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September 20, 2013 Reference No. 038443-74

Ms. Leslie Patterson
Remedial Project Manager
United States Environmental Protection Agency
Region V
77 West Jackson Boulevard
Mail Code SR-6J
Chicago, Illinois
60604

Dear Ms. Patterson:

Re: Proposed Monitoring Well and Vertical Aquifer Sampling Locations – Phase 1B and 2A
South Dayton Dump and Landfill, Moraine, Ohio

Conestoga-Rovers & Associates (CRA) has prepared this letter to provide a summary of the results of the Phase 1A Groundwater Investigation at the South Dayton Dump and Landfill Site (Site), and to provide recommendations for the installation of monitoring wells and Vertical Aquifer Sampling (VAS) borings as part of the Phase 1B and Phase 2A Groundwater Investigations, respectively. CRA has prepared this letter on behalf of the Respondents to the Administrative Settlement Agreement and Order on Consent (ASAOC) for Remedial Investigation/Feasibility Study (RI/FS) of the Site, Docket No. V-W-06-C-852 (Respondents).

The Respondents include Hobart Corporation (Hobart), Kelsey Hayes Company (Kelsey-Hayes), and NCR Corporation (NCR). These three Respondents are and have been performing the Work required by the ASAOC under the direction and oversight of the United States Environmental Protection Agency (USEPA).

1.0 SUMMARY OF PHASE 1A ANALYTICAL RESULTS

1.1 AREA 1

The Respondents completed investigation in Area 1 to delineate TCE groundwater contamination in the vicinity and upgradient of MW-229, and to determine the potential presence and extent of PCB soil and groundwater contamination from TT-21 excavated drum contents.

Boreholes BH41 and BH45 were inaccessible due to the presence of an asphalt pile.

1.1.1 GROUNDWATER

The greatest groundwater concentrations of trichloroethene (TCE) measured in Area 1 during the Phase 1A investigation were 39 to 57 µg/L from boreholes BH30-13 [32.5 – 36.5 feet below ground surface (ft bgs)] and BH31-13 (29.5 – 33.5 ft bgs), respectively. These boreholes are located northwest of MW-229. Previous groundwater samples collected from MW-229 contained TCE at concentrations as high as 70 micrograms per liter (µg/L).

Benzene was detected in a groundwater sample collected from BH33-13 (26 – 30 ft bgs) at 80 µg/L, which is greater than it USEPA MCL (5 µg/L). BH33-13 is located immediately west of the former Valley Asphalt Quonset Hut. There were no other benzene groundwater exceedances in Area 1.

Vinyl chloride was detected in groundwater samples from Area 1 boreholes at concentrations ranging from 2.2 to 9.4 µg/L, which were greater than its USEPA MCL (2 µg/L).

Area 1 groundwater concentrations that were greater than USEPA Maximum Contaminant Levels (MCLs) and Tapwater Regional Screening Levels (RSLs) are presented on Figure 1. A summary of the Phase 1A groundwater analytical results compared to USEPA MCLs and Tapwater RSLs is presented in Table 1.

1.1.2 GROUNDWATER CONCENTRATIONS PROTECTIVE OF INDOOR AIR

Benzene, ethylbenzene, TCE and vinyl chloride groundwater concentrations in samples collected from Area 1 boreholes were greater than groundwater concentrations that are protective of residential and industrial indoor air[1].

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[1] Groundwater concentrations that are protective of residential and industrial air were calculated using the following equation from Appendix H.6 of the *Vapor Intrusion Pathway: A Practical Guideline*. Interstate Technology & Regulatory Council, 2007:

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

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)

Area 1 groundwater concentrations that were greater than concentrations protective of residential and industrial indoor air are presented on Figure 2. A summary of the Phase 1A groundwater analytical results compared to concentrations that are protective of residential and industrial indoor air is presented in Table 2.

1.1.3 SOIL

PCB soil samples were collected from BH44-13, located NW of TT-21. The soil samples were collected at depths of 2 – 4 ft bgs, and 35.5 – 37.5 ft bgs. The soil concentrations of PCBs were either not detected, or were less than the USEPA residential and industrial soil RSLs. The Respondents excavated and disposed of the TT-21 drum and its contents off-Site as hazardous waste. Based on the analytical results of Phase 1A soil and groundwater investigation in Area 1, there is no significant contamination remaining from the former presence of the drum in TT-21.

Ethylbenzene was detected in a soil sample collected from BH33-13(22 - 25 ft bgs) at a concentration of 62,000 micrograms per kilogram (µg/kg), which is greater than its USEPA Industrial Soil RSL (27,000 µg/kg).

TCE and vinyl chloride were detected in soil samples collected from BH33-13 (22 – 25 ft bgs) and BH44-13 (35.5 – 37.5 ft bgs) at concentrations greater than their USEPA Residential Soil RSLs, but less than the USEPA Industrial Soil RSLs.

Area 1 soil concentrations that were greater than USEPA residential and industrial soil RSLs are presented on Figure 3. A summary of the Phase 1A soil analytical results compared to USEPA residential and industrial soil RSLs is presented in Table 3.

1.2 AREA 2

The Respondents completed investigation in Area 2 to determine the shallow groundwater volatile organic compound (VOC) concentrations and determine if potential groundwater contamination may be the source of VOCs detected in GP18-09 soil vapor samples.

USEPA Residential and Industrial Indoor Air RSLs (May 2013) were used for the target indoor air levels (C_{IA}). An attenuation factor of 0.001 is used, in accordance with the draft *OSWER Final Guidance for Assessing and Mitigating the Vapor Intrusion Pathway from Subsurface Sources to Indoor Air*, USEPA, 2013.

1.2.1 GROUNDWATER

Vinyl chloride was detected in groundwater samples from Area 2 boreholes at concentrations ranging from 2.9 to 11 µg/L, which were greater than its USEPA MCL (2 µg/L).

Benzene and naphthalene were detected in groundwater samples from Area 2 boreholes at concentrations greater than USEPA Tapwater criteria, but less than USEPA MCLs.

Area 2 groundwater concentrations that were greater than USEPA MCLs and Tapwater RSLs are presented on Figure 1. A summary of the groundwater analytical results compared to USEPA MCLs and Tapwater RSLs is presented in Table 1.

1.2.2 GROUNDWATER CONCENTRATIONS PROTECTIVE OF INDOOR AIR

The vinyl chloride groundwater concentrations in samples collected from Area 2 boreholes were greater than groundwater concentrations that are protective of residential and industrial indoor air.

Area 2 groundwater concentrations that were greater than concentrations protective of residential and industrial indoor air are presented on Figure 2. A summary of the groundwater analytical results compared to concentrations that are protective of residential and industrial indoor air is presented in Table 2.

1.2.3 SOIL

Ethylbenzene, TCE, and vinyl chloride were detected in soil samples from BH38-13 and BH42-13 at concentrations greater than USEPA Residential Soil RSLs, but less than USEPA Industrial Soil RSLs.

Area 2 soil concentrations that were greater than USEPA residential and industrial soil RSLs are presented on Figure 3. A summary of the soil analytical results compared to USEPA residential and industrial soil RSLs is presented in Table 3.

1.3 AREA 3

The Respondents completed investigation in Area 3 to delineate the residual NAPL plume.

1.3.1 GROUNDWATER

The extent of the LNAPL plume was delineated. LNAPL was not observed or positively identified in boreholes BH46B-13, BH06-09, BH03-09, BH50B-13, BH58B-13, and BH47-13.

Area 3 groundwater concentrations of benzene (100 µg/L), and thallium (5.9 µg/L) were greater than USEPA MCLs.

Area 3 groundwater concentrations that were greater than USEPA MCLs and Tapwater RSLs are presented on Figure 1. A summary of the groundwater analytical results compared to USEPA MCLs and Tapwater RSLs is presented in Table 1.

1.3.2 GROUNDWATER CONCENTRATIONS PROTECTIVE OF INDOOR AIR

The benzene groundwater concentration in a sample collected from BH46-13 (31 – 35 ft bgs) was greater than groundwater concentrations that are protective of residential and industrial indoor air.

Area 3 groundwater concentrations that were greater than concentrations protective of residential and industrial indoor air are presented on Figure 2. A summary of the groundwater analytical results compared to concentrations that are protective of residential and industrial indoor air is presented in Table 2.

1.3.3 SOIL

No soil samples were collected from Area 3 boreholes, in accordance with the Phase 1A Work Plan, dated May 10, 2013.

1.4 AREA 4

The Respondents completed investigation in Area 4 to investigate the possibility that a source of chlorinated solvents may be present in soil or groundwater.

1.4.1 GROUNDWATER

Groundwater concentrations in samples collected from Area 4 boreholes were less than USEPA MCLs.

Area 4 groundwater concentrations that were greater than USEPA Tapwater RSLs are presented on Figure 1. A summary of the groundwater analytical results compared to USEPA MCLs and Tapwater RSLs is presented in Table 1.

1.4.2 GROUNDWATER CONCENTRATIONS PROTECTIVE OF INDOOR AIR

TCE and vinyl chloride groundwater concentrations in samples collected from Area 4 boreholes were greater than groundwater concentrations that are protective of residential indoor air.

Area 4 groundwater concentrations that were greater than concentrations protective of residential are presented on Figure 2. A summary of the groundwater analytical results compared to concentrations that are protective of residential and industrial indoor air is presented in Table 2.

1.4.3 SOIL

Ethylbenzene was detected in a soil sample collected from BH55-13 (2-4 ft bgs) at a concentration of 260,000 µg/kg, which is greater than its USEPA Industrial Soil RSL (27,000 µg/kg).

Area 4 soil concentrations that were greater than USEPA residential and industrial soil RSLs are presented on Figure 3. A summary of the soil analytical results compared to USEPA residential and industrial soil RSLs is presented in Table 3.

1.5 AREA 5

The Respondents completed investigation in Area 5 to provide additional delineation and determine the possibility of additional sources of VOCs and polychlorinated biphenyls (PCBs).

1.5.1 GROUNDWATER

TCE was detected in groundwater samples from BH69-13 (24 – 28 ft bgs) and BH70-13 (23.5 – 27.5 ft bgs) at concentrations ranging from 43 to 74 µg/L, which were greater than the USEPA MCL of 5 µg/L.

NAPL was positively identified in boreholes BH69-13 (23 – 25 ft bgs) and BH72-13 (20.75 – 22.75 ft bgs) at depths below the water table.

PCBs were not detected in the groundwater samples collected from Area 5 boreholes.

Area 5 groundwater concentrations that were greater than USEPA MCLs and Tapwater RSLs are presented on Figure 1. A summary of the groundwater analytical results compared to USEPA MCLs and Tapwater RSLs is presented in Table 1.

1.5.2 GROUNDWATER CONCENTRATIONS PROTECTIVE OF INDOOR AIR

TCE groundwater concentrations in samples collected from Area 5 boreholes were greater than groundwater concentrations that are protective of residential and industrial indoor air. 1,4-dichlorobenzene groundwater concentration in a sample collected from BH72-13 was greater than its groundwater concentration that is protective of residential indoor air.

Area 5 groundwater concentrations that were greater than concentrations protective of residential and industrial indoor air are presented on Figure 2. A summary of the groundwater analytical results compared to concentrations that are protective of residential and industrial indoor air is presented in Table 2.

1.5.3 SOIL

Ethylbenzene was detected in a soil sample collected from BH66-13 (10 – 12 ft bgs) at a concentration of 45,000 µg/kg, which was greater than its USEPA Industrial Soil RSL (27,000 µg/kg).

TCE was detected in BH59-13 (2 – 4 ft bgs) at a concentration greater than its USEPA Residential Soil RSL, but less than its USEPA Industrial Soil RSL.

PCBs were detected in a soil sample collected from BH66-13 (10 – 12 ft bgs) at concentrations greater than USEPA Residential Soil RSLs, but less than USEPA Industrial Soil RSLs.

NAPL was positively identified in borehole BH68-13 in perched water at a depth of 13.5 ft bgs.

Area 5 soil concentrations that were greater than USEPA residential and industrial soil RSLs are presented on Figure 3. A summary of the soil analytical results compared to USEPA residential and industrial soil RSLs is presented in Table 3.

1.6 AREA 6

The Respondents completed investigation in Area 6 to determine a possible source of chlorinated VOCs and investigate deposition information regarding possible dumping of drum contents.

1.6.1 GROUNDWATER

Vinyl chloride was detected in groundwater samples from Area 6 boreholes at concentrations greater than its USEPA MCL (2 µg/L) at a range of 2.1 to 54 µg/L.

Benzene, TCE, and arsenic were detected in groundwater samples collected from three separate Area 6 boreholes at concentrations greater than their USEPA MCLs.

NAPL was positively identified in borehole BH88-13 at depths both above and below the water table (12.5 – 13 ft bgs, and 22 – 24 ft bgs).

Area 6 groundwater concentrations that were greater than USEPA MCLs and Tapwater RSLs are presented on Figure 1. A summary of the groundwater analytical results compared to USEPA MCLs and Tapwater RSLs is presented in Table 1.

1.6.2 GROUNDWATER CONCENTRATIONS PROTECTIVE OF INDOOR AIR

Benzene, TCE and vinyl chloride groundwater concentrations in samples collected from Area 6 boreholes were greater than groundwater concentrations that are protective of residential and industrial indoor air.

Area 6 groundwater concentrations that were greater than concentrations protective of residential and industrial indoor air are presented on Figure 2. A summary of the groundwater analytical results compared to concentrations that are protective of residential and industrial indoor air is presented in Table 2.

1.6.3 SOIL

Ethylbenzene was detected in a soil sample collected from BH67-13 (7 – 9 ft bgs) at a concentration of 59,000 µg/kg, which was greater than its USEPA Industrial Soil RSL (27,000 µg/kg).

PCBs (Aroclor-1254) were detected in a soil sample collected from BH67-13 (7 – 9 ft bgs) at a concentration of 16,000 µg/kg, which was greater than its USEPA Industrial Soil RSL (740 µg/kg).

NAPL was positively identified in borehole BH88-13 at depths both above and below the water table (12.5 – 13 ft bgs, and 22 – 24 ft bgs).

Area 6 soil concentrations that were greater than USEPA residential and industrial soil RSLs are presented on Figure 3. A summary of the soil analytical results compared to USEPA residential and industrial soil RSLs is presented in Table 3.

1.7 MW-210 AREA

The Respondents completed investigation in the MW-210 to determine VOC and naphthalene shallow groundwater concentrations, and evaluate possible sources of shallow TCE groundwater contamination.

1.7.1 GROUNDWATER

TCE groundwater concentrations at the water table (to a depth of 26 ft bgs) were less than USEPA MCLs. Groundwater samples collected from boreholes downgradient of MW-210 at depth intervals of 29.5 to 33.5 ft bgs contained TCE at concentrations ranging from 8.2 to 78 µg/L, which were greater than its USEPA MCL (5 µg/L).

Thallium groundwater concentrations were greater than USEPA MCLs in samples collected from BH22-13 and BH25-13, located on Parcel 4610, operated by Ron Barnett Construction.

NAPL was positively identified in boreholes BH03-13 (40.6 – 42.6 ft bgs) and BH05-13 (53 – 55 ft bgs) at depths below the water table.

MW-210 area groundwater concentrations that were greater than USEPA MCLs and Tapwater RSLs are presented on Figure 4. A summary of the groundwater analytical results compared to USEPA MCLs and Tapwater RSLs is presented in Table 1.

1.7.2 GROUNDWATER CONCENTRATIONS PROTECTIVE OF INDOOR AIR

The TCE groundwater concentrations were greater than the groundwater concentrations that are protective of residential and industrial indoor air.

MW-210 Area groundwater concentrations that were greater than concentrations protective of residential and industrial indoor air are presented on Figure 5. A summary of the groundwater analytical results compared to concentrations that are protective of residential and industrial indoor air is presented in Table 2.

1.7.3 SOIL

No soil samples were collected from MW-210 boreholes, in accordance with the Phase 1A Work Plan, dated May 10, 2013.

1.8 TP-3 AREA

The Respondents completed investigation in the TP-3 Area to investigate potential chlorobenzene impacts to groundwater.

1.8.1 GROUNDWATER

1,1-Dichloroethane, benzene, and naphthalene were detected in groundwater samples collected from TP-3 boreholes at concentrations greater than USEPA Tapwater criteria.

Chlorobenzene groundwater concentrations were less than USEPA RSLs.

NAPL was positively identified in boreholes BH91-13 (37.7 – 39.7 ft bgs) and BH92-13 (20.8 – 22.8 ft bgs) at depths below the water table.

TP-3 Area groundwater concentrations that were greater than USEPA Tapwater RSLs are presented on Figure 6. A summary of the groundwater analytical results compared to USEPA MCLs and Tapwater RSLs is presented in Table 1.

1.8.2 GROUNDWATER CONCENTRATIONS PROTECTIVE OF INDOOR AIR

The naphthalene groundwater concentration in the sample collected from BH92-13 was greater than its groundwater concentration that is protective of residential indoor air.

TP-3 Area groundwater concentrations that were greater than concentrations protective of residential indoor air are presented on Figure 7. A summary of the groundwater analytical results compared to concentrations that are protective of residential and industrial indoor air is presented in Table 2.

1.8.3 SOIL

TCE was detected in a soil sample collected from BH90-13 (26.5 – 28.5 ft bgs) at a concentration of 8,400 µg/kg, which was greater than its USEPA Industrial Soil RSL (6,400 µg/kg).

Chlorobenzene soil concentrations were less than USEPA RSLs.

TP-3 Area soil concentrations that were greater than USEPA residential and industrial soil RSLs are presented on Figure 8. A summary of the soil analytical results compared to USEPA residential and industrial soil RSLs is presented in Table 3.

1.9 DATA GAPS TEST TRENCH INVESTIGATION

CRA completed excavation of test trenches in these areas to investigate the nature of anomalies identified during the 2008 geophysical investigation.

TT-24 was inaccessible due to the presence of an asphalt pile.

CRA encountered two drums in TT-28 at 13 ft BGS. CRA excavated the drums and sampled the drum contents. A summary of the drum waste analytical results is presented in Table 4.

A summary of the test trench investigation findings is presented on Figure 9.

2.0 PROPOSED MONITORING WELL AND VAS BORING LOCATIONS

New monitoring wells (MW) will be installed for Phase 1B of the Groundwater Investigation. Vertical Aquifer Sampling (VAS) locations will be advanced for Phase 2A of the Groundwater Investigation. The new locations will be installed based on the results of the Phase 1A

Groundwater Investigation and all existing data, including hydrostratigraphic and groundwater/surface water flow data.

Proposed monitoring well and VAS locations are presented in the attached figures. The following table presents the rationale for and proposed screened interval depth of proposed monitoring wells and VAS borings. All proposed monitoring wells that straddle the water table will have 10-foot well screens, while 5-foot well screens will be installed in the remaining monitoring wells.

Area	*Proposed Location*	*Proposed Well Screen Depth (ft bgs)*	*Rationale*
1	MW NW of MW-229 VAS in vicinity of MW-229 and BH31-13	Water table – approximately 32 – 37 ft bgs	The greatest groundwater concentrations of TCE measured in Area 1 during the Phase 1A investigation were in samples collected from BH30-13 and BH31-13. These boreholes are located northwest of MW-229. One monitoring well is proposed northwest of MW-229 to investigate potential TCE migration in off-Site shallow groundwater. One VAS location is proposed in the vicinity of MW-229 and BH31-13 to evaluate aquifer data in the vicinity and at the Site boundary.
2	VAS between BH34-13 and BH33-13		One VAS location is proposed in between BH33-13 and BH34-13, in the footprint of the former Valley Asphalt Quonset Hut, to evaluate methane soil gas, benzene, ethylbenzene, vinyl chloride soil and/or groundwater impacts. The Quonset Hut was used as the former Ottoson Solvents building, and two Dayton Recycling USTs were formerly located adjacent to the west wall of the Quonset Hut. The Quonset Hut was demolished in summer 2013.
3	MW located North of BH46-13	30 – 35	Benzene was detected at a concentration of 100 µg/L from BH46-13. This monitoring well will also serve to monitor groundwater quality at, and off-Site migration along, the northern Site boundary.

Area	*Proposed Location*	*Proposed Well Screen Depth (ft bgs)*	*Rationale*
4	None	N/A	Groundwater concentrations in samples collected from Area 4 boreholes were less than USEPA MCLs.
5	Temporary MW at BH69-13 MW at BH70-13 VAS at BH72-13	23.5 – 28.5 23 – 28	TCE was detected in groundwater samples from BH69-13 and BH70-13 at concentrations greater than its USEPA MCL. NAPL was positively identified in boreholes BH69-13, BH72-13 and BH68-13. The proposed temporary monitoring well at BH69-13 will determine the presence of free-phase NAPL and groundwater quality. The proposed well at BH70-13 will serve to monitor shallow groundwater quality along the eastern Site boundary. One VAS location is proposed at BH72-13 to evaluate aquifer data in the vicinity, and the extent of NAPL. The VAS location is on the down-gradient edge of the TCE and NAPL impacts.
6	Temporary MW at BH88-13	23 – 28	NAPL was positively identified in borehole BH88-13. The proposed temporary monitoring well at BH88-13 will determine the presence of free-phase NAPL and groundwater quality.
MW-210	Temporary MW at BH03-13 VAS at BH05-13 MW at BH14-13 MW at BH17-13 VAS on Parcel 3252	38 – 43 Above till 29 – 34	NAPL was positively identified in boreholes BH03-13 (40.6 – 42.6 ft bgs), and BH05-13 (53 – 55 ft bgs). A strong chemical odor and black staining were observed in BH03-13. A solvent odor was observed in BH05-13. TCE was detected in the groundwater sample collected immediately above the uppermost till layer at a concentration of 94 µg/L from BH17-13. TCE in the upper aquifer zone in this area appears to be highly vertically stratified. Installation of monitoring wells at BH14-13 and BH17-13 will serve to monitor TCE groundwater concentrations

Area	*Proposed Location*	*Proposed Well Screen Depth (ft bgs)*	*Rationale*
			downgradient of MW-210. One VAS location is proposed at BH05-13 to evaluate aquifer data downgradient of the DP&L Garage and the extent of NAPL. The proposed temporary monitoring well at BH03-13 will determine the presence of free-phase NAPL and groundwater quality. One VAS location is proposed on Parcel 3252 to evaluate aquifer data downgradient of the MW-210 TCE groundwater plume.
TP-3	Temporary MW at BH91-13	35 - 40	TCE was detected in a soil sample collected from BH90-13 (26.5 – 28.5 ft bgs) at a concentration greater than its USEPA Industrial Soil RSL. NAPL was positively identified at BH91-13(37.7 – 39.7 ft bgs) and BH92-13 (20.8 – 22.8 ft bgs). The proposed temporary monitoring well at BH91-13 will determine the presence of free-phase NAPL and groundwater quality.

One additional VAS location is proposed on DP&L property to evaluate aquifer data and potential sources of off-Site groundwater contamination.

3.0 SCHEDULE

The Respondents and USEPA will discuss the schedule for the proposed work.

CONESTOGA-ROVERS
& ASSOCIATES

September 20, 2013 Reference No. 038443-73

Should you have any questions on the above, please do not hesitate to contact us.

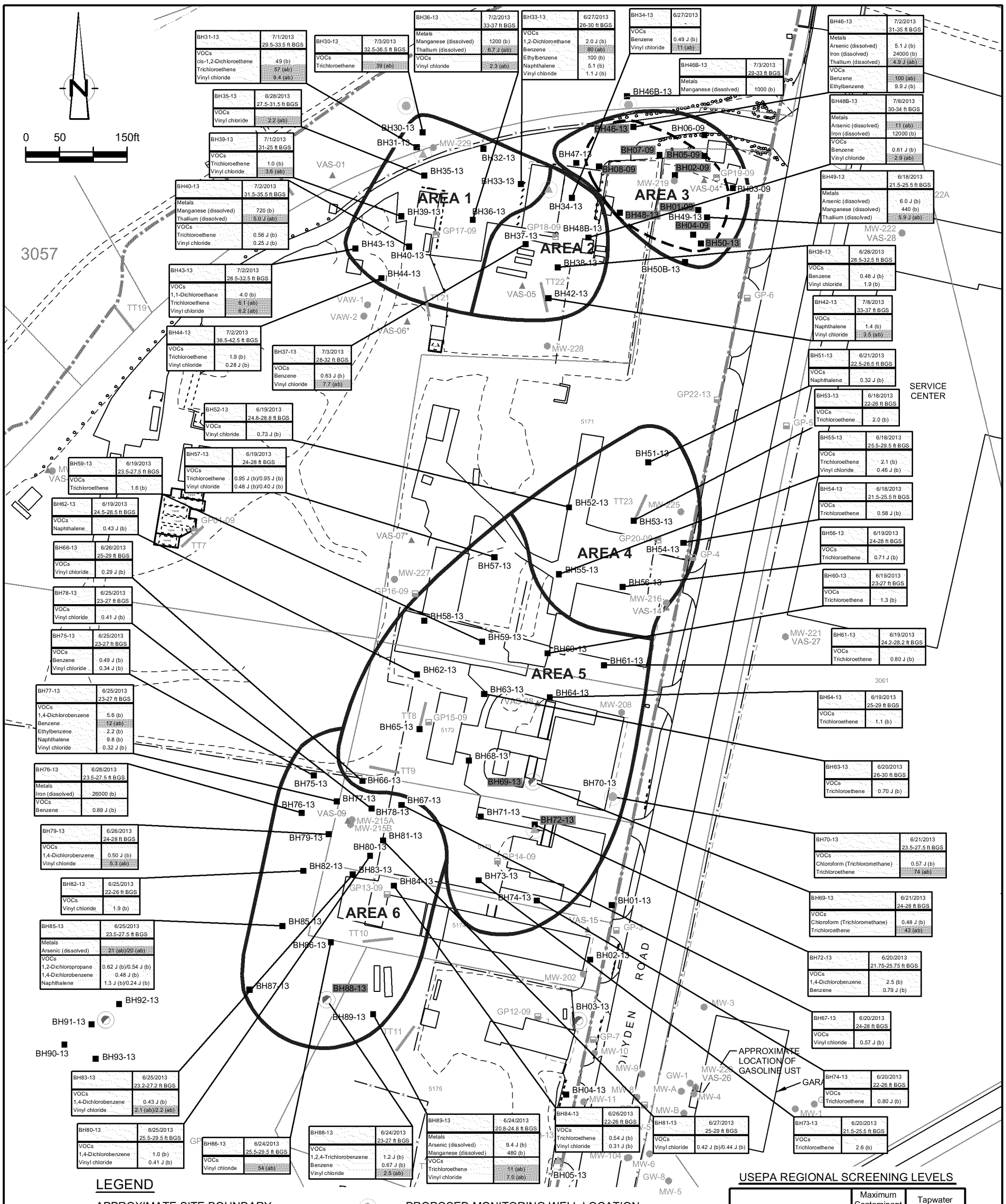
Yours truly,

CONESTOGA-ROVERS & ASSOCIATES

Adam Loney

VC/cb/9
Encl.

cc: Jim Campbell, EMI
Brett Fishwild, CH2M Hill
Ken Brown, ITW
Paul Jack, Castle Bay
Bryan Heath, NCR
Madelyn Smith, Ohio EPA



LEGEND

- APPROXIMATE SITE BOUNDARY
- EDGE OF WATER
- PARCEL BOUNDARY
- EXTENT OF NAPL PLUME
- MW-206 MONITORING WELL LOCATION
- TT1 TEST TRENCH LOCATION
- VAS01 VERTICAL AQUIFER SAMPLING LOCATION
- * VAS LOCATION COMPLETED TO 70 FEET BELOW GROUND SURFACE OR LESS
- GP01-09 SHALLOW LANDFILL GAS PROBE
- GP02-09 DEEP LANDFILL GAS PROBE
- BH01-13 BOREHOLE LOCATION
- GP-1 USEPA NESTED SOIL GAS PROBE LOCATION
- POSITIVE SUDAN IV DYE TEST
- PROPOSED MONITORING WELL LOCATION
- PROPOSED TEMPORARY MONITORING WELL LOCATION
- PROPOSED VERTICAL AQUIFER SAMPLING LOCATION

BH78-13	6/25/2013 23-27 ft BGS
VOCs	
Vinyl chloride	0.41 J (b)

- SAMPLE IDENTIFICATION
- SAMPLE DATE
- SAMPLE DEPTH
- CRITERIA
- &21&(175$7,21 ó J¡ /
- PARAMETER
- J ESTIMATED
- EXCEEDS USEPA MCL

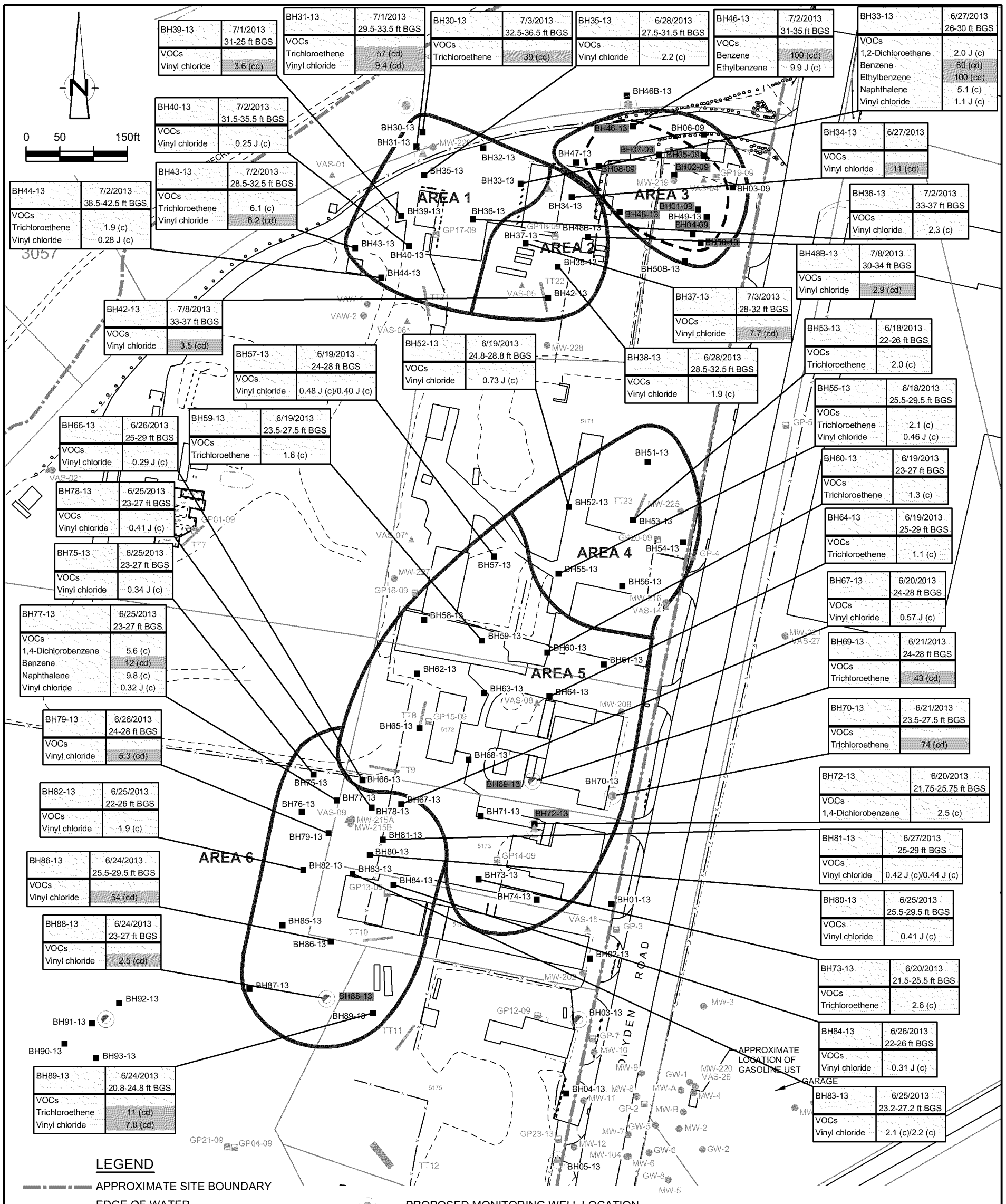
USEPA REGIONAL SCREENING LEVELS

Chemical	Maximum Contaminant Levels (MCL) (a)	Tapwater Criteria (b)
Arsenic (dissolved)	10	0.045
Iron (dissolved)	-	11000
Manganese (dissolved)	-	320
Thallium (dissolved)	2	0.16
1,1-Dichloroethane	-	2.4
1,2,4-Trichlorobenzene	70	0.99
1,2-Dichloroethane	5	0.15
1,2-Dichloropropane	5	0.38
1,4-Dichlorobenzene	75	0.42
Benzene	5	0.39
Chloroform (Trichloromethane)	80	0.19
cis-1,2-Dichloroethene	70	28
Ethylbenzene	700	1.3
Naphthalene	-	0.14
Trichloroethene	5	0.44
Vinyl chloride	2	0.015

figure 1

PHASE 1A AREAS - GROUNDWATER RESULTS vs USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
Moraine, Ohio

SOURCES:
THE PAYNE FIRM, INC., PROJECT 0279.44.05, FIGURE 1, DATED 9/12/05;
TETRA TECH EM INC., PROJECT L0312006-SOUTH DAYTON DUMP, FIGURE 2, SITE LAYOUT, 05/25/2004;
CITY OF MORAINE.
ABRAMS AERIAL SURVEY INC. PROJECT 38443, AASI 29610, 04/02/2008



USEPA REGIONAL SCREENING LEVELS

Chemical	Protection of Residential IA (c)	Protection of Industrial IA (d)
1,2-Dichloroethane	1.95	9.74
1,4-Dichlorobenzene	2.23	11.16
Benzene	1.37	7.05
Ethylbenzene	3.01	15.21
Naphthalene	4	20.01
Trichloroethene	1.07	7.45
Vinyl chloride	0.14	2.46

figure 2

PHASE 1A AREAS - GROUNDWATER RESULTS vs VI SCREENING CRITERIA
SOUTH DAYTON DUMP AND LANDFILL SITE
Moraine, Ohio

SOURCES:
THE PAYNE FIRM, INC., PROJECT 0279.44.05, FIGURE 1, DATED 9/12/05;
TETRA TECH EM INC., PROJECT L0312006-SOUTH DAYTON DUMP, FIGURE 2, SITE LAYOUT, 05/25/2004;
CITY OF MORAINE.
ABRAMS AERIAL SURVEY INC. PROJECT 38443, AASI 29610, 04/02/2008

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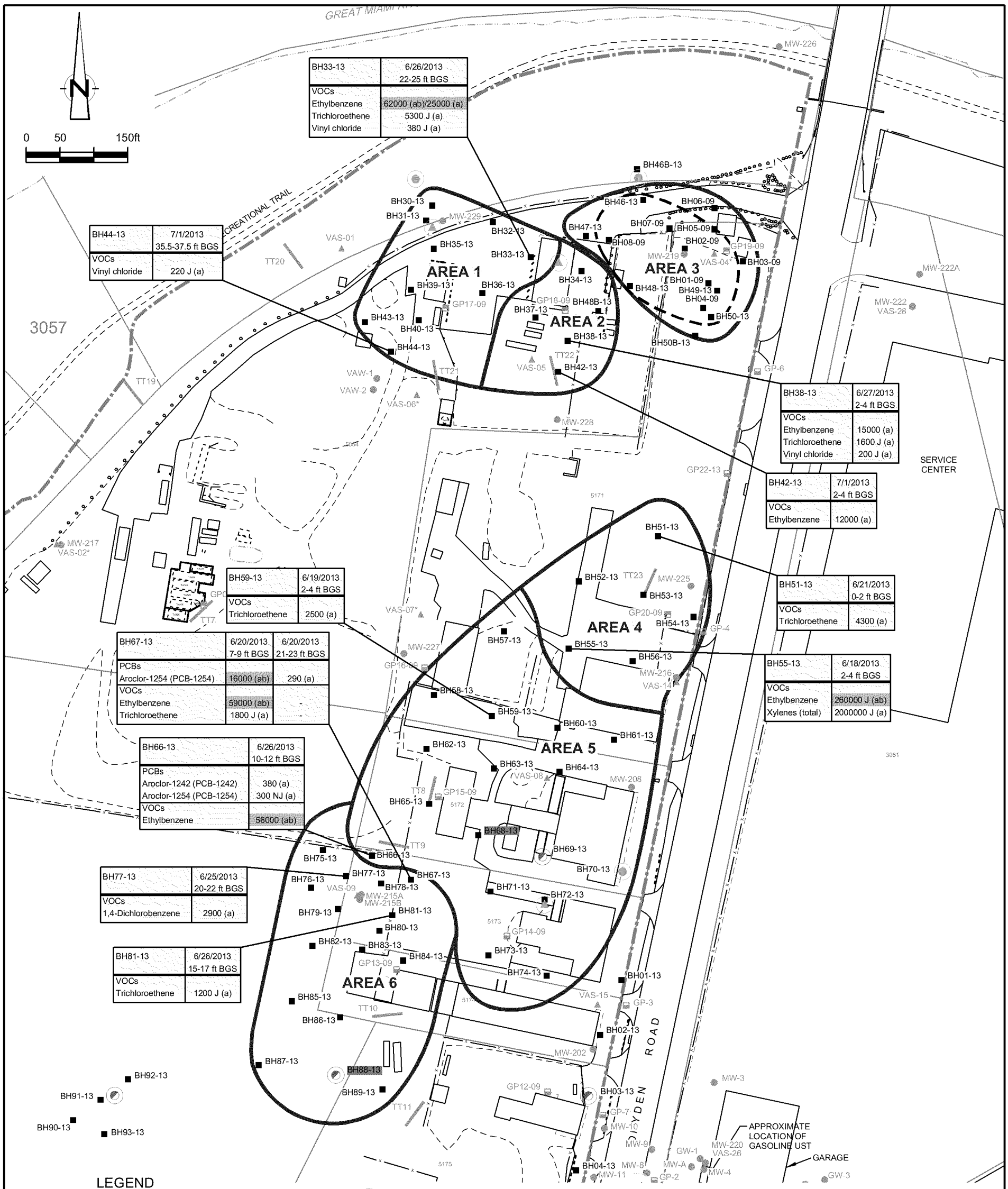

LEGEND

- APPROXIMATE SITE BOUNDARY
- EDGE OF WATER
- PARCEL BOUNDARY
- EXTENT OF NAPL PLUME
- MW-206 MONITORING WELL LOCATION
- TT1 TEST TRENCH LOCATION
- VAS01 VERTICAL AQUIFER SAMPLING LOCATION
- * VAS LOCATION COMPLETED TO 70 FEET BELOW GROUND SURFACE OR LESS
- GP01-09 SHALLOW LANDFILL GAS PROBE
- GP02-09 DEEP LANDFILL GAS PROBE
- BH01-13 BOREHOLE LOCATION
- GP-1 USEPA NESTED SOIL GAS PROBE LOCATION
- POSITIVE SUDAN IV DYE TEST
- PROPOSED MONITORING WELL LOCATION
- PROPOSED TEMPORARY MONITORING WELL LOCATION
- PROPOSED VERTICAL AQUIFER SAMPLING LOCATION

BH55-13	6/18/2013	SAMPLE IDENTIFICATION
	2-4 ft BGS	SAMPLE DATE / SAMPLE DEPTH
VOCs		
Ethylbenzene	260000 J (ab)	CRITERIA
Xylenes (total)	2000000 J (a)	

