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# **ONONDAGA LAKE GRANBY QUARRY INVESTIGATION DATA SUMMARY REPORT**

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**LIST OF ACRONYMS**

DUSR	Data Usability Summary Report
NYSDEC	New York State Department of Conservation
NYSDOH ELAP	New York State Department of Health Environmental Laboratory Approval Program
PCBs	Polychlorinated biphenyls
QAPP	Quality Assurance Project Plan
SCO	Soil cleanup objectives
SVOCs	Semi-volatile organic compounds
USEPA	United States Environmental Protection Agency
VOCs	Volatile organic compounds

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**GRANBY QUARRY INVESTIGATION  
DATA SUMMARY REPORT****1.0 INTRODUCTION**

This Data Summary Report presents the results of Granby Quarry characterization conducted during the spring of 2012. Sampling and analyses were conducted pursuant to the Earthen Materials Investigation Work Plan Granby Quarry Investigation (Parsons, 2012) approved by the New York State Department of Environmental Conservation (NYSDEC).

The Granby Quarry located in Fulton, New York has been identified as the potential primary source of earthen materials for fill and capping work associated with the Onondaga Lake Superfund project and its sub-sites. The objective of the work plan was to obtain analytical approval for use of the earthen materials from the current and Phase I portions of the quarry (Figure 1) on any existing or future Honeywell remedial projects. Chemical analyses of the soils from the quarry have been compared to the NYSDEC Subpart 375 Unrestricted Use Soil Cleanup Objectives (SCOs) for use as imported materials. No exceedences of the Unrestricted SCO's were detected during the investigation and subsequent lab analyses. Existing Honeywell projects may be able to use the analytical results from this investigation to satisfy the need for analytical sampling of imported materials.

Future sampling activities will be conducted at the Granby pit as necessary. The Phase II area (approximately 18 acres), and potential future areas that may be consolidated into the quarry, will also be investigated, as described in the Earthen Materials Investigation Work Plan, prior to the start of quarry activities in those areas. Future scopes of work will be provided as addenda to the work plan.

**2.0 EARTHEN MATERIAL SAMPLING**

Prior to this investigation, approximately 200,000 tons (111,111 cubic yards) of material had been used from the Granby pit for fill on various Honeywell projects. Approximately 43 samples had been collected from these imported materials and analyzed for comparison to the analytical requirements of the NYSDEC Subpart 375 Unrestricted Use SCO. There were no exceedances of the Unrestricted Use SCO.

To assess the remaining quarry materials for chemical composition, up to two volatile organic compound (VOC) samples and up to two composite samples for mercury, metals, semi-volatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), pesticides/herbicides, and cyanide were collected from each sample location shown on Figure 1. Sample locations were spaced on a two acre grid over the working surface of the quarry.

## 2.1 Field Investigation

As shown on Figure 1, a total of 50 samples were collected from 24 sample locations within the existing pit and Phase I section of the quarry. As noted above, the sample locations are based on a 2-acre grid accounting for topographic features and to provide spatial distribution across the site. Samples were not collected from location GPIT-SB-011 as this area was heavily wooded and would have required significant clearing of trees and brush to access the sample location. This sample location will be included in future investigations at the site where quarry activities expand into that area of the site. In addition, location GPIT-SB-014 was moved approximately 200 ft. west of its proposed location due to access issues. Modifications to the sample locations were made with concurrence from NYSDEC.

Soil samples were collected consistent with the field procedures used by Parsons during the *Onondaga Lake Pre-Design Investigation: Phase I Work Plan* (Parsons, 2005). Samples were collected continuously with a geoprobe using a lined macrocore sampler on 4 ft. intervals until glacial till was encountered. Soil samples were visually examined in the field and physical characteristics were described using the Unified Soil Classification System. Boring logs are included as Appendix A of this report.

Samples were analyzed for NYSDEC part 375 Unrestricted Use SCOs including VOCs, SVOCs, PCBs, pesticides/herbicides, metals, and total cyanide. One select soil sample interval from above and one soil sample interval from below the water table was collected at each boring location and analyzed for VOCs with the exception of location GPIT-SB-003. At location GPIT-SB-003, glacial till was encountered at 1.5 ft. below the ground surface resulting in only one VOC sample collected at that location. VOC samples were immediately loaded into containers provided by the analytical laboratory.

