlorofluoromethane (CFC-11)	790000	3400000	5.2 U	460 U	4.6 U	5.1 U	430 U	11 UJ	12 U	5.3 U
Trifluorotrichloroethane (Freon 113)	43000000	180000000	5.2 U	460 U	4.6 U	5.1 U	430 U	11 UJ	12 U	5.3 U
Vinyl chloride	60	1700	5.2 U	460 U	4.6 U	5.1 U	430 U	18 J	12 U	5.3 U
Xylenes (total)	630000	2700000	10 U	120 J	9.3 U	10 U	870 U	22 UJ	24 UJ	11 U
PCBs										
Aroclor-1016 (PCB-1016)	3900	21000	-	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	140	540	-	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	140	540	-	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	220	740	-	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	220	740	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	220	740	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	220	740	-	-	-	-	-	-	-	-

TABLE 3

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

TABLE 3

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:			*BH90-13*	*BH91-13*	*BH92-13*	*BH92-13*	*BH93-13*
Sample ID:			*S-38443-070813-JL-088*	*S-38443-062713-JC-072*	*S-38443-070913-JC-089*	*S-38443-070913-JC-090*	*S-38443-062813-JC-073*
Sample Date:			*7/8/2013*	*6/27/2013*	*7/9/2013*	*7/9/2013*	*6/28/2013*
Sample Depth:	*USEPA Regional Screening Levels [1]*		*26.5-28.5 ft BGS*	*23-25 ft BGS*	*18.8-20.8 ft BGS*	*18.8-20.8 ft BGS*	*13-15 ft BGS*
						Duplicate	
Parameter	*Residential Soil*	*Industrial Soil*					
	a	*b*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	8700000	38000000	1500	10 U	4.7 U	4.8 U	8.2 UJ
1,1,2,2-Tetrachloroethane	560	2800	390 U	10 U	4.7 U	4.8 U	R
1,1,2-Trichloroethane	1100	5300	45 J	10 U	4.7 U	4.8 U	8.2 UJ
1,1-Dichloroethane	3300	17000	720	10 U	0.77 J	5.6 J	8.2 UJ
1,1-Dichloroethene	240000	1100000	79 J	10 U	4.7 U	4.8 U	8.2 UJ
1,2,4-Trichlorobenzene	22000	99000	390 U	10 U	4.7 U	4.8 U	R
1,2-Dibromo-3-chloropropane (DBCP)	5.4	69	780 U	21 U	9.4 U	9.5 U	R
1,2-Dibromoethane (Ethylene dibromide)	34	170	390 U	10 U	4.7 U	4.8 U	8.2 UJ
1,2-Dichlorobenzene	1900000	9800000	390 U	10 U	4.7 U	4.8 U	R
1,2-Dichloroethane	430	2200	390 U	10 U	4.7 U	4.8 U	8.2 UJ
1,2-Dichloropropane	940	4700	390 U	10 U	4.7 U	4.8 U	8.2 UJ
1,3-Dichlorobenzene	-	-	390 U	10 U	4.7 U	4.8 U	R
1,4-Dichlorobenzene	2400	12000	390 U	10 U	4.7 U	4.8 U	R
2-Butanone (Methyl ethyl ketone) (MEK)	28000000	200000000	1600 U	3.0 J	19 U	19 U	33 UJ
2-Hexanone	210000	1400000	1600 U	41 U	19 U	19 U	33 UJ
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	5300000	53000000	1600 U	41 U	0.52 J	19 U	33 UJ
Acetone	61000000	630000000	1600 U	41 U	19 U	19 U	33 J
Benzene	1100	5400	390 U	10 U	0.69 J	0.49 J	8.2 UJ
Bromodichloromethane	270	1400	390 U	10 U	4.7 U	4.8 U	8.2 UJ
Bromoform	62000	220000	390 U	10 U	4.7 U	4.8 U	8.2 UJ
Bromomethane (Methyl bromide)	7300	32000	390 U	10 U	4.7 U	4.8 U	8.2 UJ
Carbon disulfide	820000	3700000	24 J	10 U	4.7 U	4.8 U	8.2 UJ
Carbon tetrachloride	610	3000	390 U	10 U	4.7 U	4.8 U	8.2 UJ
Chlorobenzene	290000	1400000	750	10 U	0.66 J	15 J	8.2 UJ
Chloroethane	15000000	61000000	390 U	10 U	2.3 J	1.4 J	8.2 UJ
Chloroform (Trichloromethane)	290	1500	390 U	10 U	4.7 U	4.8 U	8.2 UJ
Chloromethane (Methyl chloride)	120000	500000	390 U	10 U	4.7 U	4.8 U	8.2 UJ
cis-1,2-Dichloroethene	160000	2000000	1100	10 U	4.7 U	4.8 U	8.2 UJ
cis-1,3-Dichloropropene	-	-	390 U	10 U	4.7 U	4.8 U	8.2 UJ
Cyclohexane	7000000	29000000	780 U	21 U	0.37 J	0.31 J	16 UJ
Dibromochloromethane	680	3300	390 U	10 U	4.7 U	4.8 U	8.2 UJ
Dichlorodifluoromethane (CFC-12)	94000	400000	R	10 U	4.7 U	4.8 U	8.2 UJ
Ethylbenzene	5400	27000	310 J	10 U	4.7 U	4.8 U	8.2 UJ
Isopropyl benzene	2100000	11000000	57 J	10 U	4.7 U	4.8 U	8.2 UJ
Methyl acetate	78000000	1000000000	300 J	21 U	2.1 J	2.8 J	16 UJ
Methyl cyclohexane	-	-	130 J	21 U	0.39 J	0.35 J	16 UJ
Methyl tert butyl ether (MTBE)	43000	220000	390 U	10 U	4.7 U	4.8 U	8.2 UJ
Methylene chloride	56000	960000	390 U	10 UJ	4.7 U	4.8 U	10 UJ
Styrene	6300000	36000000	390 U	10 U	4.7 U	4.8 U	8.2 UJ
Tetrachloroethene	22000	110000	34 J	10 U	4.7 U	4.8 U	41 J
Toluene	5000000	45000000	150 J	10 U	0.41 J	0.69 J	8.2 UJ

TABLE 3

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

trans-1,2-Dichloroethene	150000	690000	83 J	10 U	4.7 U	4.8 U	8.2 UJ
trans-1,3-Dichloropropene	-	-	390 U	10 U	4.7 U	4.8 U	8.2 UJ
Trichloroethene	910	6400	8400 J[nb]	10 U	4.7 U	4.8 U	3.9 J
Trichlorofluoromethane (CFC-11)	790000	3400000	390 U	10 U	4.7 U	4.8 U	8.2 UJ
Trifluorotrichloroethane (Freon 113)	43000000	180000000	390 U	10 U	4.7 U	4.8 U	8.2 UJ
Vinyl chloride	60	1700	41 J	10 U	4.7 U	4.8 U	8.2 UJ
Xylenes (total)	630000	2700000	1300	21 U	9.4 U	9.5 U	16 UJ
PCBs							
Aroclor-1016 (PCB-1016)	3900	21000	-	-	-	-	-
Aroclor-1221 (PCB-1221)	140	540	-	-	-	-	-
Aroclor-1232 (PCB-1232)	140	540	-	-	-	-	-
Aroclor-1242 (PCB-1242)	220	740	-	-	-	-	-
Aroclor-1248 (PCB-1248)	220	740	-	-	-	-	-
Aroclor-1254 (PCB-1254)	220	740	-	-	-	-	-
Aroclor-1260 (PCB-1260)	220	740	-	-	-	-	-

Notes:

All concentrations are expressed in units of micrograms per kilogram (µg/kg) unless otherwise noted.

[1] - United States Environmental Protection Agency Regional Screening Levels (RSL) for Chemical Contaminants at Superfund Sites, May 2013

- - Not applicable.

J - The parameter was positively identified; however, the associated parameter concentration is estimated.

R - Rejected.

NJ - The compound was tentatively identified. The associated parameter concentration is estimated.

U - The parameter was not detected. The associated numerical value is the sample quantitation limit.

UJ - The parameter was not detected. The associated numerical value is the estimated sample quantitation limit.

- Concentration was greater than applicable criteria.

TABLE 3

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

TABLE 3

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:
Sample ID:
Sample Date:
Sample Depth:

Parameter	***USEPA Regional Screening Levels [1]***	
	Residential Soil	***Industrial Soil***
	a	***b***
Volatile Organic Compounds		
1,1,1-Trichloroethane	8700000	38000000
1,1,2,2-Tetrachloroethane	560	2800
1,1,2-Trichloroethane	1100	5300
1,1-Dichloroethane	3300	17000
1,1-Dichloroethene	240000	1100000
1,2,4-Trichlorobenzene	22000	99000
1,2-Dibromo-3-chloropropane (DBCP)	5.4	69
1,2-Dibromoethane (Ethylene dibromide)	34	170
1,2-Dichlorobenzene	1900000	9800000
1,2-Dichloroethane	430	2200
1,2-Dichloropropane	940	4700
1,3-Dichlorobenzene	-	-
1,4-Dichlorobenzene	2400	12000
2-Butanone (Methyl ethyl ketone) (MEK)	28000000	200000000
2-Hexanone	210000	1400000
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	5300000	53000000
Acetone	61000000	630000000
Benzene	1100	5400
Bromodichloromethane	270	1400
Bromoform	62000	220000
Bromomethane (Methyl bromide)	7300	32000
Carbon disulfide	820000	3700000
Carbon tetrachloride	610	3000
Chlorobenzene	290000	1400000
Chloroethane	15000000	61000000
Chloroform (Trichloromethane)	290	1500
Chloromethane (Methyl chloride)	120000	500000
cis-1,2-Dichloroethene	160000	2000000
cis-1,3-Dichloropropene	-	-
Cyclohexane	7000000	29000000
Dibromochloromethane	680	3300
Dichlorodifluoromethane (CFC-12)	94000	400000
Ethylbenzene	5400	27000
Isopropyl benzene	2100000	11000000
Methyl acetate	78000000	1000000000
Methyl cyclohexane	-	-
Methyl tert butyl ether (MTBE)	43000	220000
Methylene chloride	56000	960000
Styrene	6300000	36000000
Tetrachloroethene	22000	110000
Toluene	5000000	45000000

TABLE 3

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

trans-1,2-Dichloroethene	150000	690000
trans-1,3-Dichloropropene	-	-
Trichloroethene	910	6400
Trichlorofluoromethane (CFC-11)	790000	3400000
Trifluorotrichloroethane (Freon 113)	43000000	180000000
Vinyl chloride	60	1700
Xylenes (total)	630000	2700000
PCBs		
Aroclor-1016 (PCB-1016)	3900	21000
Aroclor-1221 (PCB-1221)	140	540
Aroclor-1232 (PCB-1232)	140	540
Aroclor-1242 (PCB-1242)	220	740
Aroclor-1248 (PCB-1248)	220	740
Aroclor-1254 (PCB-1254)	220	740
Aroclor-1260 (PCB-1260)	220	740

TABLE 3

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

TABLE 3

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:
Sample ID:
Sample Date:
Sample Depth:

	USEPA Regional Screening Levels [1]	
Parameter	***Residential Soil***	***Industrial Soil***
	a	***b***
Volatile Organic Compounds		
1,1,1-Trichloroethane	8700000	38000000
1,1,2,2-Tetrachloroethane	560	2800
1,1,2-Trichloroethane	1100	5300
1,1-Dichloroethane	3300	17000
1,1-Dichloroethene	240000	1100000
1,2,4-Trichlorobenzene	22000	99000
1,2-Dibromo-3-chloropropane (DBCP)	5.4	69
1,2-Dibromoethane (Ethylene dibromide)	34	170
1,2-Dichlorobenzene	1900000	9800000
1,2-Dichloroethane	430	2200
1,2-Dichloropropane	940	4700
1,3-Dichlorobenzene	-	-
1,4-Dichlorobenzene	2400	12000
2-Butanone (Methyl ethyl ketone) (MEK)	28000000	200000000
2-Hexanone	210000	1400000
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	5300000	53000000
Acetone	61000000	630000000
Benzene	1100	5400
Bromodichloromethane	270	1400
Bromoform	62000	220000
Bromomethane (Methyl bromide)	7300	32000
Carbon disulfide	820000	3700000
Carbon tetrachloride	610	3000
Chlorobenzene	290000	1400000
Chloroethane	15000000	61000000
Chloroform (Trichloromethane)	290	1500
Chloromethane (Methyl chloride)	120000	500000
cis-1,2-Dichloroethene	160000	2000000
cis-1,3-Dichloropropene	-	-
Cyclohexane	7000000	29000000
Dibromochloromethane	680	3300
Dichlorodifluoromethane (CFC-12)	94000	400000
Ethylbenzene	5400	27000
Isopropyl benzene	2100000	11000000
Methyl acetate	78000000	1000000000
Methyl cyclohexane	-	-
Methyl tert butyl ether (MTBE)	43000	220000
Methylene chloride	56000	960000
Styrene	6300000	36000000
Tetrachloroethene	22000	110000
Toluene	5000000	45000000

TABLE 3

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

trans-1,2-Dichloroethene	150000	690000
trans-1,3-Dichloropropene	-	-
Trichloroethene	910	6400
Trichlorofluoromethane (CFC-11)	790000	3400000
Trifluorotrichloroethane (Freon 113)	43000000	180000000
Vinyl chloride	60	1700
Xylenes (total)	630000	2700000
PCBs		
Aroclor-1016 (PCB-1016)	3900	21000
Aroclor-1221 (PCB-1221)	140	540
Aroclor-1232 (PCB-1232)	140	540
Aroclor-1242 (PCB-1242)	220	740
Aroclor-1248 (PCB-1248)	220	740
Aroclor-1254 (PCB-1254)	220	740
Aroclor-1260 (PCB-1260)	220	740

TABLE 3

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SOUTH DAYTON DUMP AND LANDFILL SITE
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SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:
Sample ID:
Sample Date:
Sample Depth:

	USEPA Regional Screening Levels [1]	
Parameter	***Residential Soil***	***Industrial Soil***
	a	***b***
Volatile Organic Compounds		
1,1,1-Trichloroethane	8700000	38000000
1,1,2,2-Tetrachloroethane	560	2800
1,1,2-Trichloroethane	1100	5300
1,1-Dichloroethane	3300	17000
1,1-Dichloroethene	240000	1100000
1,2,4-Trichlorobenzene	22000	99000
1,2-Dibromo-3-chloropropane (DBCP)	5.4	69
1,2-Dibromoethane (Ethylene dibromide)	34	170
1,2-Dichlorobenzene	1900000	9800000
1,2-Dichloroethane	430	2200
1,2-Dichloropropane	940	4700
1,3-Dichlorobenzene	-	-
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2-Butanone (Methyl ethyl ketone) (MEK)	28000000	200000000
2-Hexanone	210000	1400000
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	5300000	53000000
Acetone	61000000	630000000
Benzene	1100	5400
Bromodichloromethane	270	1400
Bromoform	62000	220000
Bromomethane (Methyl bromide)	7300	32000
Carbon disulfide	820000	3700000
Carbon tetrachloride	610	3000
Chlorobenzene	290000	1400000
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MORAINE, OHIO

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Vinyl chloride	60	1700
Xylenes (total)	630000	2700000
PCBs		
Aroclor-1016 (PCB-1016)	3900	21000
Aroclor-1221 (PCB-1221)	140	540
Aroclor-1232 (PCB-1232)	140	540
Aroclor-1242 (PCB-1242)	220	740
Aroclor-1248 (PCB-1248)	220	740
Aroclor-1254 (PCB-1254)	220	740
Aroclor-1260 (PCB-1260)	220	740

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SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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Xylenes (total)	630000	2700000
PCBs		
Aroclor-1016 (PCB-1016)	3900	21000
Aroclor-1221 (PCB-1221)	140	540
Aroclor-1232 (PCB-1232)	140	540
Aroclor-1242 (PCB-1242)	220	740
Aroclor-1248 (PCB-1248)	220	740
Aroclor-1254 (PCB-1254)	220	740
Aroclor-1260 (PCB-1260)	220	740

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SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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1,1-Dichloroethane	3300	17000
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Methyl cyclohexane	-	-
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trans-1,3-Dichloropropene	-	-
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Trifluorotrichloroethane (Freon 113)	43000000	180000000
Vinyl chloride	60	1700
Xylenes (total)	630000	2700000
PCBs		
Aroclor-1016 (PCB-1016)	3900	21000
Aroclor-1221 (PCB-1221)	140	540
Aroclor-1232 (PCB-1232)	140	540
Aroclor-1242 (PCB-1242)	220	740
Aroclor-1248 (PCB-1248)	220	740
Aroclor-1254 (PCB-1254)	220	740
Aroclor-1260 (PCB-1260)	220	740

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SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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MORAINE, OHIO

Sample Location:		
Sample ID:		
Sample Date:		
Sample Depth:	***USEPA Regional Screening Levels [1]***	
Parameter	***Residential Soil***	***Industrial Soil***
	a	***b***
Volatile Organic Compounds		
1,1,1-Trichloroethane	8700000	38000000
1,1,2,2-Tetrachloroethane	560	2800
1,1,2-Trichloroethane	1100	5300
1,1-Dichloroethane	3300	17000
1,1-Dichloroethene	240000	1100000
1,2,4-Trichlorobenzene	22000	99000
1,2-Dibromo-3-chloropropane (DBCP)	5.4	69
1,2-Dibromoethane (Ethylene dibromide)	34	170
1,2-Dichlorobenzene	1900000	9800000
1,2-Dichloroethane	430	2200
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Dichlorodifluoromethane (CFC-12)	94000	400000
Ethylbenzene	5400	27000
Isopropyl benzene	2100000	11000000
Methyl acetate	78000000	1000000000
Methyl cyclohexane	-	-
Methyl tert butyl ether (MTBE)	43000	220000
Methylene chloride	56000	960000
Styrene	6300000	36000000
Tetrachloroethene	22000	110000
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SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

trans-1,2-Dichloroethene	150000	690000
trans-1,3-Dichloropropene	-	-
Trichloroethene	910	6400
Trichlorofluoromethane (CFC-11)	790000	3400000
Trifluorotrichloroethane (Freon 113)	43000000	180000000
Vinyl chloride	60	1700
Xylenes (total)	630000	2700000
PCBs		
Aroclor-1016 (PCB-1016)	3900	21000
Aroclor-1221 (PCB-1221)	140	540
Aroclor-1232 (PCB-1232)	140	540
Aroclor-1242 (PCB-1242)	220	740
Aroclor-1248 (PCB-1248)	220	740
Aroclor-1254 (PCB-1254)	220	740
Aroclor-1260 (PCB-1260)	220	740

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SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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MORAINE, OHIO

Sample Location:
Sample ID:
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	USEPA Regional Screening Levels [1]	
Parameter	***Residential Soil***	***Industrial Soil***
	a	***b***
Volatile Organic Compounds		
1,1,1-Trichloroethane	8700000	38000000
1,1,2,2-Tetrachloroethane	560	2800
1,1,2-Trichloroethane	1100	5300
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1,2,4-Trichlorobenzene	22000	99000
1,2-Dibromo-3-chloropropane (DBCP)	5.4	69
1,2-Dibromoethane (Ethylene dibromide)	34	170
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PCBs		
Aroclor-1016 (PCB-1016)	3900	21000
Aroclor-1221 (PCB-1221)	140	540
Aroclor-1232 (PCB-1232)	140	540
Aroclor-1242 (PCB-1242)	220	740
Aroclor-1248 (PCB-1248)	220	740
Aroclor-1254 (PCB-1254)	220	740
Aroclor-1260 (PCB-1260)	220	740

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Aroclor-1242 (PCB-1242)	220	740
Aroclor-1248 (PCB-1248)	220	740
Aroclor-1254 (PCB-1254)	220	740
Aroclor-1260 (PCB-1260)	220	740

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Chlorobenzene	290000	1400000
Chloroethane	15000000	61000000
Chloroform (Trichloromethane)	290	1500
Chloromethane (Methyl chloride)	120000	500000
cis-1,2-Dichloroethene	160000	2000000
cis-1,3-Dichloropropene	-	-
Cyclohexane	7000000	29000000
Dibromochloromethane	680	3300
Dichlorodifluoromethane (CFC-12)	94000	400000
Ethylbenzene	5400	27000
Isopropyl benzene	2100000	11000000
Methyl acetate	78000000	1000000000
Methyl cyclohexane	-	-
Methyl tert butyl ether (MTBE)	43000	220000
Methylene chloride	56000	960000
Styrene	6300000	36000000
Tetrachloroethene	22000	110000
Toluene	5000000	45000000

TABLE 3

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

trans-1,2-Dichloroethene	150000	690000
trans-1,3-Dichloropropene	-	-
Trichloroethene	910	6400
Trichlorofluoromethane (CFC-11)	790000	3400000
Trifluorotrichloroethane (Freon 113)	43000000	180000000
Vinyl chloride	60	1700
Xylenes (total)	630000	2700000
PCBs		
Aroclor-1016 (PCB-1016)	3900	21000
Aroclor-1221 (PCB-1221)	140	540
Aroclor-1232 (PCB-1232)	140	540
Aroclor-1242 (PCB-1242)	220	740
Aroclor-1248 (PCB-1248)	220	740
Aroclor-1254 (PCB-1254)	220	740
Aroclor-1260 (PCB-1260)	220	740

TABLE 3

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

TABLE 3

SUMMARY OF OU1 PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Notes:

All concentrations are expressed in units of micrograms per kilogram (µg/kg) unless otherwise noted.

[1] - United States Environmental Protection Agency Regional Screening Levels (RSL) for Chemical Contaminants at Superfund Sites, May 2013

- - Not applicable.

J - The parameter was positively identified; however, the associated parameter concentration is estimated.

R - Rejected.

NJ - The compound was tentatively identified. The associated parameter concentration is estimated.

U - The parameter was not detected. The associated numerical value is the sample quantitation limit.

UJ - The parameter was not detected. The associated numerical value is the estimated sample quantitation limit.

- Concentration was greater than applicable criteria.