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PARAMETER

J ESTIMATED

N TENTATIVELY IDENTIFIED

EXCEEDS USEPA INDUSTRIAL SOIL RSL

USEPA REGIONAL SCREENING LEVELS

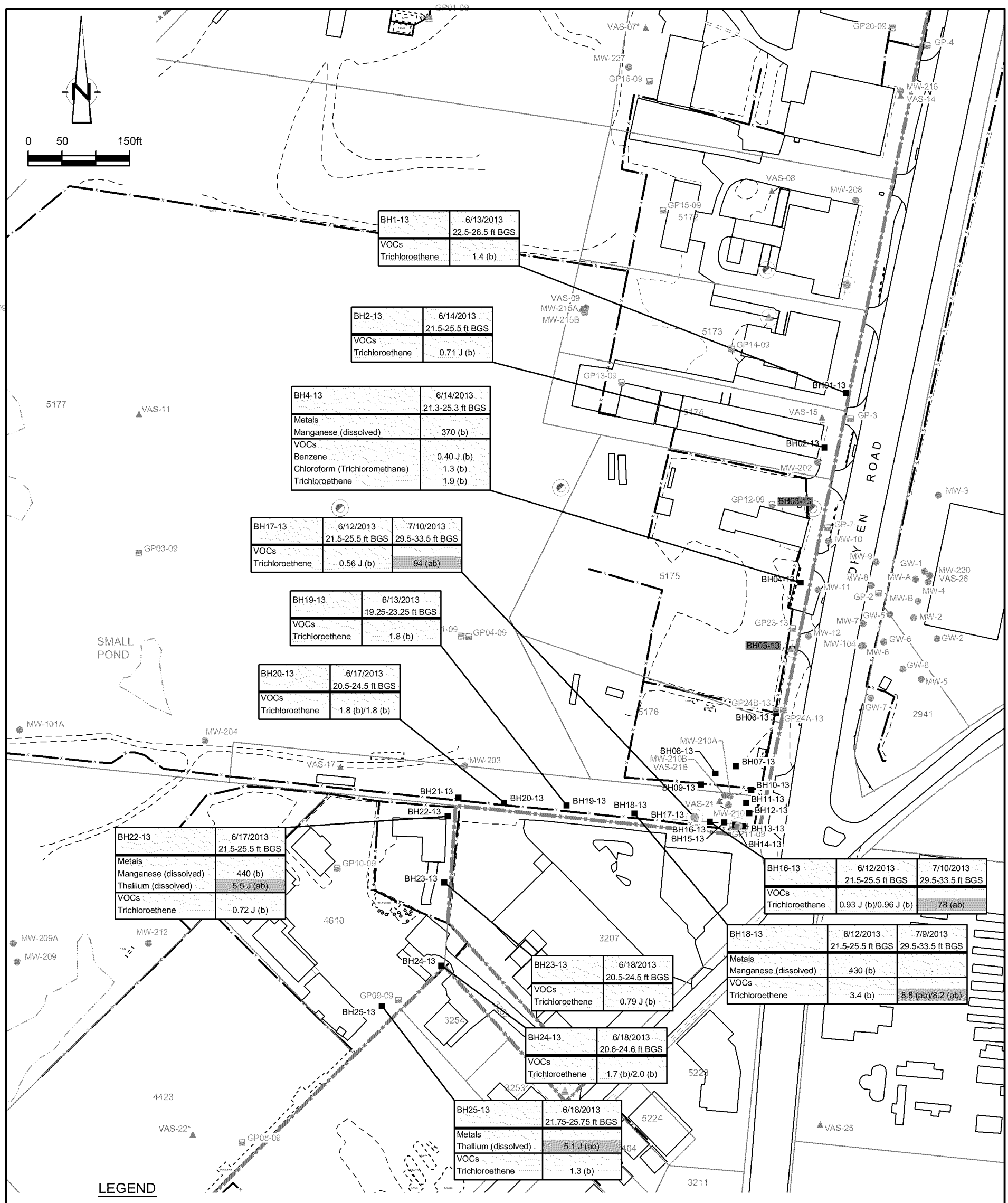
Chemical	Residential Soil (a)	Industrial Soil (b)
Aroclor-1242 (PCB-1242)	220	740
Aroclor-1254 (PCB-1254)	220	740
1,4-Dichlorobenzene	2400	12000
Ethylbenzene	5400	27000
Trichloroethene	910	6400
Vinyl chloride	60	1700
Xylenes (total)	630000	2700000

figure 3

OU1 PHASE 1A AREAS - SOIL RESULTS vs USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
Moraine, Ohio

SOURCES:
THE PAYNE FIRM, INC., PROJECT 0279.44.05, FIGURE 1, DATED 9/12/05;
TETRA TECH EM INC., PROJECT L0312006-SOUTH DAYTON DUMP, FIGURE 2, SITE LAYOUT, 05/25/2004;
CITY OF MORAINE.
ABRAMS AERIAL SURVEY INC. PROJECT 38443, AASI 29610, 04/02/2008

38443-74(PATT009)GN-WA005 SEP 19/2013



LEGEND

- APPROXIMATE SITE BOUNDARY
- EDGE OF WATER
- PARCEL BOUNDARY
- EXTENT OF NAPL PLUME
- MW-206 MONITORING WELL LOCATION
- TT1 TEST TRENCH LOCATION
- VAS01 VERTICAL AQUIFER SAMPLING LOCATION
- * VAS LOCATION COMPLETED TO 70 FEET BELOW GROUND SURFACE OR LESS
- GP01-09 SHALLOW LANDFILL GAS PROBE
- GP02-09 DEEP LANDFILL GAS PROBE
- BH01-13 BOREHOLE LOCATION
- GP-1 USEPA NESTED SOIL GAS PROBE LOCATION
- POSITIVE SUDAN IV DYE TEST
- PROPOSED MONITORING WELL LOCATION
- PROPOSED TEMPORARY MONITORING WELL LOCATION
- PROPOSED VERTICAL AQUIFER SAMPLING LOCATION

BH24-13	6/18/2013 20.6-24.6 ft BGS
VOCs Trichloroethene	1.7 (b)/2.0 (b)

- SAMPLE IDENTIFICATION
- SAMPLE DATE
- SAMPLE DEPTH
- CRITERIA
- &21&(175$7,21 ó J¦ /
- PARAMETER
- J ESTIMATED
- EXCEEDS USEPA MCL

USEPA REGIONAL SCREENING LEVELS

Chemical	Maximum Contaminant Levels (MCL) (a)	Tapwater Criteria (b)
Manganese (dissolved)	-	320
Thallium (dissolved)	2	0.16
Benzene	5	0.39
Chloroform (Trichloromethane)	80	0.19
Trichloroethene	5	0.44

figure 4

MW-210 AREA GROUNDWATER RESULTS vs USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
Moraine, Ohio

SOURCES:
THE PAYNE FIRM, INC., PROJECT 0279.44.05, FIGURE 1, DATED 9/12/05;
TETRA TECH EM INC., PROJECT L0312006-SOUTH DAYTON DUMP, FIGURE 2, SITE LAYOUT, 05/25/2004;
CITY OF MORAINE.
ABRAMS AERIAL SURVEY INC. PROJECT 38443, AASI 29610, 04/02/2008

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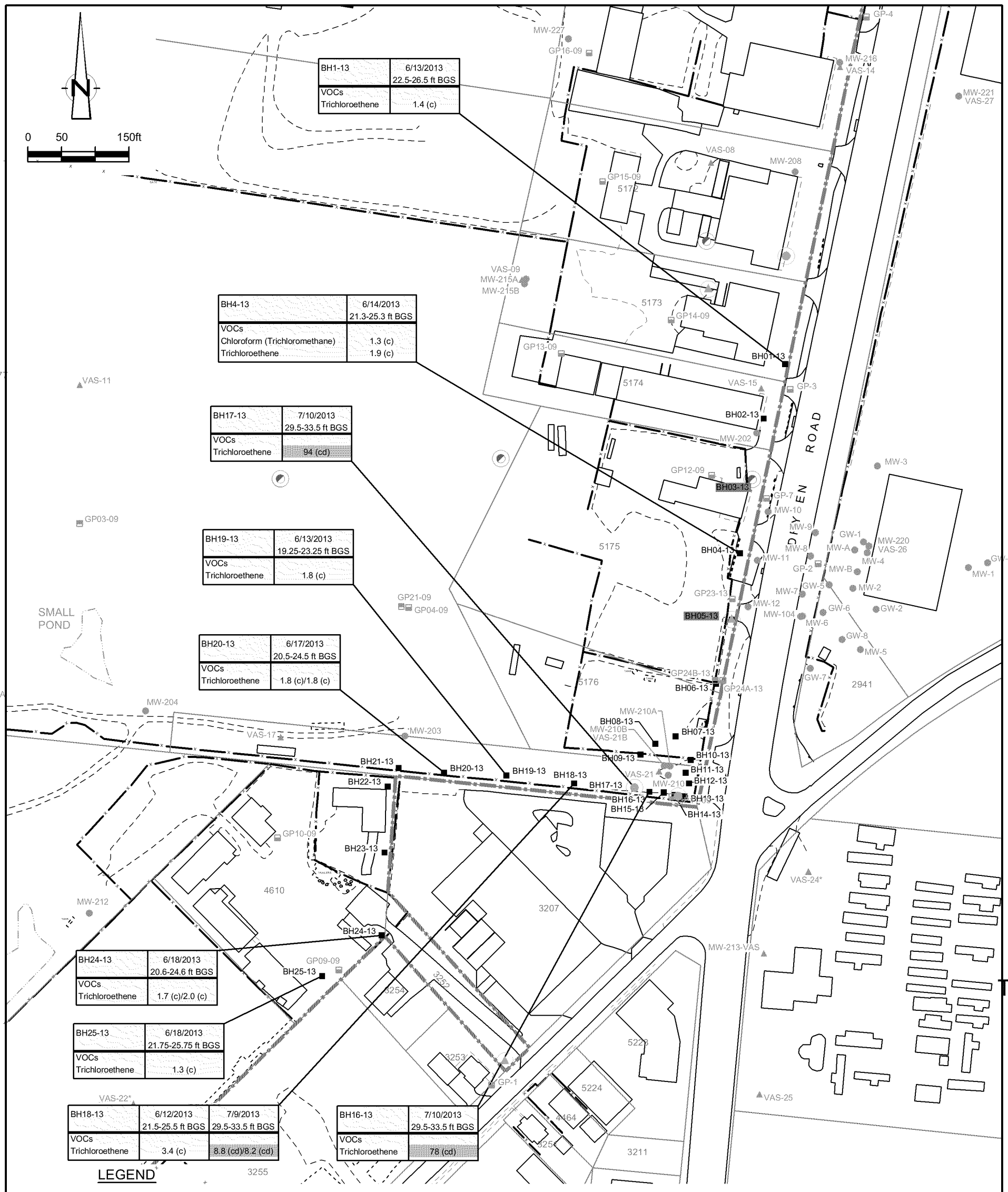

LEGEND

- APPROXIMATE SITE BOUNDARY
- EDGE OF WATER
- PARCEL BOUNDARY
- EXTENT OF NAPL PLUME
- MW-206 MONITORING WELL LOCATION
- TT1 TEST TRENCH LOCATION
- VAS01 VERTICAL AQUIFER SAMPLING LOCATION
- * VAS LOCATION COMPLETED TO 70 FEET BELOW GROUND SURFACE OR LESS
- GP01-09 SHALLOW LANDFILL GAS PROBE
- GP02-09 DEEP LANDFILL GAS PROBE
- BH01-13 BOREHOLE LOCATION
- GP-1 USEPA NESTED SOIL GAS PROBE LOCATION
- POSITIVE SUDAN IV DYE TEST
- PROPOSED MONITORING WELL LOCATION
- PROPOSED TEMPORARY MONITORING WELL LOCATION
- PROPOSED VERTICAL AQUIFER SAMPLING LOCATION

BH24-13	6/18/2013 20.6-24.6 ft BGS
VOCs Trichloroethene	1.7 (c)/2.0 (c)

SAMPLE IDENTIFICATION
SAMPLE DATE
SAMPLE DEPTH
&21&(175$7,21 ó J] /
PARAMETER

J ESTIMATED

EXCEEDS PROTECTION OF INDUSTRIAL IA (d)

USEPA REGIONAL SCREENING LEVELS

Chemical	Protection of Residential IA (c)	Protection of Industrial IA (d)
Chloroform (Trichloromethane)	0.73	3.53
Trichloroethene	1.07	7.45

figure 5

MW-210 AREA GROUNDWATER RESULTS vs VI SCREENING CRITERIA
SOUTH DAYTON DUMP AND LANDFILL SITE
Moraine, Ohio

SOURCES:
THE PAYNE FIRM, INC., PROJECT 0279.44.05, FIGURE 1, DATED 9/12/05;
TETRA TECH EM INC., PROJECT L0312006-SOUTH DAYTON DUMP, FIGURE 2, SITE LAYOUT, 05/25/2004;
CITY OF MORAINE.
ABRAMS AERIAL SURVEY INC. PROJECT 38443, AASI 29610, 04/02/2008

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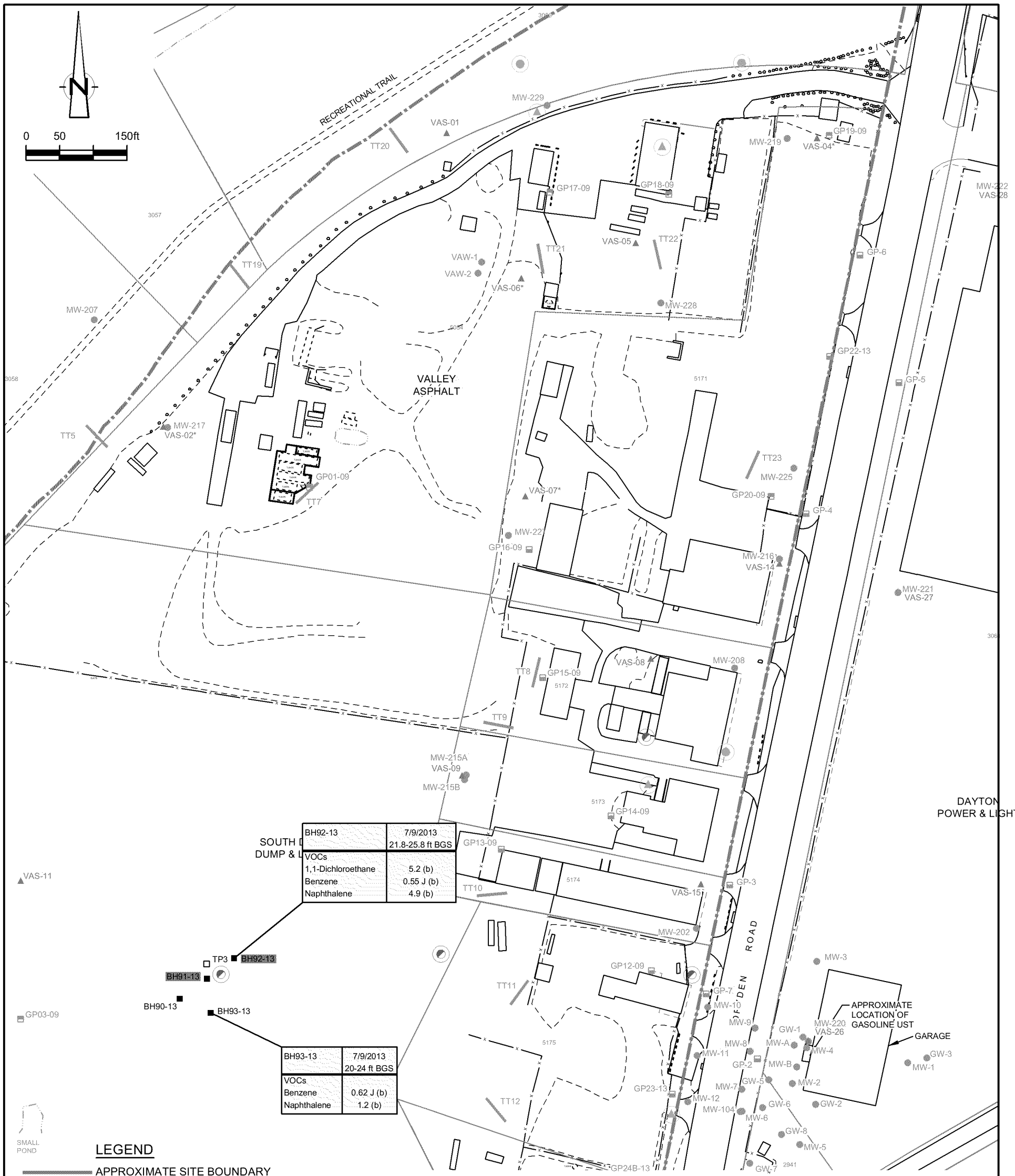

BH92-13	7/9/2013 21.8-25.8 ft BGS
VOCs	
1,1-Dichloroethane	5.2 (b)
Benzene	0.55 J (b)
Naphthalene	4.9 (b)

BH93-13	7/9/2013 20-24 ft BGS
VOCs	
Benzene	0.62 J (b)
Naphthalene	1.2 (b)

LEGEND

- APPROXIMATE SITE BOUNDARY
- EDGE OF WATER
- PARCEL BOUNDARY
- EXTENT OF NAPL PLUME
- MW-206 — MONITORING WELL LOCATION
- TT1 — TEST TRENCH LOCATION
- VAS01 — VERTICAL AQUIFER SAMPLING LOCATION
- * — VAS LOCATION COMPLETED TO 70 FEET BELOW GROUND SURFACE OR LESS
- TP3 — TEST PIT LOCATION
- GP01-09 — SHALLOW LANDFILL GAS PROBE
- GP02-09 — DEEP LANDFILL GAS PROBE
- BH01-13 — BOREHOLE LOCATION
- GP-1 — USEPA NESTED SOIL GAS PROBE LOCATION
- POSITIVE SUDAN IV DYE TEST
- PROPOSED MONITORING WELL LOCATION
- PROPOSED TEMPORARY MONITORING WELL LOCATION
- PROPOSED VERTICAL AQUIFER SAMPLING LOCATION

BH93-13	7/9/2013 20-24 ft BGS
VOCs	
Benzene	0.62 J (b)
Naphthalene	1.2 (b)

- SAMPLE IDENTIFICATION
- SAMPLE DATE
- SAMPLE DEPTH
- CRITERIA
- &21&(175$7,21 ó J
- PARAMETER
- J — ESTIMATED
- EXCEEDS USEPA MCL

USEPA REGIONAL SCREENING LEVELS

Chemical	Maximum Contaminant Levels (MCL) (a)	Tapwater Criteria (b)
1,1-Dichloroethane	-	2.4
Benzene	5	0.39
Naphthalene	-	0.14

figure 6

TP-3 AREA GROUNDWATER RESULTS vs USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
Moraine, Ohio

SOURCES:
THE PAYNE FIRM, INC., PROJECT 0279.44.05, FIGURE 1, DATED 9/12/05;
TETRA TECH EM INC., PROJECT L0312006-SOUTH DAYTON DUMP, FIGURE 2, SITE LAYOUT, 05/25/2004;
CITY OF MORAINE.
ABRAMS AERIAL SURVEY INC. PROJECT 38443, AASI 29610, 04/02/2008

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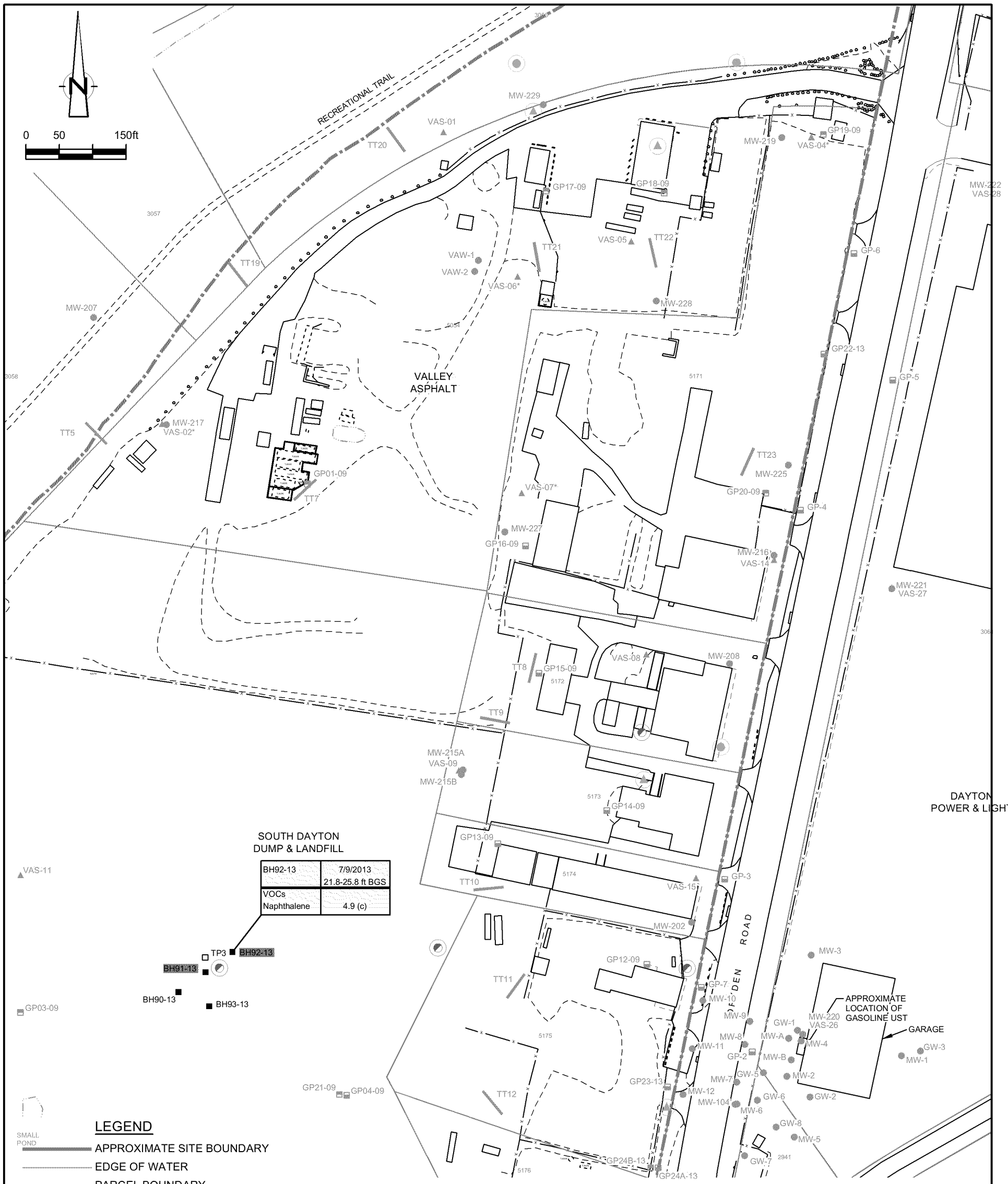


USEPA REGIONAL SCREENING LEVELS

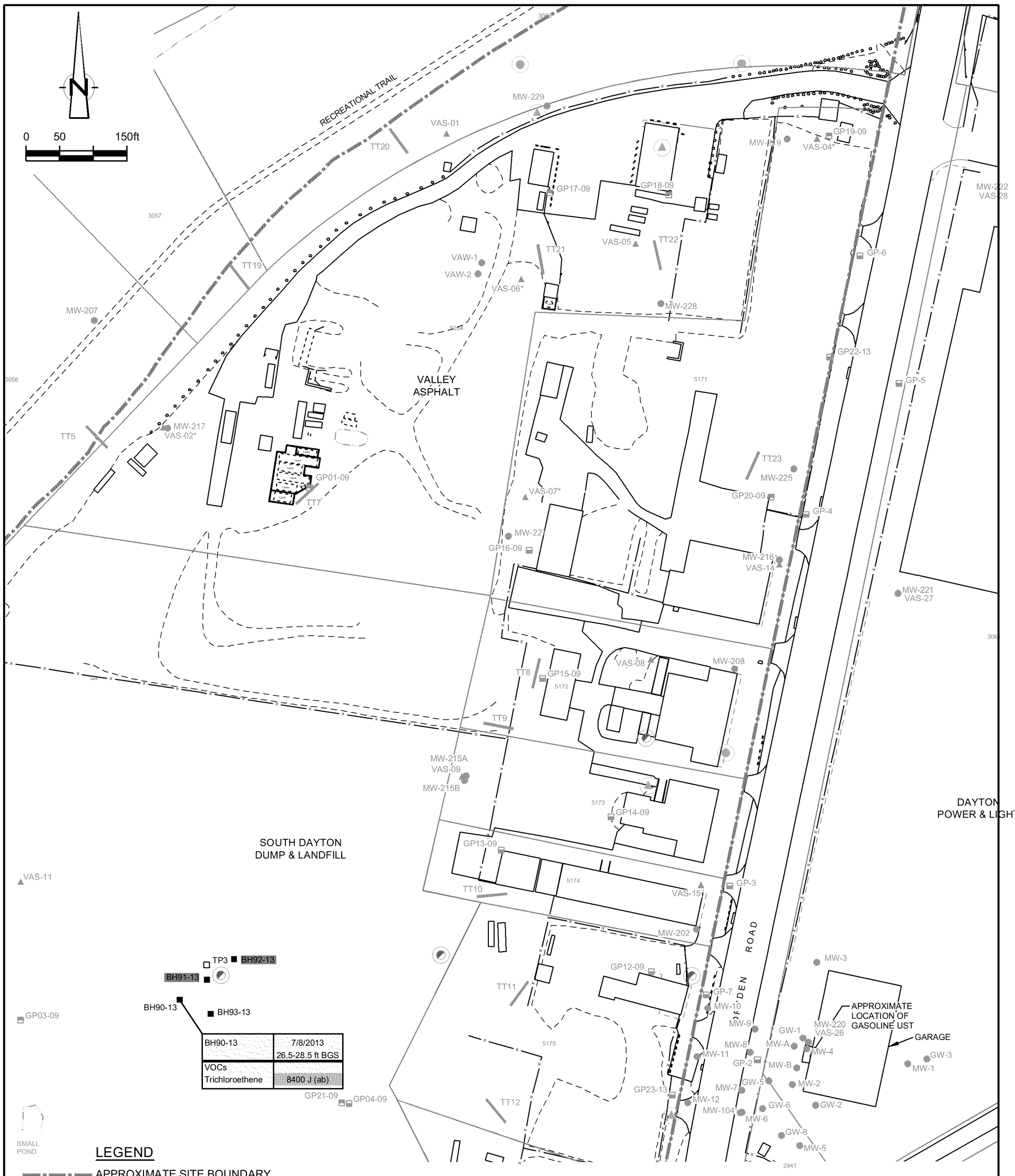
Chemical	Protection of Residential IA (c)	Protection of Industrial IA (d)
Naphthalene	4	20.01

figure 7

TP-3 AREA GROUNDWATER RESULTS vs VI SCREENING CRITERIA
SOUTH DAYTON DUMP AND LANDFILL SITE
Moraine, Ohio

SOURCES:
THE PAYNE FIRM, INC., PROJECT 0279.44.05, FIGURE 1, DATED 9/12/05;
TETRA TECH EM INC., PROJECT L0312006-SOUTH DAYTON DUMP, FIGURE 2, SITE LAYOUT, 05/25/2004;
CITY OF MORAINE.
ABRAMS AERIAL SURVEY INC. PROJECT 38443, AASI 29610, 04/02/2008

38443-74(PATT009)GN-WA013 SEP 20/2013



BH90-13	7/8/2013 26.5-28.5 ft BGS
VOCs Trichloroethene	8400 J (ab)

LEGEND

- APPROXIMATE SITE BOUNDARY
- EDGE OF WATER
- PARCEL BOUNDARY
- EXTENT OF NAPL PLUME
- MW-206 MONITORING WELL LOCATION
- TT1 TEST TRENCH LOCATION
- VAS01 VERTICAL AQUIFER SAMPLING LOCATION
- * VAS LOCATION COMPLETED TO 70 FEET BELOW GROUND SURFACE OR LESS
- TP3 TEST PIT LOCATION
- GP01-09 SHALLOW LANDFILL GAS PROBE
- GP02-09 DEEP LANDFILL GAS PROBE
- BH01-13 BOREHOLE LOCATION
- GP-1 USEPA NESTED SOIL GAS PROBE LOCATION
- POSITIVE SUDAN IV DYE TEST
- PROPOSED MONITORING WELL LOCATION
- PROPOSED TEMPORARY MONITORING WELL LOCATION
- PROPOSED VERTICAL AQUIFER SAMPLING LOCATION

BH90-13	7/8/2013 26.5-28.5 ft BGS
VOCs Trichloroethene	8400 J (ab)

SAMPLE IDENTIFICATION
SAMPLE DATE
SAMPLE DEPTH
CRITERIA
&21&(175$7,21 ó J1 NJ
PARAMETER
J ESTIMATED
EXCEEDS USEPA INDUSTRIAL SOIL RSL

USEPA REGIONAL SCREENING LEVELS

Chemical	Residential Soil (a)	Industrial Soil (b)
Trichloroethene	910	6400

figure 8

TP-3 AREA SOIL RESULTS vs USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
Moraine, Ohio

SOURCES:
THE PAYNE FIRM, INC., PROJECT 0279.44.05, FIGURE 1, DATED 9/12/05;
TETRA TECH EM INC., PROJECT L0312006-SOUTH DAYTON DUMP, FIGURE 2, SITE LAYOUT, 05/25/2004;
CITY OF MORAINE.
ABRAMS AERIAL SURVEY INC. PROJECT 38443, AASI 29610, 04/02/2008

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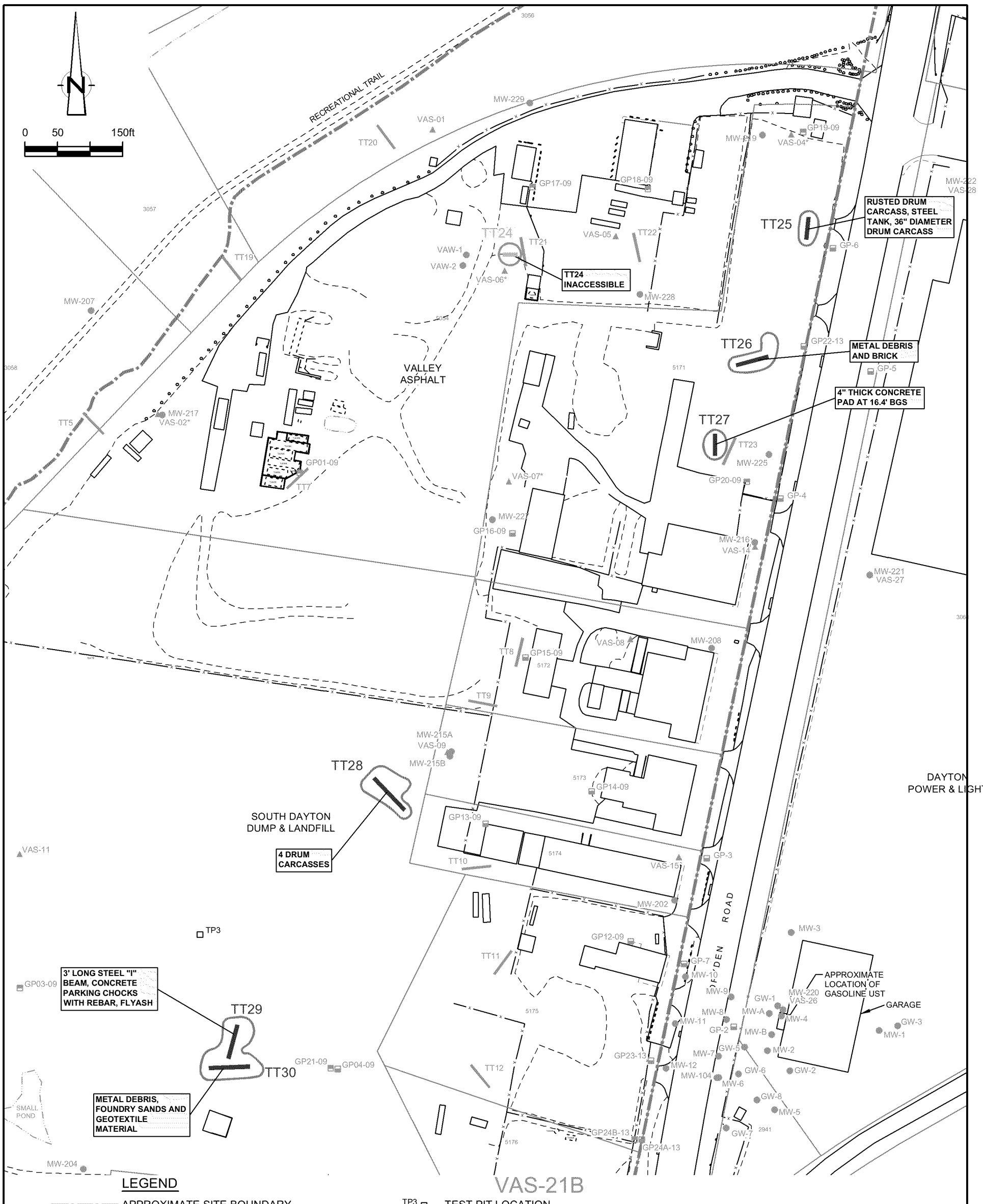

SOURCES:
THE PAYNE FIRM, INC., PROJECT 0279.44.05, FIGURE 1, DATED 9/12/05;
TETRA TECH EM INC., PROJECT L0312006-SOUTH DAYTON DUMP, FIGURE 2, SITE LAYOUT, 05/25/2004;
CITY OF MORAINE.
ABRAMS AERIAL SURVEY INC. PROJECT 38443, AASI 29610, 04/02/2008

figure 9

PHASE 1A TEST TRENCH INVESTIGATION FINDINGS
SOUTH DAYTON DUMP AND LANDFILL SITE
Moraine, Ohio

38443-74(PATT009)GN-WA004 SEP 19/2013

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*
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*
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*
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*
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
1,1,2,2-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
1,1,2-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
1,1-Dichloroethane	-	2.4	1.0 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	7	260	1.0 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	70	0.99	1.0 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)	0.2	0.00032	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)	0.05	0.0065	1.0 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	600	280	1.0 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	5	0.15	1.0 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	5	0.38	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-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
1,4-Dichlorobenzene	75	0.42	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)	-	4900	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	-	34	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone(Methyl isobutyl ketone) (MIBK)	-	1000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	-	12000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	5	0.39	1.0 U	1.0 U	1.0 U	0.40 J[b]	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	80	0.12	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	80	7.9	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ
Bromomethane (Methyl bromide)	-	7	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ
Carbon disulfide	-	720	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	5	0.39	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	100	72	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	-	21000	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ
Chloroform (Trichloromethane)	80	0.19	1.0 U	1.0 U	1.0 U	1.3[b]	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane (Methyl chloride)	-	190	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	70	28	0.45 J	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
Cyclohexane	-	13000	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	80	0.15	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)	-	190	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	700	1.3	1.0 U	1.0 U	1.0 U	1.2	1.0 U	1.0 U	1.0 U	1.0 U
Isopropyl benzene	-	390	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	-	16000	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
Methyl tert butyl ether (MTBE)	-	12	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	5	9.9	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	-	0.14	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	100	1100	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	5	9.7	1.0 U	1.0 U	1.0 U	2.2	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1000	860	1.0 U	1.0 U	0.21 J	3.0	1.0 U	1.0 U	0.18 J	1.0 U
trans-1,2-Dichloroethene	100	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
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
Trichloroethene	5	0.44	1.4[b]	0.71 J[b]	0.43 J	1.9[b]	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane(CFC-11)	-	1100	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U
Trifluorotrichloroethane(Freon 113)	-	53000	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	2	0.015	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)	10000	190	2.0 U	2.0 U	2.0 U	4.4	2.0 U	2.0 U	2.0 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:			*BH1-13*	*BH2-13*	*BH3-13*	*BH4-13*	*BH5-13*	*BH6-13*	*BH7-13*	*BH8-13*
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*
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*
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*
Parameter	*MCL*	*Tap Water*								
	a	*b*								
Metals										
Aluminum (dissolved)	-	16000	200 U	200 U	-	200 U	-	-	-	-
Antimony (dissolved)	6	6	10 U	10 U	-	10 U	-	-	-	-
Arsenic (dissolved)	10	0.045	10 U	10 U	-	10 U	-	-	-	-
Barium (dissolved)	2000	2900	120 J	130 J	-	430	-	-	-	-
Beryllium (dissolved)	4	16	5.0 U	5.0 U	-	5.0 U	-	-	-	-
Cadmium (dissolved)	5	6.9	2.0 U	2.0 U	-	2.0 U	-	-	-	-
Calcium (dissolved)	-	-	140000	140000	-	160000	-	-	-	-
Chromium (dissolved)	100	-	5.0 U	5.0 U	-	5.0 U	-	-	-	-
Cobalt (dissolved)	-	4.7	7.0 U	2.7 J	-	7.0 U	-	-	-	-
Copper (dissolved)	1300	620	25 U	25 U	-	25 U	-	-	-	-
Iron (dissolved)	-	11000	700	540	-	110	-	-	-	-
Lead (dissolved)	15	-	3.0 U	3.0 U	-	3.0 U	-	-	-	-
Magnesium (dissolved)	-	-	48000	44000	-	52000	-	-	-	-
Manganese (dissolved)	-	320	120	310	-	370[b]	-	-	-	-
Mercury (dissolved)	2	0.63	0.20 U	0.20 U	-	0.20 U	-	-	-	-
Nickel (dissolved)	-	300	6.5 J	8.6 J	-	15 J	-	-	-	-
Potassium (dissolved)	-	-	9400	9000	-	10000	-	-	-	-
Selenium (dissolved)	50	78	26	24	-	6.6	-	-	-	-
Silver (dissolved)	-	71	5.0 U	5.0 U	-	5.0 U	-	-	-	-
Sodium (dissolved)	-	-	130000	130000	-	120000	-	-	-	-
Thallium (dissolved)	2	0.16	10 U	10 U	-	10 U	-	-	-	-
Vanadium (dissolved)	-	78	7.0 U	7.0 U	-	7.0 U	-	-	-	-
Zinc (dissolved)	-	4700	50 U	50 U	-	50 U	-	-	-	-
PCBs										
Aroclor-1016 (PCB-1016)	-	0.96	-	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	-	0.004	-	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	-	0.004	-	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	-	0.034	-	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	-	0.034	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	0.034	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	0.034	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons										
Total Petroleum Hydrocarbons (C10-C20)	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C20-C34)	-	-	-	-	-	-	-	-	-	-