In addition, one composite sample of soils above the water table and one composite sample of soils below the water table at each boring or test pit location with the exception of locations GPIT-SB-003 and GPIT-SB-006. As noted above, glacial till was encountered 1.5 ft. below the ground surface at location GPIT-SB-003 resulting in only one composite sample being collected at that location. At location GPIT-SB-006, the water table was encountered just above the glacial till resulting in limited sample volume once the VOC sample was collected. Composite samples were analyzed for the remainder of the NYSDEC part 375 Unrestricted Use SCO parameters. Samples were placed in dedicated containers and homogenized prior to loading into containers provided by the analytical laboratory.

Samples will be extracted and analyzed by a New York State Department of Health (NYSDOH) Environmental Laboratory Accreditation Program (ELAP) certified laboratory. Analyses will be performed in accordance with NY State ASP Category B. A matrix spike, matrix spike duplicate, field duplicate, and field blank sample will be collected and analyzed for each sample delivery group of up to 20 total samples.

The Granby Investigation Work Plan stated that select samples may be submitted for grain size. It was determined that geotechnical data wouldn't be of value since the analytical was

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being completed on the bank run material, while the grain size criteria for capping material is based on a manufactured product. Thus, no samples were submitted for grain size analysis.

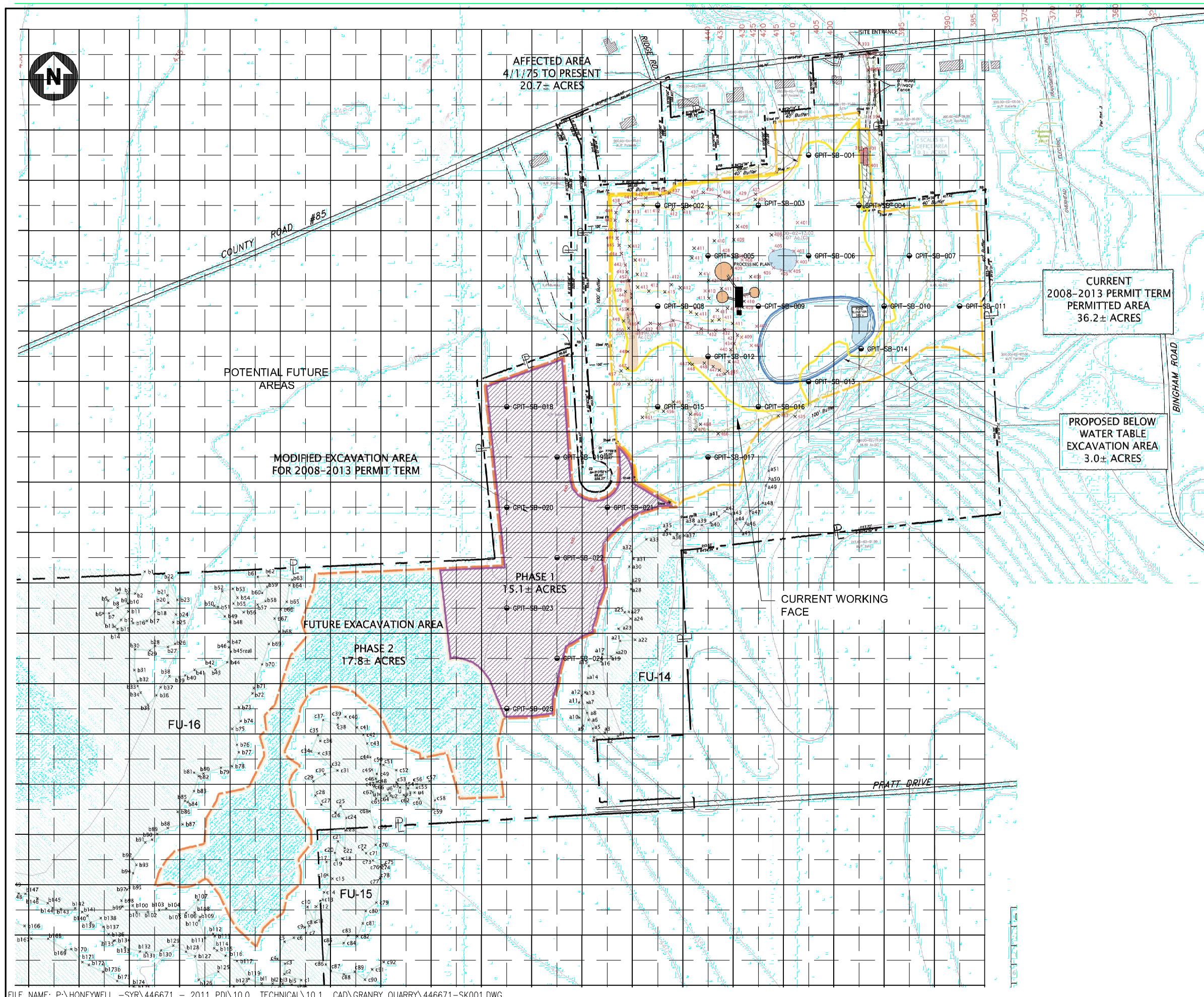
### **3.0 DATA VALIDATION**

The analytical program used the data quality objectives and quality assurance objectives outlined in the Geddes Brook Construction Quality Assurance Project Plan (QAPP) (Parsons, 2011). Data validation was conducted by a third party not associated with the laboratory that performed the analyses. A United States Environmental Protection Agency (USEPA) Level IV data validation was conducted on 10 percent of the chemical samples (i.e., full data validation), and a USEPA Level III data validation was conducted on the remaining 90 percent of the samples, as described in the Data Usability Summary Report (DUSR) provided in Appendix B.