TABLE 4

SUMMARY OF PHASE 1A WASTE CHARACTERIZATION ANALYTICAL RESULTS
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:		***TT-28 Drum1 Contents***	***TT-28 Drum2 Contents***
Sample ID:		***W-38443-062013-GL-001***	***W-38443-062013-GL-002***
Sample Date:		***6/20/2013***	***6/20/2013***
Parameter	***Units***		
TCLP Volatiles			
1,1-Dichloroethene	mg/L	0.025 U	0.025 U
1,2-Dichloroethane	mg/L	0.025 U	0.025 U
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	0.25 U	0.25 U
Benzene	mg/L	0.025 U	0.025 U
Carbon tetrachloride	mg/L	0.025 U	0.025 U
Chlorobenzene	mg/L	0.025 U	0.025 U
Chloroform (Trichloromethane)	mg/L	0.025 U	0.025 U
Tetrachloroethene	mg/L	0.025 U	0.025 U
Trichloroethene	mg/L	0.025 U	0.025 U
Vinyl chloride	mg/L	0.025 U	0.025 U
TCLP Semi-Volatiles			
1,4-Dichlorobenzene	mg/L	0.0040 U	0.0040 U
2,4,5-Trichlorophenol	mg/L	0.020 U	0.020 U
2,4,6-Trichlorophenol	mg/L	0.020 U	0.020 U
2,4-Dinitrotoluene	mg/L	0.020 U	0.020 U
2-Methylphenol	mg/L	0.0040 U	0.0040 U
3&4-Methylphenol	mg/L	0.040 U	0.040 U
Hexachlorobenzene	mg/L	0.020 U	0.020 U
Hexachlorobutadiene	mg/L	0.020 U	0.020 U
Hexachloroethane	mg/L	0.020 U	0.020 U
Nitrobenzene	mg/L	0.0040 U	0.0040 U
Pentachlorophenol	mg/L	0.040 U	0.040 U
Pyridine	mg/L	0.020 U	0.020 U
TCLP Metals			
Arsenic	mg/L	0.0064 JB	0.0045 JB
Barium	mg/L	0.13 JB	0.22 JB
Cadmium	mg/L	0.00069 J	0.0027 J
Chromium	mg/L	0.0061 J	0.0091 J
Lead	mg/L	0.011 J	0.035 J
Mercury	mg/L	0.0020 U	0.0020 U
Selenium	mg/L	0.25 U	0.25 U
Silver	mg/L	0.50 U	0.50 U

TABLE 4

SUMMARY OF PHASE 1A WASTE CHARACTERIZATION ANALYTICAL RESULTS
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

PCBs		***PCBs***			
Aroclor-1016 (PCB-1016)	ug/kg	Aroclor-1016 (PCB-1016)	ug/kg	36 U	39 U
Aroclor-1221 (PCB-1221)	ug/kg	Aroclor-1221 (PCB-1221)	ug/kg	36 U	39 U
Aroclor-1232 (PCB-1232)	ug/kg	Aroclor-1232 (PCB-1232)	ug/kg	36 U	39 U
Aroclor-1242 (PCB-1242)	ug/kg	Aroclor-1242 (PCB-1242)	ug/kg	36 U	39 U
Aroclor-1248 (PCB-1248)	ug/kg	Aroclor-1248 (PCB-1248)	ug/kg	37	33 J
Aroclor-1254 (PCB-1254)	ug/kg	Aroclor-1254 (PCB-1254)	ug/kg	36 U	39 U
Aroclor-1260 (PCB-1260)	ug/kg	Aroclor-1260 (PCB-1260)	ug/kg	36 U	39 U
TCLP Pesticides		***TCLP Pesticides***			
Chlordane	mg/L	Chlordane	mg/L	0.0050 U	0.0050 U
Endrin	mg/L	Endrin	mg/L	0.00050 U	0.00050 U
gamma-BHC (lindane)	mg/L	gamma-BHC (lindane)	mg/L	0.00050 U*	0.00018 J*
Heptachlor	mg/L	Heptachlor	mg/L	0.00050 U	0.00050 U
Heptachlor epoxide	mg/L	Heptachlor epoxide	mg/L	0.00050 U	0.00050 U
Methoxychlor	mg/L	Methoxychlor	mg/L	0.0010 U	0.0010 U
Toxaphene	mg/L	Toxaphene	mg/L	0.020 U	0.020 U
TCLP Herbicides		***TCLP Herbicides***			
2,4,5-TP (Silvex)	mg/L	2,4,5-TP (Silvex)	mg/L	0.00050 U	0.00050 U
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/L	2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/L	0.0020 U	0.0020 U
General Chemistry		***General Chemistry***			
Corrosivity	s.u.	Corrosivity	s.u.	7.50	8.35
Cyanide (total)	mg/kg	Cyanide (total)	mg/kg	0.53 U	0.60 U
Flash point (closed cup)	deg F	Flash point (closed cup)	deg F	180 >	180 >
Sulfide	mg/kg	Sulfide	mg/kg	33 U	36 U

Notes:

* - LCS or LCSD exceeds the control limits.
> - Greater than amount reported.

B - Compound was found in the blank and sample.
J - Estimated concentration.

U - Not detected at the associated reporting limit.

Notes:

* - LCS or LCSD exceeds the control limits.
> - Greater than amount reported.

B - Compound was found in the blank and sample.
J - Estimated concentration.

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SUMMARY OF PHASE 1A WASTE CHARACTERIZATION ANALYTICAL RESULTS
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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SUMMARY OF PHASE 1A WASTE CHARACTERIZATION ANALYTICAL RESULTS
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:

Sample ID:

Sample Date:

Parameter	***Units***
TCLP Volatiles	
1,1-Dichloroethene	mg/L
1,2-Dichloroethane	mg/L
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L
Benzene	mg/L
Carbon tetrachloride	mg/L
Chlorobenzene	mg/L
Chloroform (Trichloromethane)	mg/L
Tetrachloroethene	mg/L
Trichloroethene	mg/L
Vinyl chloride	mg/L
TCLP Semi-Volatiles	
1,4-Dichlorobenzene	mg/L
2,4,5-Trichlorophenol	mg/L
2,4,6-Trichlorophenol	mg/L
2,4-Dinitrotoluene	mg/L
2-Methylphenol	mg/L
3&4-Methylphenol	mg/L
Hexachlorobenzene	mg/L
Hexachlorobutadiene	mg/L
Hexachloroethane	mg/L
Nitrobenzene	mg/L
Pentachlorophenol	mg/L
Pyridine	mg/L
TCLP Metals	
Arsenic	mg/L
Barium	mg/L
Cadmium	mg/L
Chromium	mg/L
Lead	mg/L
Mercury	mg/L
Selenium	mg/L
Silver	mg/L

TABLE 4

SUMMARY OF PHASE 1A WASTE CHARACTERIZATION ANALYTICAL RESULTS
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

PCBs	
Aroclor-1016 (PCB-1016)	ug/kg
Aroclor-1221 (PCB-1221)	ug/kg
Aroclor-1232 (PCB-1232)	ug/kg
Aroclor-1242 (PCB-1242)	ug/kg
Aroclor-1248 (PCB-1248)	ug/kg
Aroclor-1254 (PCB-1254)	ug/kg
Aroclor-1260 (PCB-1260)	ug/kg
TCLP Pesticides	
Chlordane	mg/L
Endrin	mg/L
gamma-BHC (lindane)	mg/L
Heptachlor	mg/L
Heptachlor epoxide	mg/L
Methoxychlor	mg/L
Toxaphene	mg/L
TCLP Herbicides	
2,4,5-TP (Silvex)	mg/L
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/L
General Chemistry	
Corrosivity	s.u.
Cyanide (total)	mg/kg
Flash point (closed cup)	deg F
Sulfide	mg/kg

Notes:

* - LCS or LCSD exceeds the control limits.
> - Greater than amount reported.

B - Compound was found in the blank and sample.
J - Estimated concentration.

U - Not detected at the associated reporting limit.

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SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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MORAINE, OHIO

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SUMMARY OF PHASE 1A WASTE CHARACTERIZATION ANALYTICAL RESULTS
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:

Sample ID:

Sample Date:

Parameter	***Units***
TCLP Volatiles	
1,1-Dichloroethene	mg/L
1,2-Dichloroethane	mg/L
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L
Benzene	mg/L
Carbon tetrachloride	mg/L
Chlorobenzene	mg/L
Chloroform (Trichloromethane)	mg/L
Tetrachloroethene	mg/L
Trichloroethene	mg/L
Vinyl chloride	mg/L
TCLP Semi-Volatiles	
1,4-Dichlorobenzene	mg/L
2,4,5-Trichlorophenol	mg/L
2,4,6-Trichlorophenol	mg/L
2,4-Dinitrotoluene	mg/L
2-Methylphenol	mg/L
3&4-Methylphenol	mg/L
Hexachlorobenzene	mg/L
Hexachlorobutadiene	mg/L
Hexachloroethane	mg/L
Nitrobenzene	mg/L
Pentachlorophenol	mg/L
Pyridine	mg/L
TCLP Metals	
Arsenic	mg/L
Barium	mg/L
Cadmium	mg/L
Chromium	mg/L
Lead	mg/L
Mercury	mg/L
Selenium	mg/L
Silver	mg/L

TABLE 4

SUMMARY OF PHASE 1A WASTE CHARACTERIZATION ANALYTICAL RESULTS
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

PCBs	
Aroclor-1016 (PCB-1016)	ug/kg
Aroclor-1221 (PCB-1221)	ug/kg
Aroclor-1232 (PCB-1232)	ug/kg
Aroclor-1242 (PCB-1242)	ug/kg
Aroclor-1248 (PCB-1248)	ug/kg
Aroclor-1254 (PCB-1254)	ug/kg
Aroclor-1260 (PCB-1260)	ug/kg
TCLP Pesticides	
Chlordane	mg/L
Endrin	mg/L
gamma-BHC (lindane)	mg/L
Heptachlor	mg/L
Heptachlor epoxide	mg/L
Methoxychlor	mg/L
Toxaphene	mg/L
TCLP Herbicides	
2,4,5-TP (Silvex)	mg/L
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/L
General Chemistry	
Corrosivity	s.u.
Cyanide (total)	mg/kg
Flash point (closed cup)	deg F
Sulfide	mg/kg

Notes:

* - LCS or LCSD exceeds the control limits.
> - Greater than amount reported.

B - Compound was found in the blank and sample.
J - Estimated concentration.

U - Not detected at the associated reporting limit.

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MORAINE, OHIO

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MORAINE, OHIO

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SUMMARY OF PHASE 1A WASTE CHARACTERIZATION ANALYTICAL RESULTS
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:

Sample ID:

Sample Date:

Parameter	***Units***
TCLP Volatiles	
1,1-Dichloroethene	mg/L
1,2-Dichloroethane	mg/L
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L
Benzene	mg/L
Carbon tetrachloride	mg/L
Chlorobenzene	mg/L
Chloroform (Trichloromethane)	mg/L
Tetrachloroethene	mg/L
Trichloroethene	mg/L
Vinyl chloride	mg/L
TCLP Semi-Volatiles	
1,4-Dichlorobenzene	mg/L
2,4,5-Trichlorophenol	mg/L
2,4,6-Trichlorophenol	mg/L
2,4-Dinitrotoluene	mg/L
2-Methylphenol	mg/L
3&4-Methylphenol	mg/L
Hexachlorobenzene	mg/L
Hexachlorobutadiene	mg/L
Hexachloroethane	mg/L
Nitrobenzene	mg/L
Pentachlorophenol	mg/L
Pyridine	mg/L
TCLP Metals	
Arsenic	mg/L
Barium	mg/L
Cadmium	mg/L
Chromium	mg/L
Lead	mg/L
Mercury	mg/L
Selenium	mg/L
Silver	mg/L

TABLE 4

SUMMARY OF PHASE 1A WASTE CHARACTERIZATION ANALYTICAL RESULTS
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

PCBs	
Aroclor-1016 (PCB-1016)	ug/kg
Aroclor-1221 (PCB-1221)	ug/kg
Aroclor-1232 (PCB-1232)	ug/kg
Aroclor-1242 (PCB-1242)	ug/kg
Aroclor-1248 (PCB-1248)	ug/kg
Aroclor-1254 (PCB-1254)	ug/kg
Aroclor-1260 (PCB-1260)	ug/kg
TCLP Pesticides	
Chlordane	mg/L
Endrin	mg/L
gamma-BHC (lindane)	mg/L
Heptachlor	mg/L
Heptachlor epoxide	mg/L
Methoxychlor	mg/L
Toxaphene	mg/L
TCLP Herbicides	
2,4,5-TP (Silvex)	mg/L
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/L
General Chemistry	
Corrosivity	s.u.
Cyanide (total)	mg/kg
Flash point (closed cup)	deg F
Sulfide	mg/kg

Notes:

* - LCS or LCSD exceeds the control limits.
> - Greater than amount reported.