TABLE 1

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

Sample Location:			*BH9-13*	*BH10-13*	*BH11-13*	*BH12-13*	*BH13-13*	*BH14-13*	*BH15-13*	*BH16-13*
Sample ID:			*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*
Sample Date:			*6/11/2013*	*6/11/2013*	*6/11/2013*	*6/11/2013*	*6/12/2013*	*6/11/2013*	*6/12/2013*	*6/12/2013*
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*
Parameter	*MCL*	*Tap Water*								
	a	*b*								
Volatile Organic Compounds										
1,1,1-Trichloroethane	200	7500	1.0 U	1.0 U	1.0 U	0.26 J	0.53 J	0.32 J	1.0 U	1.0 U
1,1,2,2-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
1,1,2-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
1,1-Dichloroethane	-	2.4	0.27 J	1.0 U	0.31 J	1.0 U	1.0 U	1.0 U	0.20 J	1.0 U
1,1-Dichloroethene	7	260	1.0 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	70	0.99	1.0 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)	0.2	0.00032	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)	0.05	0.0065	1.0 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	600	280	1.0 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	5	0.15	1.0 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	5	0.38	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-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
1,4-Dichlorobenzene	75	0.42	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(Methylethyl ketone) (MEK)	-	4900	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	-	34	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone(Methyl isobutyl ketone) (MIBK)	-	1000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	-	12000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	5	0.39	0.17 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	80	0.12	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	80	7.9	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)	-	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
Carbon disulfide	-	720	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	5	0.39	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	100	72	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	-	21000	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)	80	0.19	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)	-	190	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	70	28	0.37 J	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
Cyclohexane	-	13000	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	80	0.15	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)	-	190	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	700	1.3	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	-	390	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	-	16000	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
Methyl tert butyl ether (MTBE)	-	12	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	5	9.9	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	-	0.14	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	100	1100	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	5	9.7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1000	860	0.27 J	0.18 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	100	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
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
Trichloroethene	5	0.44	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.27 J	1.0 U	0.93 J[b]
Trichlorofluoromethane(CFC-11)	-	1100	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)	-	53000	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	2	0.015	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)	10000	190	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 1

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

Sample Location:			*BH9-13*	*BH10-13*	*BH11-13*	*BH12-13*	*BH13-13*	*BH14-13*	*BH15-13*	*BH16-13*
Sample ID:			*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*
Sample Date:			*6/11/2013*	*6/11/2013*	*6/11/2013*	*6/11/2013*	*6/12/2013*	*6/11/2013*	*6/12/2013*	*6/12/2013*
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*
Parameter	*MCL*	*Tap Water*								
	a	*b*								
Metals										
Aluminum (dissolved)	-	16000	-	-	200 U	-	-	-	-	-
Antimony (dissolved)	6	6	-	-	10 U	-	-	-	-	-
Arsenic (dissolved)	10	0.045	-	-	10 U	-	-	-	-	-
Barium (dissolved)	2000	2900	-	-	270	-	-	-	-	-
Beryllium (dissolved)	4	16	-	-	5.0 U	-	-	-	-	-
Cadmium (dissolved)	5	6.9	-	-	2.0 U	-	-	-	-	-
Calcium (dissolved)	-	-	-	-	160000	-	-	-	-	-
Chromium (dissolved)	100	-	-	-	5.0 U	-	-	-	-	-
Cobalt (dissolved)	-	4.7	-	-	7.0 U	-	-	-	-	-
Copper (dissolved)	1300	620	-	-	25 U	-	-	-	-	-
Iron (dissolved)	-	11000	-	-	510	-	-	-	-	-
Lead (dissolved)	15	-	-	-	3.0 U	-	-	-	-	-
Magnesium (dissolved)	-	-	-	-	51000	-	-	-	-	-
Manganese (dissolved)	-	320	-	-	140	-	-	-	-	-
Mercury (dissolved)	2	0.63	-	-	0.20 U	-	-	-	-	-
Nickel (dissolved)	-	300	-	-	13 J	-	-	-	-	-
Potassium (dissolved)	-	-	-	-	11000 J	-	-	-	-	-
Selenium (dissolved)	50	78	-	-	5.1	-	-	-	-	-
Silver (dissolved)	-	71	-	-	5.0 U	-	-	-	-	-
Sodium (dissolved)	-	-	-	-	220000	-	-	-	-	-
Thallium (dissolved)	2	0.16	-	-	10 U	-	-	-	-	-
Vanadium (dissolved)	-	78	-	-	7.0 U	-	-	-	-	-
Zinc (dissolved)	-	4700	-	-	50 U	-	-	-	-	-
PCBs										
Aroclor-1016(PCB-1016)	-	0.96	-	-	-	-	-	-	-	-
Aroclor-1221(PCB-1221)	-	0.004	-	-	-	-	-	-	-	-
Aroclor-1232(PCB-1232)	-	0.004	-	-	-	-	-	-	-	-
Aroclor-1242(PCB-1242)	-	0.034	-	-	-	-	-	-	-	-
Aroclor-1248(PCB-1248)	-	0.034	-	-	-	-	-	-	-	-
Aroclor-1254(PCB-1254)	-	0.034	-	-	-	-	-	-	-	-
Aroclor-1260(PCB-1260)	-	0.034	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons										
Total Petroleum Hydrocarbons (C10-C20)	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C20-C34)	-	-	-	-	-	-	-	-	-	-

TABLE 1

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

Sample Location:			*BH16-13*	*BH16-13*	*BH17-13*	*BH17-13*	*BH18-13*	*BH18-13*	*BH18-13*	*BH19-13*
Sample ID:			*GW-38443-061213-GL-009*	*GW-38443-071013-JT-108*	*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*
Sample Date:			*6/12/2013*	*7/10/2013*	*6/12/2013*	*7/10/2013*	*6/12/2013*	*7/9/2013*	*7/9/2013*	*6/13/2013*
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*	*21.5-25.5 ft BGS*	*29.5-33.5 ft BGS*	*29.5-33.5 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	2.0 U	1.0 U	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	-	0.066	1.0 U	2.0 UJ	1.0 U	2.9 UJ	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	5	0.24	1.0 U	2.0 U	1.0 U	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	-	2.4	1.0 U	2.0 U	1.0 U	2.9 U	0.22 J	0.25 J	1.0 U	0.23 J
1,1-Dichloroethene	7	260	1.0 U	0.47 J	1.0 U	1.1 J	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	70	0.99	1.0 U	2.0 U	1.0 U	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromo-3-chloropropane(DBCP)	0.2	0.00032	2.0 U	4.0 U	2.0 U	5.7 U	2.0 U	2.0 U	2.0 U	2.0 U
1,2-Dibromoethane(Ethylene dibromide)	0.05	0.0065	1.0 U	2.0 U	1.0 U	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	600	280	1.0 U	2.0 U	1.0 U	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	5	0.15	1.0 U	2.0 U	1.0 U	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	5	0.38	1.0 U	2.0 U	1.0 U	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	-	-	1.0 U	2.0 U	1.0 U	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	75	0.42	1.0 U	2.0 U	1.0 U	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	-	4900	10 U	4.7 J	10 U	29 U	10 U	10 U	2.7 J	10 U
2-Hexanone	-	34	10 U	20 UJ	10 U	29 UJ	10 U	10 UJ	10 UJ	10 U
4-Methyl-2-pentanone(Methyl isobutyl ketone) (MIBK)	-	1000	10 U	20 UJ	10 U	29 UJ	10 U	10 UJ	10 UJ	10 U
Acetone	-	12000	10 U	20 U	10 U	29 U	10 U	10 U	10 U	10 U
Benzene	5	0.39	1.0 U	2.0 U	1.0 U	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	80	0.12	1.0 U	2.0 U	1.0 U	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	80	7.9	1.0 U	2.0 U	1.0 U	2.9 U	1.0 U	1.0 U	1.0 U	1.0 UJ
Bromomethane (Methyl bromide)	-	7	1.0 U	2.0 UJ	1.0 U	2.9 UJ	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ
Carbon disulfide	-	720	1.0 U	2.0 U	1.0 U	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	5	0.39	1.0 U	2.0 UJ	1.0 U	2.9 UJ	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	100	72	1.0 U	2.0 U	1.0 U	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	-	21000	1.0 U	2.0 U	1.0 U	2.9 U	1.0 U	1.0 U	1.0 U	1.0 UJ
Chloroform (Trichloromethane)	80	0.19	1.0 U	2.0 U	1.0 U	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane (Methyl chloride)	-	190	1.0 U	2.0 U	1.0 U	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	70	28	1.0 U	15	1.0 U	27	3.1	4.4	4.3	3.5
cis-1,3-Dichloropropene	-	-	1.0 U	2.0 U	1.0 U	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	-	13000	1.0 U	2.0 U	1.0 U	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	80	0.15	1.0 U	2.0 U	1.0 U	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	-	190	1.0 U	2.0 U	1.0 U	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	700	1.3	1.0 U	2.0 U	1.0 U	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropylbenzene	-	390	1.0 U	2.0 U	1.0 U	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl acetate	-	16000	10 U	20 UJ	10 U	29 UJ	10 U	10 U	10 U	0.38 J
Methyl cyclohexane	-	-	1.0 U	2.0 U	1.0 U	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl tert butyl ether (MTBE)	-	12	1.0 U	2.0 U	1.0 U	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene chloride	5	9.9	1.0 U	2.0 U	1.0 U	2.9 U	1.0 U	1.0 UJ	1.0 UJ	1.0 U
Naphthalene	-	0.14	1.0 U	2.0 U	1.0 U	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	100	1100	1.0 U	2.0 U	1.0 U	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5	9.7	1.0 U	2.0 U	1.0 U	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1000	860	1.0 U	2.0 U	1.0 U	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	100	86	1.0 U	0.72 J	1.0 U	1.9 J	1.0 U	0.26 J	0.20 J	1.0 U
trans-1,3-Dichloropropene	-	-	1.0 U	2.0 U	1.0 U	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5	0.44	0.96 J[b]	78[ab]	0.56 J[b]	94[ab]	3.4[b]	8.8[ab]	8.2[ab]	1.8[b]
Trichlorofluoromethane(CFC-11)	-	1100	1.0 U	2.0 UJ	1.0 U	2.9 UJ	1.0 U	1.0 UJ	1.0 UJ	1.0 U
Trifluorotrichloroethane(Freon 113)	-	53000	1.0 U	2.0 UJ	1.0 U	2.9 UJ	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	2	0.015	1.0 U	2.0 U	1.0 U	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes (total)	10000	190	2.0 U	4.0 U	2.0 U	5.7 U	2.0 U	2.0 U	2.0 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:			*BH16-13*	*BH16-13*	*BH17-13*	*BH17-13*	*BH18-13*	*BH18-13*	*BH18-13*	*BH19-13*
Sample ID:			*GW-38443-061213-GL-009*	*GW-38443-071013-JT-108*	*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*
Sample Date:			*6/12/2013*	*7/10/2013*	*6/12/2013*	*7/10/2013*	*6/12/2013*	*7/9/2013*	*7/9/2013*	*6/13/2013*
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*	*21.5-25.5 ft BGS*	*29.5-33.5 ft BGS*	*29.5-33.5 ft BGS*	*19.25-23.25 ft BGS*
			Duplicate						*Duplicate*	
Parameter	*MCL*	*Tap Water*								
	a	*b*								
Metals										
Aluminum (dissolved)	-	16000	-	-	-	-	200 U	200 U	200 U	-
Antimony (dissolved)	6	6	-	-	-	-	10 U	10 U	10 U	-
Arsenic (dissolved)	10	0.045	-	-	-	-	10 U	10 U	10 U	-
Barium (dissolved)	2000	2900	-	-	-	-	140 J	160 J	150 J	-
Beryllium (dissolved)	4	16	-	-	-	-	5.0 U	5.0 U	5.0 U	-
Cadmium (dissolved)	5	6.9	-	-	-	-	2.0 U	2.0 U	2.0 U	-
Calcium (dissolved)	-	-	-	-	-	-	150000	150000	130000	-
Chromium (dissolved)	100	-	-	-	-	-	5.0 U	5.0 U	5.0 U	-
Cobalt (dissolved)	-	4.7	-	-	-	-	3.2 J	1.8 J	2.0 J	-
Copper (dissolved)	1300	620	-	-	-	-	25 U	25 U	25 U	-
Iron (dissolved)	-	11000	-	-	-	-	2500	740	760	-
Lead (dissolved)	15	-	-	-	-	-	3.0 U	1.9 J	3.0 U	-
Magnesium (dissolved)	-	-	-	-	-	-	58000	58000	53000	-
Manganese (dissolved)	-	320	-	-	-	-	430[b]	260	250	-
Mercury (dissolved)	2	0.63	-	-	-	-	0.20 U	0.20 U	0.20 U	-
Nickel (dissolved)	-	300	-	-	-	-	11 J	7.0 J	7.9 J	-
Potassium (dissolved)	-	-	-	-	-	-	11000	10000	9400	-
Selenium (dissolved)	50	78	-	-	-	-	5.0 U	5.0 U	5.0 U	-
Silver (dissolved)	-	71	-	-	-	-	5.0 U	5.0 U	5.0 U	-
Sodium (dissolved)	-	-	-	-	-	-	86000	100000	93000	-
Thallium (dissolved)	2	0.16	-	-	-	-	10 U	10 U	10 U	-
Vanadium (dissolved)	-	78	-	-	-	-	7.0 U	7.0 U	7.0 U	-
Zinc (dissolved)	-	4700	-	-	-	-	50 U	50 U	50 U	-
PCBs										
Aroclor-1016 (PCB-1016)	-	0.96	-	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	-	0.004	-	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	-	0.004	-	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	-	0.034	-	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	-	0.034	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	0.034	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	0.034	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons										
Total Petroleum Hydrocarbons (C10-C20)	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C20-C34)	-	-	-	-	-	-	-	-	-	-

TABLE 1

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

Sample Location:			*BH20-13*	*BH20-13*	*BH21-13*	*BH22-13*	*BH23-13*	*BH24-13*	*BH24-13*	*BH25-13*
Sample ID:			*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*	*WG-38443-061813-SM-027*	*WG-38443-061813-SM-028*	*WG-38443-061813-SM-029*
Sample Date:			*6/17/2013*	*6/17/2013*	*6/17/2013*	*6/17/2013*	*6/18/2013*	*6/18/2013*	*6/18/2013*	*6/18/2013*
Sample Depth:	*USEPA Regional Screening Levels* [1]		*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*	*20.6-24.6 ft BGS*	*20.6-24.6 ft BGS*	*21.75-25.75 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	0.67 J
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
1,1,2-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
1,1-Dichloroethane	-	2.4	1.0 U	1.0 U	0.45 J	0.24 J	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	7	260	1.0 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	70	0.99	1.0 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)	0.2	0.00032	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)	0.05	0.0065	1.0 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	600	280	1.0 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	5	0.15	1.0 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	5	0.38	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-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
1,4-Dichlorobenzene	75	0.42	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(Methylethyl ketone) (MEK)	-	4900	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	-	34	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 UJ	10 UJ
4-Methyl-2-pentanone(Methyl isobutyl ketone) (MIBK)	-	1000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	-	12000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	5	0.39	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	80	0.12	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	80	7.9	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)	-	7	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	-	720	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	5	0.39	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	100	72	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	-	21000	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)	80	0.19	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)	-	190	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	70	28	1.0	1.0	0.52 J	1.1	0.37 J	0.33 J	0.46 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
Cyclohexane	-	13000	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	80	0.15	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)	-	190	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	700	1.3	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	-	390	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	-	16000	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
Methyl tert butyl ether (MTBE)	-	12	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	5	9.9	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	-	0.14	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ
Styrene	100	1100	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	5	9.7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1000	860	1.0 U	0.13 J	0.19 J	1.0 U	1.0 U	1.0 U	1.0 U	0.15 J
trans-1,2-Dichloroethene	100	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
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
Trichloroethene	5	0.44	1.8[b]	1.8[b]	1.0 U	0.72 J[b]	0.79 J[b]	1.7[b]	2.0[b]	1.3[b]
Trichlorofluoromethane(CFC-11)	-	1100	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)	-	53000	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	2	0.015	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)	10000	190	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 1

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

Sample Location:			*BH20-13*	*BH20-13*	*BH21-13*	*BH22-13*	*BH23-13*	*BH24-13*	*BH24-13*	*BH25-13*
Sample ID:			*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*	*WG-38443-061813-SM-027*	*WG-38443-061813-SM-028*	*WG-38443-061813-SM-029*
Sample Date:			*6/17/2013*	*6/17/2013*	*6/17/2013*	*6/17/2013*	*6/18/2013*	*6/18/2013*	*6/18/2013*	*6/18/2013*
Sample Depth:	*USEPA Regional Screening Levels* [1]		*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*	*20.6-24.6 ft BGS*	*20.6-24.6 ft BGS*	*21.75-25.75 ft BGS*
				Duplicate					*Duplicate*	
Parameter	*MCL*	*Tap Water*								
	a	*b*								
Metals										
Aluminum (dissolved)	-	16000	-	-	-	200 U	-	-	-	200 U
Antimony (dissolved)	6	6	-	-	-	10 U	-	-	-	10 U
Arsenic (dissolved)	10	0.045	-	-	-	10 U	-	-	-	10 U
Barium (dissolved)	2000	2900	-	-	-	110 J	-	-	-	220
Beryllium (dissolved)	4	16	-	-	-	5.0 U	-	-	-	5.0 U
Cadmium (dissolved)	5	6.9	-	-	-	2.0 U	-	-	-	2.0 U
Calcium (dissolved)	-	-	-	-	-	140000	-	-	-	150000
Chromium (dissolved)	100	-	-	-	-	5.0 U	-	-	-	5.0 U
Cobalt (dissolved)	-	4.7	-	-	-	7.0 U	-	-	-	7.0 U
Copper (dissolved)	1300	620	-	-	-	25 U	-	-	-	25 U
Iron (dissolved)	-	11000	-	-	-	150	-	-	-	610
Lead (dissolved)	15	-	-	-	-	3.0 U	-	-	-	3.0 U
Magnesium (dissolved)	-	-	-	-	-	53000	-	-	-	46000
Manganese (dissolved)	-	320	-	-	-	440[b]	-	-	-	280
Mercury (dissolved)	2	0.63	-	-	-	0.20 U	-	-	-	0.20 U
Nickel (dissolved)	-	300	-	-	-	7.4 J	-	-	-	5.8 J
Potassium (dissolved)	-	-	-	-	-	9400	-	-	-	8900
Selenium (dissolved)	50	78	-	-	-	5.0 U	-	-	-	5.0 U
Silver (dissolved)	-	71	-	-	-	5.0 U	-	-	-	5.0 U
Sodium (dissolved)	-	-	-	-	-	91000	-	-	-	48000
Thallium (dissolved)	2	0.16	-	-	-	5.5 J[ab]	-	-	-	5.1 J[ab]
Vanadium (dissolved)	-	78	-	-	-	7.0 U	-	-	-	7.0 U
Zinc (dissolved)	-	4700	-	-	-	50 U	-	-	-	50 U
PCBs										
Aroclor-1016(PCB-1016)	-	0.96	-	-	-	-	-	-	-	-
Aroclor-1221(PCB-1221)	-	0.004	-	-	-	-	-	-	-	-
Aroclor-1232(PCB-1232)	-	0.004	-	-	-	-	-	-	-	-
Aroclor-1242(PCB-1242)	-	0.034	-	-	-	-	-	-	-	-
Aroclor-1248(PCB-1248)	-	0.034	-	-	-	-	-	-	-	-
Aroclor-1254(PCB-1254)	-	0.034	-	-	-	-	-	-	-	-
Aroclor-1260(PCB-1260)	-	0.034	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons										
Total Petroleum Hydrocarbons (C10-C20)	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C20-C34)	-	-	-	-	-	-	-	-	-	-

TABLE 1

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

Sample Location:			*BH30-13*	*BH31-13*	*BH32-13*	*BH32-13*	*BH33-13*	*BH34-13*	*BH35-13*	*BH36-13*
Sample ID:			*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:			*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:	*USEPA Regional Screening Levels* [1]		*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				
Parameter	*MCL*	*Tap Water*								
	a	*b*								
Volatile Organic Compounds										
1,1,1-Trichloroethane	200	7500	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	-	0.066	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	5	0.24	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	-	2.4	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	7	260	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	70	0.99	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)	0.2	0.00032	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)	0.05	0.0065	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	600	280	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	5	0.15	1.4 U	2.0 U	1.0 U	1.0 U	2.0 J[b]	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	5	0.38	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	-	-	1.4 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	75	0.42	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)	-	4900	14 U	20 U	10 U	10 U	50 U	10 U	10 U	10 U
2-Hexanone	-	34	14 U	20 U	10 U	10 U	50 U	10 U	10 UJ	10 U
4-Methyl-2-pentanone(Methyl isobutyl ketone) (MIBK)	-	1000	14 U	20 U	10 U	10 U	50 U	10 U	10 U	10 U
Acetone	-	12000	14 U	20 U	10 U	10 U	7.1 J	10 U	10 U	10 U
Benzene	5	0.39	0.19 J	0.31 J	1.0 U	1.0 U	80[ab]	0.49 J[b]	1.0 U	1.0 U
Bromodichloromethane	80	0.12	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	80	7.9	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)	-	7	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	-	720	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	5	0.39	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	100	72	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	-	21000	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)	80	0.19	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)	-	190	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	70	28	1.6	49[b]	0.88 J	0.94 J	3.8 J	1.7	1.0 U	1.6
cis-1,3-Dichloropropene	-	-	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	-	13000	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	80	0.15	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)	-	190	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	700	1.3	1.4 U	2.0 U	1.0 U	1.0 U	100[b]	1.0 U	1.0 U	1.0 U
Isopropylbenzene	-	390	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	-	16000	14 U	20 U	10 U	10 U	50 U	10 U	10 U	10 U
Methyl cyclohexane	-	-	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)	-	12	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	5	9.9	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	-	0.14	1.4 U	2.0 U	1.0 U	1.0 U	5.3[b]	1.0 U	1.0 U	1.0 U
Styrene	100	1100	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	5	9.7	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	1000	860	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	100	86	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	-	-	1.4 UJ	2.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5	0.44	39[ab]	57[ab]	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane(CFC-11)	-	1100	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)	-	53000	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	2	0.015	1.4 U	9.4[ab]	1.0 U	1.0 U	1.1 J[b]	11[ab]	2.2[ab]	2.3[ab]
Xylenes (total)	10000	190	2.9 U	4.0 U	2.0 U	2.0 U	190	2.0 U	2.0 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:			*BH30-13*	*BH31-13*	*BH32-13*	*BH32-13*	*BH33-13*	*BH34-13*	*BH35-13*	*BH36-13*
Sample ID:			*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:			*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:	*USEPA Regional Screening Levels* [1]		*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				
Parameter	*MCL*	*Tap Water*								
	a	*b*								
Metals										
Aluminum (dissolved)	-	16000	200 U	-	-	-	-	-	-	200 U
Antimony (dissolved)	6	6	10 U	-	-	-	-	-	-	10 U
Arsenic (dissolved)	10	0.045	10 U	-	-	-	-	-	-	10 U
Barium (dissolved)	2000	2900	270	-	-	-	-	-	-	930
Beryllium (dissolved)	4	16	5.0 U	-	-	-	-	-	-	5.0 U
Cadmium (dissolved)	5	6.9	2.0 U	-	-	-	-	-	-	2.0 U
Calcium (dissolved)	-	-	160000	-	-	-	-	-	-	110000
Chromium (dissolved)	100	-	5.0 U	-	-	-	-	-	-	5.0 U
Cobalt (dissolved)	-	4.7	7.0 U	-	-	-	-	-	-	7.0 U
Copper (dissolved)	1300	620	25 U	-	-	-	-	-	-	25 U
Iron (dissolved)	-	11000	1200	-	-	-	-	-	-	2100
Lead (dissolved)	15	-	3.0 U	-	-	-	-	-	-	3.0 U
Magnesium (dissolved)	-	-	43000	-	-	-	-	-	-	51000
Manganese (dissolved)	-	320	150	-	-	-	-	-	-	1200[b]
Mercury (dissolved)	2	0.63	0.20 U	-	-	-	-	-	-	0.20 U
Nickel (dissolved)	-	300	40 U	-	-	-	-	-	-	14 J
Potassium (dissolved)	-	-	7200	-	-	-	-	-	-	16000
Selenium (dissolved)	50	78	11	-	-	-	-	-	-	5.0 U
Silver (dissolved)	-	71	5.0 U	-	-	-	-	-	-	5.0 U
Sodium (dissolved)	-	-	35000	-	-	-	-	-	-	65000
Thallium (dissolved)	2	0.16	10 U	-	-	-	-	-	-	6.7 J[ab]
Vanadium (dissolved)	-	78	7.0 U	-	-	-	-	-	-	7.0 U
Zinc (dissolved)	-	4700	50 U	-	-	-	-	-	-	51 U
PCBs										
Aroclor-1016(PCB-1016)	-	0.96	0.48 U	-	-	-	-	-	-	0.48 U
Aroclor-1221(PCB-1221)	-	0.004	0.48 U	-	-	-	-	-	-	0.48 U
Aroclor-1232(PCB-1232)	-	0.004	0.48 U	-	-	-	-	-	-	0.48 U
Aroclor-1242(PCB-1242)	-	0.034	0.48 U	-	-	-	-	-	-	0.48 U
Aroclor-1248(PCB-1248)	-	0.034	0.48 U	-	-	-	-	-	-	0.48 U
Aroclor-1254(PCB-1254)	-	0.034	0.48 U	-	-	-	-	-	-	0.48 U
Aroclor-1260(PCB-1260)	-	0.034	0.48 U	-	-	-	-	-	-	0.48 U
Petroleum Hydrocarbons										
Total Petroleum Hydrocarbons (C10-C20)	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C20-C34)	-	-	-	-	-	-	-	-	-	-

TABLE 1

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
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*
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*
Sample Date:			*7/3/2013*	*6/28/2013*	*7/1/2013*	*7/2/2013*	*7/8/2013*	*7/2/2013*	*7/2/2013*	*7/2/2013*
Sample Depth:	*USEPA Regional Screening Levels [1]*		*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*
Parameter	*MCL a*	*Tap Water 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	0.48 J	1.0 U	11 U
1,1,2,2-Tetrachloroethane	-	0.066	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	11 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	11 U
1,1-Dichloroethane	-	2.4	0.44 J	0.99 J	0.37 J	1.0 U	1.0 U	4.0[b]	0.53 J	11 U
1,1-Dichloroethene	7	260	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U
1,2,4-Trichlorobenzene	70	0.99	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U
1,2-Dibromo-3-chloropropane(DBCP)	0.2	0.00032	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	22 U
1,2-Dibromoethane(Ethylene dibromide)	0.05	0.0065	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U
1,2-Dichlorobenzene	600	280	0.21 J	0.45 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 J
1,2-Dichloroethane	5	0.15	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U
1,2-Dichloropropane	5	0.38	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U
1,3-Dichlorobenzene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U
1,4-Dichlorobenzene	75	0.42	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U
2-Butanone(Methyl ethyl ketone) (MEK)	-	4900	10 U	10 U	10 U	10 U	10 U	10 U	10 U	110 U
2-Hexanone	-	34	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	110 U
4-Methyl-2-pentanone(Methyl isobutyl ketone) (MIBK)	-	1000	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	110 U
Acetone	-	12000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	110 U
Benzene	5	0.39	0.63 J[b]	0.48 J[b]	1.0 U	1.0 U	1.0 U	0.15 J	1.0 U	100[ab]
Bromodichloromethane	80	0.12	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U
Bromoform	80	7.9	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U
Bromomethane (Methyl bromide)	-	7	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	11 U
Carbon disulfide	-	720	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U
Carbon tetrachloride	5	0.39	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	11 U
Chlorobenzene	100	72	0.61 J	0.59 J	1.0 U	1.0 U	0.44 J	1.0 U	1.0 U	6.3 J
Chloroethane	-	21000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U
Chloroform (Trichloromethane)	80	0.19	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U
Chloromethane (Methyl chloride)	-	190	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U
cis-1,2-Dichloroethene	70	28	4.7	2.6	6.6	2.0	1.0 U	27	1.7	2.8 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
Cyclohexane	-	13000	0.12 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U
Dibromochloromethane	80	0.15	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U
Dichlorodifluoromethane (CFC-12)	-	190	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U
Ethylbenzene	700	1.3	1.0 U	0.46 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	9.9 J[b]
Isopropylbenzene	-	390	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.7 J
Methyl acetate	-	16000	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	110 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
Methyl tert butyl ether (MTBE)	-	12	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U
Methylene chloride	5	9.9	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U
Naphthalene	-	0.14	1.0 U	1.0 U	1.0 U	1.0 U	1.4[b]	1.0 U	1.0 U	11 U
Styrene	100	1100	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U
Tetrachloroethene	5	9.7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U
Toluene	1000	860	1.0 U	11	1.0 U	1.0 U	0.18 J	1.0 U	0.13 J	270
trans-1,2-Dichloroethene	100	86	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.45 J	1.0 U	11 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
Trichloroethene	5	0.44	1.0 U	1.0 U	1.0[b]	0.36 J[b]	1.0 U	6.1[ab]	1.9[b]	11 U
Trichlorofluoromethane(CFC-11)	-	1100	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	11 U
Trifluorotrichloroethane(Freon 113)	-	53000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	11 U
Vinyl chloride	2	0.015	7.7[ab]	1.9[b]	3.6[ab]	0.25 J[b]	3.5[ab]	6.2[ab]	0.28 J[b]	11 U
Xylenes (total)	10000	190	2.0 U	2.2	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	36

TABLE 1

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
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*
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*
Sample Date:			*7/3/2013*	*6/28/2013*	*7/1/2013*	*7/2/2013*	*7/8/2013*	*7/2/2013*	*7/2/2013*	*7/2/2013*
Sample Depth:	*USEPA Regional Screening Levels [1]*		*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*
Parameter	*MCL a*	*Tap Water b*								
Metals										
Aluminum (dissolved)	-	16000	-	-	-	200 U	-	-	-	200 U
Antimony (dissolved)	6	6	-	-	-	10 U	-	-	-	10 U
Arsenic (dissolved)	10	0.045	-	-	-	10 U	-	-	-	5.1 J[b]
Barium (dissolved)	2000	2900	-	-	-	630	-	-	-	830
Beryllium (dissolved)	4	16	-	-	-	5.0 U	-	-	-	5.0 U
Cadmium (dissolved)	5	6.9	-	-	-	2.0 U	-	-	-	2.0 U
Calcium (dissolved)	-	-	-	-	-	130000	-	-	-	160000
Chromium (dissolved)	100	-	-	-	-	5.0 U	-	-	-	5.0 U
Cobalt (dissolved)	-	4.7	-	-	-	2.7 J	-	-	-	7.0 U
Copper (dissolved)	1300	620	-	-	-	25 U	-	-	-	25 U
Iron (dissolved)	-	11000	-	-	-	2600	-	-	-	24000[b]
Lead (dissolved)	15	-	-	-	-	3.0 U	-	-	-	3.0 U
Magnesium (dissolved)	-	-	-	-	-	70000	-	-	-	48000
Manganese (dissolved)	-	320	-	-	-	720[b]	-	-	-	280
Mercury (dissolved)	2	0.63	-	-	-	0.20 U	-	-	-	0.20 U
Nickel (dissolved)	-	300	-	-	-	7.3 J	-	-	-	40 U
Potassium (dissolved)	-	-	-	-	-	20000 J	-	-	-	17000 J
Selenium (dissolved)	50	78	-	-	-	5.0 U	-	-	-	5.0 U
Silver (dissolved)	-	71	-	-	-	5.0 U	-	-	-	5.0 U
Sodium (dissolved)	-	-	-	-	-	73000	-	-	-	100000
Thallium (dissolved)	2	0.16	-	-	-	5.0 J[ab]	-	-	-	4.9 J[ab]
Vanadium (dissolved)	-	78	-	-	-	7.0 U	-	-	-	7.0 U
Zinc (dissolved)	-	4700	-	-	-	50 U	-	-	-	50 U
PCBs										
Aroclor-1016 (PCB-1016)	-	0.96	-	-	-	0.48 U	-	-	-	-
Aroclor-1221 (PCB-1221)	-	0.004	-	-	-	0.48 U	-	-	-	-
Aroclor-1232 (PCB-1232)	-	0.004	-	-	-	0.48 U	-	-	-	-
Aroclor-1242 (PCB-1242)	-	0.034	-	-	-	0.48 U	-	-	-	-
Aroclor-1248 (PCB-1248)	-	0.034	-	-	-	0.48 U	-	-	-	-
Aroclor-1254 (PCB-1254)	-	0.034	-	-	-	0.48 U	-	-	-	-
Aroclor-1260 (PCB-1260)	-	0.034	-	-	-	0.48 U	-	-	-	-
Petroleum Hydrocarbons										
Total Petroleum Hydrocarbons (C10-C20)	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C20-C34)	-	-	-	-	-	-	-	-	-	-

TABLE 1

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

Sample Location:			*BH46B-13*	*BH48B-13*	*BH49-13*	*BH51-13*	*BH52-13*	*BH53-13*	*BH54-13*	*BH55-13*
Sample ID:			*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*	*WG-38443-061813-SM-033*	*WG-38443-061813-SM-035*
Sample Date:			*7/3/2013*	*7/8/2013*	*6/18/2013*	*6/21/2013*	*6/19/2013*	*6/18/2013*	*6/18/2013*	*6/18/2013*
Sample Depth:	*USEPA Regional Screening Levels* [1]		*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*	*21.5-25.5 ft BGS*	*25.5-29.5 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
1,1,2,2-Tetrachloroethane	-	0.066	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-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
1,1-Dichloroethane	-	2.4	1.0 U	0.18 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	7	260	1.0 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	70	0.99	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromo-3-chloropropane(DBCP)	0.2	0.00032	2.0 UJ	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)	0.05	0.0065	1.0 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	600	280	1.0 U	0.92 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	5	0.15	1.0 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	5	0.38	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-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
1,4-Dichlorobenzene	75	0.42	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)	-	4900	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	-	34	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 U	10 U
4-Methyl-2-pentanone(Methyl isobutyl ketone)(MIBK)	-	1000	10 U	10 UJ	10 U	0.34 J	10 U	10 U	10 U	10 U
Acetone	-	12000	10 U	10 U	10 U	10 U	1.3 J	10 U	10 U	10 U
Benzene	5	0.39	1.0 U	0.61 J[b]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	80	0.12	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	80	7.9	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)	-	7	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ
Carbon disulfide	-	720	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	5	0.39	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	100	72	0.41 J	1.7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	-	21000	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)	80	0.19	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)	-	190	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	70	28	1.0 U	2.5	0.33 J	1.0 U	5.6	0.52 J	0.17 J	2.5
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
Cyclohexane	-	13000	1.0 U	0.22 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	80	0.15	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)	-	190	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	700	1.3	1.0 U	1.0 U	1.0 U	0.84 J	1.0 U	1.0 U	1.0 U	1.0 U
Isopropylbenzene	-	390	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	-	16000	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
Methyl tert butyl ether (MTBE)	-	12	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	5	9.9	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U
Naphthalene	-	0.14	1.0 U	1.0 U	1.0 U	0.32 J[b]	1.0 UJ	1.0 U	1.0 U	1.0 U
Styrene	100	1100	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	5	9.7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1000	860	1.0 U	0.26 J	1.0 U	0.32 J	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	100	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
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	1.0 U
Trichloroethene	5	0.44	1.0 U	1.0 U	1.0 U	1.0 U	0.40 J	2.0[b]	0.58 J[b]	2.1[b]
Trichlorofluoromethane(CFC-11)	-	1100	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ
Trifluorotrichloroethane(Freon 113)	-	53000	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	2	0.015	1.0 U	2.9[ab]	1.0 U	1.0 U	0.73 J[b]	1.0 U	1.0 U	0.46 J[b]
Xylenes (total)	10000	190	2.0 U	2.0 U	2.0 U	6.3	2.0 U	2.0 U	2.0 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:			*BH46B-13*	*BH48B-13*	*BH49-13*	*BH51-13*	*BH52-13*	*BH53-13*	*BH54-13*	*BH55-13*
Sample ID:			*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*	*WG-38443-061813-SM-033*	*WG-38443-061813-SM-035*
Sample Date:			*7/3/2013*	*7/8/2013*	*6/18/2013*	*6/21/2013*	*6/19/2013*	*6/18/2013*	*6/18/2013*	*6/18/2013*
Sample Depth:	*USEPA Regional Screening Levels* [1]		*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*	*21.5-25.5 ft BGS*	*25.5-29.5 ft BGS*
Parameter	*MCL*	*Tap Water*								
	a	*b*								
Metals										
Aluminum (dissolved)	-	16000	200 U	200 U	200 U	-	-	-	-	-
Antimony (dissolved)	6	6	10 U	10 U	10 U	-	-	-	-	-
Arsenic (dissolved)	10	0.045	10 U	11*[b]	6.0 J[b]	-	-	-	-	-
Barium (dissolved)	2000	2900	570	660	1700	-	-	-	-	-
Beryllium (dissolved)	4	16	5.0 U	5.0 U	5.0 U	-	-	-	-	-
Cadmium (dissolved)	5	6.9	2.0 U	2.0 U	2.0 U	-	-	-	-	-
Calcium (dissolved)	-	-	150000	150000	170000	-	-	-	-	-
Chromium (dissolved)	100	-	5.0 U	5.0 U	5.0 U	-	-	-	-	-
Cobalt (dissolved)	-	4.7	1.8 J	7.0 U	7.0 U	-	-	-	-	-
Copper (dissolved)	1300	620	8.3 J	25 U	25 U	-	-	-	-	-
Iron (dissolved)	-	11000	2400	12000[b]	8400	-	-	-	-	-
Lead (dissolved)	15	-	3.0 U	3.0 U	3.0 U	-	-	-	-	-
Magnesium (dissolved)	-	-	49000	43000	57000	-	-	-	-	-
Manganese (dissolved)	-	320	1000[b]	230	440[b]	-	-	-	-	-
Mercury (dissolved)	2	0.63	0.20 U	0.20 U	0.20 U	-	-	-	-	-
Nickel (dissolved)	-	300	40 U	4.2 J	4.4 J	-	-	-	-	-
Potassium (dissolved)	-	-	11000	8500	14000	-	-	-	-	-
Selenium (dissolved)	50	78	8.0	5.0 U	5.0 U	-	-	-	-	-
Silver (dissolved)	-	71	5.0 U	5.0 U	5.0 U	-	-	-	-	-
Sodium (dissolved)	-	-	100000	83000	120000	-	-	-	-	-
Thallium (dissolved)	2	0.16	10 U	10 U	5.9 J[ab]	-	-	-	-	-
Vanadium (dissolved)	-	78	7.0 U	7.0 U	7.0 U	-	-	-	-	-
Zinc (dissolved)	-	4700	50 U	51	50 U	-	-	-	-	-
PCBs										
Aroclor-1016 (PCB-1016)	-	0.96	-	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	-	0.004	-	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	-	0.004	-	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	-	0.034	-	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	-	0.034	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	0.034	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	0.034	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons										
Total Petroleum Hydrocarbons (C10-C20)	-	-	-	480 U	540 UJ	530 U	-	-	-	-
Total Petroleum Hydrocarbons (C20-C34)	-	-	-	480 U	540 UJ	530 U	-	-	-	-