### **4.0 REFERENCES**

- Parsons. 2005. *Onondaga Lake Pre-Design Investigation Work Plan*. Prepared for Honeywell, Morristown, New Jersey. Syracuse, New York. Appendix B of Phase I Pre-Design Investigation Work Plan. September 2005.
- Parsons. 2011. *Geddes Brook Construction Quality Assurance Project Plan*. Prepared for Honeywell, Morristown, New Jersey. Syracuse, New York. Appendix B of Phase I Pre-Design Investigation Work Plan. April 2011.
- Parsons, 2012. *Onondaga Lake Site Earthen Materials Work Plan Granby Quarry Investigation*. Prepared for Honeywell, Morristown, New Jersey. Syracuse, New York. January 2012.

**FIGURES**



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**APPENDIX A  
BORING LOGS**

## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: GPIT-SB-001

Date: 06/01/2012

Weather: Cloudy, mid 60's

Northing: 1225085.1

Easting: 845366.6

Ground Elevation: 404.3

Drilling Company: PARRATT WOLFF INC

**Logging Company:**

Borehole Driller: Mark Eaves

Borehole Geologist: A. Menges Rig Type:

Total Depth: 28.0 Ft

### Borehole Depth Units: Ft

Depth Ft	Recov	Sample ID	Blow Count	N Value	PID	Mercury	USCS Code	Soil Description	Sample Method	Stratum
0							SW-GW	Dry, loose, red-brown, fine to coarse SAND and fine to coarse GRAVEL. 1.5-4ft: dry, medium dense, brown-red, fine to medium SAND.	GP	
5							SP	Moist, medium dense, red-brown, fine to medium SAND, trace fine gravel.	GP	
8	▼						SP	Wet, medium dense, brown, fine to medium SAND.	GP	Sand and Gravel
10							SP			
12							SP	Wet, medium dense, brown, fine to medium SAND.	GP	
15							SP	Wet, medium dense, brown, fine to medium SAND.	GP	
17							SP	Wet, medium dense, brown, fine to medium SAND.	GP	

## BORING LOG

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Site: Onondaga Lake (Syracuse NY)  
 Boring No: GPIT-SB-001  
 Date: 06/01/2012  
 Weather: Cloudy, mid 60's



Northing: 1225085.1

Easting: 845366.6

Ground Elevation: 404.3

Drilling Company: PARRATT WOLFF INC

Logging Company:

Borehole Driller: Mark Eaves

Borehole Geologist: A. Menges Rig Type:

Total Depth: 28.0 Ft

Borehole Depth Units: Ft

Depth Ft	Recoy	Sample ID	Blow Count	N Value	PID	Mercury	USCS Code	Soil Description	Sample Method	Stratum
20							SP	Wet, medium dense, brown, fine to medium SAND.	GP	Sand and Gravel
25							TILL	Wet, medium dense, brown, fine to medium SAND (SP). 1.5-4ft: Wet, very stiff, red-brown, (TILL).	GP	Till

VOC samples collected at 4-8ft, 12-16ft. Composite samples collected at 0-8ft, 8-28ft.

## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: GPIT-SB-002

Date: 05/29/2012

Weather: Partly sunny, mid 80s

# Honeywell

Northing: 1224861.0

Easting: 844745.6

Ground Elevation: 415.0

Drilling Company: PARRATT WOLFF INC

Logging Company:

Borehole Driller: Mark Eaves

Borehole Geologist: A. Menges Rig Type:

Total Depth: 16.0 Ft

Borehole Depth Units: Ft

Depth Ft	Recoy	Sample ID	Blow Count	N Value	PID	Mercury	USCS Code	Soil Description	Sample Method	Stratum
0							SW-GW	Dry, very loose, brown, fine to coarse SAND and fine to coarse GRAVEL.	GP	
5							SW	0-3ft: Dry, very loose, brown-red, fine to coarse SAND, some fine to coarse gravel. 3-4ft: Moist, loose, brown-red, medium to coarse SAND, some fine sand.	GP	Sand and Gravel
10							SW	0-3ft: Wet, brown, fine to coarse SAND. 3-3.83ft: Wet, brown, SILT and fine SAND, trace clay. 3.83-4ft: Wet, brown-red, coarse SAND.	GP	
15							TILL	0-0.16ft: Wet, stiff, brown, fine SAND, trace till in nose of core.	GP	Till
16.0										

VOC samples collected from 7-8ft, 10-11ft. Composite samples collected from 0-8ft, 8-13ft.

## BORING LOG

Page 1 of 1

Site: Onondaga Lake (Syracuse NY)

Boring No: GPIT-SB-003

Date: 05/22/2012

Weather: Cloudy, mid 70s

# Honeywell

Northing: 1224877.1

Easting: 845158.6

Ground Elevation: 411.8

Drilling Company: PARRATT WOLFF INC

Logging Company:

Borehole Driller: Mark Eaves

Borehole Geologist: R. Piurek Rig Type: GEOPROBE SK-58

Total Depth: 8.0 Ft

Borehole Depth Units: Ft

Depth Ft	Recoy	Sample ID	Blow Count	N Value	PID	Mercury	USCS Code	Soil Description	Sample Method	Stratum
0							SW/SP/TILL	0-1.5ft: Dry, dense, brown-gray-red, medium to coarse SAND and fine GRAVEL (SW/SP). 1.5-3.8ft: Dry, very dense, red-brown, SILT, some clay, trace fine sand, trace sub-round gravel (TILL).	GP	Sand and Gravel
5							TILL	Dry, very dense, red-brown, SILT, some clay, trace fine sand, trace sub-round gravel. Moist at 2.16ft.	GP	Till
8.0								VOC samples collected from 0-1.5ft. Composite samples collected from 0-4ft.		

## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: GPIT-SB-004

Date: 05/22/2012

Weather: Cloudy, mid 70s

Northing: 1224877.0

Easting: 845574.6

Ground Elevation: 400.9

Drilling Company: PARRATT WOLFF INC

**Logging Company:**

Borehole Driller: Mark Eaves

Borehole Geologist: Rob Piurek Rig Type: GEOPROBE SK-58

Total Depth: 28.0 Ft

### Borehole Depth Units: Ft

Depth Ft	Recov	Sample ID	Blow Count	N Value	PID	Mercury	USCS Code	Soil Description	Sample Method	Stratum
0							SW/SP	0-2.5ft: Dry, loose, brown, coarse to fine SAND and coarse to fine sub-angular/sub-round GRAVEL. 2.5-3.3ft: Dry, loose, light brown, medium SAND.	GP	
5							SW	Dry-moist, medium dense-loose, brown, coarse to fine SAND, trace fine gravel.	GP	
7							SW	Moist, medium dense-dense, brown, medium to fine SAND, trace coarse sand.	GP	
10							SW		GP	Sand and Gravel
12							SW	Moist, medium dense, brown, medium to fine SAND.	GP	
15							SP	Moist, dense, brown, medium SAND.	GP	

## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: GPIT-SB-004

Date: 05/22/2012

Weather: Cloudy, mid 70s



Northing: 1224877.0

Easting: 845574.6

Ground Elevation: 400.9

Drilling Company: PARRATT WOLFF INC

Logging Company:

Borehole Driller: Mark Eaves

Borehole Geologist: Rob Piurek Rig Type: GEOPROBE SK-58

Total Depth: 28.0 Ft

Borehole Depth Units: Ft

Depth Ft	Recover	Sample ID	Blow Count	N Value	PID	Mercury	USCS Code	Soil Description	Sample Method	Stratum
20							SP	Moist, dense, brown, fine SAND, trace gravel.	GP	Sand and Gravel
25							CL	0-2ft: Moist, dense, brown, fine to medium SAND (SP) 2-3.4ft: Brown, CLAY (TILL).	GP	Clay
28.0								VOC samples collected from 4-8ft and 20-24ft. Composite samples collected from 0-8ft and 8-28ft.		

## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: GPIT-SB-005

Date: 05/30/2012

Weather: Cloudy, mid 70s

Northing: 1224669.0

Easting: 844950.5

Ground Elevation: 414.7

Drilling Company: PARRATT WOLFF INC

**Logging Company:**

Borehole Driller: Mark Eaves

Borehole Geologist: A. Menges Rig Type:

Total Depth: 28.0 Ft

### Borehole Depth Units: Ft

Depth Ft	Recov	Sample ID	Blow Count	N Value	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0							SP-GW	Dry, loose, red-brown, medium to coarse SAND and fine to coarse GRAVEL.	GP	
5							SP-GW	0-2.5ft: Dry, loose, red-brown, medium to coarse SAND and fine to coarse GRAVEL. 2.5-3.5ft: Moist, loose, red-brown, medium to coarse SAND, trace fine gravel.	GP	
7	▼						SP	0-0.5ft: Moist, loose, red-brown, medium to coarse SAND, some medium to coarse gravel. 0.5-3.5ft: Wet, loose, red-brown, medium to coarse SAND, some medium to coarse gravel.	GP	Sand and Gravel
10							SW-GW	Wet, very loose, red-brown, fine to coarse SAND and fine to coarse GRAVEL.	GP	
15							SW	0-1ft: wet, very loose, red-brown, fine to coarse SAND, trace fine gravel. 1-4ft: Wet, medium dense, brown, medium to fine SAND.	GP	

## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: GPIT-SB-005

Date: 05/30/2012

Weather: Cloudy, mid 70s



Northing: 1224669.0

Easting: 844950.5

Ground Elevation: 414.7

Drilling Company: PARRATT WOLFF INC

Logging Company:

Borehole Driller: Mark Eaves

Borehole Geologist: A. Menges Rig Type:

Total Depth: 28.0 Ft

Borehole Depth Units: Ft

Depth Ft	Recoy	Sample ID	Blow Count	N Value	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
20							ML	0-1ft: Wet, medium dense, brown, medium to fine SAND. (SP) 1-3ft: Wet, stiff, gray, SILT, some fine to coarse sand, trace clay (ML). Below 24ft lies wet, very stiff, red-brown (TILL).	GP	Sand and Gravel
24.0										Till

VOC samples collected at 4-8ft and 16-20ft. Composite Samples collected at 0-8ft and 8-24ft.

## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: GPIT-SB-006

Date: 05/22/2012

Weather: Cloudy, mid 70s

# Honeywell

Northing: 1224669.1

Easting: 845366.6

Ground Elevation: 406.2

Drilling Company: PARRATT WOLFF INC

Logging Company:

Borehole Driller: Mark Eaves

Borehole Geologist: Rob Piurek Rig Type: GEOPROBE SK-58

Total Depth: 12.0 Ft

Borehole Depth Units: Ft

Depth Ft	Recoy	Sample ID	Blow Count	N Value	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0							GP/SP	Dry, dense-very dense, gray-brown, coarse to fine sub-round to sub-angular GRAVEL and brown medium to coarse SAND, compact.	GP	
5							SP	0-2ft: Dry, dense-very dense, gray-brown, coarse to fine sub-round to sub-angular GRAVEL and brown medium to coarse SAND, compact (GP/SP). 2-3.9ft: Moist, dense, brown, medium to fine SAND (SP).	GP	Sand and Gravel
10							TILL	0-0.5ft: Moist, dense, brown, medium to fine SAND (SP). 0.5-3.8ft: Brown to red-brown, SILT, some fine gravel, trace clay (TILL).	GP	Till
12.0								VOC samples collected from 4-8ft and 8-8.6ft. Composite samples collected from 0-6.2ft.		

## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: GPIT-SB-007

Date: 06/01/2012

Weather: Cloudy, mid 60s



Northing: 1224670.7

Easting: 845783.0

Ground Elevation: 393.4

Drilling Company: PARRATT WOLFF INC

Logging Company:

Borehole Driller: Mark Eaves

Borehole Geologist: A. Menges Rig Type:

Total Depth: 20.0 Ft

Borehole Depth Units: Ft

Depth Ft	Recoy	Sample ID	Blow Count	N Value	PID	Mercury	USCS Code	Soil Description	Sample Method	Stratum
0							SW	0-0.5ft: TOPSOIL. 0.5-4ft: Moist, medium dense, brown, fine to coarse SAND, trace fine gravel.	GP	
5	▼						SW	Wet, medium dense, brown, fine to coarse SAND.	GP	Sand and Gravel
10							SW	Wet, medium dense, brown, fine to coarse SAND.	GP	
15							SW	0-2ft: Wet, medium dense, brown, fine to coarse SAND (SW). 2-4ft: Wet, very stiff, gray, SILT, trace fine sand, trace fine gravel (ML).	GP	Silt
20.0							TILL	Wet, very stiff, red-brown, TILL.	GP	Till

VOC samples collected from 0-4ft and 8-12ft. Composite samples collected from 0-4ft and 4-20ft.

## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: GPIT-SB-008

Date: 05/30/2012

Weather: Cloudy, mid 70s

# Honeywell

Northing: 1224461.0

Easting: 844742.7

Ground Elevation: 415.0

Drilling Company: PARRATT WOLFF INC

Logging Company:

Borehole Driller: Mark Eaves

Borehole Geologist: A. Menges Rig Type:

Total Depth: 20.0 Ft

Borehole Depth Units: Ft

Depth Ft	RecoY	Sample ID	Blow Count	N Value	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0							SW-GW	0-1ft: Dry, very loose, red-brown, fine to coarse SAND and fine to coarse GRAVEL. 1-3ft: Moist, loose, red-brown, fine to coarse SAND, little fine to coarse gravel.	GP	
5	▼						SP	0-0.5ft: Moist, loose, red-brown, fine to coarse SAND, little fine to coarse gravel. 0.5-3.5ft: Wet, medium dense, brown, medium to fine SAND.	GP	
10							SP	Wet, dense, brown, medium to fine SAND.	GP	Sand and Gravel
15							SP	Wet, dense, brown, medium to fine SAND.	GP	
20.0							ML	0-3ft: Wet, stiff, brown, SILT, some fine sand, trace clay (ML). 3-3.3ft: Wet, very stiff, gray, SILT, some clay, trace fine sand (ML). 3.3-3.83ft: Wet, very stiff, red-brown (TILL).	GP	Silt and Clay
										Till

VOC samples collected from 0-4ft and 12-16ft. Composite samples collected from 0-4ft and 4-20ft.

## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: GPIT-SB-009

Date: 05/30/2012

Weather: Cloudy, mid 70s

**Honeywell**

Northing: 1224461.0

Easting: 845158.6

Ground Elevation: 413.1

Drilling Company: PARRATT WOLFF INC

Logging Company:

Borehole Driller: Mark Eaves

Borehole Geologist: A. Menges Rig Type: GEOPROBE SK-58

Total Depth: 20.0 Ft

Borehole Depth Units: Ft

Depth Ft	Recoy	Sample ID	Blow Count	N Value	PID	Mercury	USCS Code	Soil Description	Sample Method	Stratum
0							SW-GW	Moist, loose, red-brown, fine to coarse SAND and fine to coarse GRAVEL.	GP	
5							SW-GW	4-6.83ft: Moist, loose, red-brown, fine to coarse SAND and fine to coarse GRAVEL. 6.83-7.3ft: Wet, loose, red-brown, fine to coarse SAND, some fine gravel.	GP	
7.3	▼						SW	Wet, medium dense, red-brown, fine to coarse SAND.	GP	Sand and Gravel
10							SW	Wet, medium dense, brown, fine to coarse SAND.	GP	
15							SP-ML	16-17.6ft: Wet, dense, red-brown, fine SAND and SILT (SP-ML). 20-19.5ft: Wet, red-brown, very dense (TILL).	GP	
19.5										Till
20.0										

VOC samples collected from 4-8ft and 12-16ft. Composite samples collected from 0-8ft and 8-20ft.

## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: GPIT-SB-010

Date: 05/24/2012

Weather: Clear, low 80's

# Honeywell

Northing: 1224461.1

Easting: 845678.6

Ground Elevation: 397.4

Drilling Company: PARRATT WOLFF INC

Logging Company:

Borehole Driller: Mark Eaves

Borehole Geologist: Rob Piurek Rig Type: GEOPROBE SK-58

Total Depth: 28.0 Ft

Borehole Depth Units: Ft

Depth Ft	Recoy	Sample ID	Blow Count	N Value	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0							GW	Dry, very dense, brown-gray-brown/red, fine to coarse sub-round to sub-angular GRAVEL, some fine to coarse sand.	GP	
5	▼						GW	Moist, very dense, brown-gray-brown/red, fine to coarse sub-round to sub-angular GRAVEL, some fine to coarse sand.	GP	
10							SP	Moist, dense, brown, medium to fine SAND, some coarse to fine gravel above 9ft.	GP	Sand and Gravel
15							SP	Moist, medium dense, brown, medium to fine SAND.	GP	
20							SP	Moist, medium dense, brown, medium to fine SAND.	GP	

## BORING LOG

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Site: Onondaga Lake (Syracuse NY)  
 Boring No: GPIT-SB-010  
 Date: 05/24/2012  
 Weather: Clear, low 80's

Northing: 1224461.1

Easting: 845678.6

Ground Elevation: 397.4

Drilling Company: PARRATT WOLFF INC

Logging Company:

Borehole Driller: Mark Eaves

Borehole Geologist: Rob Piurek Rig Type: GEOPROBE SK-58

Total Depth: 28.0 Ft

Borehole Depth Units: Ft

Depth Ft	Recoy	Sample ID	Blow Count	N Value	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
20							SP	Moist, medium dense, brown, medium to fine SAND.		
24.0									GP	Sand and Gravel

VOC samples collected from 4-5ft and 20-24ft. Composite sample collected from 0-5ft and 5-28ft.

## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: GPIT-SB-012

Date: 05/29/2012

Weather: Partly sunny, mid 80's

Northing: 1224218.0

Easting: 845014.6

Ground Elevation: 415.2

Drilling Company: PARRATT WOLFF INC

**Logging Company:**

Borehole Driller: Mark Eaves

Borehole Geologist: A. Menges Rig Type:

Total Depth: 24.0 Ft

### Borehole Depth Units: Ft

Depth Ft	Reco v	Sample ID	Blow Count	N Value	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0							SP	Dry, loose, red brown, fine to medium SAND, some fine to medium gravel.	GP	
5							SP	0-1.6ft: Moist, loose, red-brown, fine to medium SAND, trace silt. 1.6-3.83ft: Moist-wet, loost, red-brown, coarse SAND. 3.83-4ft: Wet, loose, light brown, fine SAND.	GP	
7	▼						SP	Wet, loose, brown, fine to medium SAND, trace coarse sand above 9ft.	GP	Sand and Gravel
10							SP		GP	
12							SW	0-2ft: Wet, loose, brown, fine to coarse SAND. 2-4ft: Wet, stiff, brown, fine SAND, little silt.	GP	
15							ML-SP	0-1ft: Wet, brown, stiff, SILT and fine SAND (ML-SP). 1-4ft: Wet, loose, medium to coarse SAND, trace gravel in last 1in (SP).	GP	Silt and Sand

## BORING LOG

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Site: Onondaga Lake (Syracuse NY)

Boring No: GPIT-SB-012

Date: 05/29/2012

Weather: Partly sunny, mid 80's

# Honeywell

Northing: 1224218.0

Easting: 845014.6

Ground Elevation: 415.2

Drilling Company: PARRATT WOLFF INC

Logging Company:

Borehole Driller: Mark Eaves

Borehole Geologist: A. Menges Rig Type:

Total Depth: 24.0 Ft

Borehole Depth Units: Ft

Depth Ft	Recoy	Sample ID	Blow Count	N Value (ppm)	PID	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
20							ML-SW	Wet, stiff, brown-red, SILT and fine to coarse SAND, some fine-medium gravel.		
24.0									GP	Silt and Sand

VOC samples collected from 4-5ft and 15-16ft. Composite samples collected from 0-8ft and 8-24ft.