B - Compound was found in the blank and sample.
J - Estimated concentration.

U - Not detected at the associated reporting limit.

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SUMMARY OF PHASE 1A WASTE CHARACTERIZATION ANALYTICAL RESULTS
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:

Sample ID:

Sample Date:

Parameter	***Units***
TCLP Volatiles	
1,1-Dichloroethene	mg/L
1,2-Dichloroethane	mg/L
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L
Benzene	mg/L
Carbon tetrachloride	mg/L
Chlorobenzene	mg/L
Chloroform (Trichloromethane)	mg/L
Tetrachloroethene	mg/L
Trichloroethene	mg/L
Vinyl chloride	mg/L
TCLP Semi-Volatiles	
1,4-Dichlorobenzene	mg/L
2,4,5-Trichlorophenol	mg/L
2,4,6-Trichlorophenol	mg/L
2,4-Dinitrotoluene	mg/L
2-Methylphenol	mg/L
3&4-Methylphenol	mg/L
Hexachlorobenzene	mg/L
Hexachlorobutadiene	mg/L
Hexachloroethane	mg/L
Nitrobenzene	mg/L
Pentachlorophenol	mg/L
Pyridine	mg/L
TCLP Metals	
Arsenic	mg/L
Barium	mg/L
Cadmium	mg/L
Chromium	mg/L
Lead	mg/L
Mercury	mg/L
Selenium	mg/L
Silver	mg/L

TABLE 4

SUMMARY OF PHASE 1A WASTE CHARACTERIZATION ANALYTICAL RESULTS
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

PCBs	
Aroclor-1016 (PCB-1016)	ug/kg
Aroclor-1221 (PCB-1221)	ug/kg
Aroclor-1232 (PCB-1232)	ug/kg
Aroclor-1242 (PCB-1242)	ug/kg
Aroclor-1248 (PCB-1248)	ug/kg
Aroclor-1254 (PCB-1254)	ug/kg
Aroclor-1260 (PCB-1260)	ug/kg
TCLP Pesticides	
Chlordane	mg/L
Endrin	mg/L
gamma-BHC (lindane)	mg/L
Heptachlor	mg/L
Heptachlor epoxide	mg/L
Methoxychlor	mg/L
Toxaphene	mg/L
TCLP Herbicides	
2,4,5-TP (Silvex)	mg/L
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/L
General Chemistry	
Corrosivity	s.u.
Cyanide (total)	mg/kg
Flash point (closed cup)	deg F
Sulfide	mg/kg

Notes:

* - LCS or LCSD exceeds the control limits.
> - Greater than amount reported.

B - Compound was found in the blank and sample.
J - Estimated concentration.

U - Not detected at the associated reporting limit.

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SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:

Sample ID:

Sample Date:

Parameter	***Units***
TCLP Volatiles	
1,1-Dichloroethene	mg/L
1,2-Dichloroethane	mg/L
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L
Benzene	mg/L
Carbon tetrachloride	mg/L
Chlorobenzene	mg/L
Chloroform (Trichloromethane)	mg/L
Tetrachloroethene	mg/L
Trichloroethene	mg/L
Vinyl chloride	mg/L
TCLP Semi-Volatiles	
1,4-Dichlorobenzene	mg/L
2,4,5-Trichlorophenol	mg/L
2,4,6-Trichlorophenol	mg/L
2,4-Dinitrotoluene	mg/L
2-Methylphenol	mg/L
3&4-Methylphenol	mg/L
Hexachlorobenzene	mg/L
Hexachlorobutadiene	mg/L
Hexachloroethane	mg/L
Nitrobenzene	mg/L
Pentachlorophenol	mg/L
Pyridine	mg/L
TCLP Metals	
Arsenic	mg/L
Barium	mg/L
Cadmium	mg/L
Chromium	mg/L
Lead	mg/L
Mercury	mg/L
Selenium	mg/L
Silver	mg/L

TABLE 4

SUMMARY OF PHASE 1A WASTE CHARACTERIZATION ANALYTICAL RESULTS
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

PCBs	
Aroclor-1016 (PCB-1016)	ug/kg
Aroclor-1221 (PCB-1221)	ug/kg
Aroclor-1232 (PCB-1232)	ug/kg
Aroclor-1242 (PCB-1242)	ug/kg
Aroclor-1248 (PCB-1248)	ug/kg
Aroclor-1254 (PCB-1254)	ug/kg
Aroclor-1260 (PCB-1260)	ug/kg
TCLP Pesticides	
Chlordane	mg/L
Endrin	mg/L
gamma-BHC (lindane)	mg/L
Heptachlor	mg/L
Heptachlor epoxide	mg/L
Methoxychlor	mg/L
Toxaphene	mg/L
TCLP Herbicides	
2,4,5-TP (Silvex)	mg/L
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/L
General Chemistry	
Corrosivity	s.u.
Cyanide (total)	mg/kg
Flash point (closed cup)	deg F
Sulfide	mg/kg

Notes:

* - LCS or LCSD exceeds the control limits.
> - Greater than amount reported.

B - Compound was found in the blank and sample.
J - Estimated concentration.

U - Not detected at the associated reporting limit.

TABLE 4

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SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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SUMMARY OF PHASE 1A WASTE CHARACTERIZATION ANALYTICAL RESULTS
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:

Sample ID:

Sample Date:

Parameter	***Units***
TCLP Volatiles	
1,1-Dichloroethene	mg/L
1,2-Dichloroethane	mg/L
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L
Benzene	mg/L
Carbon tetrachloride	mg/L
Chlorobenzene	mg/L
Chloroform (Trichloromethane)	mg/L
Tetrachloroethene	mg/L
Trichloroethene	mg/L
Vinyl chloride	mg/L
TCLP Semi-Volatiles	
1,4-Dichlorobenzene	mg/L
2,4,5-Trichlorophenol	mg/L
2,4,6-Trichlorophenol	mg/L
2,4-Dinitrotoluene	mg/L
2-Methylphenol	mg/L
3&4-Methylphenol	mg/L
Hexachlorobenzene	mg/L
Hexachlorobutadiene	mg/L
Hexachloroethane	mg/L
Nitrobenzene	mg/L
Pentachlorophenol	mg/L
Pyridine	mg/L
TCLP Metals	
Arsenic	mg/L
Barium	mg/L
Cadmium	mg/L
Chromium	mg/L
Lead	mg/L
Mercury	mg/L
Selenium	mg/L
Silver	mg/L

TABLE 4

SUMMARY OF PHASE 1A WASTE CHARACTERIZATION ANALYTICAL RESULTS
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

PCBs	
Aroclor-1016 (PCB-1016)	ug/kg
Aroclor-1221 (PCB-1221)	ug/kg
Aroclor-1232 (PCB-1232)	ug/kg
Aroclor-1242 (PCB-1242)	ug/kg
Aroclor-1248 (PCB-1248)	ug/kg
Aroclor-1254 (PCB-1254)	ug/kg
Aroclor-1260 (PCB-1260)	ug/kg
TCLP Pesticides	
Chlordane	mg/L
Endrin	mg/L
gamma-BHC (lindane)	mg/L
Heptachlor	mg/L
Heptachlor epoxide	mg/L
Methoxychlor	mg/L
Toxaphene	mg/L
TCLP Herbicides	
2,4,5-TP (Silvex)	mg/L
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/L
General Chemistry	
Corrosivity	s.u.
Cyanide (total)	mg/kg
Flash point (closed cup)	deg F
Sulfide	mg/kg

Notes:

* - LCS or LCSD exceeds the control limits.
> - Greater than amount reported.

B - Compound was found in the blank and sample.
J - Estimated concentration.

U - Not detected at the associated reporting limit.

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SUMMARY OF PHASE 1A WASTE CHARACTERIZATION ANALYTICAL RESULTS
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:

Sample ID:

Sample Date:

Parameter	***Units***
TCLP Volatiles	
1,1-Dichloroethene	mg/L
1,2-Dichloroethane	mg/L
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L
Benzene	mg/L
Carbon tetrachloride	mg/L
Chlorobenzene	mg/L
Chloroform (Trichloromethane)	mg/L
Tetrachloroethene	mg/L
Trichloroethene	mg/L
Vinyl chloride	mg/L
TCLP Semi-Volatiles	
1,4-Dichlorobenzene	mg/L
2,4,5-Trichlorophenol	mg/L
2,4,6-Trichlorophenol	mg/L
2,4-Dinitrotoluene	mg/L
2-Methylphenol	mg/L
3&4-Methylphenol	mg/L
Hexachlorobenzene	mg/L
Hexachlorobutadiene	mg/L
Hexachloroethane	mg/L
Nitrobenzene	mg/L
Pentachlorophenol	mg/L
Pyridine	mg/L
TCLP Metals	
Arsenic	mg/L
Barium	mg/L
Cadmium	mg/L
Chromium	mg/L
Lead	mg/L
Mercury	mg/L
Selenium	mg/L
Silver	mg/L

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SUMMARY OF PHASE 1A WASTE CHARACTERIZATION ANALYTICAL RESULTS
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

PCBs	
Aroclor-1016 (PCB-1016)	ug/kg
Aroclor-1221 (PCB-1221)	ug/kg
Aroclor-1232 (PCB-1232)	ug/kg
Aroclor-1242 (PCB-1242)	ug/kg
Aroclor-1248 (PCB-1248)	ug/kg
Aroclor-1254 (PCB-1254)	ug/kg
Aroclor-1260 (PCB-1260)	ug/kg
TCLP Pesticides	
Chlordane	mg/L
Endrin	mg/L
gamma-BHC (lindane)	mg/L
Heptachlor	mg/L
Heptachlor epoxide	mg/L
Methoxychlor	mg/L
Toxaphene	mg/L
TCLP Herbicides	
2,4,5-TP (Silvex)	mg/L
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/L
General Chemistry	
Corrosivity	s.u.
Cyanide (total)	mg/kg
Flash point (closed cup)	deg F
Sulfide	mg/kg

Notes:

* - LCS or LCSD exceeds the control limits.
> - Greater than amount reported.