TABLE 1

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

Sample Location:			*BH56-13*	*BH57-13*	*BH57-13*	*BH58-13*	*BH59-13*	*BH60-13*	*BH61-13*	*BH62-13*
Sample ID:			*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*	*WG-38443-061913-SM-043*
Sample Date:			*6/19/2013*	*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]		*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*	*24.5-28.5 ft BGS*
					Duplicate					
Parameter	*MCL*	*Tap Water*								
	a	*b*								
Volatile Organic Compounds										
1,1,1-Trichloroethane	200	7500	1.0 U	1.0 U	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
1,1,2-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
1,1-Dichloroethane	-	2.4	1.0 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	7	260	1.0 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	70	0.99	1.0 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)	0.2	0.00032	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)	0.05	0.0065	1.0 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	600	280	1.0 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	5	0.15	1.0 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	5	0.38	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-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
1,4-Dichlorobenzene	75	0.42	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(Methylethyl ketone) (MEK)	-	4900	10 U	10 U	10 U	10 U	10 U	10 U	10 U	3.0 J
2-Hexanone	-	34	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 UJ
4-Methyl-2-pentanone(Methyl isobutyl ketone) (MIBK)	-	1000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2.2 J
Acetone	-	12000	1.1 J	10 U	2.0 J	10 U	10 U	10 U	10 U	2.4 J
Benzene	5	0.39	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	80	0.12	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	80	7.9	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)	-	7	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	-	720	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	5	0.39	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	100	72	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	-	21000	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)	80	0.19	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)	-	190	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	70	28	0.96 J	4.1	4.1	0.29 J	0.68 J	0.81 J	0.73 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
Cyclohexane	-	13000	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	80	0.15	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)	-	190	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	700	1.3	1.0 U	1.0 U	1.0 U	0.68 J	1.0 U	1.0 U	1.0 U	0.86 J
Isopropyl benzene	-	390	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	-	16000	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
Methyl tert butyl ether (MTBE)	-	12	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	5	9.9	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 UJ	1.0 U
Naphthalene	-	0.14	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	0.43 J[b]
Styrene	100	1100	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	5	9.7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1000	860	1.0 U	1.0 U	1.0 U	0.34 J	0.14 J	1.0 U	1.0 U	0.50 J
trans-1,2-Dichloroethene	100	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
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
Trichloroethene	5	0.44	0.71 J[b]	0.95 J[b]	0.95 J[b]	1.0 U	1.6[b]	1.3[b]	0.80 J[b]	1.0 U
Trichlorofluoromethane(CFC-11)	-	1100	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)	-	53000	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	2	0.015	1.0 U	0.48 J[b]	0.40 J[b]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes (total)	10000	190	2.0 U	2.0 U	2.0 U	4.7	2.0 U	2.0 U	2.0 U	7.3

TABLE 1

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

Sample Location:			*BH56-13*	*BH57-13*	*BH57-13*	*BH58-13*	*BH59-13*	*BH60-13*	*BH61-13*	*BH62-13*
Sample ID:			*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*	*WG-38443-061913-SM-043*
Sample Date:			*6/19/2013*	*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]		*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*	*24.5-28.5 ft BGS*
					Duplicate					
Parameter	*MCL*	*Tap Water*								
	a	*b*								
Metals										
Aluminum (dissolved)	-	16000	-	-	-	-	-	-	-	-
Antimony (dissolved)	6	6	-	-	-	-	-	-	-	-
Arsenic (dissolved)	10	0.045	-	-	-	-	-	-	-	-
Barium (dissolved)	2000	2900	-	-	-	-	-	-	-	-
Beryllium (dissolved)	4	16	-	-	-	-	-	-	-	-
Cadmium (dissolved)	5	6.9	-	-	-	-	-	-	-	-
Calcium (dissolved)	-	-	-	-	-	-	-	-	-	-
Chromium (dissolved)	100	-	-	-	-	-	-	-	-	-
Cobalt (dissolved)	-	4.7	-	-	-	-	-	-	-	-
Copper (dissolved)	1300	620	-	-	-	-	-	-	-	-
Iron (dissolved)	-	11000	-	-	-	-	-	-	-	-
Lead (dissolved)	15	-	-	-	-	-	-	-	-	-
Magnesium (dissolved)	-	-	-	-	-	-	-	-	-	-
Manganese (dissolved)	-	320	-	-	-	-	-	-	-	-
Mercury (dissolved)	2	0.63	-	-	-	-	-	-	-	-
Nickel (dissolved)	-	300	-	-	-	-	-	-	-	-
Potassium (dissolved)	-	-	-	-	-	-	-	-	-	-
Selenium (dissolved)	50	78	-	-	-	-	-	-	-	-
Silver (dissolved)	-	71	-	-	-	-	-	-	-	-
Sodium (dissolved)	-	-	-	-	-	-	-	-	-	-
Thallium (dissolved)	2	0.16	-	-	-	-	-	-	-	-
Vanadium (dissolved)	-	78	-	-	-	-	-	-	-	-
Zinc (dissolved)	-	4700	-	-	-	-	-	-	-	-
PCBs										
Aroclor-1016(PCB-1016)	-	0.96	-	0.49 UJ	0.49 UJ	0.52 UJ	0.52 UJ	0.49 UJ	0.51 UJ	0.51 UJ
Aroclor-1221(PCB-1221)	-	0.004	-	0.49 UJ	0.49 UJ	0.52 UJ	0.52 UJ	0.49 UJ	0.51 UJ	0.51 UJ
Aroclor-1232(PCB-1232)	-	0.004	-	0.49 UJ	0.49 UJ	0.52 UJ	0.52 UJ	0.49 UJ	0.51 UJ	0.51 UJ
Aroclor-1242(PCB-1242)	-	0.034	-	0.49 UJ	0.49 UJ	0.52 UJ	0.52 UJ	0.49 UJ	0.51 UJ	0.51 UJ
Aroclor-1248(PCB-1248)	-	0.034	-	0.49 UJ	0.49 UJ	0.52 UJ	0.52 UJ	0.49 UJ	0.51 UJ	0.51 UJ
Aroclor-1254(PCB-1254)	-	0.034	-	0.49 UJ	0.49 UJ	0.52 UJ	0.52 UJ	0.49 UJ	0.51 UJ	0.51 UJ
Aroclor-1260(PCB-1260)	-	0.034	-	0.49 UJ	0.49 UJ	0.52 UJ	0.52 UJ	0.49 UJ	0.51 UJ	0.51 UJ
Petroleum Hydrocarbons										
Total Petroleum Hydrocarbons (C10-C20)	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C20-C34)	-	-	-	-	-	-	-	-	-	-

TABLE 1

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

Sample Location:			*BH63-13*	*BH64-13*	*BH65-13*	*BH66-13*	*BH67-13*	*BH68-13*	*BH69-13*	*BH70-13*
Sample ID:			*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:			*6/20/2013*	*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]		*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	1.7 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	1.7 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	1.7 U	2.0 U
1,1-Dichloroethane	-	2.4	1.0 U	1.0 U	1.0 U	0.53 J	0.55 J	1.0 U	1.7 U	2.0 U
1,1-Dichloroethene	7	260	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U
1,2,4-Trichlorobenzene	70	0.99	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U
1,2-Dibromo-3-chloropropane(DBCP)	0.2	0.00032	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	3.3 U	4.0 U
1,2-Dibromoethane(Ethylene dibromide)	0.05	0.0065	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U
1,2-Dichlorobenzene	600	280	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U
1,2-Dichloroethane	5	0.15	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U
1,2-Dichloropropane	5	0.38	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U
1,3-Dichlorobenzene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U
1,4-Dichlorobenzene	75	0.42	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U
2-Butanone(Methylethyl ketone) (MEK)	-	4900	10 U	10 U	10 U	10 U	10 U	10 U	17 U	1.3 J
2-Hexanone	-	34	10 U	10 UJ	10 U	10 U	10 U	10 U	17 UJ	20 UJ
4-Methyl-2-pentanone(Methyl isobutyl ketone) (MIBK)	-	1000	10 U	10 U	10 U	10 U	10 U	10 U	17 U	20 U
Acetone	-	12000	10 U	10 U	10 U	10 U	10 U	10 U	17 UJ	20 UJ
Benzene	5	0.39	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U
Bromodichloromethane	80	0.12	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U
Bromoform	80	7.9	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.7 U	2.0 U
Bromomethane (Methyl bromide)	-	7	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 UJ	1.7 UJ	2.0 UJ
Carbon disulfide	-	720	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U
Carbon tetrachloride	5	0.39	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U
Chlorobenzene	100	72	1.0 U	1.0 U	1.0 U	0.20 J	0.48 J	0.88 J	0.85 J	2.0 U
Chloroethane	-	21000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U
Chloroform (Trichloromethane)	80	0.19	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.48 J[b]	0.57 J[b]
Chloromethane (Methyl chloride)	-	190	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U
cis-1,2-Dichloroethene	70	28	0.90 J	0.88 J	1.8	2.0	1.0	1.4	25	0.72 J
cis-1,3-Dichloropropene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U
Cyclohexane	-	13000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U
Dibromochloromethane	80	0.15	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U
Dichlorodifluoromethane (CFC-12)	-	190	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U
Ethylbenzene	700	1.3	1.0 U	1.0 U	1.0 U	0.39 J	0.67 J	1.0 U	1.7 U	2.0 U
Isopropyl benzene	-	390	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U
Methyl acetate	-	16000	10 U	10 U	10 U	10 U	10 U	10 U	17 U	20 U
Methyl cyclohexane	-	-	1.0 U	1.0 U	1.0 U	0.17 J	1.0 U	1.0 U	1.7 U	2.0 U
Methyl tert butyl ether (MTBE)	-	12	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U
Methylene chloride	5	9.9	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 UJ	1.7 U	2.0 U
Naphthalene	-	0.14	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 UJ	1.7 UJ	2.0 UJ
Styrene	100	1100	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U
Tetrachloroethene	5	9.7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.5	2.0 U
Toluene	1000	860	0.22 J	1.0 U	1.0 U	1.0 U	1.0 U	0.17 J	0.92 J	1.2 J
trans-1,2-Dichloroethene	100	86	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.37 J	2.0 U
trans-1,3-Dichloropropene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U
Trichloroethene	5	0.44	0.70 J[b]	1.1[b]	1.0 U	1.0 U	1.0 U	1.0 U	43[ab]	74[ab]
Trichlorofluoromethane(CFC-11)	-	1100	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 UJ	1.7 UJ	2.0 UJ
Trifluorotrichloroethane(Freon 113)	-	53000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U
Vinyl chloride	2	0.015	1.0 U	1.0 U	1.0 U	0.29 J[b]	0.57 J[b]	1.0 U	1.7 U	2.0 U
Xylenes (total)	10000	190	2.0 U	2.0 U	2.0 U	0.64 J	0.30 J	2.0 U	3.3 U	4.0 U

TABLE 1

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

Sample Location:			*BH63-13*	*BH64-13*	*BH65-13*	*BH66-13*	*BH67-13*	*BH68-13*	*BH69-13*	*BH70-13*
Sample ID:			*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:			*6/20/2013*	*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]		*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*								
Metals										
Aluminum (dissolved)	-	16000	-	-	-	-	-	-	-	-
Antimony (dissolved)	6	6	-	-	-	-	-	-	-	-
Arsenic (dissolved)	10	0.045	-	-	-	-	-	-	-	-
Barium (dissolved)	2000	2900	-	-	-	-	-	-	-	-
Beryllium (dissolved)	4	16	-	-	-	-	-	-	-	-
Cadmium (dissolved)	5	6.9	-	-	-	-	-	-	-	-
Calcium (dissolved)	-	-	-	-	-	-	-	-	-	-
Chromium (dissolved)	100	-	-	-	-	-	-	-	-	-
Cobalt (dissolved)	-	4.7	-	-	-	-	-	-	-	-
Copper (dissolved)	1300	620	-	-	-	-	-	-	-	-
Iron (dissolved)	-	11000	-	-	-	-	-	-	-	-
Lead (dissolved)	15	-	-	-	-	-	-	-	-	-
Magnesium (dissolved)	-	-	-	-	-	-	-	-	-	-
Manganese (dissolved)	-	320	-	-	-	-	-	-	-	-
Mercury (dissolved)	2	0.63	-	-	-	-	-	-	-	-
Nickel (dissolved)	-	300	-	-	-	-	-	-	-	-
Potassium (dissolved)	-	-	-	-	-	-	-	-	-	-
Selenium (dissolved)	50	78	-	-	-	-	-	-	-	-
Silver (dissolved)	-	71	-	-	-	-	-	-	-	-
Sodium (dissolved)	-	-	-	-	-	-	-	-	-	-
Thallium (dissolved)	2	0.16	-	-	-	-	-	-	-	-
Vanadium (dissolved)	-	78	-	-	-	-	-	-	-	-
Zinc (dissolved)	-	4700	-	-	-	-	-	-	-	-
PCBs										
Aroclor-1016(PCB-1016)	-	0.96	0.50 U	0.49 UJ	0.53 U	0.52 U	0.54 U	0.48 U	0.48 U	0.49 U
Aroclor-1221(PCB-1221)	-	0.004	0.50 U	0.49 UJ	0.53 U	0.52 U	0.54 U	0.48 U	0.48 U	0.49 U
Aroclor-1232(PCB-1232)	-	0.004	0.50 U	0.49 UJ	0.53 U	0.52 U	0.54 U	0.48 U	0.48 U	0.49 U
Aroclor-1242(PCB-1242)	-	0.034	0.50 U	0.49 UJ	0.53 U	0.52 U	0.54 U	0.48 U	0.48 U	0.49 U
Aroclor-1248(PCB-1248)	-	0.034	0.50 U	0.49 UJ	0.53 U	0.52 U	0.54 U	0.48 U	0.48 U	0.49 U
Aroclor-1254(PCB-1254)	-	0.034	0.50 U	0.49 UJ	0.53 U	0.52 U	0.54 U	0.48 U	0.48 U	0.49 U
Aroclor-1260(PCB-1260)	-	0.034	0.50 U	0.49 UJ	0.53 U	0.52 U	0.54 U	0.48 U	0.48 U	0.49 U
Petroleum Hydrocarbons										
Total Petroleum Hydrocarbons (C10-C20)	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C20-C34)	-	-	-	-	-	-	-	-	-	-

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*
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*
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*
Sample Depth:	*USEPA Regional Screening Levels* [3]		*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*
							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
1,1,2,2-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
1,1,2-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
1,1-Dichloroethane	-	2.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U
1,1-Dichloroethene	7	260	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U
1,2,4-Trichlorobenzene	70	0.99	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.4 U
1,2-Dibromo-3-chloropropane(DBCP)	0.2	0.00032	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.9 U
1,2-Dibromoethane(Ethylene dibromide)	0.05	0.0065	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U
1,2-Dichlorobenzene	600	280	1.0 U	0.35 J	1.0 U	1.0 U	1.0 U	1.0 U	0.13 J	0.56 J
1,2-Dichloroethane	5	0.15	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U
1,2-Dichloropropane	5	0.38	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U
1,3-Dichlorobenzene	-	-	1.0 U	0.31 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U
1,4-Dichlorobenzene	75	0.42	1.0 U	2.5[b]	1.0 U	1.0 U	1.0 U	0.28 J	1.0 U	5.6[b]
2-Butanone(Methylethyl ketone) (MEK)	-	4900	10 U	10 U	10 U	10 U	1.0 J	10 U	10 U	14 U
2-Hexanone	-	34	10 U	10 U	10 U	10 U	10 U	10 U	10 U	14 U
4-Methyl-2-pentanone(Methyl isobutyl ketone) (MIBK)	-	1000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	14 U
Acetone	-	12000	10 U	10 U	10 U	10 U	10 U	2.4 J	10 U	14 UJ
Benzene	5	0.39	1.0 U	0.79 J[b]	1.0 U	1.0 U	1.0 U	0.49 J[b]	0.89 J[b]	12[ab]
Bromodichloromethane	80	0.12	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U
Bromoform	80	7.9	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.4 UJ
Bromomethane (Methyl bromide)	-	7	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.4 UJ
Carbon disulfide	-	720	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U
Carbon tetrachloride	5	0.39	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 UJ
Chlorobenzene	100	72	0.35 J	7.2	1.0 U	1.0 U	1.0 U	4.5	0.47 J	40
Chloroethane	-	21000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	4.1	1.4 UJ
Chloroform (Trichloromethane)	80	0.19	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U
Chloromethane (Methyl chloride)	-	190	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U
cis-1,2-Dichloroethene	70	28	2.0	0.44 J	1.0 U	1.0 U	1.0 U	0.65 J	1.0 U	0.74 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	1.4 UJ
Cyclohexane	-	13000	1.0 U	0.74 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.27 J
Dibromochloromethane	80	0.15	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 UJ
Dichlorodifluoromethane (CFC-12)	-	190	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.4 U
Ethylbenzene	700	1.3	1.0 U	1.0 U	1.0 U	0.42 J	0.59 J	1.0 U	1.0 U	2.2[b]
Isopropyl benzene	-	390	1.0 U	2.7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.9
Methyl acetate	-	16000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	14 U
Methyl cyclohexane	-	-	1.0 U	0.97 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.70 J
Methyl tert butyl ether (MTBE)	-	12	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.26 J	2.0	0.24 J
Methylene chloride	5	9.9	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.4 U
Naphthalene	-	0.14	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	9.8[b]
Styrene	100	1100	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U
Tetrachloroethene	5	9.7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U
Toluene	1000	860	1.0 U	0.24 J	1.0 U	0.25 J	0.33 J	0.19 J	0.15 J	0.50 J
trans-1,2-Dichloroethene	100	86	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U
trans-1,3-Dichloropropene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.4 UJ
Trichloroethene	5	0.44	0.24 J	0.17 J	2.6[b]	0.80 J[b]	0.40 J	1.0 U	1.0 U	1.4 U
Trichlorofluoromethane(CFC-11)	-	1100	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.4 U
Trifluorotrichloroethane(Freon 113)	-	53000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U
Vinyl chloride	2	0.015	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.34 J[b]	1.0 U	0.32 J[b]
Xylenes (total)	10000	190	2.0 U	0.53 J	2.0 U	2.2 J	4.1 J	2.0 U	0.35 J	5.7

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*
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*
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*
Sample Depth:	*USEPA Regional Screening Levels* [3]		*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*
							Duplicate			
Parameter	*MCL*	*Tap Water*								
	a	*b*								
Metals										
Aluminum (dissolved)	-	16000	-	-	-	-	-	-	200 U	-
Antimony (dissolved)	6	6	-	-	-	-	-	-	10 U	-
Arsenic (dissolved)	10	0.045	-	-	-	-	-	-	10 U	-
Barium (dissolved)	2000	2900	-	-	-	-	-	-	1900	-
Beryllium (dissolved)	4	16	-	-	-	-	-	-	5.0 U	-
Cadmium (dissolved)	5	6.9	-	-	-	-	-	-	2.0 U	-
Calcium (dissolved)	-	-	-	-	-	-	-	-	140000	-
Chromium (dissolved)	100	-	-	-	-	-	-	-	3.7 J	-
Cobalt (dissolved)	-	4.7	-	-	-	-	-	-	7.0 U	-
Copper (dissolved)	1300	620	-	-	-	-	-	-	25 U	-
Iron (dissolved)	-	11000	-	-	-	-	-	-	26000[b]	-
Lead (dissolved)	15	-	-	-	-	-	-	-	3.0 U	-
Magnesium (dissolved)	-	-	-	-	-	-	-	-	66000	-
Manganese (dissolved)	-	320	-	-	-	-	-	-	270	-
Mercury (dissolved)	2	0.63	-	-	-	-	-	-	0.20 U	-
Nickel (dissolved)	-	300	-	-	-	-	-	-	40 U	-
Potassium (dissolved)	-	-	-	-	-	-	-	-	24000	-
Selenium (dissolved)	50	78	-	-	-	-	-	-	5.0 U	-
Silver (dissolved)	-	71	-	-	-	-	-	-	5.0 U	-
Sodium (dissolved)	-	-	-	-	-	-	-	-	58000	-
Thallium (dissolved)	2	0.16	-	-	-	-	-	-	10 U	-
Vanadium (dissolved)	-	78	-	-	-	-	-	-	7.0 U	-
Zinc (dissolved)	-	4700	-	-	-	-	-	-	50 U	-
PCBs										
Aroclor-1016(PCB-1016)	-	0.96	0.49 U	0.50 U	0.49 U	0.48 U	0.54 U	-	-	-
Aroclor-1221(PCB-1221)	-	0.004	0.49 U	0.50 U	0.49 U	0.48 U	0.54 U	-	-	-
Aroclor-1232(PCB-1232)	-	0.004	0.49 U	0.50 U	0.49 U	0.48 U	0.54 U	-	-	-
Aroclor-1242(PCB-1242)	-	0.034	0.49 U	0.50 U	0.49 U	0.48 U	0.54 U	-	-	-
Aroclor-1248(PCB-1248)	-	0.034	0.49 U	0.50 U	0.49 U	0.48 U	0.54 U	-	-	-
Aroclor-1254(PCB-1254)	-	0.034	0.49 U	0.50 U	0.49 U	0.48 U	0.54 U	-	-	-
Aroclor-1260(PCB-1260)	-	0.034	0.49 U	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 1

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

Sample Location:			*BH78-13*	*BH79-13*	*BH80-13*	*BH81-13*	*BH81-13*	*BH82-13*	*BH83-13*	*BH83-13*
Sample ID:			*WG-38443-062513-SM-067*	*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*
Sample Date:			*6/25/2013*	*6/26/2013*	*6/25/2013*	*6/27/2013*	*6/27/2013*	*6/25/2013*	*6/25/2013*	*6/25/2013*
Sample Depth:	*USEPA Regional Screening Levels* [1]		*23-27 ft BGS*	*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*
							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
1,1,2,2-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
1,1,2-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
1,1-Dichloroethane	-	2.4	0.62 J	0.25 J	0.33 J	0.40 J	0.41 J	0.47 J	1.0 U	1.0 U
1,1-Dichloroethene	7	260	1.0 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	70	0.99	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ
1,2-Dibromo-3-chloropropane(DBCP)	0.2	0.00032	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)	0.05	0.0065	1.0 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	600	280	1.0 U	0.15 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	5	0.15	1.0 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	5	0.38	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.44 J	1.0 U
1,4-Dichlorobenzene	75	0.42	0.20 J	0.50 J[b]	1.0[b]	0.27 J	0.26 J	1.0 U	0.43 J[b]	0.42 J
2-Butanone(Methyl ethyl ketone) (MEK)	-	4900	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	-	34	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone(Methyl isobutyl ketone) (MIBK)	-	1000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	-	12000	10 U	10 U	10 UJ	10 U	10 U	10 U	3.6 J	2.3 J
Benzene	5	0.39	0.20 J	0.25 J	0.23 J	0.33 J	0.33 J	1.0 U	0.31 J	0.30 J
Bromodichloromethane	80	0.12	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	80	7.9	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	-	7	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon disulfide	-	720	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.17 J	1.0 U	1.0 U
Carbon tetrachloride	5	0.39	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	100	72	0.44 J	5.7	3.4	2.8	2.7	0.21 J	8.6	8.8
Chloroethane	-	21000	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	0.61 J	1.0 U	1.0 U
Chloroform (Trichloromethane)	80	0.19	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)	-	190	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	70	28	1.7	1.7	0.72 J	1.1	1.1	1.0 U	2.1	2.0
cis-1,3-Dichloropropene	-	-	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	-	13000	1.0 U	1.0 U	0.12 J	1.0 U	0.14 J	1.0 U	1.0 U	1.0 U
Dibromochloromethane	80	0.15	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	-	190	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ
Ethylbenzene	700	1.3	0.27 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropylbenzene	-	390	0.19 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl acetate	-	16000	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
Methyl tert butyl ether (MTBE)	-	12	1.0 U	0.36 J	0.24 J	0.27 J	0.25 J	0.23 J	0.56 J	0.56 J
Methylene chloride	5	9.9	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	-	0.14	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ
Styrene	100	1100	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	5	9.7	0.33 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1000	860	0.48 J	0.17 J	0.13 J	0.23 J	0.22 J	1.0 U	0.21 J	0.23 J
trans-1,2-Dichloroethene	100	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
trans-1,3-Dichloropropene	-	-	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ
Trichloroethene	5	0.44	0.38 J	1.0 U	1.0 U	1.0 U	0.17 J	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane(CFC-11)	-	1100	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)	-	53000	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	2	0.015	0.41 J[b]	5.3[ab]	0.41 J[b]	0.42 J[b]	0.44 J[b]	1.9[b]	2.3[ab]	2.2[ab]
Xylenes (total)	10000	190	0.85 J	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 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:			*BH78-13*	*BH79-13*	*BH80-13*	*BH81-13*	*BH81-13*	*BH82-13*	*BH83-13*	*BH83-13*
Sample ID:			*WG-38443-062513-SM-067*	*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*
Sample Date:			*6/25/2013*	*6/26/2013*	*6/25/2013*	*6/27/2013*	*6/27/2013*	*6/25/2013*	*6/25/2013*	*6/25/2013*
Sample Depth:	*USEPA Regional Screening Levels* [1]		*23-27 ft BGS*	*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*
							Duplicate			*Duplicate*
Parameter	*MCL*	*Tap Water*								
	a	*b*								
Metals										
Aluminum (dissolved)	-	16000	-	-	-	200 U	200 U	-	-	-
Antimony (dissolved)	6	6	-	-	-	10 U	10 U	-	-	-
Arsenic (dissolved)	10	0.045	-	-	-	10 U	10 U	-	-	-
Barium (dissolved)	2000	2900	-	-	-	760	740	-	-	-
Beryllium (dissolved)	4	16	-	-	-	5.0 U	5.0 U	-	-	-
Cadmium (dissolved)	5	6.9	-	-	-	2.0 U	2.0 U	-	-	-
Calcium (dissolved)	-	-	-	-	-	140000	140000	-	-	-
Chromium (dissolved)	100	-	-	-	-	5.0 U	5.0 U	-	-	-
Cobalt (dissolved)	-	4.7	-	-	-	7.0 U	7.0 U	-	-	-
Copper (dissolved)	1300	620	-	-	-	25 U	25 U	-	-	-
Iron (dissolved)	-	11000	-	-	-	5600	5500	-	-	-
Lead (dissolved)	15	-	-	-	-	3.0 U	3.0 U	-	-	-
Magnesium (dissolved)	-	-	-	-	-	56000	55000	-	-	-
Manganese (dissolved)	-	320	-	-	-	150	140	-	-	-
Mercury (dissolved)	2	0.63	-	-	-	0.20 U	0.20 U	-	-	-
Nickel (dissolved)	-	300	-	-	-	4.6 J	4.1 J	-	-	-
Potassium (dissolved)	-	-	-	-	-	18000	18000	-	-	-
Selenium (dissolved)	50	78	-	-	-	5.0 U	5.0 U	-	-	-
Silver (dissolved)	-	71	-	-	-	5.0 U	5.0 U	-	-	-
Sodium (dissolved)	-	-	-	-	-	88000	85000	-	-	-
Thallium (dissolved)	2	0.16	-	-	-	10 U	10 U	-	-	-
Vanadium (dissolved)	-	78	-	-	-	7.0 U	7.0 U	-	-	-
Zinc (dissolved)	-	4700	-	-	-	50 U	50 U	-	-	-
PCBs										
Aroclor-1016 (PCB-1016)	-	0.96	-	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	-	0.004	-	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	-	0.004	-	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	-	0.034	-	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	-	0.034	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	0.034	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	0.034	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons										
Total Petroleum Hydrocarbons (C10-C20)	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C20-C34)	-	-	-	-	-	-	-	-	-	-

TABLE 1

SUMMARY OF PHASE 1A GROUNDWATER 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*	*BH88-13*	*BH89-13*	*BH90-13*
Sample ID:			*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*	*GW-38443-070913-JT-101*
Sample Date:			*6/26/2013*	*6/25/2013*	*6/25/2013*	*6/24/2013*	*6/26/2013*	*6/24/2013*	*6/24/2013*	*7/9/2013*
Sample Depth:	*USEPA Regional Screening Levels* [1]		*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*	*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	1.0 U	2.2 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	2.2 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	2.2 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	-	2.4	1.7	0.35 J	0.35 J	2.2 U	0.23 J	1.0 U	0.62 J	1.0 U
1,1-Dichloroethene	7	260	1.0 U	1.0 U	1.0 U	2.2 U	1.0 U	1.0 U	0.39 J	1.0 U
1,2,4-Trichlorobenzene	70	0.99	1.0 U	1.0 UJ	1.0 UJ	2.2 U	1.0 U	1.2 J[b]	1.0 UJ	1.0 U
1,2-Dibromo-3-chloropropane(DBCP)	0.2	0.00032	2.0 U	2.0 U	2.0 U	4.4 U	2.0 U	2.0 U	2.0 U	2.0 U
1,2-Dibromoethane(Ethylene dibromide)	0.05	0.0065	1.0 U	1.0 U	1.0 U	2.2 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	600	280	1.0 U	1.0 U	1.0 U	2.2 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	5	0.15	1.0 U	1.0 U	1.0 U	2.2 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	5	0.38	1.0 U	0.62 J[b]	0.54 J[b]	2.2 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	2.2 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	75	0.42	1.0 U	0.48 J[b]	1.0 U	2.2 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone(Methylethyl ketone)(MEK)	-	4900	10 U	10 U	10 U	22 U	10 U	10 U	10 U	1.0 J
2-Hexanone	-	34	10 U	10 U	10 U	22 U	10 U	10 U	10 U	10 UJ
4-Methyl-2-pentanone(Methyl isobutyl ketone)(MIBK)	-	1000	10 U	10 U	10 U	22 U	10 U	10 U	10 U	10 UJ
Acetone	-	12000	1.9 J	10 U	10 U	22 UJ	10 U	2.6 J	10 U	10 U
Benzene	5	0.39	0.37 J	1.0 U	1.0 U	0.30 J	0.29 J	0.67 J[b]	0.21 J	1.0 U
Bromodichloromethane	80	0.12	1.0 U	1.0 U	1.0 U	2.2 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	80	7.9	1.0 UJ	1.0 U	1.0 U	2.2 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	-	7	1.0 U	1.0 U	1.0 U	2.2 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ
Carbon disulfide	-	720	1.0 U	1.0 U	1.0 U	2.2 U	1.0 U	0.24 J	1.0 U	1.0 U
Carbon tetrachloride	5	0.39	1.0 U	1.0 U	1.0 U	2.2 UJ	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	100	72	3.5	1.2	1.0 U	7.2	1.0 U	2.9	1.4	1.0 U
Chloroethane	-	21000	1.0 U	1.0 U	1.0 U	2.2 UJ	2.6	1.0 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	80	0.19	1.0 U	1.0 U	1.0 U	2.2 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane (Methyl chloride)	-	190	1.0 U	1.0 U	1.0 U	2.2 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	70	28	2.6	1.0 U	1.0 U	9.4	1.0 U	0.33 J	17	1.0 U
cis-1,3-Dichloropropene	-	-	1.0 U	1.0 U	1.0 U	2.2 UJ	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	-	13000	1.0 U	1.0 U	1.0 U	2.2 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	80	0.15	1.0 U	1.0 U	1.0 U	2.2 UJ	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	-	190	1.0 U	1.0 UJ	1.0 UJ	2.2 U	1.0 U	0.36 J	1.0 UJ	1.0 U
Ethylbenzene	700	1.3	1.0 U	1.0 U	1.0 U	2.2 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropylbenzene	-	390	1.0 U	1.0 U	1.0 U	2.2 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl acetate	-	16000	10 U	10 U	10 U	22 U	10 U	10 U	10 U	10 U
Methyl cyclohexane	-	-	1.0 U	1.0 U	1.0 U	2.2 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl tert butyl ether (MTBE)	-	12	1.0 U	1.0 U	1.0 U	2.2 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene chloride	5	9.9	1.0 U	1.0 U	1.0 U	2.2 U	1.0 U	1.0 U	1.0 U	1.0 UJ
Naphthalene	-	0.14	1.0 U	1.3 J[b]	0.24 J[b]	2.2 U	1.0 U	1.0 UJ	1.0 UJ	1.0 U
Styrene	100	1100	1.0 U	1.0 U	1.0 U	2.2 U	0.13 J	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5	9.7	1.0 U	1.0 U	1.0 U	2.2 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1000	860	0.15 J	1.0 U	1.0 U	2.2 U	1.0 U	0.49 J	0.18 J	0.16 J
trans-1,2-Dichloroethene	100	86	1.0 U	1.0 U	1.0 U	2.2 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	-	-	1.0 U	1.0 UJ	1.0 UJ	2.2 UJ	1.0 U	1.0 UJ	1.0 UJ	1.0 U
Trichloroethene	5	0.44	0.54 J[b]	1.0 U	1.0 U	2.2 U	1.0 U	1.0 U	11[ab]	1.0 U
Trichlorofluoromethane(CFC-11)	-	1100	1.0 U	1.0 U	1.0 U	2.2 U	1.0 U	1.0 U	1.0 U	1.0 UJ
Trifluorotrichloroethane(Freon 113)	-	53000	1.0 U	1.0 U	1.0 U	2.2 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	2	0.015	0.31 J[b]	1.0 U	1.0 U	54[ab]	1.0 U	2.5[ab]	7.0[ab]	1.0 U
Xylenes (total)	10000	190	2.0 U	2.0 U	2.0 U	4.4 U	2.0 U	2.0 U	2.0 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:			*BH84-13*	*BH85-13*	*BH85-13*	*BH86-13*	*BH87-13*	*BH88-13*	*BH89-13*	*BH90-13*
Sample ID:			*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*	*GW-38443-070913-JT-101*
Sample Date:			*6/26/2013*	*6/25/2013*	*6/25/2013*	*6/24/2013*	*6/26/2013*	*6/24/2013*	*6/24/2013*	*7/9/2013*
Sample Depth:	*USEPA Regional Screening Levels* [1]		*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*	*29.5-33.5 ft BGS*
					Duplicate					
Parameter	*MCL*	*Tap Water*								
	a	*b*								
Metals										
Aluminum (dissolved)	-	16000	-	200 U	200 U	-	-	-	200 U	-
Antimony (dissolved)	6	6	-	10 U	10 U	-	-	-	10 U	-
Arsenic (dissolved)	10	0.045	-	21[ab]	20[ab]	-	-	-	9.4 J[b]	-
Barium (dissolved)	2000	2900	-	800	700	-	-	-	240	-
Beryllium (dissolved)	4	16	-	5.0 U	5.0 U	-	-	-	5.0 U	-
Cadmium (dissolved)	5	6.9	-	2.0 U	2.0 U	-	-	-	2.0 U	-
Calcium (dissolved)	-	-	-	82000	81000	-	-	-	130000	-
Chromium (dissolved)	100	-	-	5.0 U	5.0 U	-	-	-	5.0 U	-
Cobalt (dissolved)	-	4.7	-	7.0 U	7.0 U	-	-	-	4.1 J	-
Copper (dissolved)	1300	620	-	25 U	25 U	-	-	-	25 U	-
Iron (dissolved)	-	11000	-	1500	1500	-	-	-	3100	-
Lead (dissolved)	15	-	-	3.0 U	3.0 U	-	-	-	3.0 U	-
Magnesium (dissolved)	-	-	-	51000	50000	-	-	-	57000	-
Manganese (dissolved)	-	320	-	100	100	-	-	-	480[b]	-
Mercury (dissolved)	2	0.63	-	0.20 U	0.20 U	-	-	-	0.20 U	-
Nickel (dissolved)	-	300	-	40 U	40 U	-	-	-	9.1 J	-
Potassium (dissolved)	-	-	-	23000	23000	-	-	-	21000	-
Selenium (dissolved)	50	78	-	5.0 U	5.0 U	-	-	-	5.0 U	-
Silver (dissolved)	-	71	-	5.0 U	5.0 U	-	-	-	5.0 U	-
Sodium (dissolved)	-	-	-	78000	77000	-	-	-	86000	-
Thallium (dissolved)	2	0.16	-	10 U	10 U	-	-	-	10 U	-
Vanadium (dissolved)	-	78	-	7.0 U	7.0 U	-	-	-	7.0 U	-
Zinc (dissolved)	-	4700	-	50 U	50 U	-	-	-	50 U	-
PCBs										
Aroclor-1016(PCB-1016)	-	0.96	-	-	-	-	-	-	-	-
Aroclor-1221(PCB-1221)	-	0.004	-	-	-	-	-	-	-	-
Aroclor-1232(PCB-1232)	-	0.004	-	-	-	-	-	-	-	-
Aroclor-1242(PCB-1242)	-	0.034	-	-	-	-	-	-	-	-
Aroclor-1248(PCB-1248)	-	0.034	-	-	-	-	-	-	-	-
Aroclor-1254(PCB-1254)	-	0.034	-	-	-	-	-	-	-	-
Aroclor-1260(PCB-1260)	-	0.034	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons										
Total Petroleum Hydrocarbons (C10-C20)	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C20-C34)	-	-	-	-	-	-	-	-	-	-

TABLE 1

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

Sample Location:			*BH91-13*	*BH92-13*	*BH93-13*	*Equipment Blank*	*Equipment Blank*	*Equipment Blank*	*Equipment Blank*	*Equipment Blank*	*Equipment Blank*
Sample ID:			*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-039*	*EB-38443-062013-SM-050*	*GW-38443-062613-SM-073*	*EB-38443-062813-SM-083*
Sample Date:			*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*
Sample Depth:	*USEPA Regional Screening Levels [1)]*		*27-31 ft BGS*	*21.8-25.8 ft BGS*	*20-24 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
1,1-Dichloroethane	-	2.4	1.0 U	5.2[b]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	7	260	1.0 U	1.0 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	70	0.99	1.0 U	1.0 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)	0.2	0.00032	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)	0.05	0.0065	1.0 U	1.0 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	600	280	1.0 U	1.0 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	5	0.15	1.0 U	1.0 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	5	0.38	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
1,3-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
1,4-Dichlorobenzene	75	0.42	1.0 U	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 (Methylethyl ketone) (MEK)	-	4900	10 U	1.4 J	2.3 J	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	-	34	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 UJ
4-Methyl-2-pentanone(Methyl isobutyl ketone) (MIBK)	-	1000	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	-	12000	10 U	3.6 J	1.4 J	1.3 J	10 U	10 U	10 U	10 U	10 U
Benzene	5	0.39	1.0 U	0.55 J[b]	0.62 J[b]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	80	0.12	1.0 U	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	80	7.9	1.0 U	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)	-	7	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
Carbon disulfide	-	720	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
Carbon tetrachloride	5	0.39	1.0 U	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	100	72	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
Chloroethane	-	21000	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
Chloroform (Trichloromethane)	80	0.19	1.0 U	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)	-	190	1.0 U	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	70	28	1.0 U	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
Cyclohexane	-	13000	1.0 U	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	80	0.15	1.0 U	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)	-	190	1.0 U	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	700	1.3	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
Isopropylbenzene	-	390	1.0 U	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	-	16000	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
Methyl tert butyl ether (MTBE)	-	12	1.0 U	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	5	9.9	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
Naphthalene	-	0.14	1.0 U	4.9[b]	1.2[b]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	100	1100	1.0 U	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	5	9.7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1000	860	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
trans-1,2-Dichloroethene	100	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
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
Trichloroethene	5	0.44	1.0 U	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)	-	1100	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
Trifluorotrichloroethane(Freon 113)	-	53000	1.0 U	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	2	0.015	1.0 U	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)	10000	190	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

TABLE 1

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

Sample Location:			*BH91-13*	*BH92-13*	*BH93-13*	*Equipment Blank*	*Equipment Blank*	*Equipment Blank*	*Equipment Blank*	*Equipment Blank*	*Equipment Blank*
Sample ID:			*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-039*	*EB-38443-062013-SM-050*	*GW-38443-062613-SM-073*	*EB-38443-062813-SM-083*
Sample Date:			*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*
Sample Depth:	*USEPA Regional Screening Levels [1)]*		*27-31 ft BGS*	*21.8-25.8 ft BGS*	*20-24 ft BGS*	-	-	-	-	-	-
Parameter	*MCL*	*Tap Water*									
	a	*b*									
Metals											
Aluminum (dissolved)	-	16000	-	-	-	-	-	-	-	200 U	-
Antimony (dissolved)	6	6	-	-	-	-	-	-	-	10 U	-
Arsenic (dissolved)	10	0.045	-	-	-	-	-	-	-	10 U	-
Barium (dissolved)	2000	2900	-	-	-	-	-	-	-	4.6 J	-
Beryllium (dissolved)	4	16	-	-	-	-	-	-	-	5.0 U	-
Cadmium (dissolved)	5	6.9	-	-	-	-	-	-	-	2.0 U	-
Calcium (dissolved)	-	-	-	-	-	-	-	-	-	5000 U	-
Chromium (dissolved)	100	-	-	-	-	-	-	-	-	3.1 J	-
Cobalt (dissolved)	-	4.7	-	-	-	-	-	-	-	7.0 U	-
Copper (dissolved)	1300	620	-	-	-	-	-	-	-	34	-
Iron (dissolved)	-	11000	-	-	-	-	-	-	-	330	-
Lead (dissolved)	15	-	-	-	-	-	-	-	-	7.4	-
Magnesium (dissolved)	-	-	-	-	-	-	-	-	-	280 J	-
Manganese (dissolved)	-	320	-	-	-	-	-	-	-	10 J	-
Mercury (dissolved)	2	0.63	-	-	-	-	-	-	-	0.20 U	-
Nickel (dissolved)	-	300	-	-	-	-	-	-	-	40 U	-
Potassium (dissolved)	-	-	-	-	-	-	-	-	-	370 J	-
Selenium (dissolved)	50	78	-	-	-	-	-	-	-	5.0 U	-
Silver (dissolved)	-	71	-	-	-	-	-	-	-	5.0 U	-
Sodium (dissolved)	-	-	-	-	-	-	-	-	-	1100 J	-
Thallium (dissolved)	2	0.16	-	-	-	-	-	-	-	10 U	-
Vanadium (dissolved)	-	78	-	-	-	-	-	-	-	7.0 U	-
Zinc (dissolved)	-	4700	-	-	-	-	-	-	-	38 J	-
PCBs											
Aroclor-1016(PCB-1016)	-	0.96	-	-	-	-	-	-	-	-	-
Aroclor-1221(PCB-1221)	-	0.004	-	-	-	-	-	-	-	-	-
Aroclor-1232(PCB-1232)	-	0.004	-	-	-	-	-	-	-	-	-
Aroclor-1242(PCB-1242)	-	0.034	-	-	-	-	-	-	-	-	-
Aroclor-1248(PCB-1248)	-	0.034	-	-	-	-	-	-	-	-	-
Aroclor-1254(PCB-1254)	-	0.034	-	-	-	-	-	-	-	-	-
Aroclor-1260(PCB-1260)	-	0.034	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons											
Total Petroleum Hydrocarbons (C10-C20)	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C20-C34)	-	-	-	-	-	-	-	-	-	-	-

TABLE 1

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

Sample Location:			*Rinse Blank*	*Rinse Blank*	*Rinse Blank*	*Rinse Blank*	*Trip Blank*	*Trip Blank*	*Trip Blank*	*Trip Blank*	*Trip Blank*
Sample ID:			*RB-38443-061113-GL-004*	*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*
Sample Date:			*6/11/2013*	*7/2/2013*	*7/8/2013*	*7/9/2013*	*6/11/2013*	*6/12/2013*	*6/13/2013*	*6/14/2013*	*6/19/2013*
Sample Depth:	*USEPA Regional Screening Levels [1][2]*		-	-	-	-	-	-	-	-	-
Parameter	*MCL a*	*Tap Water 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
1,1-Dichloroethane	-	2.4	1.0 U	1.0 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	7	260	1.0 U	1.0 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	70	0.99	1.0 U	1.0 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)	0.2	0.00032	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)	0.05	0.0065	1.0 U	1.0 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	600	280	1.0 U	1.0 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	5	0.15	1.0 U	1.0 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	5	0.38	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
1,3-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
1,4-Dichlorobenzene	75	0.42	1.0 U	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)	-	4900	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	-	34	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)	-	1000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	-	12000	2.8 J	10 U	10 U	10 U	1.1 J	10 U	1.2 J	10 U	10 U
Benzene	5	0.39	1.0 U	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	80	0.12	1.0 U	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	80	7.9	1.0 U	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)	-	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	1.0 U
Carbon disulfide	-	720	0.30 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
Carbon tetrachloride	5	0.39	1.0 U	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	100	72	1.0 U	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	-	21000	1.0 U	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)	80	0.19	1.0 U	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)	-	190	1.0 U	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	70	28	1.0 U	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
Cyclohexane	-	13000	1.0 U	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	80	0.15	1.0 U	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)	-	190	1.0 U	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	700	1.3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropylbenzene	-	390	1.0 U	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	-	16000	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
Methyl tert butyl ether (MTBE)	-	12	1.0 U	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	5	9.9	1.0 U	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	-	0.14	1.0 U	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	100	1100	1.0 U	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	5	9.7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1000	860	1.0 U	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	100	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
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
Trichloroethene	5	0.44	1.0 U	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)	-	1100	1.0 U	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)	-	53000	1.0 U	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	2	0.015	1.0 U	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)	10000	190	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 1

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

Sample Location:			*Rinse Blank*	*Rinse Blank*	*Rinse Blank*	*Rinse Blank*	*Trip Blank*	*Trip Blank*	*Trip Blank*	*Trip Blank*	*Trip Blank*
Sample ID:			*RB-38443-061113-GL-004*	*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*
Sample Date:			*6/11/2013*	*7/2/2013*	*7/8/2013*	*7/9/2013*	*6/11/2013*	*6/12/2013*	*6/13/2013*	*6/14/2013*	*6/19/2013*
Sample Depth:	*USEPA Regional Screening Levels [1][1]*		-	-	-	-	-	-	-	-	-
Parameter	*MCL*	*Tap Water*									
	a	*b*									
Metals											
Aluminum (dissolved)	-	16000	-	-	-	-	-	-	-	-	-
Antimony (dissolved)	6	6	-	-	-	-	-	-	-	-	-
Arsenic (dissolved)	10	0.045	-	-	-	-	-	-	-	-	-
Barium (dissolved)	2000	2900	-	-	-	-	-	-	-	-	-
Beryllium (dissolved)	4	16	-	-	-	-	-	-	-	-	-
Cadmium (dissolved)	5	6.9	-	-	-	-	-	-	-	-	-
Calcium (dissolved)	-	-	-	-	-	-	-	-	-	-	-
Chromium (dissolved)	100	-	-	-	-	-	-	-	-	-	-
Cobalt (dissolved)	-	4.7	-	-	-	-	-	-	-	-	-
Copper (dissolved)	1300	620	-	-	-	-	-	-	-	-	-
Iron (dissolved)	-	11000	-	-	-	-	-	-	-	-	-
Lead (dissolved)	15	-	-	-	-	-	-	-	-	-	-
Magnesium (dissolved)	-	-	-	-	-	-	-	-	-	-	-
Manganese (dissolved)	-	320	-	-	-	-	-	-	-	-	-
Mercury (dissolved)	2	0.63	-	-	-	-	-	-	-	-	-
Nickel (dissolved)	-	300	-	-	-	-	-	-	-	-	-
Potassium (dissolved)	-	-	-	-	-	-	-	-	-	-	-
Selenium (dissolved)	50	78	-	-	-	-	-	-	-	-	-
Silver (dissolved)	-	71	-	-	-	-	-	-	-	-	-
Sodium (dissolved)	-	-	-	-	-	-	-	-	-	-	-
Thallium (dissolved)	2	0.16	-	-	-	-	-	-	-	-	-
Vanadium (dissolved)	-	78	-	-	-	-	-	-	-	-	-
Zinc (dissolved)	-	4700	-	-	-	-	-	-	-	-	-
PCBs											
Aroclor-1016 (PCB-1016)	-	0.96	-	-	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	-	0.004	-	-	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	-	0.004	-	-	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	-	0.034	-	-	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	-	0.034	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	0.034	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	0.034	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons											
Total Petroleum Hydrocarbons (C10-C20)	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C20-C34)	-	-	-	-	-	-	-	-	-	-	-

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*	*Trip Blank*	*Trip Blank*	*Trip Blank*	*Trip Blank*
Sample ID:			*TB-38443-062113-SM*	*TB-38443-062513-SM*	*TB-38443-062613-SM*	*TB-38443-062813-SM*	*TB-38443-070113-SK*	*TB-38443-070313-SK*	*TRIPBLANK-JT-001*
Sample Date:			*6/21/2013*	*6/25/2013*	*6/26/2013*	*6/28/2013*	*7/1/2013*	*7/3/2013*	*7/8/2013*
Sample Depth:	*USEPA Regional Screening Levels* [1,2]		-	-	-	-	-	-	-
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
1,1,2,2-Tetrachloroethane	-	0.066	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-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
1,1-Dichloroethane	-	2.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	7	260	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	70	0.99	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)	0.2	0.00032	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)	0.05	0.0065	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	600	280	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	5	0.15	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	5	0.38	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
1,4-Dichlorobenzene	75	0.42	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)	-	4900	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	-	34	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone(Methyl isobutyl ketone) (MIBK)	-	1000	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	-	12000	10 U	10 U	10 U	10 U	2.3 J	1.4 J	10 U
Benzene	5	0.39	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	80	0.12	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	80	7.9	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	-	7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon disulfide	-	720	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	5	0.39	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	100	72	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	-	21000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	80	0.19	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane (Methyl chloride)	-	190	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	70	28	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
Cyclohexane	-	13000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	80	0.15	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	-	190	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	700	1.3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropyl benzene	-	390	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl acetate	-	16000	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
Methyl tert butyl ether (MTBE)	-	12	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene chloride	5	9.9	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Naphthalene	-	0.14	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	100	1100	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5	9.7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1000	860	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	100	86	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
Trichloroethene	5	0.44	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane(CFC-11)	-	1100	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trifluorotrichloroethane(Freon 113)	-	53000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	2	0.015	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes (total)	10000	190	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 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:			*Trip Blank*	*Trip Blank*	*Trip Blank*	*Trip Blank*	*Trip Blank*	*Trip Blank*	*Trip Blank*
Sample ID:			*TB-38443-062113-SM*	*TB-38443-062513-SM*	*TB-38443-062613-SM*	*TB-38443-062813-SM*	*TB-38443-070113-SK*	*TB-38443-070313-SK*	*TRIPBLANK-JT-001*
Sample Date:			*6/21/2013*	*6/25/2013*	*6/26/2013*	*6/28/2013*	*7/1/2013*	*7/3/2013*	*7/8/2013*
Sample Depth:	*USEPA Regional Screening Levels [1]*		-	-	-	-	-	-	-
Parameter	*MCL*	*Tap Water*							
	a	*b*							
Metals									
Aluminum (dissolved)	-	16000	-	-	-	-	-	-	-
Antimony (dissolved)	6	6	-	-	-	-	-	-	-
Arsenic (dissolved)	10	0.045	-	-	-	-	-	-	-
Barium (dissolved)	2000	2900	-	-	-	-	-	-	-
Beryllium (dissolved)	4	16	-	-	-	-	-	-	-
Cadmium (dissolved)	5	6.9	-	-	-	-	-	-	-
Calcium (dissolved)	-	-	-	-	-	-	-	-	-
Chromium (dissolved)	100	-	-	-	-	-	-	-	-
Cobalt (dissolved)	-	4.7	-	-	-	-	-	-	-
Copper (dissolved)	1300	620	-	-	-	-	-	-	-
Iron (dissolved)	-	11000	-	-	-	-	-	-	-
Lead (dissolved)	15	-	-	-	-	-	-	-	-
Magnesium (dissolved)	-	-	-	-	-	-	-	-	-
Manganese (dissolved)	-	320	-	-	-	-	-	-	-
Mercury (dissolved)	2	0.63	-	-	-	-	-	-	-
Nickel (dissolved)	-	300	-	-	-	-	-	-	-
Potassium (dissolved)	-	-	-	-	-	-	-	-	-
Selenium (dissolved)	50	78	-	-	-	-	-	-	-
Silver (dissolved)	-	71	-	-	-	-	-	-	-
Sodium (dissolved)	-	-	-	-	-	-	-	-	-
Thallium (dissolved)	2	0.16	-	-	-	-	-	-	-
Vanadium (dissolved)	-	78	-	-	-	-	-	-	-
Zinc (dissolved)	-	4700	-	-	-	-	-	-	-
PCBs									
Aroclor-1016(PCB-1016)	-	0.96	-	-	-	-	-	-	-
Aroclor-1221(PCB-1221)	-	0.004	-	-	-	-	-	-	-
Aroclor-1232(PCB-1232)	-	0.004	-	-	-	-	-	-	-
Aroclor-1242(PCB-1242)	-	0.034	-	-	-	-	-	-	-
Aroclor-1248(PCB-1248)	-	0.034	-	-	-	-	-	-	-
Aroclor-1254(PCB-1254)	-	0.034	-	-	-	-	-	-	-
Aroclor-1260(PCB-1260)	-	0.034	-	-	-	-	-	-	-
Petroleum Hydrocarbons									
Total Petroleum Hydrocarbons (C10-C20)	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C20-C34)	-	-	-	-	-	-	-	-	-

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*	*22-26 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 c*	*Protection of Industrial IA 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	11210.63	1.0 U	1.0 U	1.0 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(Methylethylketone)(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(Methylisobutylketone)(MIBK)	549480.29	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(Methylbromide)	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	96958.56	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(Methylchloride)	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
Isopropylbenzene	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
Methylacetate	-	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylcyclohexane	-	-	1.0 U	1.0 U	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[b]	0.71 J	0.43 J	1.9[b]	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

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*	*22-26 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 c*	*Protection of Industrial IA d*										
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)	-	-	120 J	130 J	-	430	-	-	-	-	-	-
Beryllium (dissolved)	-	-	5.0 U	5.0 U	-	5.0 U	-	-	-	-	-	-
Cadmium (dissolved)	-	-	2.0 U	2.0 U	-	2.0 U	-	-	-	-	-	-
Calcium (dissolved)	-	-	140000	140000	-	160000	-	-	-	-	-	-
Chromium (dissolved)	-	-	5.0 U	5.0 U	-	5.0 U	-	-	-	-	-	-
Cobalt (dissolved)	-	-	7.0 U	2.7 J	-	7.0 U	-	-	-	-	-	-
Copper (dissolved)	-	-	25 U	25 U	-	25 U	-	-	-	-	-	-
Iron (dissolved)	-	-	700	540	-	110	-	-	-	-	-	-
Lead (dissolved)	-	-	3.0 U	3.0 U	-	3.0 U	-	-	-	-	-	-
Magnesium (dissolved)	-	-	48000	44000	-	52000	-	-	-	-	-	-
Manganese (dissolved)	-	-	120	310	-	370	-	-	-	-	-	-
Mercury (dissolved)	0.66	2.78	0.20 U	0.20 U	-	0.20 U	-	-	-	-	-	-
Nickel (dissolved)	-	-	6.5 J	8.6 J	-	15 J	-	-	-	-	-	-
Potassium (dissolved)	-	-	8400	9000	-	10000	-	-	-	-	-	-
Selenium (dissolved)	-	-	26	24	-	6.6	-	-	-	-	-	-
Silver (dissolved)	-	-	5.0 U	5.0 U	-	5.0 U	-	-	-	-	-	-
Sodium (dissolved)	-	-	130000	130000	-	120000	-	-	-	-	-	-
Thallium (dissolved)	-	-	10 U	10 U	-	10 U	-	-	-	-	-	-
Vanadium (dissolved)	-	-	7.0 U	7.0 U	-	7.0 U	-	-	-	-	-	-
Zinc (dissolved)	-	-	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

Sample Location:			*BH11-13*	*BH12-13*	*BH13-13*	*BH14-13*	*BH15-13*	*BH16-13*	*BH16-13*	*BH16-13*	*BH17-13*	*BH17-13*
Sample ID:			*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*	*GW-38443-061213-SM-010*	*GW-38443-071013-JT-107*
Sample Date:			*6/11/2013*	*6/11/2013*	*6/12/2013*	*6/11/2013*	*6/12/2013*	*6/12/2013*	*6/12/2013*	*7/10/2013*	*6/12/2013*	*7/10/2013*
Sample Depth:			*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*	*21.5-25.5 ft BGS*	*29.5-33.5 ft BGS*
									Duplicate			
Parameter	*Protection of Residential IA c*	*Protection of Industrial IA d*										
Volatile Organic Compounds												
1,1,1-Trichloroethane	7394.88	31280.05	1.0 U	0.26 J	0.53 J	0.32 J	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	2.9 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	2.0 UJ	1.0 U	2.9 UJ
1,1,2-Trichloroethane	4.45	22.66	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	2.9 U
1,1-Dichloroethane	6.53	33.51	0.31 J	1.0 U	1.0 U	1.0 U	0.26 J	1.0 U	1.0 U	2.0 U	1.0 U	2.9 U
1,1-Dichloroethene	196.88	824.71	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.47 J	1.0 U	1.1 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	2.0 U	1.0 U	2.9 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	4.0 U	2.0 U	5.7 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	2.0 U	1.0 U	2.9 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	2.0 U	1.0 U	2.9 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	2.0 U	1.0 U	2.9 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	2.0 U	1.0 U	2.9 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	2.0 U	1.0 U	2.9 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	2.0 U	1.0 U	2.9 U
2-Butanone(Methylethyl ketone)(MEK)	2235405.38	9457484.31	10 U	10 U	10 U	10 U	10 U	10 U	10 U	4.7 J	10 U	29 U
2-Hexanone	8135.84	34118.05	10 U	10 U	10 U	10 U	10 U	10 U	10 U	20 UJ	10 U	29 UJ
4-Methyl-2-pentanone(Methylisobutyl ketone)(MIBK)	549460.29	2304188.31	10 U	10 U	10 U	10 U	10 U	10 U	10 U	20 UJ	10 U	29 UJ
Acetone	22363547.42	97840519.95	10 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U	10 U	29 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	2.0 U	1.0 U	2.9 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	2.0 U	1.0 U	2.9 U
Bromoform	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	2.9 U
Bromomethane(Methylbromide)	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	2.0 UJ	1.0 U	2.9 UJ
Carbon disulfide	1239.99	5205.69	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	2.9 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	2.0 UJ	1.0 U	2.9 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	2.0 U	1.0 U	2.9 U
Chloroethane	22036.04	96958.56	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	2.9 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	2.0 U	1.0 U	2.9 U
Chloromethane(Methylchloride)	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	2.0 U	1.0 U	2.9 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	15	1.0 U	27
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	2.0 U	1.0 U	2.9 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	2.0 U	1.0 U	2.9 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	2.0 U	1.0 U	2.9 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	2.0 U	1.0 U	2.9 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	2.0 U	1.0 U	2.9 U
Isopropylbenzene	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	2.0 U	1.0 U	2.9 U
Methylacetate	-	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	20 UJ	10 U	29 UJ
Methylcyclohexane	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	2.9 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	2.0 U	1.0 U	2.9 U
Methylenechloride	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	2.0 U	1.0 U	2.9 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	2.0 U	1.0 U	2.9 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	2.0 U	1.0 U	2.9 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	2.0 U	1.0 U	2.9 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	2.0 U	1.0 U	2.9 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	0.72 J	1.0 U	1.9 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	2.0 U	1.0 U	2.9 U
Trichloroethene	1.07	7.46	1.0 U	1.0 U	1.0 U	0.27 J	1.0 U	0.93 J	0.96 J	79^{ad}	0.56 J	94^{ad}
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	2.0 UJ	1.0 U	2.9 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	2.0 UJ	1.0 U	2.9 UJ
Vinylchloride	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	2.0 U	1.0 U	2.9 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	4.0 U	2.0 U	5.7 U

TABLE 2

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

Sample Location:			*BH11-13*	*BH12-13*	*BH13-13*	*BH14-13*	*BH15-13*	*BH16-13*	*BH16-13*	*BH16-13*	*BH17-13*	*BH17-13*
Sample ID:			*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*	*GW-38443-061213-SM-010*	*GW-38443-071013-JT-107*
Sample Date:			*6/11/2013*	*6/11/2013*	*6/12/2013*	*6/11/2013*	*6/12/2013*	*6/12/2013*	*6/12/2013*	*7/10/2013*	*6/12/2013*	*7/10/2013*
Sample Depth:			*21.5-25.5ft BGS*	*21.5-25.5ft BGS*	*21.5-25.5ft BGS*	*21.5-25.5ft BGS*	*21.5-25.5ft BGS*	*21.5-25.5ft BGS*	*21.5-25.5ft BGS*	*29.5-33.5ft BGS*	*21.5-25.5ft BGS*	*29.5-33.5ft BGS*
									Duplicate			
Parameter	*Protection of Residential IA c*	*Protection of Industrial IA d*										
Metals												
Aluminum (dissolved)	-	-	200 U	-	-	-	-	-	-	-	-	-
Antimony (dissolved)	-	-	1.0 U	-	-	-	-	-	-	-	-	-
Arsenic (dissolved)	-	-	1.0 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)	-	-	1.0 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

Sample Location:			*BH18-13*	*BH18-13*	*BH18-13*	*BH19-13*	*BH20-13*	*BH20-13*	*BH21-13*	*BH22-13*	*BH23-13*	*BH24-13*
Sample ID:			*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*	*WG-38443-061813-SM-027*
Sample Date:			*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*	*6/18/2013*
Sample Depth:			*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*	*20.6-24.6 ft BGS*
					Duplicate			*Duplicate*				
Parameter	*Protection of Residential IA c*	*Protection of Industrial IA d*										
Volatile Organic Compounds												
1,1,1-Trichloroethane	7394.88	31280.05	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	22.66	1.0 U	1.0 U	1.0 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	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	1.0 U
1,1-Dichloroethene	196.88	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(Methylethyl ketone)(MEK)	2235405.38	9457484.31	10 U	10 U	2.7 J	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 UJ	10 U	10 U	10 U	10 U	10 UJ	10 U	10 UJ
4-Methyl-2-pentanone(Methylisobutyl ketone)(MIBK)	549460.29	2304188.31	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	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	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
Bromoform	-	-	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	1.0 U
Bromomethane(Methylbromide)	17.33	73.31	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	1.0 UJ
Carbon disulfide	1239.99	5205.69	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	96958.56	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	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
Chloromethane(Methylchloride)	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	-	-	3.1	4.4	4.3	3.5	1.0	1.0	0.52 J	1.1	0.37 J	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	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	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropylbenzene	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
Methylacetate	-	-	10 U	10 U	10 U	0.38 J	10 U	10 U	10 U	10 U	10 U	10 U
Methylcyclohexane	-	-	1.0 U	1.0 U	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
Methylenechloride	722.51	9031.38	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	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 UJ	1.0 U	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
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
Toluene	19155.42	81042.17	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	1.0 U
trans-1,2-Dichloroethene	377.69	1558.73	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	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	7.46	3.4[e]	8.8[ed]	8.2[ed]	1.8[e]	1.8[e]	1.8[e]	1.0 U	0.72 J	0.79 J	1.7[e]
Trichlorofluoromethane(CFC-11)	184.08	781.71	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	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
Vinylchloride	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	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

Sample Location:			*BH18-13*	*BH18-13*	*BH18-13*	*BH19-13*	*BH20-13*	*BH20-13*	*BH21-13*	*BH22-13*	*BH23-13*	*BH24-13*
Sample ID:			*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*	*WG-38443-061813-SM-027*
Sample Date:			*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*	*6/18/2013*
Sample Depth:			*21.5-25.5ft BGS*	*29.5-33.5ft BGS*	*29.5-33.5ft BGS*	*19.25-23.25ft BGS*	*20.5-24.5ft BGS*	*20.5-24.5ft BGS*	*19.25-23.25ft BGS*	*21.5-25.5ft BGS*	*20.5-24.5ft BGS*	*20.6-24.6ft BGS*
					Duplicate			*Duplicate*				
Parameter	*Protection of Residential IA c*	*Protection of Industrial IA d*										
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	780	-	-	-	-	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)	-	-	96000	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

Sample Location:			*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-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*	*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*	*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 c*	*Protection of Industrial IA d*										
Volatile Organic Compounds												
1,1,1-Trichloroethane	7394.88	31286.05	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	1.4 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	1.4 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	1.4 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	1.4 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	1.4 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	2.9 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	1.4 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	1.4 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	1.4 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	1.4 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	1.4 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	1.4 U	2.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U
2-Butanone(Methylethylketone)(MEK)	2235405.38	9457484.31	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	14 U	20 U	10 U	10 U	50 U	10 U	10 UJ	10 U
4-Methyl-2-pentanone(Methylisobutylketone)(MIBK)	549460.29	2304188.31	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	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	0.19 J	0.31 J	1.0 U	1.0 U	80^{ad}	0.49 J	1.0 U	1.0 U
Bromodichloromethane	0.76	3.81	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	1.4 U	2.0 U	1.0 U	1.0 U	5.0 UJ	1.0 UJ	1.0 U	1.0 U
Bromomethane(Methylbromide)	17.33	73.31	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	1.4 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	1.4 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	1.4 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	96956.56	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	1.4 U	2.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U
Chloromethane(Methylchloride)	260.68	1081.56	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	-	-	0.46 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	1.4 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	1.4 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	1.4 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	1.4 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	1.4 U	2.0 U	1.0 U	1.0 U	100^{ad}	1.0 U	1.0 U	1.0 U
Isopropylbenzene	893.32	3828.52	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
Methylacetate	-	-	10 U	10 U	14 U	20 U	10 U	10 U	50 U	10 U	10 U	10 U
Methylcyclohexane	-	-	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)	391.09	1958.46	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	1.4 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	1.4 U	2.0 U	1.0 U	1.0 U	5.1^{a}	1.0 U	1.0 U	1.0 U
Styrene	8894.54	39135.98	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	1.4 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	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	377.09	1558.73	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	1.4 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	2.0^{c}	1.3^{a}	39^{ad}	87^{ad}	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	1.4 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	1.4 U	2.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U
Vinylchloride	0.14	2.46	1.0 U	1.0 U	1.4 U	9.4^{ad}	1.0 U	1.0 U	$1.1 J^{d}$	1.1^{ad}	2.2^{d}	2.3^{d}
Xylenes(total)	472.20	2077.68	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

Sample Location:			*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-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*	*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*	*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 c*	*Protection of Industrial IA d*										
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	-	-	-	-	-	-	85000
Thallium (dissolved)	-	-	-	5.1 J	10 U	-	-	-	-	-	-	8.7 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

Sample Location:			*BH37-13*	*BH38-13*	*BH39-13*	*BH40-13*	*BH42-13*	*BH43-13*	*BH44-13*	*BH46-13*	*BH46B-13*	*BH48B-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*
Sample Date:			*7/3/2013*	*6/28/2013*	*7/1/2013*	*7/2/2013*	*7/8/2013*	*7/2/2013*	*7/2/2013*	*7/2/2013*	*7/3/2013*	*7/8/2013*
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*
Parameter	*Protection of Residential IA c*	*Protection of Industrial IA 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
1,1,2,2-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
1,1,2-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
1,1-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
1,1-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
1,2,4-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
1,2-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
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
1,2-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
1,2-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
1,2-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
1,3-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
1,4-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
2-Butanone(Methylethylketone) (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
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
4-Methyl-2-pentanone(Methylisobutylketone) (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
Acetone	22363647.42	97840519.95	10 U	10 U	10 U	10 U	10 U	10 U	10 U	110 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[ad]	1.0 U	0.61 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	11 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
Bromomethane(Methylbromide)	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
Carbon disulfide	1239.99	5265.89	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
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
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
Chloroethane	22036.04	96958.56	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
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
Chloromethane(Methylchloride)	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
cis-1,2-Dichloroethene	-	-	4.7	2.6	8.6	2.0	1.0 U	27	1.7	2.8 J	1.0 U	2.5
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
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
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
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
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[g]	1.0 U	1.0 U
Isopropylbenzene	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
Methylacetate	-	-	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	110 U	10 U	10 U
Methylcyclohexane	-	-	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
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
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
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
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
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
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
trans-1,2-Dichloroethene	377.89	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
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
Trichloroethene	1.07	7.45	1.0 U	1.0 U	1.0	0.56 J	1.0 U	6.1[a]	1.9[c]	11 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
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
Vinylchloride	0.14	2.46	7.7[ad]	1.9[f]	3.9[ad]	0.25 J[f]	3.5[ad]	6.2[ad]	0.28 J[f]	11 U	1.0 U	2.9[ad]
Xylenes(total)	472.20	2077.88	2.0 U	2.2	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	38	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

Sample Location:			*BH37-13*	*BH38-13*	*BH39-13*	*BH40-13*	*BH42-13*	*BH43-13*	*BH44-13*	*BH46-13*	*BH46B-13*	*BH48B-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-38443-070213-9K-090*	*GW-38443-070213-SK-091*	*GW-38443-070213-SK-092*	*GW-38443-070313-SK-096*	*GW-38443-070813-JT-099*
Sample Date:			*7/3/2013*	*6/28/2013*	*7/1/2013*	*7/2/2013*	*7/8/2013*	*7/2/2013*	*7/2/2013*	*7/2/2013*	*7/3/2013*	*7/8/2013*
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*
Parameter	*Protection of Residential IA c*	*Protection of Industrial IA d*										
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	-	-	-	5.1 J	10 U	11
Barium (dissolved)	-	-	-	-	-	630	-	-	-	830	570	660
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)	-	-	-	-	-	130000	-	-	-	160000	150000	150000
Chromium (dissolved)	-	-	-	-	-	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
Copper (dissolved)	-	-	-	-	-	25 U	-	-	-	25 U	8.3 J	25 U
Iron (dissolved)	-	-	-	-	-	2600	-	-	-	24000	2400	12000
Lead (dissolved)	-	-	-	-	-	3.0 U	-	-	-	3.0 U	3.0 U	3.0 U
Magnesium (dissolved)	-	-	-	-	-	70000	-	-	-	48000	49000	43000
Manganese (dissolved)	-	-	-	-	-	720	-	-	-	280	1000	230
Mercury (dissolved)	0.66	2.78	-	-	-	0.20 U	-	-	-	0.20 U	0.20 U	0.20 U
Nickel (dissolved)	-	-	-	-	-	7.3 J	-	-	-	40 U	40 U	4.2 J
Potassium (dissolved)	-	-	-	-	-	20000 J	-	-	-	17000 J	11000	8500
Selenium (dissolved)	-	-	-	-	-	5.0 U	-	-	-	5.0 U	8.0	5.0 U
Silver (dissolved)	-	-	-	-	-	5.0 U	-	-	-	5.0 U	5.0 U	5.0 U
Sodium (dissolved)	-	-	-	-	-	73000	-	-	-	100000	100000	83000
Thallium (dissolved)	-	-	-	-	-	5.0 J	-	-	-	4.9 J	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	51
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
Total Petroleum Hydrocarbons(C20-C34)	-	-	-	-	-	-	-	-	-	-	-	480 U

TABLE 2

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

Sample Location:			*BH49-13*	*BH51-13*	*BH52-13*	*BH53-13*	*BH54-13*	*BH55-13*	*BH56-13*	*BH57-13*	*BH57-13*	*BH58-13*
Sample ID:			*WG-38443-061813-SM-032*	*WG-38443-062113-SM-058*	*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*
Sample Date:			*6/18/2013*	*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*
Sample Depth:			*21.5-25.5 ft BGS*	*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 Duplicate*	*24.5-28.5 ft BGS*
Parameter	*Protection of Residential IA c*	*Protection of Industrial IA 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	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
1,2,4-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(Methylethyl 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 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U
4-Methyl-2-pentanone(Methyl isobutyl ketone)(MIBK)	549460.29	2304188.31	10 U	0.34 J	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	1.3 J	10 U	10 U	10 U	1.1 J	10 U	2.0 J	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
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 U	1.0 U	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(Methylbromide)	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
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	96958.56	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
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
Chloromethane(Methylchloride)	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	-	-	0.33 J	1.0 U	5.8	0.52 J	0.17 J	2.5	0.96 J	4.1	4.1	0.29 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
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	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
Isopropylbenzene	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
Methylacetate	-	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylcyclohexane	-	-	1.0 U	1.0 U	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)	391.09	1968.46	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 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
Naphthalene	4.00	20.01	1.0 U	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
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	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	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
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	1.0 U	1.0 U	0.40 J	2.0[e]	0.58 J	2.1[e]	0.71 J	0.95 J	0.95 J	1.0 U
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
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
Vinylchloride	0.14	2.46	1.0 U	1.0 U	0.73 J[e]	1.0 U	1.0 U	0.46 J[e]	1.0 U	0.48 J[e]	0.40 J[e]	1.0 U
Xylenes(total)	472.20	2077.68	2.0 U	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

TABLE 2

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

Sample Location:			*BH49-13*	*BH51-13*	*BH52-13*	*BH53-13*	*BH54-13*	*BH55-13*	*BH56-13*	*BH57-13*	*BH57-13*	*BH58-13*
Sample ID:			*WG-38443-061813-SM-032*	*WG-38443-062113-SM-058*	*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*
Sample Date:			*6/18/2013*	*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*
Sample Depth:			*21.5-25.5ft BGS*	*22.5-26.5ft BGS*	*24.8-28.8ft BGS*	*22-26ft BGS*	*21.5-25.5ft BGS*	*25.5-29.5ft BGS*	*24-28ft BGS*	*24-28ft BGS*	*24-28ft BGS*	*24.5-28.5ft BGS*
											Duplicate	
Parameter	*Protection of Residential IA e*	*Protection of Industrial IA d*										
Metals												
Aluminum (dissolved)	-	-	200 U	-	-	-	-	-	-	-	-	-
Antimony (dissolved)	-	-	10 U	-	-	-	-	-	-	-	-	-
Arsenic (dissolved)	-	-	6.0 J	-	-	-	-	-	-	-	-	-
Barium (dissolved)	-	-	1700	-	-	-	-	-	-	-	-	-
Beryllium (dissolved)	-	-	5.0 U	-	-	-	-	-	-	-	-	-
Cadmium (dissolved)	-	-	2.0 U	-	-	-	-	-	-	-	-	-
Calcium (dissolved)	-	-	170000	-	-	-	-	-	-	-	-	-
Chromium (dissolved)	-	-	5.0 U	-	-	-	-	-	-	-	-	-
Cobalt (dissolved)	-	-	7.0 U	-	-	-	-	-	-	-	-	-
Copper (dissolved)	-	-	25 U	-	-	-	-	-	-	-	-	-
Iron (dissolved)	-	-	8400	-	-	-	-	-	-	-	-	-
Lead (dissolved)	-	-	3.0 U	-	-	-	-	-	-	-	-	-
Magnesium (dissolved)	-	-	57000	-	-	-	-	-	-	-	-	-
Manganese (dissolved)	-	-	440	-	-	-	-	-	-	-	-	-
Mercury (dissolved)	0.66	2.78	0.20 U	-	-	-	-	-	-	-	-	-
Nickel (dissolved)	-	-	4.4 J	-	-	-	-	-	-	-	-	-
Potassium (dissolved)	-	-	14000	-	-	-	-	-	-	-	-	-
Selenium (dissolved)	-	-	5.0 U	-	-	-	-	-	-	-	-	-
Silver (dissolved)	-	-	5.0 U	-	-	-	-	-	-	-	-	-
Sodium (dissolved)	-	-	120000	-	-	-	-	-	-	-	-	-
Thallium (dissolved)	-	-	5.9 J	-	-	-	-	-	-	-	-	-
Vanadium (dissolved)	-	-	7.0 U	-	-	-	-	-	-	-	-	-
Zinc (dissolved)	-	-	50 U	-	-	-	-	-	-	-	-	-
PCBs												
Aroclor-1016(PCB-1016)	-	-	-	-	-	-	-	-	-	0.49 UJ	0.49 UJ	0.52 UJ
Aroclor-1221(PCB-1221)	0.14	0.70	-	-	-	-	-	-	-	0.49 UJ	0.49 UJ	0.52 UJ
Aroclor-1232(PCB-1232)	0.14	0.70	-	-	-	-	-	-	-	0.49 UJ	0.49 UJ	0.52 UJ
Aroclor-1242(PCB-1242)	-	-	-	-	-	-	-	-	-	0.49 UJ	0.49 UJ	0.52 UJ
Aroclor-1248(PCB-1248)	-	-	-	-	-	-	-	-	-	0.49 UJ	0.49 UJ	0.52 UJ
Aroclor-1254(PCB-1254)	-	-	-	-	-	-	-	-	-	0.49 UJ	0.49 UJ	0.52 UJ
Aroclor-1260(PCB-1260)	-	-	-	-	-	-	-	-	-	0.49 UJ	0.49 UJ	0.52 UJ
Petroleum Hydrocarbons												
Total Petroleum Hydrocarbons(C10-C20)	-	-	540 UJ	530 U	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons(C20-C34)	-	-	540 UJ	530 U	-	-	-	-	-	-	-	-

TABLE 2

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

Sample Location:			*BH59-13*	*BH60-13*	*BH61-13*	*BH62-13*	*BH63-13*	*BH64-13*	*BH65-13*	*BH66-13*	*BH67-13*	*BH68-13*
Sample ID:			*WG-38443-061913-SM-040*	*WG-38443-061913-SM-045*	*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*
Sample Date:			*6/19/2013*	*6/19/2013*	*6/19/2013*	*6/19/2013*	*6/20/2013*	*6/19/2013*	*6/20/2013*	*6/26/2013*	*6/20/2013*	*6/20/2013*
Sample Depth:			*23.5-27.5 ft BGS*	*23-27 ft BGS*	*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*
Parameter	*Protection of Residential IA c*	*Protection of Industrial IA 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	0.53 J	0.55 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(Methylethyl ketone)(MEK)	2235405.38	9457484.31	10 U	10 U	10 U	3.0 J	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	8135.84	34118.05	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ	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	2.2 J	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	22363547.42	97840519.95	10 U	10 U	10 U	2.4 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
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 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 U
Bromomethane(Methylbromide)	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 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	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	0.20 J	0.48 J	0.88 J
Chloroethane	22036.04	96958.56	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
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
Chloromethane(Methylchloride)	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	-	-	0.68 J	0.81 J	0.73 J	1.0 U	0.90 J	0.88 J	1.8	2.0	1.0	1.4
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	0.86 J	1.0 U	1.0 U	1.0 U	0.39 J	0.67 J	1.0 U
Isopropylbenzene	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
Methylacetate	-	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylcyclohexane	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.17 J	1.0 U	1.0 U
Methyl tert butyl ether (MTBE)	391.09	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 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 UJ
Naphthalene	4.00	20.01	1.0 UJ	1.0 UJ	1.0 UJ	0.43 J	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 UJ
Styrene	8884.54	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	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	0.14 J	1.0 U	1.0 U	0.50 J	0.22 J	1.0 U	1.0 U	1.0 U	1.0 U	0.17 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	1.6[a]	1.3[a]	0.80 J	1.0 U	0.70 J	1.1[a]	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 UJ	1.0 UJ	1.0 UJ	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 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinylchloride	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	0.29 J[a]	0.57 J[a]	1.0 U
Xylenes(total)	472.20	2077.68	2.0 U	2.0 U	2.0 U	7.3	2.0 U	2.0 U	2.0 U	0.64 J	0.30 J	2.0 U