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SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:

Sample ID:

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Parameter	***Units***
TCLP Volatiles	
1,1-Dichloroethene	mg/L
1,2-Dichloroethane	mg/L
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L
Benzene	mg/L
Carbon tetrachloride	mg/L
Chlorobenzene	mg/L
Chloroform (Trichloromethane)	mg/L
Tetrachloroethene	mg/L
Trichloroethene	mg/L
Vinyl chloride	mg/L
TCLP Semi-Volatiles	
1,4-Dichlorobenzene	mg/L
2,4,5-Trichlorophenol	mg/L
2,4,6-Trichlorophenol	mg/L
2,4-Dinitrotoluene	mg/L
2-Methylphenol	mg/L
3&4-Methylphenol	mg/L
Hexachlorobenzene	mg/L
Hexachlorobutadiene	mg/L
Hexachloroethane	mg/L
Nitrobenzene	mg/L
Pentachlorophenol	mg/L
Pyridine	mg/L
TCLP Metals	
Arsenic	mg/L
Barium	mg/L
Cadmium	mg/L
Chromium	mg/L
Lead	mg/L
Mercury	mg/L
Selenium	mg/L
Silver	mg/L

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SUMMARY OF PHASE 1A WASTE CHARACTERIZATION ANALYTICAL RESULTS
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

PCBs	
Aroclor-1016 (PCB-1016)	ug/kg
Aroclor-1221 (PCB-1221)	ug/kg
Aroclor-1232 (PCB-1232)	ug/kg
Aroclor-1242 (PCB-1242)	ug/kg
Aroclor-1248 (PCB-1248)	ug/kg
Aroclor-1254 (PCB-1254)	ug/kg
Aroclor-1260 (PCB-1260)	ug/kg
TCLP Pesticides	
Chlordane	mg/L
Endrin	mg/L
gamma-BHC (lindane)	mg/L
Heptachlor	mg/L
Heptachlor epoxide	mg/L
Methoxychlor	mg/L
Toxaphene	mg/L
TCLP Herbicides	
2,4,5-TP (Silvex)	mg/L
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/L
General Chemistry	
Corrosivity	s.u.
Cyanide (total)	mg/kg
Flash point (closed cup)	deg F
Sulfide	mg/kg

Notes:

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SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:

Sample ID:

Sample Date:

Parameter	***Units***
TCLP Volatiles	
1,1-Dichloroethene	mg/L
1,2-Dichloroethane	mg/L
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L
Benzene	mg/L
Carbon tetrachloride	mg/L
Chlorobenzene	mg/L
Chloroform (Trichloromethane)	mg/L
Tetrachloroethene	mg/L
Trichloroethene	mg/L
Vinyl chloride	mg/L
TCLP Semi-Volatiles	
1,4-Dichlorobenzene	mg/L
2,4,5-Trichlorophenol	mg/L
2,4,6-Trichlorophenol	mg/L
2,4-Dinitrotoluene	mg/L
2-Methylphenol	mg/L
3&4-Methylphenol	mg/L
Hexachlorobenzene	mg/L
Hexachlorobutadiene	mg/L
Hexachloroethane	mg/L
Nitrobenzene	mg/L
Pentachlorophenol	mg/L
Pyridine	mg/L
TCLP Metals	
Arsenic	mg/L
Barium	mg/L
Cadmium	mg/L
Chromium	mg/L
Lead	mg/L
Mercury	mg/L
Selenium	mg/L
Silver	mg/L

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SUMMARY OF PHASE 1A WASTE CHARACTERIZATION ANALYTICAL RESULTS
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

PCBs	
Aroclor-1016 (PCB-1016)	ug/kg
Aroclor-1221 (PCB-1221)	ug/kg
Aroclor-1232 (PCB-1232)	ug/kg
Aroclor-1242 (PCB-1242)	ug/kg
Aroclor-1248 (PCB-1248)	ug/kg
Aroclor-1254 (PCB-1254)	ug/kg
Aroclor-1260 (PCB-1260)	ug/kg
TCLP Pesticides	
Chlordane	mg/L
Endrin	mg/L
gamma-BHC (lindane)	mg/L
Heptachlor	mg/L
Heptachlor epoxide	mg/L
Methoxychlor	mg/L
Toxaphene	mg/L
TCLP Herbicides	
2,4,5-TP (Silvex)	mg/L
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/L
General Chemistry	
Corrosivity	s.u.
Cyanide (total)	mg/kg
Flash point (closed cup)	deg F
Sulfide	mg/kg

Notes:

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MORAINE, OHIO

Sample Location:

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Parameter	***Units***
TCLP Volatiles	
1,1-Dichloroethene	mg/L
1,2-Dichloroethane	mg/L
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L
Benzene	mg/L
Carbon tetrachloride	mg/L
Chlorobenzene	mg/L
Chloroform (Trichloromethane)	mg/L
Tetrachloroethene	mg/L
Trichloroethene	mg/L
Vinyl chloride	mg/L
TCLP Semi-Volatiles	
1,4-Dichlorobenzene	mg/L
2,4,5-Trichlorophenol	mg/L
2,4,6-Trichlorophenol	mg/L
2,4-Dinitrotoluene	mg/L
2-Methylphenol	mg/L
3&4-Methylphenol	mg/L
Hexachlorobenzene	mg/L
Hexachlorobutadiene	mg/L
Hexachloroethane	mg/L
Nitrobenzene	mg/L
Pentachlorophenol	mg/L
Pyridine	mg/L
TCLP Metals	
Arsenic	mg/L
Barium	mg/L
Cadmium	mg/L
Chromium	mg/L
Lead	mg/L
Mercury	mg/L
Selenium	mg/L
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SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

PCBs	
Aroclor-1016 (PCB-1016)	ug/kg
Aroclor-1221 (PCB-1221)	ug/kg
Aroclor-1232 (PCB-1232)	ug/kg
Aroclor-1242 (PCB-1242)	ug/kg
Aroclor-1248 (PCB-1248)	ug/kg
Aroclor-1254 (PCB-1254)	ug/kg
Aroclor-1260 (PCB-1260)	ug/kg
TCLP Pesticides	
Chlordane	mg/L
Endrin	mg/L
gamma-BHC (lindane)	mg/L
Heptachlor	mg/L
Heptachlor epoxide	mg/L
Methoxychlor	mg/L
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TCLP Herbicides	
2,4,5-TP (Silvex)	mg/L
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/L
General Chemistry	
Corrosivity	s.u.
Cyanide (total)	mg/kg
Flash point (closed cup)	deg F
Sulfide	mg/kg

Notes:

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Parameter	***Units***
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1,2-Dichloroethane	mg/L
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Benzene	mg/L
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Chlorobenzene	mg/L
Chloroform (Trichloromethane)	mg/L
Tetrachloroethene	mg/L
Trichloroethene	mg/L
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TCLP Semi-Volatiles	
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2,4,5-Trichlorophenol	mg/L
2,4,6-Trichlorophenol	mg/L
2,4-Dinitrotoluene	mg/L
2-Methylphenol	mg/L
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Hexachlorobenzene	mg/L
Hexachlorobutadiene	mg/L
Hexachloroethane	mg/L
Nitrobenzene	mg/L
Pentachlorophenol	mg/L
Pyridine	mg/L
TCLP Metals	
Arsenic	mg/L
Barium	mg/L
Cadmium	mg/L
Chromium	mg/L
Lead	mg/L
Mercury	mg/L
Selenium	mg/L
Silver	mg/L

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SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

PCBs	
Aroclor-1016 (PCB-1016)	ug/kg
Aroclor-1221 (PCB-1221)	ug/kg
Aroclor-1232 (PCB-1232)	ug/kg
Aroclor-1242 (PCB-1242)	ug/kg
Aroclor-1248 (PCB-1248)	ug/kg
Aroclor-1254 (PCB-1254)	ug/kg
Aroclor-1260 (PCB-1260)	ug/kg
TCLP Pesticides	
Chlordane	mg/L
Endrin	mg/L
gamma-BHC (lindane)	mg/L
Heptachlor	mg/L
Heptachlor epoxide	mg/L
Methoxychlor	mg/L
Toxaphene	mg/L
TCLP Herbicides	
2,4,5-TP (Silvex)	mg/L
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/L
General Chemistry	
Corrosivity	s.u.
Cyanide (total)	mg/kg
Flash point (closed cup)	deg F
Sulfide	mg/kg

Notes:

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MORAINE, OHIO

Sample Location:

Sample ID:

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Parameter	***Units***
TCLP Volatiles	
1,1-Dichloroethene	mg/L
1,2-Dichloroethane	mg/L
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L
Benzene	mg/L
Carbon tetrachloride	mg/L
Chlorobenzene	mg/L
Chloroform (Trichloromethane)	mg/L
Tetrachloroethene	mg/L
Trichloroethene	mg/L
Vinyl chloride	mg/L
TCLP Semi-Volatiles	
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2,4,5-Trichlorophenol	mg/L
2,4,6-Trichlorophenol	mg/L
2,4-Dinitrotoluene	mg/L
2-Methylphenol	mg/L
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Hexachlorobenzene	mg/L
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Pyridine	mg/L
TCLP Metals	
Arsenic	mg/L
Barium	mg/L
Cadmium	mg/L
Chromium	mg/L
Lead	mg/L
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Selenium	mg/L
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SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

PCBs	
Aroclor-1016 (PCB-1016)	ug/kg
Aroclor-1221 (PCB-1221)	ug/kg
Aroclor-1232 (PCB-1232)	ug/kg
Aroclor-1242 (PCB-1242)	ug/kg
Aroclor-1248 (PCB-1248)	ug/kg
Aroclor-1254 (PCB-1254)	ug/kg
Aroclor-1260 (PCB-1260)	ug/kg
TCLP Pesticides	
Chlordane	mg/L
Endrin	mg/L
gamma-BHC (lindane)	mg/L
Heptachlor	mg/L
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TCLP Herbicides	
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2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/L
General Chemistry	
Corrosivity	s.u.
Cyanide (total)	mg/kg
Flash point (closed cup)	deg F
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Notes:

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Sample Location:

Sample ID:

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Parameter	***Units***
TCLP Volatiles	
1,1-Dichloroethene	mg/L
1,2-Dichloroethane	mg/L
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Chlorobenzene	mg/L
Chloroform (Trichloromethane)	mg/L
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TCLP Semi-Volatiles	
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2,4,6-Trichlorophenol	mg/L
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MORAINE, OHIO

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Aroclor-1221 (PCB-1221)	ug/kg
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Aroclor-1254 (PCB-1254)	ug/kg
Aroclor-1260 (PCB-1260)	ug/kg
TCLP Pesticides	
Chlordane	mg/L
Endrin	mg/L
gamma-BHC (lindane)	mg/L
Heptachlor	mg/L
Heptachlor epoxide	mg/L
Methoxychlor	mg/L
Toxaphene	mg/L
TCLP Herbicides	
2,4,5-TP (Silvex)	mg/L
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/L
General Chemistry	
Corrosivity	s.u.
Cyanide (total)	mg/kg
Flash point (closed cup)	deg F
Sulfide	mg/kg

Notes:

* - LCS or LCSD exceeds the control limits.
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MORAINE, OHIO

Sample Location:

Sample ID:

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Parameter	***Units***
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1,1-Dichloroethene	mg/L
1,2-Dichloroethane	mg/L
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Benzene	mg/L
Carbon tetrachloride	mg/L
Chlorobenzene	mg/L
Chloroform (Trichloromethane)	mg/L
Tetrachloroethene	mg/L
Trichloroethene	mg/L
Vinyl chloride	mg/L
TCLP Semi-Volatiles	
1,4-Dichlorobenzene	mg/L
2,4,5-Trichlorophenol	mg/L
2,4,6-Trichlorophenol	mg/L
2,4-Dinitrotoluene	mg/L
2-Methylphenol	mg/L
3&4-Methylphenol	mg/L
Hexachlorobenzene	mg/L
Hexachlorobutadiene	mg/L
Hexachloroethane	mg/L
Nitrobenzene	mg/L
Pentachlorophenol	mg/L
Pyridine	mg/L
TCLP Metals	
Arsenic	mg/L
Barium	mg/L
Cadmium	mg/L
Chromium	mg/L
Lead	mg/L
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Selenium	mg/L
Silver	mg/L

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SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

PCBs	
Aroclor-1016 (PCB-1016)	ug/kg
Aroclor-1221 (PCB-1221)	ug/kg
Aroclor-1232 (PCB-1232)	ug/kg
Aroclor-1242 (PCB-1242)	ug/kg
Aroclor-1248 (PCB-1248)	ug/kg
Aroclor-1254 (PCB-1254)	ug/kg
Aroclor-1260 (PCB-1260)	ug/kg
TCLP Pesticides	
Chlordane	mg/L
Endrin	mg/L
gamma-BHC (lindane)	mg/L
Heptachlor	mg/L
Heptachlor epoxide	mg/L
Methoxychlor	mg/L
Toxaphene	mg/L
TCLP Herbicides	
2,4,5-TP (Silvex)	mg/L
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/L
General Chemistry	
Corrosivity	s.u.
Cyanide (total)	mg/kg
Flash point (closed cup)	deg F
Sulfide	mg/kg

Notes:

* - LCS or LCSD exceeds the control limits.
> - Greater than amount reported.