TABLE 2

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

Sample Location:			*BH59-13*	*BH60-13*	*BH61-13*	*BH62-13*	*BH63-13*	*BH64-13*	*BH65-13*	*BH66-13*	*BH67-13*	*BH68-13*
Sample ID:			*WG-38443-061913-SM-040*	*WG-38443-061913-SM-045*	*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*
Sample Date:			*6/19/2013*	*6/19/2013*	*6/19/2013*	*6/19/2013*	*6/20/2013*	*6/19/2013*	*6/20/2013*	*6/26/2013*	*6/20/2013*	*6/20/2013*
Sample Depth:			*23.5-27.5 ft BGS*	*23-27 ft BGS*	*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*
Parameter	*Protection of Residential IA e*	*Protection of Industrial IA d*										
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)	-	-	0.52 UJ	0.49 UJ	0.51 UJ	0.51 UJ	0.50 U	0.49 UJ	0.53 U	0.52 U	0.54 U	0.48 U
Aroclor-1221(PCB-1221)	0.14	0.70	0.52 UJ	0.49 UJ	0.51 UJ	0.51 UJ	0.50 U	0.49 UJ	0.53 U	0.52 U	0.54 U	0.48 U
Aroclor-1232(PCB-1232)	0.14	0.70	0.52 UJ	0.49 UJ	0.51 UJ	0.51 UJ	0.50 U	0.49 UJ	0.53 U	0.52 U	0.54 U	0.48 U
Aroclor-1242(PCB-1242)	-	-	0.52 UJ	0.49 UJ	0.51 UJ	0.51 UJ	0.50 U	0.49 UJ	0.53 U	0.52 U	0.54 U	0.48 U
Aroclor-1248(PCB-1248)	-	-	0.52 UJ	0.49 UJ	0.51 UJ	0.51 UJ	0.50 U	0.49 UJ	0.53 U	0.52 U	0.54 U	0.48 U
Aroclor-1254(PCB-1254)	-	-	0.52 UJ	0.49 UJ	0.51 UJ	0.51 UJ	0.50 U	0.49 UJ	0.53 U	0.52 U	0.54 U	0.48 U
Aroclor-1260(PCB-1260)	-	-	0.52 UJ	0.49 UJ	0.51 UJ	0.51 UJ	0.50 U	0.49 UJ	0.53 U	0.52 U	0.54 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

Sample Location:			*BH69-13*	*BH70-13*	*BH71-13*	*BH72-13*	*BH73-13*	*BH74-13*	*BH74-13*	*BH75-13*	*BH76-13*	*BH77-13*
Sample ID:			*WG-38443-062113-SM-059*	*WG-38443-062113-SM-057*	*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*
Sample Date:			*6/21/2013*	*6/21/2013*	*6/20/2013*	*6/20/2013*	*6/20/2013*	*6/20/2013*	*6/20/2013*	*6/25/2013*	*6/26/2013*	*6/25/2013*
Sample Depth:			*24-28 ft BGS*	*23.5-27.5 ft BGS*	*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*
									Duplicate			
Parameter	*Protection of Residential IA c*	*Protection of Industrial IA d*										
Volatile Organic Compounds												
1,1,1-Trichloroethane	7394.88	31286.05	1.7 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U
1,1,2,2-Tetrachloroethane	2.80	14.00	1.7 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U
1,1,2-Trichloroethane	4.45	22.86	1.7 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U
1,1-Dichloroethane	6.53	33.51	1.7 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U
1,1-Dichloroethene	196.80	824.71	1.7 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U
1,2,4-Trichlorobenzene	36.17	151.58	1.7 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.4 U
1,2-Dibromo-3-chloropropane(DBCP)	0.03	0.33	3.3 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.9 U
1,2-Dibromoethane (Ethylene dibromide)	0.15	0.75	1.7 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U
1,2-Dichlorobenzene	2675.31	11210.83	1.7 U	2.0 U	1.0 U	0.35 J	1.0 U	1.0 U	1.0 U	1.0 U	0.13 J	0.56 J
1,2-Dichloroethane	1.95	9.74	1.7 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U
1,2-Dichloropropane	2.06	10.41	1.7 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U
1,3-Dichlorobenzene	-	-	1.7 U	2.0 U	1.0 U	0.31 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U
1,4-Dichlorobenzene	2.23	11.16	1.7 U	2.0 U	1.0 U	2.6[c]	1.0 U	1.0 U	1.0 U	0.28 J	1.0 U	5.8[c]
2-Butanone(Methylethyl ketone)(MEK)	2235405.38	9457484.31	17 U	1.3 J	10 U	10 U	10 U	10 U	1.0 J	10 U	10 U	14 U
2-Hexanone	8135.84	34118.05	17 UJ	20 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	14 U
4-Methyl-2-pentanone(Methyl isobutyl ketone)(MIBK)	549460.29	2304188.31	17 U	20 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	14 U
Acetone	22363547.42	97840519.95	17 UJ	20 UJ	10 U	10 U	10 U	10 U	10 U	2.4 J	10 U	14 UJ
Benzene	1.37	7.05	1.7 U	2.0 U	1.0 U	0.79 J	1.0 U	1.0 U	1.0 U	0.49 J	0.89 J	1.2[ad]
Bromodichloromethane	0.76	3.81	1.7 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U
Bromoform	-	-	1.7 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.4 UJ
Bromomethane(Methylbromide)	17.33	73.31	1.7 UJ	2.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.4 UJ
Carbon disulfide	1239.99	5265.69	1.7 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U
Carbon tetrachloride	0.36	1.77	1.7 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 UJ
Chlorobenzene	408.98	1730.29	0.85 J	2.0 U	0.35 J	7.2	1.0 U	1.0 U	1.0 U	4.5	0.47 J	40
Chloroethane	22036.04	96958.56	1.7 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	4.1	1.4 UJ
Chloroform(Trichloromethane)	0.73	3.53	0.48 J	0.57 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U
Chloromethane(Methylchloride)	260.68	1081.56	1.7 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U
cis-1,2-Dichloroethene	-	-	25	0.72 J	2.0	0.44 J	1.0 U	1.0 U	1.0 U	0.65 J	1.0 U	0.74 J
cis-1,3-Dichloropropene	-	-	1.7 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 UJ
Cyclohexane	1027.32	4239.73	1.7 U	2.0 U	1.0 U	0.74 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.27 J
Dibromochloromethane	2.81	14.06	1.7 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 UJ
Dichlorodifluoromethane(CFC-12)	7.13	31.38	1.7 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.4 U
Ethylbenzene	3.01	15.21	1.7 U	2.0 U	1.0 U	1.0 U	1.0 U	0.42 J	0.59 J	1.0 U	1.0 U	2.2
Isopropylbenzene	893.32	3828.52	1.7 U	2.0 U	1.0 U	2.7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.9
Methylacetate	-	-	17 U	20 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	14 U
Methylcyclohexane	-	-	1.7 U	2.0 U	1.0 U	0.97 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.76 J
Methyl tert butyl ether (MTBE)	391.09	1958.46	1.7 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.26 J	2.0	0.24 J
Methylene chloride	722.51	9031.38	1.7 U	2.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.4 U
Naphthalene	4.00	20.01	1.7 UJ	2.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	9.8[c]
Styrene	8884.54	39135.98	1.7 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U
Tetrachloroethene	12.99	64.95	2.5	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U
Toluene	19155.42	81042.17	0.92 J	1.2 J	1.0 U	0.24 J	1.0 U	0.25 J	0.33 J	0.19 J	0.15 J	0.50 J
trans-1,2-Dichloroethene	377.69	1558.73	0.37 J	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U
trans-1,3-Dichloropropene	-	-	1.7 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.4 UJ
Trichloroethene	1.07	7.45	43[ad]	74[ad]	0.24 J	0.17 J	2.6[c]	0.89 J	0.40 J	1.0 U	1.0 U	1.4 U
Trichlorofluoromethane(CFC-11)	184.08	781.71	1.7 UJ	2.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.4 U
Trifluorotrichloroethane(Freon 113)	1441.56	6045.25	1.7 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U
Vinylchloride	0.14	2.46	1.7 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.34 J[c]	1.0 U	0.32 J[c]
Xylenes(total)	472.20	2077.68	3.3 U	4.0 U	2.0 U	0.53 J	2.0 U	2.2 J	4.1 J	2.0 U	0.35 J	5.7

TABLE 2

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

Sample Location:			*BH69-13*	*BH70-13*	*BH71-13*	*BH72-13*	*BH73-13*	*BH74-13*	*BH74-13*	*BH75-13*	*BH76-13*	*BH77-13*
Sample ID:			*WG-38443-062113-SM-059*	*WG-38443-062113-SM-057*	*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*
Sample Date:			*6/21/2013*	*6/21/2013*	*6/20/2013*	*6/20/2013*	*6/20/2013*	*6/20/2013*	*6/20/2013*	*6/25/2013*	*6/26/2013*	*6/25/2013*
Sample Depth:			*24-28 ft BGS*	*23.5-27.5ft BGS*	*24.5-28.5ft BGS*	*21.75-25.75ft BGS*	*21.5-25.5ft BGS*	*22-26 ft BGS*	*22-26 ft BGS*	*23-27ft BGS*	*23.5-27.5ft BGS*	*23-27ft BGS*
									Duplicate			
Parameter	*Protection of Residential IA e*	*Protection of Industrial IA d*										
Metals												
Aluminum (dissolved)	-	-	-	-	-	-	-	-	-	-	200 U	-
Antimony (dissolved)	-	-	-	-	-	-	-	-	-	-	10 U	-
Arsenic (dissolved)	-	-	-	-	-	-	-	-	-	-	10 U	-
Barium (dissolved)	-	-	-	-	-	-	-	-	-	-	1900	-
Beryllium (dissolved)	-	-	-	-	-	-	-	-	-	-	5.0 U	-
Cadmium (dissolved)	-	-	-	-	-	-	-	-	-	-	2.0 U	-
Calcium (dissolved)	-	-	-	-	-	-	-	-	-	-	140000	-
Chromium (dissolved)	-	-	-	-	-	-	-	-	-	-	3.7 J	-
Cobalt (dissolved)	-	-	-	-	-	-	-	-	-	-	7.0 U	-
Copper (dissolved)	-	-	-	-	-	-	-	-	-	-	25 U	-
Iron (dissolved)	-	-	-	-	-	-	-	-	-	-	26000	-
Lead (dissolved)	-	-	-	-	-	-	-	-	-	-	3.0 U	-
Magnesium (dissolved)	-	-	-	-	-	-	-	-	-	-	68000	-
Manganese (dissolved)	-	-	-	-	-	-	-	-	-	-	270	-
Mercury (dissolved)	0.66	2.78	-	-	-	-	-	-	-	-	0.20 U	-
Nickel (dissolved)	-	-	-	-	-	-	-	-	-	-	40 U	-
Potassium (dissolved)	-	-	-	-	-	-	-	-	-	-	24000	-
Selenium (dissolved)	-	-	-	-	-	-	-	-	-	-	5.0 U	-
Silver (dissolved)	-	-	-	-	-	-	-	-	-	-	5.0 U	-
Sodium (dissolved)	-	-	-	-	-	-	-	-	-	-	58000	-
Thallium (dissolved)	-	-	-	-	-	-	-	-	-	-	10 U	-
Vanadium (dissolved)	-	-	-	-	-	-	-	-	-	-	7.0 U	-
Zinc (dissolved)	-	-	-	-	-	-	-	-	-	-	50 U	-
PCBs												
Aroclor-1016(PCB-1016)	-	-	0.48 U	0.49 U	0.49 U	0.50 U	0.49 U	0.48 U	0.54 U	-	-	-
Aroclor-1221(PCB-1221)	0.14	0.70	0.48 U	0.49 U	0.49 U	0.50 U	0.49 U	0.48 U	0.54 U	-	-	-
Aroclor-1232(PCB-1232)	0.14	0.70	0.48 U	0.49 U	0.49 U	0.50 U	0.49 U	0.48 U	0.54 U	-	-	-
Aroclor-1242(PCB-1242)	-	-	0.48 U	0.49 U	0.49 U	0.50 U	0.49 U	0.48 U	0.54 U	-	-	-
Aroclor-1248(PCB-1248)	-	-	0.48 U	0.49 U	0.49 U	0.50 U	0.49 U	0.48 U	0.54 U	-	-	-
Aroclor-1254(PCB-1254)	-	-	0.48 U	0.49 U	0.49 U	0.50 U	0.49 U	0.48 U	0.54 U	-	-	-
Aroclor-1260(PCB-1260)	-	-	0.48 U	0.49 U	0.49 U	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

Sample Location:			*BH78-13*	*BH79-13*	*BH80-13*	*BH81-13*	*BH81-13*	*BH82-13*	*BH83-13*	*BH83-13*	*BH84-13*	*BH85-13*
Sample ID:			*WG-38443-062513-SM-067*	*GW-38443-062613-SM-075*	*WG-38443-062513-SM-066*	*GW-038443-062713-SM-079*	*GW-038443-062713-SM-080*	*WG-38443-062513SM-064*	*WG-38443-062513-SM-063*	*WG-38443-062513-SM-065*	*GW-38443-062613-SM-076*	*WG-38443-062513-SM-070*
Sample Date:			*6/25/2013*	*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:			*23-37 ft BGS*	*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	*Protection of Residential IA c*	*Protection of Industrial IA 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	0.62 J	0.25 J	0.33 J	0.40 J	0.41 J	0.47 J	1.0 U	1.0 U	1.7	0.35 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	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 UJ	1.0 UJ	1.0 UJ	1.0 U	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	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	0.15 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
1,2-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	0.62 J
1,3-Dichlorobenzene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.44 J	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	2.23	11.16	0.20 J	0.50 J	1.0	0.27 J	0.26 J	1.0 U	0.43 J	0.42 J	1.0 U	0.48 J
2-Butanone(Methylethylketone)(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(Methylisobutylketone)(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 UJ	10 U	10 U	10 U	3.6 J	2.3 J	1.9 J	10 U
Benzene	1.37	7.05	0.20 J	0.25 J	0.23 J	0.33 J	0.33 J	1.0 U	0.31 J	0.30 J	0.37 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 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U
Bromomethane(Methylbromide)	17.33	73.31	1.0 U	1.0 U	1.0 UJ	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	0.17 J	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 UJ	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	0.44 J	5.7	3.4	2.8	2.7	0.21 J	8.6	8.8	3.5	1.2
Chloroethane	22036.04	96958.56	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	0.61 J	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
Chloromethane(Methylchloride)	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	-	-	1.7	1.7	0.72 J	1.1	1.1	1.0 U	2.1	2.0	2.6	1.0 U
cis-1,3-Dichloropropene	-	-	1.0 U	1.0 U	1.0 UJ	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	0.12 J	1.0 U	0.14 J	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 UJ	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 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ
Ethylbenzene	3.01	15.21	0.27 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
Isopropylbenzene	893.32	3828.52	0.19 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
Methylacetate	-	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylcyclohexane	-	-	1.0 U	1.0 U	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	0.36 J	0.24 J	0.27 J	0.25 J	0.23 J	0.56 J	0.56 J	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 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.3 J
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	0.33 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
Toluene	18155.42	81042.17	0.48 J	0.17 J	0.13 J	0.23 J	0.22 J	1.0 U	0.21 J	0.23 J	0.15 J	1.0 U
trans-1,2-Dichloroethene	377.89	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 UJ	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ
Trichloroethene	1.07	7.45	0.38 J	1.0 U	1.0 U	1.0 U	0.17 J	1.0 U	1.0 U	1.0 U	0.54 J	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
Trifluorotrichloroethane(Freon113)	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
Vinylchloride	0.14	2.46	0.41 J[e]	6.3[ed]	0.41 J[e]	0.42 J[e]	0.44 J[e]	1.9[e]	2.1[e]	2.2[e]	0.31 J[e]	1.0 U
Xylenes(total)	472.20	2077.68	0.85 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	2.0 U

TABLE 2

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

Sample Location:			*BH78-13*	*BH79-13*	*BH80-13*	*BH81-13*	*BH81-13*	*BH82-13*	*BH83-13*	*BH83-13*	*BH84-13*	*BH85-13*
Sample ID:			*WG-38443-062513-SM-067*	*GW-38443-062613-SM-075*	*WG-38443-062513-SM-066*	*GW-038443-062713-SM-079*	*GW-038443-062713-SM-080*	*WG-38443-062513SM-064*	*WG-38443-062513-SM-063*	*WG-38443-062513-SM-065*	*GW-38443-062613-SM-076*	*WG-38443-062513-SM-070*
Sample Date:			*6/25/2013*	*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:			*23-37 ft BGS*	*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*	*23.2-37.2 ft BGS*	*22-26 ft BGS*	*23.5-27.5 ft BGS*
							Duplicate			*Duplicate*		
Parameter	*Protection of Residential IA c*	*Protection of Industrial IA d*										
Metals												
Aluminum (dissolved)	-	-	-	-	-	200 U	200 U	-	-	-	-	200 U
Antimony (dissolved)	-	-	-	-	-	10 U	10 U	-	-	-	-	10 U
Arsenic (dissolved)	-	-	-	-	-	10 U	10 U	-	-	-	-	21
Barium (dissolved)	-	-	-	-	-	760	740	-	-	-	-	880
Beryllium (dissolved)	-	-	-	-	-	5.0 U	5.0 U	-	-	-	-	5.0 U
Cadmium (dissolved)	-	-	-	-	-	2.0 U	2.0 U	-	-	-	-	2.0 U
Calcium (dissolved)	-	-	-	-	-	140000	140000	-	-	-	-	82000
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)	-	-	-	-	-	5600	5500	-	-	-	-	1500
Lead (dissolved)	-	-	-	-	-	3.0 U	3.0 U	-	-	-	-	3.0 U
Magnesium (dissolved)	-	-	-	-	-	56000	55000	-	-	-	-	51000
Manganese (dissolved)	-	-	-	-	-	150	140	-	-	-	-	100
Mercury (dissolved)	0.66	2.78	-	-	-	0.20 U	0.20 U	-	-	-	-	0.20 U
Nickel (dissolved)	-	-	-	-	-	4.6 J	4.1 J	-	-	-	-	40 U
Potassium (dissolved)	-	-	-	-	-	18000	18000	-	-	-	-	23000
Selenium (dissolved)	-	-	-	-	-	5.0 U	5.0 U	-	-	-	-	5.0 U
Silver (dissolved)	-	-	-	-	-	5.0 U	5.0 U	-	-	-	-	5.0 U
Sodium (dissolved)	-	-	-	-	-	88000	85000	-	-	-	-	78000
Thallium (dissolved)	-	-	-	-	-	10 U	10 U	-	-	-	-	10 U
Vanadium (dissolved)	-	-	-	-	-	7.0 U	7.0 U	-	-	-	-	7.0 U
Zinc (dissolved)	-	-	-	-	-	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

Sample Location:			*BH85-13*	*BH86-13*	*BH87-13*	*BH88-13*	*BH89-13*	*BH90-13*	*BH91-13*	*BH92-13*	*BH93-13*	*EquipmentBlank*
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*	*EB-038443-061413-SM-018*
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*	*6/14/2013*
Sample Depth:			*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*	-
Parameter	*Protection of Residential IA c*	*Protection of Industrial IA d*	*Duplicate*									
Volatile Organic Compounds												
1,1,1-Trichloroethane	7394.88	31286.05	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	1.0 U
1,1,2,2-Tetrachloroethane	2.80	14.00	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	1.0 U
1,1,2-Trichloroethane	4.45	22.86	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	1.0 U
1,1-Dichloroethane	6.53	33.51	0.35 J	2.2 U	0.23 J	1.0 U	0.62 J	1.0 U	1.0 U	5.2	1.0 U	1.0 U
1,1-Dichloroethene	196.80	824.71	1.0 U	2.2 U	1.0 U	1.0 U	0.39 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	36.17	151.58	1.0 UJ	2.2 U	1.0 U	1.2 J	1.0 UJ	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	4.4 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	2.2 U	1.0 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	2.2 U	1.0 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	2.2 U	1.0 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	2.06	10.41	0.54 J	2.2 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	-	-	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	1.0 U
1,4-Dichlorobenzene	2.23	11.16	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	1.0 U
2-Butanone(Methylethylketone)(MEK)	2235405.38	9457484.31	10 U	22 U	10 U	10 U	10 U	1.0 J	10 U	1.4 J	2.3 J	10 U
2-Hexanone	8135.84	34118.05	10 U	22 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U
4-Methyl-2-pentanone(Methylisobutylketone)(MIBK)	549460.29	2304188.31	10 U	22 U	10 U	10 U	10 U	10 UJ	10 U	10 UJ	10 UJ	10 U
Acetone	22363547.42	97840519.95	10 U	22 UJ	10 U	2.6 J	10 U	10 U	10 U	3.6 J	1.4 J	1.3 J
Benzene	1.37	7.05	1.0 U	0.30 J	0.29 J	0.67 J	0.21 J	1.0 U	1.0 U	0.55 J	0.62 J	1.0 U
Bromodichloromethane	0.76	3.81	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	1.0 U
Bromoform	-	-	1.0 U	2.2 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane(Methylbromide)	17.33	73.31	1.0 U	2.2 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U
Carbon disulfide	1239.99	5205.69	1.0 U	2.2 U	1.0 U	0.24 J	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	2.2 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
Chlorobenzene	408.98	1730.29	1.0 U	7.2	1.0 U	2.9	1.4	1.0 U	0.48 J	5.7	1.0 U	1.0 U
Chloroethane	22036.04	96958.56	1.0 U	2.2 UJ	2.6	1.0 U	1.0 U	1.0 U	1.0 U	1.1	1.0 U	1.0 U
Chloroform(Trichloromethane)	0.73	3.53	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	1.0 U
Chloromethane(Methylchloride)	260.68	1081.56	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	1.0 U
cis-1,2-Dichloroethene	-	-	1.0 U	9.4	1.0 U	0.33 J	17	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	-	-	1.0 U	2.2 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
Cyclohexane	1027.32	4239.73	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	1.0 U
Dibromochloromethane	2.81	14.06	1.0 U	2.2 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
Dichlorodifluoromethane(CFC-12)	7.13	31.38	1.0 UJ	2.2 U	1.0 U	0.36 J	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	3.01	15.21	1.0 U	2.2 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.39 J	1.0 U	1.0 U
Isopropylbenzene	893.32	3828.52	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	1.0 U
Methylacetate	-	-	10 U	22 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylcyclohexane	-	-	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	1.0 U
Methyl tert butyl ether (MTBE)	391.69	1968.46	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	1.0 U
Methylene chloride	722.51	9031.38	1.0 U	2.2 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U
Naphthalene	4.00	20.01	0.24 J	2.2 U	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U	4.9[e]	1.2	1.0 U
Styrene	8894.54	39135.98	1.0 U	2.2 U	0.13 J	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	2.2 U	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	2.2 U	1.0 U	0.49 J	0.18 J	0.16 J	0.14 J	0.38 J	0.41 J	1.0 U
trans-1,2-Dichloroethene	377.69	1558.73	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	1.0 U
trans-1,3-Dichloropropene	-	-	1.0 UJ	2.2 UJ	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	1.07	7.46	1.0 U	2.2 U	1.0 U	1.0 U	1.1[ef]	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	2.2 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U
Trifluorotrichloroethane(Freon 113)	1441.56	6045.25	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	1.0 U
Vinylchloride	0.14	2.46	1.0 U	54[ef]	1.0 U	2.5[ef]	7.9[ef]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes(total)	472.20	2077.88	2.0 U	4.4 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.75 J	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

Sample Location:			*BH85-13*	*BH86-13*	*BH87-13*	*BH88-13*	*BH89-13*	*BH90-13*	*BH91-13*	*BH92-13*	*BH93-13*	*Equipment Blank*
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*	*EB-038443-061413-SM-018*
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*	*6/14/2013*
Sample Depth:			*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*	-
Parameter	*Protection of Residential IA c*	*Protection of Industrial IA d*	*Duplicate*									
Metals												
Aluminum (dissolved)	-	-	200 U	-	-	-	200 U	-	-	-	-	-
Antimony (dissolved)	-	-	10 U	-	-	-	10 U	-	-	-	-	-
Arsenic (dissolved)	-	-	20	-	-	-	9.4 J	-	-	-	-	-
Barium (dissolved)	-	-	700	-	-	-	240	-	-	-	-	-
Beryllium (dissolved)	-	-	5.0 U	-	-	-	5.0 U	-	-	-	-	-
Cadmium (dissolved)	-	-	2.0 U	-	-	-	2.0 U	-	-	-	-	-
Calcium (dissolved)	-	-	81000	-	-	-	130000	-	-	-	-	-
Chromium (dissolved)	-	-	5.0 U	-	-	-	5.0 U	-	-	-	-	-
Cobalt (dissolved)	-	-	7.0 U	-	-	-	4.1 J	-	-	-	-	-
Copper (dissolved)	-	-	25 U	-	-	-	25 U	-	-	-	-	-
Iron (dissolved)	-	-	1500	-	-	-	3100	-	-	-	-	-
Lead (dissolved)	-	-	3.0 U	-	-	-	3.0 U	-	-	-	-	-
Magnesium (dissolved)	-	-	50000	-	-	-	57000	-	-	-	-	-
Manganese (dissolved)	-	-	100	-	-	-	480	-	-	-	-	-
Mercury (dissolved)	0.66	2.78	0.20 U	-	-	-	0.20 U	-	-	-	-	-
Nickel (dissolved)	-	-	40 U	-	-	-	9.1 J	-	-	-	-	-
Potassium (dissolved)	-	-	23000	-	-	-	21000	-	-	-	-	-
Selenium (dissolved)	-	-	5.0 U	-	-	-	5.0 U	-	-	-	-	-
Silver (dissolved)	-	-	5.0 U	-	-	-	5.0 U	-	-	-	-	-
Sodium (dissolved)	-	-	77000	-	-	-	86000	-	-	-	-	-
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)	-	-	-	-	-	-	-	-	-	-	-	-
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

Sample Location:			*Equipment Blank*	*Equipment Blank*	*Equipment Blank*	*Equipment Blank*	*Equipment Blank*	*Rinse Blank*	*Rinse Blank*	*Rinse Blank*	*Rinse Blank*	*Trip Blank*
Sample ID:			*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*	*GW-38443-070913-JT-103*	*TRIPBLANK-061113-001*
Sample Date:			*6/18/2013*	*6/19/2013*	*6/20/2013*	*6/26/2013*	*6/28/2013*	*6/11/2013*	*7/2/2013*	*7/8/2013*	*7/9/2013*	*6/11/2013*
Sample Depth:			-	-	-	-	-	-	-	-	-	-
Parameter	*Protection of Residential IA c*	*Protection of Industrial IA 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	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
1,2,4-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(Methylethyl ketone)(MEK)	2235405.38	9457484.31	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
2-Hexanone	8135.84	34118.05	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Methyl-2-pentanone(Methylisobutylketone)(MIBK)	549460.29	2304188.31	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
Acetone	22363547.42	97840519.95	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.8 J	1.0 U	1.0 U	1.0 U	1.1 J
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
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 U	1.0 U	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(Methylbromide)	17.33	73.31	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon disulfide	1239.99	5265.69	1.0 U	1.0 U	0.20 J	1.0 U	1.0 U	0.30 J	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	96958.56	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
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
Chloromethane(Methylchloride)	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	-	-	1.0 U	1.0 U	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
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	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropylbenzene	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
Methylacetate	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylcyclohexane	-	-	1.0 U	1.0 U	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
Methylenechloride	722.51	9031.38	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 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	8694.54	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	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
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	1.0 U	1.0 U	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 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
Vinylchloride	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	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

Sample Location:			*Equipment Blank*	*Equipment Blank*	*Equipment Blank*	*Equipment Blank*	*Equipment Blank*	*Rinse Blank*	*Rinse Blank*	*Rinse Blank*	*Rinse Blank*	*Trip Blank*
Sample ID:			*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*	*GW-38443-070913-JT-103*	*TRIPBLANK-061113-001*
Sample Date:			*6/18/2013*	*6/19/2013*	*6/20/2013*	*6/26/2013*	*6/28/2013*	*6/11/2013*	*7/2/2013*	*7/8/2013*	*7/9/2013*	*6/11/2013*
Sample Depth:			-	-	-	-	-	-	-	-	-	-
Parameter	***Protection of Residential IA c***	***Protection of Industrial IA d***										
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

Sample Location:			*Trip Blank*	*Trip Blank*	*Trip Blank*	*Trip Blank*	*Trip Blank*	*Trip Blank*	*Trip Blank*	*Trip Blank*	*Trip Blank*	*Trip Blank*	*Trip Blank*
Sample ID:			*TRIPBLANK-061213-002*	*TRIPBLANK-061313-003*	*TRIPBLANK-061413-004*	*TB-38443-061913-SM*	*TB-38443-062113-SM*	*TB-38443-062513-SM*	*TB-38443-062613-SM*	*TB-38443-062813-SM*	*TB-38443-070113-SK*	*TB-38443-070313-SK*	*TRIPBLANK-JT-001*
Sample Date:			*6/12/2013*	*6/13/2013*	*6/14/2013*	*6/19/2013*	*6/21/2013*	*6/25/2013*	*6/26/2013*	*6/28/2013*	*7/1/2013*	*7/3/2013*	*7/9/2013*
Sample Depth:			-	-	-	-	-	-	-	-	-	-	-
Parameter	*Protection of Residential IA c*	*Protection of Industrial IA 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	22.66	1.0 U	1.0 U	1.0 U	1.0 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(Methylethyl 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 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone(Methylisobutyl 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
Acetone	22363547.42	97840519.95	10 U	1.2 J	10 U	10 U	10 U	10 U	10 U	10 U	2.3 J	1.4 J	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(Methylbromide)	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
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	96958.56	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(Methylchloride)	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	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropylbenzene	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
Methylacetate	-	-	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 U	1.0 U	1.0 U	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
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	1.0 U	1.0 U	1.0 U	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
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	7.46	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
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
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
Vinylchloride	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	2077.88	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

Sample Location:			*Trip Blank*	*Trip Blank*	*Trip Blank*	*Trip Blank*	*Trip Blank*	*Trip Blank*	*Trip Blank*	*Trip Blank*	*Trip Blank*	*Trip Blank*	*Trip Blank*
Sample ID:			*TRIPBLANK-061213-002*	*TRIPBLANK-061313-003*	*TRIPBLANK-061413-004*	*TB-38443-061913-SM*	*TB-38443-062113-SM*	*TB-38443-062513-SM*	*TB-38443-062613-SM*	*TB-38443-062813-SM*	*TB-38443-070113-SK*	*TB-38443-070313-SK*	*TRIPBLANK-JT-001*
Sample Date:			*6/12/2013*	*6/13/2013*	*6/14/2013*	*6/19/2013*	*6/21/2013*	*6/25/2013*	*6/26/2013*	*6/28/2013*	*7/1/2013*	*7/3/2013*	*7/9/2013*
Sample Depth:			-	-	-	-	-	-	-	-	-	-	-
Parameter	*Protection of Residential IA c*	*Protection of Industrial IA d*											
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:

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 building 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
trans-1,2-Dichloroethene	150000	690000	4.5 U	260 U	250 U	5.5 U	5.4 U	270 J	4200 U	5.0 U

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*								
trans-1,3-Dichloropropene	-	-	4.5 U	260 U	250 U	5.5 U	5.4 U	4800 U	4200 U	5.0 U
Trichloroethene	910	6400	4.7 J	260 U	250 U	5.5 U	5.4 U	5300 J*	4200 U	5.0 U
Trichlorofluoromethane (CFC-11)	790000	3400000	4.5 U	260 U	250 U	5.5 U	5.4 U	4800 U	4200 U	5.0 U
Trifluorotrichloroethane (Freon 113)	43000000	180000000	4.5 U	260 U	250 U	5.5 U	5.4 U	4800 U	4200 U	5.0 UJ
Vinyl chloride	60	1700	4.5 U	260 U	250 U	5.5 U	5.4 U	380 J*	4200 U	5.0 U
Xylenes (total)	630000	2700000	9.0 U	520 U	83 J	11 U	11 U	280000 J	54000 J	27
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

Sample Location:			*BH34-13*	*BH35-13*	*BH36-13*	*BH36-13*	*BH37-13*	*BH38-13*	*BH38-13*	*BH39-13*
Sample ID:			*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*	*S-38443-062713-JT-065*	*S-38443-070113-JC-075*
Sample Date:			*6/27/2013*	*6/28/2013*	*7/1/2013*	*7/1/2013*	*7/2/2013*	*6/27/2013*	*6/27/2013*	*7/1/2013*
Sample Depth:	*USEPA Regional Screening Levels [1]*		*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*	*25.5-27.5 ft BGS*	*28-30 ft BGS*
Parameter	*Residential Soil*	*Industrial Soil*								
	a	*b*								
Volatile Organic Compounds										
1,1,1-Trichloroethane	8700000	38000000	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	570 U	3.9 U	5.4 U
1,1,2,2-Tetrachloroethane	560	2800	4.3 U	R	4.9 U	4.5 U	4.3 U	570 U	3.9 U	5.4 U
1,1,2-Trichloroethane	1100	5300	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	570 U	3.9 U	5.4 U
1,1-Dichloroethane	3300	17000	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	280 J	3.9 U	5.4 U
1,1-Dichloroethene	240000	1100000	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	49 J	3.9 U	5.4 U
1,2,4-Trichlorobenzene	22000	99000	4.3 U	R	4.9 U	4.5 U	4.3 U	570 U	3.9 U	5.4 U
1,2-Dibromo-3-chloropropane (DBCP)	5.4	69	8.6 U	R	9.8 U	9.1 UJ	8.7 U	1100 U	7.8 U	11 U
1,2-Dibromoethane (Ethylene dibromide)	34	170	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	570 U	3.9 U	5.4 U
1,2-Dichlorobenzene	1900000	9800000	4.3 U	R	4.9 U	4.5 U	4.3 U	570 U	3.9 U	5.4 U
1,2-Dichloroethane	430	2200	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	570 U	3.9 U	5.4 U
1,2-Dichloropropane	940	4700	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	570 U	3.9 U	5.4 U
1,3-Dichlorobenzene	-	-	4.3 U	R	4.9 U	4.5 U	4.3 U	570 U	3.9 U	5.4 U
1,4-Dichlorobenzene	2400	12000	4.3 U	R	4.9 U	4.5 U	4.3 U	570 U	3.9 U	5.4 U
2-Butanone (Methyl ethyl ketone) (MEK)	28000000	200000000	1.8 J	17 J	5.1 J	1.3 J	17 U	2300 U	2.2 J	2.8 J
2-Hexanone	210000	1400000	17 U	36 UJ	20 U	18 U	17 U	2300 U	16 U	22 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	5300000	53000000	17 U	36 UJ	0.90 J	18 U	17 U	2300 U	16 U	0.73 J
Acetone	61000000	630000000	17 U	81 UJ	20 U	18 U	17 U	2300 U	20 U	22 U
Benzene	1100	5400	4.3 U	12 J	4.9 U	0.71 J	1.7 J	510 J	3.9 U	5.4 U
Bromodichloromethane	270	1400	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	570 U	3.9 U	5.4 U
Bromoform	62000	220000	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	570 U	3.9 U	5.4 U
Bromomethane (Methyl bromide)	7300	32000	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	570 U	3.9 U	5.4 U
Carbon disulfide	820000	3700000	0.48 J	2.7 J	0.63 J	4.5 U	4.3 U	570 U	3.9 U	5.4 U
Carbon tetrachloride	610	3000	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	570 U	3.9 U	5.4 U
Chlorobenzene	290000	1400000	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	23 J	3.9 U	5.4 U
Chloroethane	15000000	61000000	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	570 U	3.9 U	5.4 U
Chloroform (Trichloromethane)	290	1500	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	570 U	3.9 U	5.4 U
Chloromethane (Methyl chloride)	120000	500000	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	570 U	3.9 U	5.4 U
cis-1,2-Dichloroethene	160000	2000000	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	1000	3.9 U	0.51 J
cis-1,3-Dichloropropene	-	-	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	570 U	3.9 U	5.4 U
Cyclohexane	7000000	29000000	8.6 U	18 UJ	9.8 U	1.4 J	2.4 J	600 J	7.8 U	11 U
Dibromochloromethane	680	3300	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	570 U	3.9 U	5.4 U
Dichlorodifluoromethane (CFC-12)	94000	400000	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	570 U	3.9 U	5.4 U
Ethylbenzene	5400	27000	4.3 U	8.9 UJ	4.9 U	1.4 J	2.5 J	15000[a]	3.9 U	5.4 U
Isopropyl benzene	2100000	11000000	4.3 U	8.9 UJ	4.9 U	4.5 U	0.55 J	280 J	3.9 U	5.4 U
Methyl acetate	78000000	1000000000	8.6 U	18 UJ	9.8 U	9.1 U	8.7 U	240 J	7.8 U	11 U
Methyl cyclohexane	-	-	1.3 J	18 UJ	9.8 U	2.5 J	3.2 J	1100	7.8 U	11 U
Methyl tert butyl ether (MTBE)	43000	220000	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	570 U	3.9 U	5.4 U
Methylene chloride	56000	960000	6.8 UJ	21 UJ	4.9 U	5.8 UJ	4.3 U	740 UJ	5.7 UJ	3.1 J
Styrene	6300000	36000000	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	570 U	3.9 U	5.4 U
Tetrachloroethene	22000	110000	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	570 U	3.9 U	5.4 U
Toluene	5000000	45000000	0.43 J	2.2 J	0.38 J	2.6 J	2.5 J	670	1.7 J	0.31 J
trans-1,2-Dichloroethene	150000	690000	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	140 J	3.9 U	5.4 U

TABLE 3

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

Sample Location:			*BH34-13*	*BH35-13*	*BH36-13*	*BH36-13*	*BH37-13*	*BH38-13*	*BH38-13*	*BH39-13*
Sample ID:			*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*	*S-38443-062713-JT-065*	*S-38443-070113-JC-075*
Sample Date:			*6/27/2013*	*6/28/2013*	*7/1/2013*	*7/1/2013*	*7/2/2013*	*6/27/2013*	*6/27/2013*	*7/1/2013*
Sample Depth:	*USEPA Regional Screening Levels [1]*		*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*	*25.5-27.5 ft BGS*	*28-30 ft BGS*
Parameter	*Residential Soil*	*Industrial Soil*								
	a	*b*								
trans-1,3-Dichloropropene	-	-	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	570 U	3.9 U	5.4 U
Trichloroethene	910	6400	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	1600 J[a]	3.9 U	5.4 U
Trichlorofluoromethane (CFC-11)	790000	3400000	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	570 U	3.9 U	5.4 U
Trifluorotrichloroethane (Freon 113)	43000000	180000000	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	570 U	3.9 U	5.4 U
Vinyl chloride	60	1700	4.3 U	2.1 J	4.9 U	4.5 U	4.3 U	200 J[a]	3.9 U	5.4 U
Xylenes (total)	630000	2700000	8.6 U	18 UJ	9.8 U	2.7 J	4.6 J	14000	7.8 U	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