B - Compound was found in the blank and sample.
J - Estimated concentration.

U - Not detected at the associated reporting limit.

TABLE 4

SUMMARY OF PHASE 1A WASTE CHARACTERIZATION ANALYTICAL RESULTS
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:

Sample ID:

Sample Date:

Parameter	***Units***
TCLP Volatiles	
1,1-Dichloroethene	mg/L
1,2-Dichloroethane	mg/L
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L
Benzene	mg/L
Carbon tetrachloride	mg/L
Chlorobenzene	mg/L
Chloroform (Trichloromethane)	mg/L
Tetrachloroethene	mg/L
Trichloroethene	mg/L
Vinyl chloride	mg/L
TCLP Semi-Volatiles	
1,4-Dichlorobenzene	mg/L
2,4,5-Trichlorophenol	mg/L
2,4,6-Trichlorophenol	mg/L
2,4-Dinitrotoluene	mg/L
2-Methylphenol	mg/L
3&4-Methylphenol	mg/L
Hexachlorobenzene	mg/L
Hexachlorobutadiene	mg/L
Hexachloroethane	mg/L
Nitrobenzene	mg/L
Pentachlorophenol	mg/L
Pyridine	mg/L
TCLP Metals	
Arsenic	mg/L
Barium	mg/L
Cadmium	mg/L
Chromium	mg/L
Lead	mg/L
Mercury	mg/L
Selenium	mg/L
Silver	mg/L

TABLE 4

SUMMARY OF PHASE 1A WASTE CHARACTERIZATION ANALYTICAL RESULTS
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

PCBs	
Aroclor-1016 (PCB-1016)	ug/kg
Aroclor-1221 (PCB-1221)	ug/kg
Aroclor-1232 (PCB-1232)	ug/kg
Aroclor-1242 (PCB-1242)	ug/kg
Aroclor-1248 (PCB-1248)	ug/kg
Aroclor-1254 (PCB-1254)	ug/kg
Aroclor-1260 (PCB-1260)	ug/kg
TCLP Pesticides	
Chlordane	mg/L
Endrin	mg/L
gamma-BHC (lindane)	mg/L
Heptachlor	mg/L
Heptachlor epoxide	mg/L
Methoxychlor	mg/L
Toxaphene	mg/L
TCLP Herbicides	
2,4,5-TP (Silvex)	mg/L
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/L
General Chemistry	
Corrosivity	s.u.
Cyanide (total)	mg/kg
Flash point (closed cup)	deg F
Sulfide	mg/kg

Notes:

* - LCS or LCSD exceeds the control limits.
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SOUTH DAYTON DUMP AND LANDFILL SITE
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Sample Location:

Sample ID:

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Parameter	***Units***
TCLP Volatiles	
1,1-Dichloroethene	mg/L
1,2-Dichloroethane	mg/L
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L
Benzene	mg/L
Carbon tetrachloride	mg/L
Chlorobenzene	mg/L
Chloroform (Trichloromethane)	mg/L
Tetrachloroethene	mg/L
Trichloroethene	mg/L
Vinyl chloride	mg/L
TCLP Semi-Volatiles	
1,4-Dichlorobenzene	mg/L
2,4,5-Trichlorophenol	mg/L
2,4,6-Trichlorophenol	mg/L
2,4-Dinitrotoluene	mg/L
2-Methylphenol	mg/L
3&4-Methylphenol	mg/L
Hexachlorobenzene	mg/L
Hexachlorobutadiene	mg/L
Hexachloroethane	mg/L
Nitrobenzene	mg/L
Pentachlorophenol	mg/L
Pyridine	mg/L
TCLP Metals	
Arsenic	mg/L
Barium	mg/L
Cadmium	mg/L
Chromium	mg/L
Lead	mg/L
Mercury	mg/L
Selenium	mg/L
Silver	mg/L

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SUMMARY OF PHASE 1A WASTE CHARACTERIZATION ANALYTICAL RESULTS
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

PCBs	
Aroclor-1016 (PCB-1016)	ug/kg
Aroclor-1221 (PCB-1221)	ug/kg
Aroclor-1232 (PCB-1232)	ug/kg
Aroclor-1242 (PCB-1242)	ug/kg
Aroclor-1248 (PCB-1248)	ug/kg
Aroclor-1254 (PCB-1254)	ug/kg
Aroclor-1260 (PCB-1260)	ug/kg
TCLP Pesticides	
Chlordane	mg/L
Endrin	mg/L
gamma-BHC (lindane)	mg/L
Heptachlor	mg/L
Heptachlor epoxide	mg/L
Methoxychlor	mg/L
Toxaphene	mg/L
TCLP Herbicides	
2,4,5-TP (Silvex)	mg/L
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/L
General Chemistry	
Corrosivity	s.u.
Cyanide (total)	mg/kg
Flash point (closed cup)	deg F
Sulfide	mg/kg

Notes:

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SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:

Sample ID:

Sample Date:

Parameter	***Units***
TCLP Volatiles	
1,1-Dichloroethene	mg/L
1,2-Dichloroethane	mg/L
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L
Benzene	mg/L
Carbon tetrachloride	mg/L
Chlorobenzene	mg/L
Chloroform (Trichloromethane)	mg/L
Tetrachloroethene	mg/L
Trichloroethene	mg/L
Vinyl chloride	mg/L
TCLP Semi-Volatiles	
1,4-Dichlorobenzene	mg/L
2,4,5-Trichlorophenol	mg/L
2,4,6-Trichlorophenol	mg/L
2,4-Dinitrotoluene	mg/L
2-Methylphenol	mg/L
3&4-Methylphenol	mg/L
Hexachlorobenzene	mg/L
Hexachlorobutadiene	mg/L
Hexachloroethane	mg/L
Nitrobenzene	mg/L
Pentachlorophenol	mg/L
Pyridine	mg/L
TCLP Metals	
Arsenic	mg/L
Barium	mg/L
Cadmium	mg/L
Chromium	mg/L
Lead	mg/L
Mercury	mg/L
Selenium	mg/L
Silver	mg/L

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SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

PCBs	
Aroclor-1016 (PCB-1016)	ug/kg
Aroclor-1221 (PCB-1221)	ug/kg
Aroclor-1232 (PCB-1232)	ug/kg
Aroclor-1242 (PCB-1242)	ug/kg
Aroclor-1248 (PCB-1248)	ug/kg
Aroclor-1254 (PCB-1254)	ug/kg
Aroclor-1260 (PCB-1260)	ug/kg
TCLP Pesticides	
Chlordane	mg/L
Endrin	mg/L
gamma-BHC (lindane)	mg/L
Heptachlor	mg/L
Heptachlor epoxide	mg/L
Methoxychlor	mg/L
Toxaphene	mg/L
TCLP Herbicides	
2,4,5-TP (Silvex)	mg/L
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/L
General Chemistry	
Corrosivity	s.u.
Cyanide (total)	mg/kg
Flash point (closed cup)	deg F
Sulfide	mg/kg

Notes:

* - LCS or LCSD exceeds the control limits.
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SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:

Sample ID:

Sample Date:

Parameter	***Units***
TCLP Volatiles	
1,1-Dichloroethene	mg/L
1,2-Dichloroethane	mg/L
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L
Benzene	mg/L
Carbon tetrachloride	mg/L
Chlorobenzene	mg/L
Chloroform (Trichloromethane)	mg/L
Tetrachloroethene	mg/L
Trichloroethene	mg/L
Vinyl chloride	mg/L
TCLP Semi-Volatiles	
1,4-Dichlorobenzene	mg/L
2,4,5-Trichlorophenol	mg/L
2,4,6-Trichlorophenol	mg/L
2,4-Dinitrotoluene	mg/L
2-Methylphenol	mg/L
3&4-Methylphenol	mg/L
Hexachlorobenzene	mg/L
Hexachlorobutadiene	mg/L
Hexachloroethane	mg/L
Nitrobenzene	mg/L
Pentachlorophenol	mg/L
Pyridine	mg/L
TCLP Metals	
Arsenic	mg/L
Barium	mg/L
Cadmium	mg/L
Chromium	mg/L
Lead	mg/L
Mercury	mg/L
Selenium	mg/L
Silver	mg/L

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SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

PCBs	
Aroclor-1016 (PCB-1016)	ug/kg
Aroclor-1221 (PCB-1221)	ug/kg
Aroclor-1232 (PCB-1232)	ug/kg
Aroclor-1242 (PCB-1242)	ug/kg
Aroclor-1248 (PCB-1248)	ug/kg
Aroclor-1254 (PCB-1254)	ug/kg
Aroclor-1260 (PCB-1260)	ug/kg
TCLP Pesticides	
Chlordane	mg/L
Endrin	mg/L
gamma-BHC (lindane)	mg/L
Heptachlor	mg/L
Heptachlor epoxide	mg/L
Methoxychlor	mg/L
Toxaphene	mg/L
TCLP Herbicides	
2,4,5-TP (Silvex)	mg/L
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/L
General Chemistry	
Corrosivity	s.u.
Cyanide (total)	mg/kg
Flash point (closed cup)	deg F
Sulfide	mg/kg

Notes:

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SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:

Sample ID:

Sample Date:

Parameter	***Units***
TCLP Volatiles	
1,1-Dichloroethene	mg/L
1,2-Dichloroethane	mg/L
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L
Benzene	mg/L
Carbon tetrachloride	mg/L
Chlorobenzene	mg/L
Chloroform (Trichloromethane)	mg/L
Tetrachloroethene	mg/L
Trichloroethene	mg/L
Vinyl chloride	mg/L
TCLP Semi-Volatiles	
1,4-Dichlorobenzene	mg/L
2,4,5-Trichlorophenol	mg/L
2,4,6-Trichlorophenol	mg/L
2,4-Dinitrotoluene	mg/L
2-Methylphenol	mg/L
3&4-Methylphenol	mg/L
Hexachlorobenzene	mg/L
Hexachlorobutadiene	mg/L
Hexachloroethane	mg/L
Nitrobenzene	mg/L
Pentachlorophenol	mg/L
Pyridine	mg/L
TCLP Metals	
Arsenic	mg/L
Barium	mg/L
Cadmium	mg/L
Chromium	mg/L
Lead	mg/L
Mercury	mg/L
Selenium	mg/L
Silver	mg/L

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SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