Sample Location:			*BH40-13*	*BH40-13*	*BH42-13*	*BH42-13*	*BH42-13*	*BH43-13*	*BH44-13*	*BH44-13*
Sample ID:			*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*	*S-38443-070113-JT-084*	*S-38443-070113-JT-085*
Sample Date:			*6/28/2013*	*6/28/2013*	*7/1/2013*	*7/1/2013*	*7/1/2013*	*7/1/2013*	*7/1/2013*	*7/1/2013*
Sample Depth:	*USEPA Regional Screening Levels [1]*		*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*	*2-4 ft BGS*	*35.5-37.5 ft BGS*
				Duplicate		*Duplicate*				
Parameter	*Residential Soil*	*Industrial Soil*								
	a	*b*								
Volatile Organic Compounds										
1,1,1-Trichloroethane	8700000	38000000	8.3 U	580 U	3100 U	3000 U	260 U	4.3 U	230 U	550 U
1,1,2,2-Tetrachloroethane	560	2800	8.3 UJ	580 U	3100 U	3000 U	260 U	4.3 U	230 U	550 U
1,1,2-Trichloroethane	1100	5300	8.3 U	580 U	3100 U	3000 U	260 U	4.3 U	230 U	550 U
1,1-Dichloroethane	3300	17000	8.3 U	580 U	3100 U	3000 U	71 J	4.3 U	230 U	550 U
1,1-Dichloroethene	240000	1100000	8.3 U	580 U	3100 U	3000 U	260 U	4.3 U	230 U	550 U
1,2,4-Trichlorobenzene	22000	99000	8.3 UJ	580 U	3100 U	3000 U	260 U	4.3 U	230 U	550 U
1,2-Dibromo-3-chloropropane (DBCP)	5.4	69	17 UJ	1200 U	6300 U	6100 U	520 U	8.6 U	450 U	1100 U
1,2-Dibromoethane (Ethylene dibromide)	34	170	8.3 U	580 U	3100 U	3000 U	260 U	4.3 U	230 U	550 U
1,2-Dichlorobenzene	1900000	9800000	8.3 UJ	580 U	3100 U	3000 U	260 U	4.3 U	230 U	550 U
1,2-Dichloroethane	430	2200	8.3 U	580 U	3100 U	3000 U	260 U	4.3 U	230 U	550 U
1,2-Dichloropropane	940	4700	8.3 U	580 U	3100 U	3000 U	260 U	4.3 U	230 U	550 U
1,3-Dichlorobenzene	-	-	8.3 UJ	580 U	3100 U	3000 U	260 U	4.3 U	230 U	550 U
1,4-Dichlorobenzene	2400	12000	8.3 UJ	580 U	3100 U	3000 U	260 U	4.3 U	230 U	550 U
2-Butanone (Methyl ethyl ketone) (MEK)	28000000	200000000	23 J	120 J	13000 U	12000 U	100 J	17 U	910 U	2200 U
2-Hexanone	210000	1400000	33 U	2300 U	13000 U	12000 U	1000 U	17 U	910 U	2200 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	5300000	53000000	33 U	2300 U	900 J	12000 U	1000 U	17 U	910 U	2200 U
Acetone	61000000	630000000	110 U	2300 U	13000 U	12000 U	1000 U	17 U	910 U	2200 U
Benzene	1100	5400	6.9 J	310 J	350 J	150 J	47 J	0.20 J	13 J	550 U
Bromodichloromethane	270	1400	8.3 U	580 U	3100 U	3000 U	260 U	4.3 U	230 U	550 U
Bromoform	62000	220000	8.3 U	580 U	3100 U	3000 U	260 U	4.3 U	230 U	550 U
Bromomethane (Methyl bromide)	7300	32000	8.3 U	580 U	3100 U	3000 U	260 U	4.3 U	230 U	550 U
Carbon disulfide	820000	3700000	1.0 J	580 U	3100 U	3000 U	97 J	4.3 U	230 U	550 U
Carbon tetrachloride	610	3000	8.3 U	580 U	3100 U	3000 U	260 U	4.3 U	230 U	550 U
Chlorobenzene	290000	1400000	8.3 U	580 U	3100 U	3000 U	260 U	4.3 U	230 U	550 U
Chloroethane	15000000	61000000	8.3 U	580 U	3100 U	3000 U	91 J	4.3 U	230 U	550 U
Chloroform (Trichloromethane)	290	1500	8.3 U	580 U	3100 U	3000 U	260 U	4.3 U	230 U	550 U
Chloromethane (Methyl chloride)	120000	500000	8.3 U	580 U	3100 U	3000 U	260 U	4.3 U	230 U	550 U
cis-1,2-Dichloroethene	160000	2000000	8.3 U	580 U	4000	1800 J	180 J	1.5 J	230 U	410 J
cis-1,3-Dichloropropene	-	-	8.3 U	580 U	3100 U	3000 U	260 U	4.3 U	230 U	550 U
Cyclohexane	7000000	29000000	17 U	1200 U	6300 U	6100 U	520 U	8.6 U	450 U	1100 U
Dibromochloromethane	680	3300	8.3 U	580 U	3100 U	3000 U	260 U	4.3 U	230 U	550 U
Dichlorodifluoromethane (CFC-12)	94000	400000	8.3 U	580 U	3100 U	3000 U	260 U	4.3 U	230 U	550 U
Ethylbenzene	5400	27000	8.3 U	98 J	12000*	4300	470	4.3 U	8.6 J	67 J
Isopropyl benzene	2100000	11000000	8.3 U	100 J	2800 J	1100 J	180 J	4.3 U	230 U	450 J
Methyl acetate	78000000	1000000000	17 U	380 J	690 J	380 J	98 J	8.6 U	65 J	58 J
Methyl cyclohexane	-	-	1.2 J	44 J	3800 J	930 J	310 J	8.6 U	32 J	1300
Methyl tert butyl ether (MTBE)	43000	220000	8.3 U	580 U	3100 U	3000 U	260 U	4.3 U	230 U	550 U
Methylene chloride	56000	960000	17 UJ	580 U	3100 U	3000 U	260 U	1.4 J	230 U	550 U
Styrene	6300000	36000000	8.3 U	580 U	3100 U	3000 U	260 U	4.3 U	230 U	550 U
Tetrachloroethene	22000	110000	8.3 U	580 U	320 J	3000 U	13 J	4.3 U	230 U	550 U
Toluene	5000000	45000000	2.6 J	270 J	12000	1800 J	490	0.58 J	39 J	86 J
trans-1,2-Dichloroethene	150000	690000	8.3 U	580 U	290 J	130 J	260 U	4.3 U	230 U	550 U

TABLE 3

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

Sample Location:			*BH40-13*	*BH40-13*	*BH42-13*	*BH42-13*	*BH42-13*	*BH43-13*	*BH44-13*	*BH44-13*
Sample ID:			*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*	*S-38443-070113-JT-084*	*S-38443-070113-JT-085*
Sample Date:			*6/28/2013*	*6/28/2013*	*7/1/2013*	*7/1/2013*	*7/1/2013*	*7/1/2013*	*7/1/2013*	*7/1/2013*
Sample Depth:	*USEPA Regional Screening Levels [1]*		*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*	*2-4 ft BGS*	*35.5-37.5 ft BGS*
				Duplicate		*Duplicate*				
Parameter	*Residential Soil*	*Industrial Soil*								
	a	*b*								
trans-1,3-Dichloropropene	-	-	8.3 U	580 U	3100 U	3000 U	260 U	4.3 U	230 U	550 U
Trichloroethene	910	6400	8.3 U	580 U	3100 U	3000 U	260 U	4.3 U	230 U	550 U
Trichlorofluoromethane (CFC-11)	790000	3400000	8.3 U	580 U	3100 U	3000 U	260 U	4.3 U	230 U	550 U
Trifluorotrichloroethane (Freon 113)	43000000	180000000	8.3 U	580 U	3100 U	3000 U	260 U	4.3 U	230 U	550 U
Vinyl chloride	60	1700	8.3 U	580 U	3100 U	3000 U	21 J	4.3 U	230 U	220 J[a]
Xylenes (total)	630000	2700000	17 U	380 J	27000	10000	950	8.6 U	450 U	1100 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

Sample Location:			*BH44-13*	*BH44-13*	*BH51-13*	*BH51-13*	*BH52-13*	*BH52-13*	*BH53-13*	*BH53-13*
Sample ID:			*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*	*S-38443-061813-JT-001*	*S-38443-061813-JT-002*
Sample Date:			*7/2/2013*	*7/2/2013*	*6/21/2013*	*6/21/2013*	*6/19/2013*	*6/19/2013*	*6/18/2013*	*6/18/2013*
Sample Depth:	*USEPA Regional Screening Levels [1]*		*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*	*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	-	-	350 U	5.5 U	R	4.5 U	4.5 U	4.3 U
1,1,2,2-Tetrachloroethane	560	2800	-	-	350 U	5.5 U	R	4.5 U	4.5 U	4.3 U
1,1,2-Trichloroethane	1100	5300	-	-	350 U	5.5 U	R	4.5 U	4.5 U	4.3 U
1,1-Dichloroethane	3300	17000	-	-	350 U	5.5 U	R	4.5 U	4.5 U	4.3 U
1,1-Dichloroethene	240000	1100000	-	-	350 U	5.5 U	R	4.5 U	4.5 U	4.3 U
1,2,4-Trichlorobenzene	22000	99000	-	-	350 U	5.5 U	R	4.5 U	4.5 U	4.3 U
1,2-Dibromo-3-chloropropane (DBCP)	5.4	69	-	-	700 U	11 U	R	9.1 U	9.0 U	8.6 U
1,2-Dibromoethane (Ethylene dibromide)	34	170	-	-	350 U	5.5 U	R	4.5 U	4.5 U	4.3 U
1,2-Dichlorobenzene	1900000	9800000	-	-	350 U	5.5 U	R	4.5 U	4.5 U	4.3 U
1,2-Dichloroethane	430	2200	-	-	350 U	5.5 U	R	4.5 U	4.5 U	4.3 U
1,2-Dichloropropane	940	4700	-	-	350 U	5.5 U	R	4.5 U	4.5 U	4.3 U
1,3-Dichlorobenzene	-	-	-	-	350 U	5.5 U	R	4.5 U	4.5 U	4.3 U
1,4-Dichlorobenzene	2400	12000	-	-	350 U	5.5 U	R	4.5 U	4.5 U	4.3 U
2-Butanone (Methyl ethyl ketone) (MEK)	28000000	200000000	-	-	1400 U	22 U	R	18 U	18 U	17 U
2-Hexanone	210000	1400000	-	-	1400 U	22 U	R	18 U	18 U	17 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	5300000	53000000	-	-	1400 U	22 U	R	18 U	18 U	17 U
Acetone	61000000	630000000	-	-	1400 U	22 U	25 UJ	18 U	18 U	17 U
Benzene	1100	5400	-	-	350 U	5.5 U	R	4.5 U	4.5 U	4.3 U
Bromodichloromethane	270	1400	-	-	350 U	5.5 U	R	4.5 U	4.5 U	4.3 U
Bromoform	62000	220000	-	-	350 U	5.5 U	R	4.5 U	4.5 U	4.3 U
Bromomethane (Methyl bromide)	7300	32000	-	-	350 U	5.5 U	R	4.5 U	4.5 U	4.3 U
Carbon disulfide	820000	3700000	-	-	350 U	5.5 U	R	4.5 U	4.5 U	4.3 U
Carbon tetrachloride	610	3000	-	-	350 U	5.5 U	R	4.5 U	4.5 U	4.3 U
Chlorobenzene	290000	1400000	-	-	350 U	5.5 U	R	4.5 U	4.5 U	4.3 U
Chloroethane	15000000	61000000	-	-	350 U	5.5 U	R	4.5 U	4.5 U	4.3 U
Chloroform (Trichloromethane)	290	1500	-	-	350 U	5.5 U	R	4.5 U	4.5 U	4.3 U
Chloromethane (Methyl chloride)	120000	500000	-	-	350 U	5.5 U	R	4.5 U	4.5 U	4.3 U
cis-1,2-Dichloroethene	160000	2000000	-	-	350 U	5.5 U	R	4.5 U	4.5 U	4.3 U
cis-1,3-Dichloropropene	-	-	-	-	350 U	5.5 U	R	4.5 U	4.5 U	4.3 U
Cyclohexane	7000000	29000000	-	-	700 U	11 U	R	9.1 U	9.0 U	8.6 U
Dibromochloromethane	680	3300	-	-	350 U	5.5 U	R	4.5 U	4.5 U	4.3 U
Dichlorodifluoromethane (CFC-12)	94000	400000	-	-	350 U	5.5 U	R	4.5 U	4.5 U	4.3 U
Ethylbenzene	5400	27000	-	-	350 U	5.5 U	R	4.5 U	4.5 U	4.3 U
Isopropyl benzene	2100000	11000000	-	-	350 U	5.5 U	R	4.5 U	4.5 U	4.3 U
Methyl acetate	78000000	1000000000	-	-	700 U	11 U	R	9.1 U	9.0 U	8.6 U
Methyl cyclohexane	-	-	-	-	75 J	0.39 J	R	9.1 U	9.0 U	8.6 U
Methyl tert butyl ether (MTBE)	43000	220000	-	-	350 U	5.5 U	R	4.5 U	4.5 U	4.3 U
Methylene chloride	56000	960000	-	-	350 U	5.5 UJ	20 UJ	7.9 U	6.4 U	6.5 U
Styrene	6300000	36000000	-	-	350 U	5.5 U	R	4.5 U	4.5 U	4.3 U
Tetrachloroethene	22000	110000	-	-	20 J	5.5 U	R	4.5 U	4.5 U	4.3 U
Toluene	5000000	45000000	-	-	40 J	0.97 J	R	0.42 J	4.5 U	4.3 U
trans-1,2-Dichloroethene	150000	690000	-	-	350 U	5.5 U	R	4.5 U	4.5 U	4.3 U

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*	*BH51-13*	*BH51-13*	*BH52-13*	*BH52-13*	*BH53-13*	*BH53-13*
Sample ID:			*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*	*S-38443-061813-JT-001*	*S-38443-061813-JT-002*
Sample Date:			*7/2/2013*	*7/2/2013*	*6/21/2013*	*6/21/2013*	*6/19/2013*	*6/19/2013*	*6/18/2013*	*6/18/2013*
Sample Depth:	*USEPA Regional Screening Levels [1]*		*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*	*0-2 ft BGS*	*19-21 ft BGS*
								Duplicate		
Parameter	*Residential Soil*	*Industrial Soil*								
	a	*b*								
trans-1,3-Dichloropropene	-	-	-	-	350 U	5.5 U	R	4.5 U	4.5 U	4.3 U
Trichloroethene	910	6400	-	-	4300[a]	1.6 J	R	0.52 J	1.5 J	10
Trichlorofluoromethane (CFC-11)	790000	3400000	-	-	350 U	5.5 U	R	4.5 U	4.5 U	4.3 U
Trifluorotrichloroethane (Freon 113)	43000000	180000000	-	-	350 U	5.5 U	R	4.5 U	4.5 U	4.3 U
Vinyl chloride	60	1700	-	-	350 U	5.5 U	R	4.5 U	4.5 U	4.3 U
Xylenes (total)	630000	2700000	-	-	140 J	11 U	R	9.1 U	9.0 U	8.6 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

Sample Location:			*BH54-13*	*BH54-13*	*BH55-13*	*BH55-13*	*BH56-13*	*BH57-13*	*BH58-13*	*BH58-13*
Sample ID:			*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*	*S-38443-061913-JT-009*	*S-38443-061913-JT-010*
Sample Date:			*6/18/2013*	*6/18/2013*	*6/18/2013*	*6/18/2013*	*6/18/2013*	*6/18/2013*	*6/19/2013*	*6/19/2013*
Sample Depth:	*USEPA Regional Screening Levels [1]*		*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*	*21.5-23.5 ft BGS*	*21.5-23.5 ft BGS*
										Duplicate
Parameter	*Residential Soil*	*Industrial Soil*								
	a	*b*								
Volatile Organic Compounds										
1,1,1-Trichloroethane	8700000	38000000	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U
1,1,2,2-Tetrachloroethane	560	2800	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U
1,1,2-Trichloroethane	1100	5300	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U
1,1-Dichloroethane	3300	17000	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U
1,1-Dichloroethene	240000	1100000	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U
1,2,4-Trichlorobenzene	22000	99000	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U
1,2-Dibromo-3-chloropropane (DBCP)	5.4	69	11 UJ	11 U	R	9.7 U	9.1 U	10 U	11 U	11 U
1,2-Dibromoethane (Ethylene dibromide)	34	170	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U
1,2-Dichlorobenzene	1900000	9800000	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U
1,2-Dichloroethane	430	2200	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U
1,2-Dichloropropane	940	4700	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U
1,3-Dichlorobenzene	-	-	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U
1,4-Dichlorobenzene	2400	12000	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U
2-Butanone (Methyl ethyl ketone) (MEK)	28000000	200000000	22 UJ	21 U	R	19 U	18 U	21 U	22 U	21 U
2-Hexanone	210000	1400000	22 UJ	21 U	R	19 U	18 U	21 U	22 U	21 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	5300000	53000000	22 UJ	21 U	R	19 U	18 U	21 U	22 U	21 U
Acetone	61000000	630000000	22 UJ	21 U	130000 UJ	19 U	18 U	21 U	22 U	21 U
Benzene	1100	5400	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U
Bromodichloromethane	270	1400	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U
Bromoform	62000	220000	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U
Bromomethane (Methyl bromide)	7300	32000	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U
Carbon disulfide	820000	3700000	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U	0.78 J	5.3 U
Carbon tetrachloride	610	3000	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U
Chlorobenzene	290000	1400000	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U
Chloroethane	15000000	61000000	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U
Chloroform (Trichloromethane)	290	1500	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U
Chloromethane (Methyl chloride)	120000	500000	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U
cis-1,2-Dichloroethene	160000	2000000	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U
cis-1,3-Dichloropropene	-	-	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U
Cyclohexane	7000000	29000000	11 UJ	11 U	R	9.7 U	9.1 U	10 U	11 U	11 U
Dibromochloromethane	680	3300	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U
Dichlorodifluoromethane (CFC-12)	94000	400000	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U
Ethylbenzene	5400	27000	5.6 UJ	5.4 U	260000 J[ab]	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U
Isopropyl benzene	2100000	11000000	5.6 UJ	5.4 U	57000 J	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U
Methyl acetate	78000000	1000000000	11 UJ	11 U	R	9.7 U	9.1 U	10 U	11 U	11 U
Methyl cyclohexane	-	-	11 UJ	11 U	R	9.7 U	9.1 U	10 U	11 U	11 U
Methyl tert butyl ether (MTBE)	43000	220000	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U
Methylene chloride	56000	960000	9.0 UJ	8.6 U	33000 UJ	9.6 U	6.9 U	9.3 U	11 U	8.9 U
Styrene	6300000	36000000	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U
Tetrachloroethene	22000	110000	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U
Toluene	5000000	45000000	5.6 UJ	5.4 U	95000 J	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U
trans-1,2-Dichloroethene	150000	690000	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U

TABLE 3

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

Sample Location:			*BH54-13*	*BH54-13*	*BH55-13*	*BH55-13*	*BH56-13*	*BH57-13*	*BH58-13*	*BH58-13*
Sample ID:			*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*	*S-38443-061913-JT-009*	*S-38443-061913-JT-010*
Sample Date:			*6/18/2013*	*6/18/2013*	*6/18/2013*	*6/18/2013*	*6/18/2013*	*6/18/2013*	*6/19/2013*	*6/19/2013*
Sample Depth:	*USEPA Regional Screening Levels [1]*		*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*	*21.5-23.5 ft BGS*	*21.5-23.5 ft BGS*
										Duplicate
Parameter	*Residential Soil*	*Industrial Soil*								
	a	*b*								
trans-1,3-Dichloropropene	-	-	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U
Trichloroethene	910	6400	8.4 J	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U
Trichlorofluoromethane (CFC-11)	790000	3400000	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U
Trifluorotrichloroethane (Freon 113)	43000000	180000000	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U
Vinyl chloride	60	1700	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U
Xylenes (total)	630000	2700000	11 UJ	11 U	2000000 J[a]	9.7 U	9.1 U	10 U	11 U	11 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

Sample Location:			*BH59-13*	*BH59-13*	*BH60-13*	*BH61-13*	*BH62-13*	*BH63-13*	*BH64-13*	*BH65-13*
Sample ID:			*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*	*S-38443-061913-JC-016*	*S-38443-062013-JC-031*
Sample Date:			*6/19/2013*	*6/19/2013*	*6/19/2013*	*6/19/2013*	*6/19/2013*	*6/20/2013*	*6/19/2013*	*6/20/2013*
Sample Depth:	*USEPA Regional Screening Levels [1]*		*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*	*22-24 ft BGS*	*22.1-24.1 ft BGS*
Parameter	*Residential Soil*	*Industrial Soil*								
	a	*b*								
Volatile Organic Compounds										
1,1,1-Trichloroethane	8700000	38000000	430 U	5.2 U	5.6 U	4.3 U	5.0 U	4.7 U	4.1 U	5.1 U
1,1,2,2-Tetrachloroethane	560	2800	430 U	5.2 U	5.6 U	4.3 U	5.0 U	4.7 U	4.1 U	5.1 U
1,1,2-Trichloroethane	1100	5300	430 U	5.2 U	5.6 U	4.3 U	5.0 U	4.7 U	4.1 U	5.1 U
1,1-Dichloroethane	3300	17000	430 U	5.2 U	5.6 U	4.3 U	5.0 U	4.7 U	4.1 U	1.1 J
1,1-Dichloroethene	240000	1100000	430 U	5.2 U	5.6 U	4.3 U	5.0 U	4.7 U	4.1 U	5.1 U
1,2,4-Trichlorobenzene	22000	99000	430 U	5.2 U	5.6 U	4.3 U	5.0 U	4.7 U	4.1 U	5.1 U
1,2-Dibromo-3-chloropropane (DBCP)	5.4	69	860 UJ	10 U	11 U	8.6 U	10 U	9.5 U	8.1 U	10 U
1,2-Dibromoethane (Ethylene dibromide)	34	170	430 U	5.2 U	5.6 U	4.3 U	5.0 U	4.7 U	4.1 U	5.1 U
1,2-Dichlorobenzene	1900000	9800000	430 U	5.2 U	5.6 U	4.3 U	5.0 U	4.7 U	4.1 U	5.1 U
1,2-Dichloroethane	430	2200	430 U	5.2 U	5.6 U	4.3 U	5.0 U	4.7 U	4.1 U	5.1 U
1,2-Dichloropropane	940	4700	430 U	5.2 U	5.6 U	4.3 U	5.0 U	4.7 U	4.1 U	5.1 U
1,3-Dichlorobenzene	-	-	430 U	5.2 U	5.6 U	4.3 U	5.0 U	4.7 U	4.1 U	5.1 U
1,4-Dichlorobenzene	2400	12000	430 U	5.2 U	5.6 U	4.3 U	5.0 U	4.7 U	4.1 U	5.1 U
2-Butanone (Methyl ethyl ketone) (MEK)	28000000	200000000	1700 U	21 U	22 U	17 U	1.9 J	5.1 J	16 U	20 U
2-Hexanone	210000	1400000	1700 U	21 U	22 U	17 U	20 U	19 U	16 U	20 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	5300000	53000000	1700 U	21 U	22 U	17 U	20 U	19 U	16 U	20 U
Acetone	61000000	630000000	1700 U	21 U	22 U	17 U	21 U	33 U	16 U	20 U
Benzene	1100	5400	430 U	5.2 U	5.6 U	4.3 U	5.0 U	0.22 J	4.1 U	0.38 J
Bromodichloromethane	270	1400	430 U	5.2 U	5.6 U	4.3 U	5.0 U	4.7 U	4.1 U	5.1 U
Bromoform	62000	220000	430 U	5.2 U	5.6 U	4.3 U	5.0 U	4.7 U	4.1 U	5.1 U
Bromomethane (Methyl bromide)	7300	32000	430 U	5.2 U	5.6 U	4.3 UJ	5.0 U	4.7 UJ	4.1 U	5.1 UJ
Carbon disulfide	820000	3700000	430 U	5.2 U	5.6 U	4.3 U	5.0 U	4.7 U	4.1 U	5.1 U
Carbon tetrachloride	610	3000	430 U	5.2 U	5.6 U	4.3 U	5.0 U	4.7 U	4.1 U	5.1 U
Chlorobenzene	290000	1400000	430 U	5.2 U	5.6 U	4.3 U	0.39 J	2.0 J	4.1 U	5.1 U
Chloroethane	15000000	61000000	430 U	5.2 U	5.6 U	4.3 UJ	5.0 U	4.7 UJ	4.1 U	5.1 UJ
Chloroform (Trichloromethane)	290	1500	430 U	5.2 U	5.6 U	4.3 U	5.0 U	4.7 U	4.1 U	5.1 U
Chloromethane (Methyl chloride)	120000	500000	430 U	5.2 U	5.6 U	4.3 U	5.0 U	4.7 U	4.1 U	5.1 U
cis-1,2-Dichloroethene	160000	2000000	230 J	5.2 U	5.6 U	4.3 U	0.64 J	4.7 U	4.1 U	5.1 U
cis-1,3-Dichloropropene	-	-	430 U	5.2 U	5.6 U	4.3 U	5.0 U	4.7 U	4.1 U	5.1 U
Cyclohexane	7000000	29000000	860 U	10 U	11 U	8.6 U	10 U	9.5 U	8.1 U	0.38 J
Dibromochloromethane	680	3300	430 U	5.2 U	5.6 U	4.3 U	5.0 U	4.7 U	4.1 U	5.1 U
Dichlorodifluoromethane (CFC-12)	94000	400000	430 U	5.2 U	5.6 U	4.3 U	5.0 U	4.7 U	4.1 U	5.1 U
Ethylbenzene	5400	27000	430 U	5.2 U	5.6 U	0.28 J	0.35 J	4.7 U	4.1 U	0.47 J
Isopropyl benzene	2100000	11000000	430 U	5.2 U	5.6 U	4.3 U	5.0 U	4.7 U	4.1 U	5.1 U
Methyl acetate	78000000	1000000000	860 U	10 U	11 U	8.6 U	10 U	9.5 U	8.1 U	10 U
Methyl cyclohexane	-	-	860 U	10 U	11 U	8.6 U	10 U	0.33 J	8.1 U	0.67 J
Methyl tert butyl ether (MTBE)	43000	220000	430 U	5.2 U	5.6 U	4.3 U	5.0 U	4.7 U	4.1 U	5.1 U
Methylene chloride	56000	960000	430 U	8.9 U	7.0 U	15 J	8.1 U	4.4 J	5.9 U	5.0 J
Styrene	6300000	36000000	430 U	5.2 U	5.6 U	4.3 U	5.0 U	4.7 U	4.1 U	5.1 U
Tetrachloroethene	22000	110000	430 U	5.2 U	5.6 U	1.0 J	5.0 U	4.7 U	4.1 U	5.1 U
Toluene	5000000	45000000	66 J	0.35 J	5.6 U	0.63 J	0.94 J	0.56 J	0.40 J	1.3 J
trans-1,2-Dichloroethene	150000	690000	430 U	5.2 U	5.6 U	4.3 U	5.0 U	4.7 U	4.1 U	5.1 U

TABLE 3

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

Sample Location:			*BH59-13*	*BH59-13*	*BH60-13*	*BH61-13*	*BH62-13*	*BH63-13*	*BH64-13*	*BH65-13*
Sample ID:			*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*	*S-38443-061913-JC-016*	*S-38443-062013-JC-031*
Sample Date:			*6/19/2013*	*6/19/2013*	*6/19/2013*	*6/19/2013*	*6/19/2013*	*6/20/2013*	*6/19/2013*	*6/20/2013*
Sample Depth:	*USEPA Regional Screening Levels [1]*		*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*	*22-24 ft BGS*	*22.1-24.1 ft BGS*
Parameter	*Residential Soil*	*Industrial Soil*								
	a	*b*								
trans-1,3-Dichloropropene	-	-	430 U	5.2 U	5.6 U	4.3 U	5.0 U	4.7 U	4.1 U	5.1 U
Trichloroethene	910	6400	2500[a]	0.83 J	5.6 U	0.37 J	5.0 U	4.7 U	1.4 J	5.1 U
Trichlorofluoromethane (CFC-11)	790000	3400000	430 U	5.2 U	5.6 U	4.3 U	5.0 U	4.7 U	4.1 U	5.1 U
Trifluorotrichloroethane (Freon 113)	43000000	180000000	430 U	5.2 U	5.6 U	4.3 U	5.0 U	4.7 U	4.1 U	5.1 U
Vinyl chloride	60	1700	430 U	5.2 U	5.6 U	4.3 U	5.0 U	4.7 U	4.1 U	5.1 U
Xylenes (total)	630000	2700000	860 U	10 U	11 U	8.6 U	10 U	9.5 U	8.1 U	10 U
PCBs										
Aroclor-1016 (PCB-1016)	3900	21000	-	-	-	34 U	35 U	-	-	35 U
Aroclor-1221 (PCB-1221)	140	540	-	-	-	34 U	35 U	-	-	35 U
Aroclor-1232 (PCB-1232)	140	540	-	-	-	34 U	35 U	-	-	35 U
Aroclor-1242 (PCB-1242)	220	740	-	-	-	34 U	35 U	-	-	35 U
Aroclor-1248 (PCB-1248)	220	740	-	-	-	34 U	35 U	-	-	35 U
Aroclor-1254 (PCB-1254)	220	740	-	-	-	34 U	35 U	-	-	35 U
Aroclor-1260 (PCB-1260)	220	740	-	-	-	34 U	35 U	-	-	35 U

TABLE 3

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

Sample Location:			*BH66-13*	*BH66-13*	*BH67-13*	*BH67-13*	*BH68-13*	*BH68-13*	*BH69-13*	*BH69-13*
Sample ID:			*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*	*S-38443-062113-JC-035*	*S-38443-062113-JC-036*
Sample Date:			*6/26/2013*	*6/26/2013*	*6/20/2013*	*6/20/2013*	*6/19/2013*	*6/19/2013*	*6/21/2013*	*6/21/2013*
Sample Depth:	*USEPA Regional Screening Levels [1]*		*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*	*21-23 ft BGS*	*21-23 ft BGS*
										Duplicate
Parameter	*Residential Soil*	*Industrial Soil*								
	a	*b*								
Volatile Organic Compounds										
1,1,1-Trichloroethane	8700000	38000000	11000 U	5.8 U	3600 U	5.0 U	270 U	4.3 U	4.7 U	4.4 U
1,1,2,2-Tetrachloroethane	560	2800	11000 U	5.8 U	3600 U	5.0 U	270 U	4.3 U	4.7 U	4.4 U
1,1,2-Trichloroethane	1100	5300	11000 U	5.8 U	3600 U	5.0 U	270 U	4.3 U	4.7 U	4.4 U
1,1-Dichloroethane	3300	17000	11000 U	5.8 U	3600 U	5.0 U	270 U	4.3 U	4.7 U	4.4 U
1,1-Dichloroethene	240000	1100000	11000 U	5.8 U	3600 U	5.0 U	270 U	4.3 U	4.7 U	4.4 U
1,2,4-Trichlorobenzene	22000	99000	11000 U	5.8 U	210 J	5.0 U	270 U	4.3 U	4.7 U	4.4 U
1,2-Dibromo-3-chloropropane (DBCP)	5.4	69	23000 UJ	12 UJ	7200 U	10 U	540 U	8.6 U	9.4 U	8.8 U
1,2-Dibromoethane (Ethylene dibromide)	34	170	11000 U	5.8 U	3600 U	5.0 U	270 U	4.3 U	4.7 U	4.4 U
1,2-Dichlorobenzene	1900000	9800000	11000 U	5.8 U	3600 U	5.0 U	270 U	1.1 J	4.7 U	4.4 U
1,2-Dichloroethane	430	2200	11000 U	5.8 U	3600 U	5.0 U	270 U	4.3 U	4.7 U	4.4 U
1,2-Dichloropropane	940	4700	11000 U	5.8 U	3600 U	5.0 U	270 U	4.3 U	4.7 U	4.4 U
1,3-Dichlorobenzene	-	-	11000 U	5.8 U	170 J	5.0 U	270 U	4.3 U	4.7 U	4.4 U
1,4-Dichlorobenzene	2400	12000	11000 U	5.8 U	3600 U	5.0 U	270 U	1.7 J	4.7 U	4.4 U
2-Butanone (Methyl ethyl ketone) (MEK)	28000000	200000000	46000 U	2.4 J	14000 U	20 U	1100 U	17 U	19 U	18 U
2-Hexanone	210000	1400000	46000 U	23 U	14000 U	20 U	1100 U	17 U	19 U	18 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	5300000	53000000	46000 U	23 U	14000 U	20 U	1100 U	1.5 J	19 U	18 U
Acetone	61000000	630000000	46000 U	23 U	4500 J	20 U	1100 U	21 U	19 U	18 U
Benzene	1100	5400	11000 U	5.8 U	3600 U	5.0 U	270 U	4.3 U	4.7 U	4.4 U
Bromodichloromethane	270	1400	11000 U	5.8 U	3600 U	5.0 U	270 U	4.3 U	4.7 U	4.4 U
Bromoform	62000	220000	11000 U	5.8 U	3600 U	5.0 U	270 U	4.3 U	4.7 U	4.4 U
Bromomethane (Methyl bromide)	7300	32000	11000 U	5.8 U	3600 UJ	5.0 U	270 U	4.3 UJ	4.7 U	4.4 U
Carbon disulfide	820000	3700000	11000 U	1.4 J	3600 U	5.0 U	270 U	4.3 U	4.7 U	4.4 U
Carbon tetrachloride	610	3000	11000 U	5.8 U	3600 U	5.0 U	270 U	4.3 U	4.7 U	4.4 U
Chlorobenzene	290000	1400000	1000 J	2.9 J	320 J	0.49 J	270 U	0.87 J	4.7 U	4.4 U
Chloroethane	15000000	61000000	11000 U	5.8 U	3600 UJ	5.0 U	270 U	4.3 UJ	4.7 U	4.4 U
Chloroform (Trichloromethane)	290	1500	11000 U	5.8 U	3600 U	5.0 U	270 U	4.3 U	4.7 U	4.4 U
Chloromethane (Methyl chloride)	120000	500000	11000 U	5.8 U	3600 U	5.0 U	270 U	4.3 U	4.7 U	4.4 U
cis-1,2-Dichloroethene	160000	2000000	11000 U	5.8 U	890 J	2.0 J	270 U	4.3 U	6.7	2.2 J
cis-1,3-Dichloropropene	-	-	11000 U	5.8 U	3600 U	5.0 U	270 U	4.3 U	4.7 U	4.4 U
Cyclohexane	7000000	29000000	23000 U	12 U	7200 U	10 U	540 U	8.6 U	9.4 U	8.8 U
Dibromochloromethane	680	3300	11000 U	5.8 U	3600 U	5.0 U	270 U	4.3 U	4.7 U	4.4 U
Dichlorodifluoromethane (CFC-12)	94000	400000	11000 U	5.8 U	3600 U	5.0 U	270 U	4.3 U	4.7 U	4.4 U
Ethylbenzene	5400	27000	56000[ab]	1.1 J	59000[ab]	5.0 U	270 U	4.3 U	4.7 U	4.4 U
Isopropyl benzene	2100000	11000000	13000	5.8 U	3600	5.0 U	270 U	4.3 U	4.7 U	4.4 U
Methyl acetate	78000000	1000000000	23000 U	12 U	650 J	10 U	150 J	8.6 U	9.4 U	8.8 U
Methyl cyclohexane	-	-	53000	0.78 J	790 J	10 U	37 J	8.6 U	9.4 U	8.8 U
Methyl tert butyl ether (MTBE)	43000	220000	11000 U	5.8 U	3600 U	5.0 U	270 U	4.3 U	4.7 U	4.4 U
Methylene chloride	56000	960000	20000 U	11 U	4000	6.3 UJ	270 U	11 J	4.9 UJ	7.6 UJ
Styrene	6300000	36000000	11000 U	5.8 U	3600 U	5.0 U	270 U	4.3 U	4.7 U	4.4 U
Tetrachloroethene	22000	110000	11000 U	5.8 U	3600 U	5.0 U	270 U	4.3 U	3.9 J	1.2 J
Toluene	5000000	45000000	11000 U	2.0 J	1400 J	0.86 J	24 J	0.39 J	0.46 J	4.4 U
trans-1,2-Dichloroethene	150000	690000	11000 U	5.8 U	3600 U	5.0 U	270 U	4.3 U	4.7 U	4.4 U

TABLE 3

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

Sample Location:			*BH66-13*	*BH66-13*	*BH67-13*	*BH67-13*	*BH68-13*	*BH68-13*	*BH69-13*	*BH69-13*
Sample ID:			*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*	*S-38443-062113-JC-035*	*S-38443-062113-JC-036*
Sample Date:			*6/26/2013*	*6/26/2013*	*6/20/2013*	*6/20/2013*	*6/19/2013*	*6/19/2013*	*6/21/2013*	*6/21/2013*
Sample Depth:	*USEPA Regional Screening Levels [1]*		*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*	*21-23 ft BGS*	*21-23 ft BGS*
										Duplicate
Parameter	*Residential Soil*	*Industrial Soil*								
	a	*b*								
trans-1,3-Dichloropropene	-	-	11000 U	5.8 U	3600 U	5.0 U	270 U	4.3 U	4.7 U	4.4 U
Trichloroethene	910	6400	11000 U	5.8 U	1800 J[a]	1.9 J	180 J	4.3 U	25	9.0
Trichlorofluoromethane (CFC-11)	790000	3400000	11000 U	5.8 U	3600 U	5.0 U	270 U	4.3 U	4.7 U	4.4 U
Trifluorotrichloroethane (Freon 113)	43000000	180000000	11000 U	5.8 U	3600 U	5.0 U	270 U	4.3 U	4.7 U	4.4 U
Vinyl chloride	60	1700	11000 U	5.8 U	3600 U	5.0 U	270 U	4.3 U	4.7 U	4.4 U
Xylenes (total)	630000	2700000	140000	2.9 J	73000	10 U	110 J	8.6 U	9.4 U	8.8 U
PCBs										
Aroclor-1016 (PCB-1016)	3900	21000	75 U	40 U	2000 U	39 U	-	-	35 U	36 U
Aroclor-1221 (PCB-1221)	140	540	75 U	40 U	2000 U	39 U	-	-	35 U	36 U
Aroclor-1232 (PCB-1232)	140	540	75 U	40 U	2000 U	39 U	-	-	35 U	36 U
Aroclor-1242 (PCB-1242)	220	740	380[a]	40 U	2000 U	44	-	-	35 U	36 U
Aroclor-1248 (PCB-1248)	220	740	75 U	40 U	2000 U	39 U	-	-	35 U	36 U
Aroclor-1254 (PCB-1254)	220	740	300 NJ[a]	40 UJ	16000[ab]	290[a]	-	-	35 U	36 U
Aroclor-1260 (PCB-1260)	220	740	75 UJ	40 UJ	2000 U	39 U	-	-	35 U	36 U