PCBs	
Aroclor-1016 (PCB-1016)	ug/kg
Aroclor-1221 (PCB-1221)	ug/kg
Aroclor-1232 (PCB-1232)	ug/kg
Aroclor-1242 (PCB-1242)	ug/kg
Aroclor-1248 (PCB-1248)	ug/kg
Aroclor-1254 (PCB-1254)	ug/kg
Aroclor-1260 (PCB-1260)	ug/kg
TCLP Pesticides	
Chlordane	mg/L
Endrin	mg/L
gamma-BHC (lindane)	mg/L
Heptachlor	mg/L
Heptachlor epoxide	mg/L
Methoxychlor	mg/L
Toxaphene	mg/L
TCLP Herbicides	
2,4,5-TP (Silvex)	mg/L
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/L
General Chemistry	
Corrosivity	s.u.
Cyanide (total)	mg/kg
Flash point (closed cup)	deg F
Sulfide	mg/kg

Notes:

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SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:

Sample ID:

Sample Date:

Parameter	***Units***
TCLP Volatiles	
1,1-Dichloroethene	mg/L
1,2-Dichloroethane	mg/L
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L
Benzene	mg/L
Carbon tetrachloride	mg/L
Chlorobenzene	mg/L
Chloroform (Trichloromethane)	mg/L
Tetrachloroethene	mg/L
Trichloroethene	mg/L
Vinyl chloride	mg/L
TCLP Semi-Volatiles	
1,4-Dichlorobenzene	mg/L
2,4,5-Trichlorophenol	mg/L
2,4,6-Trichlorophenol	mg/L
2,4-Dinitrotoluene	mg/L
2-Methylphenol	mg/L
3&4-Methylphenol	mg/L
Hexachlorobenzene	mg/L
Hexachlorobutadiene	mg/L
Hexachloroethane	mg/L
Nitrobenzene	mg/L
Pentachlorophenol	mg/L
Pyridine	mg/L
TCLP Metals	
Arsenic	mg/L
Barium	mg/L
Cadmium	mg/L
Chromium	mg/L
Lead	mg/L
Mercury	mg/L
Selenium	mg/L
Silver	mg/L

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SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

PCBs	
Aroclor-1016 (PCB-1016)	ug/kg
Aroclor-1221 (PCB-1221)	ug/kg
Aroclor-1232 (PCB-1232)	ug/kg
Aroclor-1242 (PCB-1242)	ug/kg
Aroclor-1248 (PCB-1248)	ug/kg
Aroclor-1254 (PCB-1254)	ug/kg
Aroclor-1260 (PCB-1260)	ug/kg
TCLP Pesticides	
Chlordane	mg/L
Endrin	mg/L
gamma-BHC (lindane)	mg/L
Heptachlor	mg/L
Heptachlor epoxide	mg/L
Methoxychlor	mg/L
Toxaphene	mg/L
TCLP Herbicides	
2,4,5-TP (Silvex)	mg/L
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/L
General Chemistry	
Corrosivity	s.u.
Cyanide (total)	mg/kg
Flash point (closed cup)	deg F
Sulfide	mg/kg

Notes:

* - LCS or LCSD exceeds the control limits.
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B - Compound was found in the blank and sample.
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SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:

Sample ID:

Sample Date:

Parameter	***Units***
TCLP Volatiles	
1,1-Dichloroethene	mg/L
1,2-Dichloroethane	mg/L
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L
Benzene	mg/L
Carbon tetrachloride	mg/L
Chlorobenzene	mg/L
Chloroform (Trichloromethane)	mg/L
Tetrachloroethene	mg/L
Trichloroethene	mg/L
Vinyl chloride	mg/L
TCLP Semi-Volatiles	
1,4-Dichlorobenzene	mg/L
2,4,5-Trichlorophenol	mg/L
2,4,6-Trichlorophenol	mg/L
2,4-Dinitrotoluene	mg/L
2-Methylphenol	mg/L
3&4-Methylphenol	mg/L
Hexachlorobenzene	mg/L
Hexachlorobutadiene	mg/L
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Arsenic	mg/L
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SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

PCBs	
Aroclor-1016 (PCB-1016)	ug/kg
Aroclor-1221 (PCB-1221)	ug/kg
Aroclor-1232 (PCB-1232)	ug/kg
Aroclor-1242 (PCB-1242)	ug/kg
Aroclor-1248 (PCB-1248)	ug/kg
Aroclor-1254 (PCB-1254)	ug/kg
Aroclor-1260 (PCB-1260)	ug/kg
TCLP Pesticides	
Chlordane	mg/L
Endrin	mg/L
gamma-BHC (lindane)	mg/L
Heptachlor	mg/L
Heptachlor epoxide	mg/L
Methoxychlor	mg/L
Toxaphene	mg/L
TCLP Herbicides	
2,4,5-TP (Silvex)	mg/L
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/L
General Chemistry	
Corrosivity	s.u.
Cyanide (total)	mg/kg
Flash point (closed cup)	deg F
Sulfide	mg/kg

Notes:

* - LCS or LCSD exceeds the control limits.
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Sample Location:

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Parameter	***Units***
TCLP Volatiles	
1,1-Dichloroethene	mg/L
1,2-Dichloroethane	mg/L
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Benzene	mg/L
Carbon tetrachloride	mg/L
Chlorobenzene	mg/L
Chloroform (Trichloromethane)	mg/L
Tetrachloroethene	mg/L
Trichloroethene	mg/L
Vinyl chloride	mg/L
TCLP Semi-Volatiles	
1,4-Dichlorobenzene	mg/L
2,4,5-Trichlorophenol	mg/L
2,4,6-Trichlorophenol	mg/L
2,4-Dinitrotoluene	mg/L
2-Methylphenol	mg/L
3&4-Methylphenol	mg/L
Hexachlorobenzene	mg/L
Hexachlorobutadiene	mg/L
Hexachloroethane	mg/L
Nitrobenzene	mg/L
Pentachlorophenol	mg/L
Pyridine	mg/L
TCLP Metals	
Arsenic	mg/L
Barium	mg/L
Cadmium	mg/L
Chromium	mg/L
Lead	mg/L
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Selenium	mg/L
Silver	mg/L

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SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

PCBs	
Aroclor-1016 (PCB-1016)	ug/kg
Aroclor-1221 (PCB-1221)	ug/kg
Aroclor-1232 (PCB-1232)	ug/kg
Aroclor-1242 (PCB-1242)	ug/kg
Aroclor-1248 (PCB-1248)	ug/kg
Aroclor-1254 (PCB-1254)	ug/kg
Aroclor-1260 (PCB-1260)	ug/kg
TCLP Pesticides	
Chlordane	mg/L
Endrin	mg/L
gamma-BHC (lindane)	mg/L
Heptachlor	mg/L
Heptachlor epoxide	mg/L
Methoxychlor	mg/L
Toxaphene	mg/L
TCLP Herbicides	
2,4,5-TP (Silvex)	mg/L
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/L
General Chemistry	
Corrosivity	s.u.
Cyanide (total)	mg/kg
Flash point (closed cup)	deg F
Sulfide	mg/kg

Notes:

* - LCS or LCSD exceeds the control limits.
> - Greater than amount reported.

B - Compound was found in the blank and sample.
J - Estimated concentration.

U - Not detected at the associated reporting limit.

TABLE 4

SUMMARY OF PHASE 1A WASTE CHARACTERIZATION ANALYTICAL RESULTS
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:

Sample ID:

Sample Date:

Parameter	***Units***
TCLP Volatiles	
1,1-Dichloroethene	mg/L
1,2-Dichloroethane	mg/L
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L
Benzene	mg/L
Carbon tetrachloride	mg/L
Chlorobenzene	mg/L
Chloroform (Trichloromethane)	mg/L
Tetrachloroethene	mg/L
Trichloroethene	mg/L
Vinyl chloride	mg/L
TCLP Semi-Volatiles	
1,4-Dichlorobenzene	mg/L
2,4,5-Trichlorophenol	mg/L
2,4,6-Trichlorophenol	mg/L
2,4-Dinitrotoluene	mg/L
2-Methylphenol	mg/L
3&4-Methylphenol	mg/L
Hexachlorobenzene	mg/L
Hexachlorobutadiene	mg/L
Hexachloroethane	mg/L
Nitrobenzene	mg/L
Pentachlorophenol	mg/L
Pyridine	mg/L
TCLP Metals	
Arsenic	mg/L
Barium	mg/L
Cadmium	mg/L
Chromium	mg/L
Lead	mg/L
Mercury	mg/L
Selenium	mg/L
Silver	mg/L

TABLE 4

SUMMARY OF PHASE 1A WASTE CHARACTERIZATION ANALYTICAL RESULTS
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

PCBs	
Aroclor-1016 (PCB-1016)	ug/kg
Aroclor-1221 (PCB-1221)	ug/kg
Aroclor-1232 (PCB-1232)	ug/kg
Aroclor-1242 (PCB-1242)	ug/kg
Aroclor-1248 (PCB-1248)	ug/kg
Aroclor-1254 (PCB-1254)	ug/kg
Aroclor-1260 (PCB-1260)	ug/kg
TCLP Pesticides	
Chlordane	mg/L
Endrin	mg/L
gamma-BHC (lindane)	mg/L
Heptachlor	mg/L
Heptachlor epoxide	mg/L
Methoxychlor	mg/L
Toxaphene	mg/L
TCLP Herbicides	
2,4,5-TP (Silvex)	mg/L
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/L
General Chemistry	
Corrosivity	s.u.
Cyanide (total)	mg/kg
Flash point (closed cup)	deg F
Sulfide	mg/kg

Notes:

* - LCS or LCSD exceeds the control limits.
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Parameter	***Units***
TCLP Volatiles	
1,1-Dichloroethene	mg/L
1,2-Dichloroethane	mg/L
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L
Benzene	mg/L
Carbon tetrachloride	mg/L
Chlorobenzene	mg/L
Chloroform (Trichloromethane)	mg/L
Tetrachloroethene	mg/L
Trichloroethene	mg/L
Vinyl chloride	mg/L
TCLP Semi-Volatiles	
1,4-Dichlorobenzene	mg/L
2,4,5-Trichlorophenol	mg/L
2,4,6-Trichlorophenol	mg/L
2,4-Dinitrotoluene	mg/L
2-Methylphenol	mg/L
3&4-Methylphenol	mg/L
Hexachlorobenzene	mg/L
Hexachlorobutadiene	mg/L
Hexachloroethane	mg/L
Nitrobenzene	mg/L
Pentachlorophenol	mg/L
Pyridine	mg/L
TCLP Metals	
Arsenic	mg/L
Barium	mg/L
Cadmium	mg/L
Chromium	mg/L
Lead	mg/L
Mercury	mg/L
Selenium	mg/L
Silver	mg/L

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MORAINE, OHIO

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Aroclor-1016 (PCB-1016)	ug/kg
Aroclor-1221 (PCB-1221)	ug/kg
Aroclor-1232 (PCB-1232)	ug/kg
Aroclor-1242 (PCB-1242)	ug/kg
Aroclor-1248 (PCB-1248)	ug/kg
Aroclor-1254 (PCB-1254)	ug/kg
Aroclor-1260 (PCB-1260)	ug/kg
TCLP Pesticides	
Chlordane	mg/L
Endrin	mg/L
gamma-BHC (lindane)	mg/L
Heptachlor	mg/L
Heptachlor epoxide	mg/L
Methoxychlor	mg/L
Toxaphene	mg/L
TCLP Herbicides	
2,4,5-TP (Silvex)	mg/L
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/L
General Chemistry	
Corrosivity	s.u.
Cyanide (total)	mg/kg
Flash point (closed cup)	deg F
Sulfide	mg/kg

Notes:

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Parameter	***Units***
TCLP Volatiles	
1,1-Dichloroethene	mg/L
1,2-Dichloroethane	mg/L
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L
Benzene	mg/L
Carbon tetrachloride	mg/L
Chlorobenzene	mg/L
Chloroform (Trichloromethane)	mg/L
Tetrachloroethene	mg/L
Trichloroethene	mg/L
Vinyl chloride	mg/L
TCLP Semi-Volatiles	
1,4-Dichlorobenzene	mg/L
2,4,5-Trichlorophenol	mg/L
2,4,6-Trichlorophenol	mg/L
2,4-Dinitrotoluene	mg/L
2-Methylphenol	mg/L
3&4-Methylphenol	mg/L
Hexachlorobenzene	mg/L
Hexachlorobutadiene	mg/L
Hexachloroethane	mg/L
Nitrobenzene	mg/L
Pentachlorophenol	mg/L
Pyridine	mg/L
TCLP Metals	
Arsenic	mg/L
Barium	mg/L
Cadmium	mg/L
Chromium	mg/L
Lead	mg/L
Mercury	mg/L
Selenium	mg/L
Silver	mg/L

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SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

PCBs	
Aroclor-1016 (PCB-1016)	ug/kg
Aroclor-1221 (PCB-1221)	ug/kg
Aroclor-1232 (PCB-1232)	ug/kg
Aroclor-1242 (PCB-1242)	ug/kg
Aroclor-1248 (PCB-1248)	ug/kg
Aroclor-1254 (PCB-1254)	ug/kg
Aroclor-1260 (PCB-1260)	ug/kg
TCLP Pesticides	
Chlordane	mg/L
Endrin	mg/L
gamma-BHC (lindane)	mg/L
Heptachlor	mg/L
Heptachlor epoxide	mg/L
Methoxychlor	mg/L
Toxaphene	mg/L
TCLP Herbicides	
2,4,5-TP (Silvex)	mg/L
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/L
General Chemistry	
Corrosivity	s.u.
Cyanide (total)	mg/kg
Flash point (closed cup)	deg F
Sulfide	mg/kg

Notes:

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SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:

Sample ID:

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Parameter	***Units***
TCLP Volatiles	
1,1-Dichloroethene	mg/L
1,2-Dichloroethane	mg/L
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L
Benzene	mg/L
Carbon tetrachloride	mg/L
Chlorobenzene	mg/L
Chloroform (Trichloromethane)	mg/L
Tetrachloroethene	mg/L
Trichloroethene	mg/L
Vinyl chloride	mg/L
TCLP Semi-Volatiles	
1,4-Dichlorobenzene	mg/L
2,4,5-Trichlorophenol	mg/L
2,4,6-Trichlorophenol	mg/L
2,4-Dinitrotoluene	mg/L
2-Methylphenol	mg/L
3&4-Methylphenol	mg/L
Hexachlorobenzene	mg/L
Hexachlorobutadiene	mg/L
Hexachloroethane	mg/L
Nitrobenzene	mg/L
Pentachlorophenol	mg/L
Pyridine	mg/L
TCLP Metals	
Arsenic	mg/L
Barium	mg/L
Cadmium	mg/L
Chromium	mg/L
Lead	mg/L
Mercury	mg/L
Selenium	mg/L
Silver	mg/L

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SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

PCBs	
Aroclor-1016 (PCB-1016)	ug/kg
Aroclor-1221 (PCB-1221)	ug/kg
Aroclor-1232 (PCB-1232)	ug/kg
Aroclor-1242 (PCB-1242)	ug/kg
Aroclor-1248 (PCB-1248)	ug/kg
Aroclor-1254 (PCB-1254)	ug/kg
Aroclor-1260 (PCB-1260)	ug/kg
TCLP Pesticides	
Chlordane	mg/L
Endrin	mg/L
gamma-BHC (lindane)	mg/L
Heptachlor	mg/L
Heptachlor epoxide	mg/L
Methoxychlor	mg/L
Toxaphene	mg/L
TCLP Herbicides	
2,4,5-TP (Silvex)	mg/L
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/L
General Chemistry	
Corrosivity	s.u.
Cyanide (total)	mg/kg
Flash point (closed cup)	deg F
Sulfide	mg/kg

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Sample Location:

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Parameter	***Units***
TCLP Volatiles	
1,1-Dichloroethene	mg/L
1,2-Dichloroethane	mg/L
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Benzene	mg/L
Carbon tetrachloride	mg/L
Chlorobenzene	mg/L
Chloroform (Trichloromethane)	mg/L
Tetrachloroethene	mg/L
Trichloroethene	mg/L
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TCLP Semi-Volatiles	
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2,4,6-Trichlorophenol	mg/L
2,4-Dinitrotoluene	mg/L
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Hexachlorobutadiene	mg/L
Hexachloroethane	mg/L
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Pentachlorophenol	mg/L
Pyridine	mg/L
TCLP Metals	
Arsenic	mg/L
Barium	mg/L
Cadmium	mg/L
Chromium	mg/L
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Selenium	mg/L
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SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

PCBs	
Aroclor-1016 (PCB-1016)	ug/kg
Aroclor-1221 (PCB-1221)	ug/kg
Aroclor-1232 (PCB-1232)	ug/kg
Aroclor-1242 (PCB-1242)	ug/kg
Aroclor-1248 (PCB-1248)	ug/kg
Aroclor-1254 (PCB-1254)	ug/kg
Aroclor-1260 (PCB-1260)	ug/kg
TCLP Pesticides	
Chlordane	mg/L
Endrin	mg/L
gamma-BHC (lindane)	mg/L
Heptachlor	mg/L
Heptachlor epoxide	mg/L
Methoxychlor	mg/L
Toxaphene	mg/L
TCLP Herbicides	
2,4,5-TP (Silvex)	mg/L
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/L
General Chemistry	
Corrosivity	s.u.
Cyanide (total)	mg/kg
Flash point (closed cup)	deg F
Sulfide	mg/kg

Notes:

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Parameter	***Units***
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Benzene	mg/L
Carbon tetrachloride	mg/L
Chlorobenzene	mg/L
Chloroform (Trichloromethane)	mg/L
Tetrachloroethene	mg/L
Trichloroethene	mg/L
Vinyl chloride	mg/L
TCLP Semi-Volatiles	
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2,4,5-Trichlorophenol	mg/L
2,4,6-Trichlorophenol	mg/L
2,4-Dinitrotoluene	mg/L
2-Methylphenol	mg/L
3&4-Methylphenol	mg/L
Hexachlorobenzene	mg/L
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Pentachlorophenol	mg/L
Pyridine	mg/L
TCLP Metals	
Arsenic	mg/L
Barium	mg/L
Cadmium	mg/L
Chromium	mg/L
Lead	mg/L
Mercury	mg/L
Selenium	mg/L
Silver	mg/L

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SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

PCBs	
Aroclor-1016 (PCB-1016)	ug/kg
Aroclor-1221 (PCB-1221)	ug/kg
Aroclor-1232 (PCB-1232)	ug/kg
Aroclor-1242 (PCB-1242)	ug/kg
Aroclor-1248 (PCB-1248)	ug/kg
Aroclor-1254 (PCB-1254)	ug/kg
Aroclor-1260 (PCB-1260)	ug/kg
TCLP Pesticides	
Chlordane	mg/L
Endrin	mg/L
gamma-BHC (lindane)	mg/L
Heptachlor	mg/L
Heptachlor epoxide	mg/L
Methoxychlor	mg/L
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TCLP Herbicides	
2,4,5-TP (Silvex)	mg/L
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/L
General Chemistry	
Corrosivity	s.u.
Cyanide (total)	mg/kg
Flash point (closed cup)	deg F
Sulfide	mg/kg

Notes:

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Sample Location:

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Parameter	***Units***
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1,1-Dichloroethene	mg/L
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Trichloroethene	mg/L
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MORAINE, OHIO

PCBs	
Aroclor-1016 (PCB-1016)	ug/kg
Aroclor-1221 (PCB-1221)	ug/kg
Aroclor-1232 (PCB-1232)	ug/kg
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Aroclor-1254 (PCB-1254)	ug/kg
Aroclor-1260 (PCB-1260)	ug/kg
TCLP Pesticides	
Chlordane	mg/L
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TCLP Semi-Volatiles	
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2,4,6-Trichlorophenol	mg/L
2,4-Dinitrotoluene	mg/L
2-Methylphenol	mg/L
3&4-Methylphenol	mg/L
Hexachlorobenzene	mg/L
Hexachlorobutadiene	mg/L
Hexachloroethane	mg/L
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Pyridine	mg/L
TCLP Metals	
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MORAINE, OHIO

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Aroclor-1016 (PCB-1016)	ug/kg
Aroclor-1221 (PCB-1221)	ug/kg
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Aroclor-1248 (PCB-1248)	ug/kg
Aroclor-1254 (PCB-1254)	ug/kg
Aroclor-1260 (PCB-1260)	ug/kg
TCLP Pesticides	
Chlordane	mg/L
Endrin	mg/L
gamma-BHC (lindane)	mg/L
Heptachlor	mg/L
Heptachlor epoxide	mg/L
Methoxychlor	mg/L
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TCLP Herbicides	
2,4,5-TP (Silvex)	mg/L
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/L
General Chemistry	
Corrosivity	s.u.
Cyanide (total)	mg/kg
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TABLE 4

SUMMARY OF PHASE 1A WASTE CHARACTERIZATION ANALYTICAL RESULTS
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:

Sample ID:

Sample Date:

Parameter	***Units***
TCLP Volatiles	
1,1-Dichloroethene	mg/L
1,2-Dichloroethane	mg/L
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L
Benzene	mg/L
Carbon tetrachloride	mg/L
Chlorobenzene	mg/L
Chloroform (Trichloromethane)	mg/L
Tetrachloroethene	mg/L
Trichloroethene	mg/L
Vinyl chloride	mg/L
TCLP Semi-Volatiles	
1,4-Dichlorobenzene	mg/L
2,4,5-Trichlorophenol	mg/L
2,4,6-Trichlorophenol	mg/L
2,4-Dinitrotoluene	mg/L
2-Methylphenol	mg/L
3&4-Methylphenol	mg/L
Hexachlorobenzene	mg/L
Hexachlorobutadiene	mg/L
Hexachloroethane	mg/L
Nitrobenzene	mg/L
Pentachlorophenol	mg/L
Pyridine	mg/L
TCLP Metals	
Arsenic	mg/L
Barium	mg/L
Cadmium	mg/L
Chromium	mg/L
Lead	mg/L
Mercury	mg/L
Selenium	mg/L
Silver	mg/L

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PCBs	
Aroclor-1016 (PCB-1016)	ug/kg
Aroclor-1221 (PCB-1221)	ug/kg
Aroclor-1232 (PCB-1232)	ug/kg
Aroclor-1242 (PCB-1242)	ug/kg
Aroclor-1248 (PCB-1248)	ug/kg
Aroclor-1254 (PCB-1254)	ug/kg
Aroclor-1260 (PCB-1260)	ug/kg
TCLP Pesticides	
Chlordane	mg/L
Endrin	mg/L
gamma-BHC (lindane)	mg/L
Heptachlor	mg/L
Heptachlor epoxide	mg/L
Methoxychlor	mg/L
Toxaphene	mg/L
TCLP Herbicides	
2,4,5-TP (Silvex)	mg/L
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/L
General Chemistry	
Corrosivity	s.u.
Cyanide (total)	mg/kg
Flash point (closed cup)	deg F
Sulfide	mg/kg

Notes:

* - LCS or LCSD exceeds the control limits.
> - Greater than amount reported.

B - Compound was found in the blank and sample.
J - Estimated concentration.

U - Not detected at the associated reporting limit.

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