TABLE 3

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

Sample Location:			*BH70-13*	*BH71-13*	*BH72-13*	*BH73-13*	*BH74-13*	*BH74-13*	*BH75-13*	*BH75-13*
Sample ID:			*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*	*S-38443-062513-JT-045*	*S-38443-062513-JT-046*
Sample Date:			*6/21/2013*	*6/20/2013*	*6/20/2013*	*6/20/2013*	*6/20/2013*	*6/20/2013*	*6/25/2013*	*6/25/2013*
Sample Depth:	*USEPA Regional Screening Levels [1]*		*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*	*0-2 ft BGS*	*20-22 ft BGS*
Parameter	*Residential Soil*	*Industrial Soil*								
	a	*b*								
Volatile Organic Compounds										
1,1,1-Trichloroethane	8700000	38000000	5.3 U	5.5 U	4.8 U	5.6 U	6.5 U	5.6 U	970 U	4.5 U
1,1,2,2-Tetrachloroethane	560	2800	5.3 U	5.5 U	4.8 U	5.6 U	6.5 U	5.6 U	970 U	4.5 U
1,1,2-Trichloroethane	1100	5300	5.3 U	5.5 U	4.8 U	5.6 U	6.5 U	5.6 U	970 U	4.5 U
1,1-Dichloroethane	3300	17000	5.3 U	5.5 U	4.8 U	5.6 U	6.5 U	5.6 U	560 J	4.5 U
1,1-Dichloroethene	240000	1100000	5.3 U	5.5 U	4.8 U	5.6 U	6.5 U	5.6 U	970 U	4.5 U
1,2,4-Trichlorobenzene	22000	99000	5.3 U	5.5 U	4.8 U	5.6 U	6.5 U	5.6 U	970 U	4.5 U
1,2-Dibromo-3-chloropropane (DBCP)	5.4	69	11 U	11 U	9.5 U	11 U	13 U	11 U	1900 U	9.0 U
1,2-Dibromoethane (Ethylene dibromide)	34	170	5.3 U	5.5 U	4.8 U	5.6 U	6.5 U	5.6 U	970 U	4.5 U
1,2-Dichlorobenzene	1900000	9800000	5.3 U	5.5 U	4.8 U	5.6 U	6.5 U	5.6 U	970 U	4.5 U
1,2-Dichloroethane	430	2200	5.3 U	5.5 U	4.8 U	5.6 U	6.5 U	5.6 U	970 U	4.5 U
1,2-Dichloropropane	940	4700	5.3 U	5.5 U	4.8 U	5.6 U	6.5 U	5.6 U	970 U	4.5 U
1,3-Dichlorobenzene	-	-	5.3 U	5.5 U	4.8 U	5.6 U	6.5 U	5.6 U	970 U	4.5 U
1,4-Dichlorobenzene	2400	12000	5.3 U	5.5 U	4.8 U	5.6 U	6.5 U	5.6 U	970 U	4.5 U
2-Butanone (Methyl ethyl ketone) (MEK)	28000000	200000000	21 U	22 U	19 U	22 U	26 U	22 U	3900 U	3.8 J
2-Hexanone	210000	1400000	21 U	22 U	19 U	22 U	26 U	22 U	3900 U	18 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	5300000	53000000	21 U	22 U	19 U	22 U	26 U	22 U	3900 U	1.0 J
Acetone	61000000	630000000	21 U	22 U	36 U	22 U	26 U	22 U	6300 U	26 UJ
Benzene	1100	5400	5.3 U	5.5 U	0.88 J	5.6 U	6.5 U	5.6 U	200 J	0.78 J
Bromodichloromethane	270	1400	5.3 U	5.5 U	4.8 U	5.6 U	6.5 U	5.6 U	970 U	4.5 U
Bromoform	62000	220000	5.3 U	5.5 U	4.8 U	5.6 U	6.5 U	5.6 U	970 U	4.5 U
Bromomethane (Methyl bromide)	7300	32000	5.3 U	5.5 U	4.8 U	5.6 UJ	6.5 UJ	5.6 UJ	970 UJ	4.5 UJ
Carbon disulfide	820000	3700000	5.3 U	5.5 U	0.72 J	5.6 U	6.5 U	5.6 U	970 U	4.5 U
Carbon tetrachloride	610	3000	5.3 U	5.5 U	4.8 U	5.6 U	6.5 U	5.6 U	970 U	4.5 U
Chlorobenzene	290000	1400000	5.3 U	5.5 U	4.8 U	5.6 U	6.5 U	5.6 U	630 J	2.7 J
Chloroethane	15000000	61000000	5.3 U	5.5 U	4.8 U	5.6 UJ	6.5 UJ	5.6 UJ	970 UJ	4.5 UJ
Chloroform (Trichloromethane)	290	1500	5.3 U	5.5 U	4.8 U	5.6 U	0.40 J	5.6 U	970 U	4.5 U
Chloromethane (Methyl chloride)	120000	500000	5.3 U	5.5 U	4.8 U	5.6 U	6.5 U	5.6 U	970 U	4.5 U
cis-1,2-Dichloroethene	160000	2000000	0.39 J	5.5 U	34	5.6 U	6.5 U	5.6 U	970 U	4.5 U
cis-1,3-Dichloropropene	-	-	5.3 U	5.5 U	4.8 U	5.6 U	6.5 U	5.6 U	970 U	4.5 U
Cyclohexane	7000000	29000000	11 U	11 U	2.3 J	11 U	13 U	11 U	1900 U	0.38 J
Dibromochloromethane	680	3300	5.3 U	5.5 U	4.8 U	5.6 U	6.5 U	5.6 U	970 U	4.5 U
Dichlorodifluoromethane (CFC-12)	94000	400000	5.3 U	5.5 U	4.8 U	5.6 U	6.5 U	5.6 U	R	4.5 U
Ethylbenzene	5400	27000	5.3 U	5.5 U	1.8 J	0.35 J	6.5 U	5.6 U	1400	0.34 J
Isopropyl benzene	2100000	11000000	5.3 U	5.5 U	4.8 U	5.6 U	6.5 U	5.6 U	790 J	4.5 U
Methyl acetate	78000000	1000000000	11 U	11 U	9.5 U	11 U	13 U	11 U	110 J	9.0 U
Methyl cyclohexane	-	-	11 U	11 U	2.8 J	11 U	13 U	11 U	530 J	1.3 J
Methyl tert butyl ether (MTBE)	43000	220000	5.3 U	5.5 U	4.8 U	5.6 U	6.5 U	5.6 U	970 U	4.5 U
Methylene chloride	56000	960000	5.3 UJ	5.5 UJ	4.8 UJ	8.8 J	8.9 J	7.4 J	3100 U	14 J
Styrene	6300000	36000000	5.3 U	5.5 U	4.8 U	5.6 U	6.5 U	5.6 U	970 U	4.5 U
Tetrachloroethene	22000	110000	1.2 J	5.5 U	3.1 J	5.6 U	6.5 U	5.6 U	970 U	4.5 U
Toluene	5000000	45000000	0.53 J	0.69 J	3.5 J	0.65 J	6.5 U	0.47 J	1500	0.67 J
trans-1,2-Dichloroethene	150000	690000	5.3 U	5.5 U	4.8 U	5.6 U	6.5 U	5.6 U	970 U	4.5 U

TABLE 3

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

Sample Location:			*BH70-13*	*BH71-13*	*BH72-13*	*BH73-13*	*BH74-13*	*BH74-13*	*BH75-13*	*BH75-13*
Sample ID:			*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*	*S-38443-062513-JT-045*	*S-38443-062513-JT-046*
Sample Date:			*6/21/2013*	*6/20/2013*	*6/20/2013*	*6/20/2013*	*6/20/2013*	*6/20/2013*	*6/25/2013*	*6/25/2013*
Sample Depth:	*USEPA Regional Screening Levels [1]*		*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*	*0-2 ft BGS*	*20-22 ft BGS*
Parameter	*Residential Soil*	*Industrial Soil*								
	a	*b*								
trans-1,3-Dichloropropene	-	-	5.3 U	5.5 U	4.8 U	5.6 U	6.5 U	5.6 U	970 U	4.5 U
Trichloroethene	910	6400	110	3.6 J	80	5.6 U	3.3 J	0.71 J	130 J	4.5 U
Trichlorofluoromethane (CFC-11)	790000	3400000	5.3 U	5.5 U	4.8 U	5.6 U	6.5 U	5.6 U	970 U	4.5 U
Trifluorotrichloroethane (Freon 113)	43000000	180000000	5.3 U	5.5 U	4.8 U	5.6 U	6.5 U	5.6 U	970 U	4.5 U
Vinyl chloride	60	1700	5.3 U	5.5 U	4.8 U	5.6 U	6.5 U	5.6 U	970 U	4.5 U
Xylenes (total)	630000	2700000	11 U	11 U	3.3 J	11 U	13 U	11 U	8100	9.0 U
PCBs										
Aroclor-1016 (PCB-1016)	3900	21000	-	-	-	35 U	-	-	-	-
Aroclor-1221 (PCB-1221)	140	540	-	-	-	35 U	-	-	-	-
Aroclor-1232 (PCB-1232)	140	540	-	-	-	35 U	-	-	-	-
Aroclor-1242 (PCB-1242)	220	740	-	-	-	35 U	-	-	-	-
Aroclor-1248 (PCB-1248)	220	740	-	-	-	35 U	-	-	-	-
Aroclor-1254 (PCB-1254)	220	740	-	-	-	35 U	-	-	-	-
Aroclor-1260 (PCB-1260)	220	740	-	-	-	35 U	-	-	-	-

TABLE 3

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

Sample Location:			*BH76-13*	*BH76-13*	*BH77-13*	*BH78-13*	*BH78-13*	*BH79-13*	*BH79-13*	*BH80-13*
Sample ID:			*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*	*S-38443-062613-JC-057*	*S-38443-062413-SM-042*
Sample Date:			*6/25/2013*	*6/25/2013*	*6/25/2013*	*6/25/2013*	*6/25/2013*	*6/26/2013*	*6/26/2013*	*6/24/2013*
Sample Depth:	*USEPA Regional Screening Levels [1]*		*8-10 ft BGS*	*18-20 ft BGS*	*20-22 ft BGS*	*20-22 ft BGS*	*20-22 ft BGS*	*4-6 ft BGS*	*21-23 ft BGS*	*22.5-24.5 ft BGS*
							Duplicate			
Parameter	*Residential Soil*	*Industrial Soil*								
	a	*b*								
Volatile Organic Compounds										
1,1,1-Trichloroethane	8700000	38000000	260 U	11 U	290 U	4.7 U	4.0 U	280 U	4.3 U	5.0 U
1,1,2,2-Tetrachloroethane	560	2800	260 U	11 UJ	290 U	4.7 U	4.0 U	280 U	R	5.0 U
1,1,2-Trichloroethane	1100	5300	260 U	11 U	290 U	4.7 U	4.0 U	280 U	4.3 U	5.0 U
1,1-Dichloroethane	3300	17000	260 U	1.3 J	290 U	4.7 U	4.0 U	280 U	4.3 U	5.0 U
1,1-Dichloroethene	240000	1100000	260 U	11 U	290 U	4.7 U	4.0 U	280 U	4.3 U	5.0 U
1,2,4-Trichlorobenzene	22000	99000	260 U	11 UJ	130 J	4.7 U	4.0 U	280 U	R	5.0 U
1,2-Dibromo-3-chloropropane (DBCP)	5.4	69	520 U	23 UJ	580 U	9.5 U	8.0 U	560 U	R	10 U
1,2-Dibromoethane (Ethylene dibromide)	34	170	260 U	11 U	290 U	4.7 U	4.0 U	280 U	4.3 U	5.0 U
1,2-Dichlorobenzene	1900000	9800000	260 U	11 UJ	290 U	4.7 U	4.0 U	280 U	6.9 J	5.0 U
1,2-Dichloroethane	430	2200	260 U	11 U	290 U	4.7 U	4.0 U	280 U	4.3 U	5.0 U
1,2-Dichloropropane	940	4700	260 U	11 U	290 U	4.7 U	4.0 U	280 U	4.3 U	5.0 U
1,3-Dichlorobenzene	-	-	260 U	11 UJ	180 J	4.7 U	4.0 U	23 J	1.7 J	5.0 U
1,4-Dichlorobenzene	2400	12000	260 U	11 UJ	2900[a]	4.7 U	4.0 U	280 U	18 J	5.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	28000000	200000000	1000 U	45 U	1200 U	3.8 J	3.8 J	1100 U	3.7 J	5.3 J
2-Hexanone	210000	1400000	1000 U	45 U	1200 U	19 U	16 U	1100 U	17 U	20 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	5300000	53000000	100 J	45 U	1200 U	0.64 J	16 U	1100 U	17 U	20 U
Acetone	61000000	630000000	1400 U	61 UJ	1900 U	24 UJ	26 UJ	1100 U	27 U	38 U
Benzene	1100	5400	260 U	11 U	320	0.23 J	1.3 J	280 U	4.3 U	0.25 J
Bromodichloromethane	270	1400	260 U	11 U	290 U	4.7 U	4.0 U	280 U	4.3 U	5.0 U
Bromoform	62000	220000	260 U	11 U	290 U	4.7 U	4.0 U	280 U	4.3 U	5.0 U
Bromomethane (Methyl bromide)	7300	32000	260 UJ	11 UJ	290 UJ	4.7 UJ	4.0 UJ	280 UJ	4.3 U	5.0 UJ
Carbon disulfide	820000	3700000	260 U	11 U	290 U	0.47 J	0.93 J	18 J	1.4 J	5.0 U
Carbon tetrachloride	610	3000	260 U	11 U	290 U	4.7 U	4.0 U	280 U	4.3 U	5.0 U
Chlorobenzene	290000	1400000	260 U	11 U	1400	4.7 U	0.37 J	280 U	56	0.39 J
Chloroethane	15000000	61000000	260 UJ	63 J	290 UJ	4.7 UJ	4.0 UJ	280 UJ	4.3 U	5.0 UJ
Chloroform (Trichloromethane)	290	1500	260 U	11 U	290 U	4.7 U	0.25 J	280 U	4.3 U	5.0 U
Chloromethane (Methyl chloride)	120000	500000	260 U	11 U	290 U	4.7 U	4.0 U	280 U	4.3 U	5.0 U
cis-1,2-Dichloroethene	160000	2000000	260 U	11 U	290 U	4.7 U	4.0 U	280 U	4.3 U	5.0 U
cis-1,3-Dichloropropene	-	-	260 U	11 U	290 U	4.7 U	4.0 U	280 U	4.3 U	5.0 U
Cyclohexane	7000000	29000000	520 U	23 U	580 U	9.5 U	0.50 J	560 U	1.5 J	10 U
Dibromochloromethane	680	3300	260 U	11 U	290 U	4.7 U	4.0 U	280 U	4.3 U	5.0 U
Dichlorodifluoromethane (CFC-12)	94000	400000	R	11 U	R	4.7 U	4.0 U	280 U	4.3 U	5.0 U
Ethylbenzene	5400	27000	38 J	11 U	54 J	0.57 J	0.45 J	93 J	0.69 J	5.0 U
Isopropyl benzene	2100000	11000000	18 J	11 U	1000	0.34 J	0.46 J	88 J	0.71 J	5.0 U
Methyl acetate	78000000	1000000000	68 J	23 U	230 J	9.5 U	8.0 U	190 J	8.7 U	10 U
Methyl cyclohexane	-	-	520 U	23 U	970	9.5 U	1.2 J	75 J	2.8 J	10 U
Methyl tert butyl ether (MTBE)	43000	220000	260 U	2.0 J	290 U	4.7 U	4.0 U	280 U	4.3 U	5.0 U
Methylene chloride	56000	960000	870 U	33 J	960 U	13 J	13 J	310 U	9.3 U	13 U
Styrene	6300000	36000000	260 U	11 U	290 U	4.7 U	4.0 U	280 U	4.3 U	5.0 U
Tetrachloroethene	22000	110000	260 U	11 U	290 U	4.7 U	4.0 U	280 U	1.2 J	5.0 U
Toluene	5000000	45000000	31 J	11 U	76 J	0.76 J	1.0 J	100 J	1.8 J	5.0 U
trans-1,2-Dichloroethene	150000	690000	260 U	11 U	290 U	4.7 U	4.0 U	280 U	4.3 U	5.0 U

TABLE 3

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

Sample Location:			*BH76-13*	*BH76-13*	*BH77-13*	*BH78-13*	*BH78-13*	*BH79-13*	*BH79-13*	*BH80-13*
Sample ID:			*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*	*S-38443-062613-JC-057*	*S-38443-062413-SM-042*
Sample Date:			*6/25/2013*	*6/25/2013*	*6/25/2013*	*6/25/2013*	*6/25/2013*	*6/26/2013*	*6/26/2013*	*6/24/2013*
Sample Depth:	*USEPA Regional Screening Levels [1]*		*8-10 ft BGS*	*18-20 ft BGS*	*20-22 ft BGS*	*20-22 ft BGS*	*20-22 ft BGS*	*4-6 ft BGS*	*21-23 ft BGS*	*22.5-24.5 ft BGS*
							Duplicate			
Parameter	*Residential Soil*	*Industrial Soil*								
	a	*b*								
trans-1,3-Dichloropropene	-	-	260 U	11 U	290 U	4.7 U	4.0 U	280 U	4.3 U	5.0 U
Trichloroethene	910	6400	260 U	11 U	290 U	4.7 U	4.0 U	280 U	4.3 U	5.0 U
Trichlorofluoromethane (CFC-11)	790000	3400000	260 U	11 U	290 U	4.7 U	4.0 U	280 U	4.3 U	5.0 U
Trifluorotrichloroethane (Freon 113)	43000000	180000000	260 U	11 U	290 U	4.7 U	4.0 U	280 U	4.3 U	5.0 U
Vinyl chloride	60	1700	260 U	11 U	290 U	4.7 U	4.0 U	280 U	4.3 U	5.0 U
Xylenes (total)	630000	2700000	130 J	23 U	280 J	1.6 J	1.7 J	200 J	1.9 J	10 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

Sample Location:			*BH81-13*	*BH81-13*	*BH82-13*	*BH83-13*	*BH83-13*	*BH84-13*	*BH84-13*	*BH85-13*
Sample ID:			*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*	*S-38443-062613-JT-049*	*S-38443-062513-JC-040*
Sample Date:			*6/26/2013*	*6/26/2013*	*6/24/2013*	*6/24/2013*	*6/24/2013*	*6/26/2013*	*6/26/2013*	*6/25/2013*
Sample Depth:	*USEPA Regional Screening Levels [1]*		*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*	*19-21 ft BGS*	*8-10 ft BGS*
Parameter	*Residential Soil*	*Industrial Soil*								
	a	*b*								
Volatile Organic Compounds										
1,1,1-Trichloroethane	8700000	38000000	600 U	5.2 U	14 UJ	5.3 U	6.4 U	4.9 U	5.2 U	460 U
1,1,2,2-Tetrachloroethane	560	2800	600 U	5.2 U	R	5.3 UJ	6.4 UJ	4.9 U	5.2 U	460 U
1,1,2-Trichloroethane	1100	5300	600 U	5.2 U	R	5.3 U	6.4 U	4.9 U	5.2 U	460 U
1,1-Dichloroethane	3300	17000	77 J	5.2 U	14 UJ	5.3 U	6.4 U	1.9 J	5.2 U	460 U
1,1-Dichloroethene	240000	1100000	600 U	5.2 U	14 UJ	5.3 U	6.4 U	4.9 U	5.2 U	460 U
1,2,4-Trichlorobenzene	22000	99000	600 U	5.2 U	R	5.3 UJ	6.4 UJ	4.9 U	5.2 U	460 U
1,2-Dibromo-3-chloropropane (DBCP)	5.4	69	1200 U	10 UJ	R	11 UJ	13 UJ	9.8 UJ	10 UJ	910 U
1,2-Dibromoethane (Ethylene dibromide)	34	170	600 U	5.2 U	R	5.3 U	6.4 U	4.9 U	5.2 U	460 U
1,2-Dichlorobenzene	1900000	9800000	600 U	5.2 U	R	5.3 UJ	6.4 UJ	4.9 U	5.2 U	460 U
1,2-Dichloroethane	430	2200	600 U	5.2 U	14 UJ	5.3 U	6.4 U	4.9 U	5.2 U	460 U
1,2-Dichloropropane	940	4700	600 U	5.2 U	14 UJ	5.3 U	6.4 U	4.9 U	5.2 U	460 U
1,3-Dichlorobenzene	-	-	600 U	5.2 U	4.0 J	5.3 UJ	6.4 UJ	4.9 U	5.2 U	460 U
1,4-Dichlorobenzene	2400	12000	600 U	5.2 U	R	5.3 UJ	6.4 UJ	4.9 U	5.2 U	460 U
2-Butanone (Methyl ethyl ketone) (MEK)	28000000	200000000	2400 U	4.4 J	19 J	9.8 J	16 J	6.1 J	21 U	1800 U
2-Hexanone	210000	1400000	2400 U	21 U	R	21 U	26 U	20 U	21 U	1800 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	5300000	53000000	2400 U	21 U	56 J	21 U	26 U	20 U	21 U	1800 U
Acetone	61000000	630000000	2400 U	28 U	210 UJ	94 U	81 U	39 U	21 U	2200 U
Benzene	1100	5400	38 J	0.62 J	14 UJ	0.32 J	1.6 J	4.9 U	5.2 U	460 U
Bromodichloromethane	270	1400	600 U	5.2 U	R	5.3 U	6.4 U	4.9 U	5.2 U	460 U
Bromoform	62000	220000	600 U	5.2 U	R	5.3 U	6.4 U	4.9 U	5.2 U	460 U
Bromomethane (Methyl bromide)	7300	32000	600 UJ	5.2 U	14 UJ	5.3 UJ	6.4 UJ	4.9 U	5.2 U	460 UJ
Carbon disulfide	820000	3700000	600 U	2.4 J	2.9 J	2.8 J	0.58 J	4.9 U	5.2 U	460 U
Carbon tetrachloride	610	3000	600 U	5.2 U	14 UJ	5.3 U	6.4 U	4.9 U	5.2 U	460 U
Chlorobenzene	290000	1400000	600 U	12	R	5.3 U	2.1 J	1.4 J	5.2 U	460 U
Chloroethane	15000000	61000000	600 UJ	5.2 U	14 UJ	5.3 UJ	6.4 UJ	4.9 U	5.2 U	460 UJ
Chloroform (Trichloromethane)	290	1500	600 U	5.2 U	14 UJ	0.34 J	6.4 U	4.9 U	5.2 U	460 U
Chloromethane (Methyl chloride)	120000	500000	600 U	5.2 U	14 UJ	5.3 U	6.4 U	4.9 U	5.2 U	460 U
cis-1,2-Dichloroethene	160000	2000000	580 J	5.2 U	14 UJ	5.3 U	6.4 U	4.9 U	5.2 U	460 U
cis-1,3-Dichloropropene	-	-	600 U	5.2 U	14 UJ	5.3 U	6.4 U	4.9 U	5.2 U	460 U
Cyclohexane	7000000	29000000	1200 U	2.0 J	27 UJ	11 U	1.1 J	9.8 U	10 U	910 U
Dibromochloromethane	680	3300	600 U	5.2 U	R	5.3 U	6.4 U	4.9 U	5.2 U	460 U
Dichlorodifluoromethane (CFC-12)	94000	400000	600 U	5.2 U	14 UJ	5.3 U	6.4 U	4.9 U	5.2 U	R
Ethylbenzene	5400	27000	5300	1.6 J	R	1.4 J	6.4 U	0.95 J	5.2 U	29 J
Isopropyl benzene	2100000	11000000	330 J	4.9 J	R	5.3 U	6.4 U	4.9 U	5.2 U	210 J
Methyl acetate	78000000	1000000000	230 J	10 U	27 UJ	11 U	13 U	9.8 U	10 U	910 U
Methyl cyclohexane	-	-	200 J	1.5 J	1.5 J	11 U	2.7 J	9.8 U	10 U	910 U
Methyl tert butyl ether (MTBE)	43000	220000	600 U	5.2 U	14 UJ	5.3 U	6.4 U	4.9 U	5.2 U	460 U
Methylene chloride	56000	960000	600 U	12 U	160 UJ	16 U	21 U	7.7 U	7.9 U	1300 U
Styrene	6300000	36000000	600 U	5.2 U	R	5.3 U	6.4 U	4.9 U	5.2 U	460 U
Tetrachloroethene	22000	110000	600 U	5.2 U	R	5.3 U	6.4 U	4.9 U	5.2 U	460 U
Toluene	5000000	45000000	390 J	1.7 J	R	5.3 U	6.4 U	4.9 U	0.51 J	74 J
trans-1,2-Dichloroethene	150000	690000	46 J	5.2 U	14 UJ	5.3 U	6.4 U	4.9 U	5.2 U	460 U

TABLE 3

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

Sample Location:			*BH81-13*	*BH81-13*	*BH82-13*	*BH83-13*	*BH83-13*	*BH84-13*	*BH84-13*	*BH85-13*
Sample ID:			*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*	*S-38443-062613-JT-049*	*S-38443-062513-JC-040*
Sample Date:			*6/26/2013*	*6/26/2013*	*6/24/2013*	*6/24/2013*	*6/24/2013*	*6/26/2013*	*6/26/2013*	*6/25/2013*
Sample Depth:	*USEPA Regional Screening Levels [1]*		*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*	*19-21 ft BGS*	*8-10 ft BGS*
Parameter	*Residential Soil*	*Industrial Soil*								
	a	*b*								
trans-1,3-Dichloropropene	-	-	600 U	5.2 U	R	5.3 U	6.4 U	4.9 U	5.2 U	460 U
Trichloroethene	910	6400	1200 J[a]	2.1 J	14 UJ	5.3 U	6.4 U	4.9 U	0.47 J	460 U
Trichlorofluoromethane (CFC-11)	790000	3400000	600 U	5.2 U	14 UJ	5.3 U	6.4 U	4.9 U	5.2 U	460 U
Trifluorotrichloroethane (Freon 113)	43000000	180000000	600 U	5.2 U	14 UJ	5.3 U	6.4 U	4.9 U	5.2 U	460 U
Vinyl chloride	60	1700	50 J	5.2 U	59 J	5.3 U	6.4 U	1.7 J	5.2 U	460 U
Xylenes (total)	630000	2700000	7200	6.4 J	R	11 U	4.0 J	1.2 J	10 U	120 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

Sample Location:			*BH85-13*	*BH86-13*	*BH87-13*	*BH87-13*	*BH88-13*	*BH89-13*	*BH90-13*	*BH91-13*
Sample ID:			*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*	*S-38443-070813-JL-088*	*S-38443-062713-JC-072*
Sample Date:			*6/25/2013*	*6/24/2013*	*6/26/2013*	*6/26/2013*	*6/24/2013*	*6/24/2013*	*7/8/2013*	*6/27/2013*
Sample Depth:	*USEPA Regional Screening Levels [1]*		*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*	*26.5-28.5 ft BGS*	*23-25 ft BGS*
						Duplicate				
Parameter	*Residential Soil*	*Industrial Soil*								
	a	*b*								
Volatile Organic Compounds										
1,1,1-Trichloroethane	8700000	38000000	4.6 U	5.1 U	430 U	11 UJ	12 U	5.3 U	1500	10 U
1,1,2,2-Tetrachloroethane	560	2800	4.6 U	5.1 U	430 U	R	R	5.3 U	390 U	10 U
1,1,2-Trichloroethane	1100	5300	4.6 U	5.1 U	430 U	11 UJ	12 UJ	5.3 U	45 J	10 U
1,1-Dichloroethane	3300	17000	4.6 U	5.1 U	430 U	17 J	12 U	5.3 U	720	10 U
1,1-Dichloroethene	240000	1100000	4.6 U	5.1 U	430 U	11 UJ	12 U	5.3 U	79 J	10 U
1,2,4-Trichlorobenzene	22000	99000	4.6 U	5.1 U	430 U	R	R	5.3 U	390 U	10 U
1,2-Dibromo-3-chloropropane (DBCP)	5.4	69	9.3 U	10 U	870 UJ	R	R	11 U	780 U	21 U
1,2-Dibromoethane (Ethylene dibromide)	34	170	4.6 U	5.1 U	430 U	11 UJ	12 U	5.3 U	390 U	10 U
1,2-Dichlorobenzene	1900000	9800000	4.6 U	5.1 U	430 U	R	R	5.3 U	390 U	10 U
1,2-Dichloroethane	430	2200	4.6 U	5.1 U	430 U	11 UJ	12 U	5.3 U	390 U	10 U
1,2-Dichloropropane	940	4700	4.6 U	5.1 U	430 U	11 UJ	12 U	5.3 U	390 U	10 U
1,3-Dichlorobenzene	-	-	4.6 U	5.1 U	430 U	R	0.89 J	5.3 U	390 U	10 U
1,4-Dichlorobenzene	2400	12000	4.6 U	5.1 U	430 U	R	R	5.3 U	390 U	10 U
2-Butanone (Methyl ethyl ketone) (MEK)	28000000	200000000	19 U	12 J	1700 U	43 UJ	47 U	21 U	1600 U	3.0 J
2-Hexanone	210000	1400000	19 U	20 U	1700 U	43 UJ	47 UJ	21 U	1600 U	41 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	5300000	53000000	19 U	20 U	1700 U	43 UJ	47 UJ	21 U	1600 U	41 U
Acetone	61000000	630000000	23 U	88 U	1700 U	43 UJ	92 U	21 U	1600 U	41 U
Benzene	1100	5400	4.6 U	5.1 U	430 U	11 UJ	12 U	5.3 U	390 U	10 U
Bromodichloromethane	270	1400	4.6 U	5.1 U	430 U	11 UJ	12 U	5.3 U	390 U	10 U
Bromoform	62000	220000	4.6 U	5.1 U	430 U	11 UJ	12 UJ	5.3 U	390 U	10 U
Bromomethane (Methyl bromide)	7300	32000	4.6 UJ	5.1 UJ	430 U	11 UJ	12 UJ	5.3 UJ	390 U	10 U
Carbon disulfide	820000	3700000	4.6 U	3.2 J	430 U	11 UJ	12 U	5.3 U	24 J	10 U
Carbon tetrachloride	610	3000	4.6 U	5.1 U	430 U	11 UJ	12 U	5.3 U	390 U	10 U
Chlorobenzene	290000	1400000	4.6 U	5.1 U	430 U	11 UJ	12 UJ	5.3 U	750	10 U
Chloroethane	15000000	61000000	4.6 UJ	5.1 UJ	430 U	19 J	12 UJ	5.3 UJ	390 U	10 U
Chloroform (Trichloromethane)	290	1500	4.6 U	5.1 U	430 U	11 UJ	12 U	0.40 J	390 U	10 U
Chloromethane (Methyl chloride)	120000	500000	4.6 U	5.1 U	430 U	11 UJ	12 U	5.3 U	390 U	10 U
cis-1,2-Dichloroethene	160000	2000000	4.6 U	5.1 U	430 U	11 UJ	12 U	5.3 U	1100	10 U
cis-1,3-Dichloropropene	-	-	4.6 U	5.1 U	430 U	11 UJ	12 U	5.3 U	390 U	10 U
Cyclohexane	7000000	29000000	9.3 U	10 U	870 U	4.8 J	24 U	11 U	780 U	21 U
Dibromochloromethane	680	3300	4.6 U	5.1 U	430 U	11 UJ	12 UJ	5.3 U	390 U	10 U
Dichlorodifluoromethane (CFC-12)	94000	400000	4.6 U	5.1 U	430 U	11 UJ	12 U	5.3 U	R	10 U
Ethylbenzene	5400	27000	4.6 U	5.1 U	430 U	11 UJ	12 UJ	5.3 U	310 J	10 U
Isopropyl benzene	2100000	11000000	4.6 U	0.27 J	430 U	11 UJ	12 UJ	5.3 U	57 J	10 U
Methyl acetate	78000000	1000000000	9.3 U	10 U	56 J	22 UJ	24 U	11 U	300 J	21 U
Methyl cyclohexane	-	-	0.42 J	10 U	870 U	4.1 J	24 U	11 U	130 J	21 U
Methyl tert butyl ether (MTBE)	43000	220000	4.6 U	5.1 U	430 U	11 UJ	12 U	5.3 U	390 U	10 U
Methylene chloride	56000	960000	9.6 U	19 U	750 U	34 UJ	48 U	16 U	390 U	10 UJ
Styrene	6300000	36000000	4.6 U	5.1 U	430 U	11 UJ	12 UJ	5.3 U	390 U	10 U
Tetrachloroethene	22000	110000	4.6 U	5.1 U	430 U	11 UJ	12 UJ	0.69 J	34 J	10 U
Toluene	5000000	45000000	4.6 U	5.1 U	430 U	11 UJ	12 UJ	5.3 U	150 J	10 U
trans-1,2-Dichloroethene	150000	690000	4.6 U	5.1 U	430 U	11 UJ	12 U	5.3 U	83 J	10 U

TABLE 3

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

Sample Location:			*BH85-13*	*BH86-13*	*BH87-13*	*BH87-13*	*BH88-13*	*BH89-13*	*BH90-13*	*BH91-13*
Sample ID:			*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*	*S-38443-070813-JL-088*	*S-38443-062713-JC-072*
Sample Date:			*6/25/2013*	*6/24/2013*	*6/26/2013*	*6/26/2013*	*6/24/2013*	*6/24/2013*	*7/8/2013*	*6/27/2013*
Sample Depth:	*USEPA Regional Screening Levels [1]*		*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*	*26.5-28.5 ft BGS*	*23-25 ft BGS*
						Duplicate				
Parameter	*Residential Soil*	*Industrial Soil*								
	a	*b*								
trans-1,3-Dichloropropene	-	-	4.6 U	5.1 U	430 U	11 UJ	12 UJ	5.3 U	390 U	10 U
Trichloroethene	910	6400	4.6 U	5.1 U	430 U	11 UJ	12 U	36	8400 J[ab]	10 U
Trichlorofluoromethane (CFC-11)	790000	3400000	4.6 U	5.1 U	430 U	11 UJ	12 U	5.3 U	390 U	10 U
Trifluorotrichloroethane (Freon 113)	43000000	180000000	4.6 U	5.1 U	430 U	11 UJ	12 U	5.3 U	390 U	10 U
Vinyl chloride	60	1700	4.6 U	5.1 U	430 U	18 J	12 U	5.3 U	41 J	10 U
Xylenes (total)	630000	2700000	9.3 U	10 U	870 U	22 UJ	24 UJ	11 U	1300	21 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

Sample Location:			*BH92-13*	*BH92-13*	*BH93-13*
Sample ID:			*S-38443-070913-JC-089*	*S-38443-070913-JC-090*	*S-38443-062813-JC-073*
Sample Date:			*7/9/2013*	*7/9/2013*	*6/28/2013*
Sample Depth:	*USEPA Regional Screening Levels [1]*		*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	4.7 U	4.8 U	8.2 UJ
1,1,2,2-Tetrachloroethane	560	2800	4.7 U	4.8 U	R
1,1,2-Trichloroethane	1100	5300	4.7 U	4.8 U	8.2 UJ
1,1-Dichloroethane	3300	17000	0.77 J	5.6 J	8.2 UJ
1,1-Dichloroethene	240000	1100000	4.7 U	4.8 U	8.2 UJ
1,2,4-Trichlorobenzene	22000	99000	4.7 U	4.8 U	R
1,2-Dibromo-3-chloropropane (DBCP)	5.4	69	9.4 U	9.5 U	R
1,2-Dibromoethane (Ethylene dibromide)	34	170	4.7 U	4.8 U	8.2 UJ
1,2-Dichlorobenzene	1900000	9800000	4.7 U	4.8 U	R
1,2-Dichloroethane	430	2200	4.7 U	4.8 U	8.2 UJ
1,2-Dichloropropane	940	4700	4.7 U	4.8 U	8.2 UJ
1,3-Dichlorobenzene	-	-	4.7 U	4.8 U	R
1,4-Dichlorobenzene	2400	12000	4.7 U	4.8 U	R
2-Butanone (Methyl ethyl ketone) (MEK)	28000000	200000000	19 U	19 U	33 UJ
2-Hexanone	210000	1400000	19 U	19 U	33 UJ
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	5300000	53000000	0.52 J	19 U	33 UJ
Acetone	61000000	630000000	19 U	19 U	33 J
Benzene	1100	5400	0.69 J	0.49 J	8.2 UJ
Bromodichloromethane	270	1400	4.7 U	4.8 U	8.2 UJ
Bromoform	62000	220000	4.7 U	4.8 U	8.2 UJ
Bromomethane (Methyl bromide)	7300	32000	4.7 U	4.8 U	8.2 UJ
Carbon disulfide	820000	3700000	4.7 U	4.8 U	8.2 UJ
Carbon tetrachloride	610	3000	4.7 U	4.8 U	8.2 UJ
Chlorobenzene	290000	1400000	0.66 J	15 J	8.2 UJ
Chloroethane	15000000	61000000	2.3 J	1.4 J	8.2 UJ
Chloroform (Trichloromethane)	290	1500	4.7 U	4.8 U	8.2 UJ
Chloromethane (Methyl chloride)	120000	500000	4.7 U	4.8 U	8.2 UJ
cis-1,2-Dichloroethene	160000	2000000	4.7 U	4.8 U	8.2 UJ
cis-1,3-Dichloropropene	-	-	4.7 U	4.8 U	8.2 UJ
Cyclohexane	7000000	29000000	0.37 J	0.31 J	16 UJ
Dibromochloromethane	680	3300	4.7 U	4.8 U	8.2 UJ
Dichlorodifluoromethane (CFC-12)	94000	400000	4.7 U	4.8 U	8.2 UJ
Ethylbenzene	5400	27000	4.7 U	4.8 U	8.2 UJ
Isopropyl benzene	2100000	11000000	4.7 U	4.8 U	8.2 UJ
Methyl acetate	78000000	1000000000	2.1 J	2.8 J	16 UJ
Methyl cyclohexane	-	-	0.39 J	0.35 J	16 UJ
Methyl tert butyl ether (MTBE)	43000	220000	4.7 U	4.8 U	8.2 UJ
Methylene chloride	56000	960000	4.7 U	4.8 U	10 UJ
Styrene	6300000	36000000	4.7 U	4.8 U	8.2 UJ
Tetrachloroethene	22000	110000	4.7 U	4.8 U	41 J
Toluene	5000000	45000000	0.41 J	0.69 J	8.2 UJ
trans-1,2-Dichloroethene	150000	690000	4.7 U	4.8 U	8.2 UJ

TABLE 3

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

Sample Location:			*BH92-13*	*BH92-13*	*BH93-13*
Sample ID:			*S-38443-070913-JC-089*	*S-38443-070913-JC-090*	*S-38443-062813-JC-073*
Sample Date:			*7/9/2013*	*7/9/2013*	*6/28/2013*
Sample Depth:	*USEPA Regional Screening Levels [1]*		*18.8-20.8 ft BGS*	*18.8-20.8 ft BGS*	*13-15 ft BGS*
				Duplicate	
Parameter	*Residential Soil*	*Industrial Soil*			
	a	*b*			
trans-1,3-Dichloropropene	-	-	4.7 U	4.8 U	8.2 UJ
Trichloroethene	910	6400	4.7 U	4.8 U	3.9 J
Trichlorofluoromethane (CFC-11)	790000	3400000	4.7 U	4.8 U	8.2 UJ
Trifluorotrichloroethane (Freon 113)	43000000	180000000	4.7 U	4.8 U	8.2 UJ
Vinyl chloride	60	1700	4.7 U	4.8 U	8.2 UJ
Xylenes (total)	630000	2700000	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 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

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