## BORING LOG

Page 1 of 1



Site: Onondaga Lake (Syracuse NY)  
 Boring No: GPIT-SB-013  
 Date: 05/25/2012  
 Weather: Cloudy, mid-70s

Northing: 1224149.1

Easting: 845366.6

Ground Elevation: 414.1

Drilling Company: PARRATT WOLFF INC

Logging Company:

Borehole Driller: Mark Eaves

Borehole Geologist: R. Piurek Rig Type:

Total Depth: 12.0 Ft

Borehole Depth Units: Ft

Depth Ft	RecoY	Sample ID	Blow Count	N Value	PID	Mercury	USCS Code	Soil Description	Sample Method	Stratum
0							SW	0-3ft: Dry, medium dense, brown, fine to coarse SAND, some fine to coarse subround-subangular gravel. 3-3.8ft: Dry, loose, brown, medium to fine SAND.	GP	
5							SP	Dry, dense, brown, fine to medium SAND.	GP	Sand and Gravel
7.5	▼						SP	Moist, dense, red-brown, medium SAND, trace fine gravel, trace coarse gravel at 2ft.	GP	
10										
12.0										

Location on the side of hill, uneven terrain. Boring location moved approximately 7ft west. At 4ft, hit refusal, moved boring location to 2ft west. Log shows data from second borehole. Driller reported difficulty advancing boring past 7-8ft; boring abandoned and resumed with longer geoprobe rig from 8ft on 5-29-12. VOC samples taken from 0-4ft and 11-12ft. Composite samples taken from 0-8ft and 8-12ft.

## BORING LOG

Page 1 of 2

Site: Onondaga Lake (Syracuse NY)

Boring No: GPIT-SB-014

Date: 05/24/2012

Weather: Clear, low 80s

**Honeywell**

Northing: 1224284.7744

Easting: 845583.3992

Ground Elevation: 387.4

Drilling Company: PARRATT WOLFF INC

Logging Company:

Borehole Driller: Mark Eaves

Borehole Geologist: R. Piurek Rig Type: GEOPROBE SK-58

Total Depth: 28.0 Ft

Borehole Depth Units: Ft

Depth Ft	Recoy	Sample ID	Blow Count	N Value	PID	Mercury	USCS Code	Soil Description	Sample Method	Stratum
0							GW-SW	Dry, loose, dark brown to brown/red, coarse to fine sub-round to sub-angular GRAVEL and medium to coarse SAND, trace fine sand, becomes moist at 2ft.	GP	
5	▼						GW-SW	Wet, loose, dark brown to brown/red, coarse to fine sub-round to sub-angular GRAVEL and medium to coarse SAND, some fine sand, some fine silt.	GP	
10							SP-GP	Moist-wet, loose-medium dense, brown, medium to fine SAND and fine GRAVEL.	GP	Sand and Gravel
15							SP	Moist-wet, medium dense, brown, medium to fine SAND.	GP	
20							SP	Wet, dense, brown, medium to fine SAND, trace silt.	GP	

## BORING LOG

Page 2 of 2

Site: Onondaga Lake (Syracuse NY)

Boring No: GPIT-SB-014

Date: 05/24/2012

Weather: Clear, low 80s



Northing: 1224284.7744

Easting: 845583.3992

Ground Elevation: 387.4

Drilling Company: PARRATT WOLFF INC

Logging Company:

Borehole Driller: Mark Eaves

Borehole Geologist: R. Piurek Rig Type: GEOPROBE SK-58

Total Depth: 28.0 Ft

Borehole Depth Units: Ft

Depth Ft	Recoy	Sample ID	Blow Count	N Value	PID	Mercury	USCS Code	Soil Description	Sample Method	Stratum
20							SM	Wet, dense, brown, medium to fine SAND, trace silt.	GP	Sand and Gravel
25							TILL	Moist, dense, red/brown, TILL, silt, trace clay, trace fine sand, trace fine gravel.	GP	Till
30.0										

VOC samples collected at 0-4ft and 16-20ft. Composite samples collected at 0-4ft and 4-24ft.

## BORING LOG

Page 1 of 1

Site: Onondaga Lake (Syracuse NY)

Boring No: GPIT-SB-015

Date: 05/23/2012

Weather: Cloudy, mid 70s

# Honeywell

Northing: 1224092.5

Easting: 844754.9

Ground Elevation: 418.8

Drilling Company: PARRATT WOLFF INC

Logging Company:

Borehole Driller: Mark Eaves

Borehole Geologist: R. Piurek Rig Type:

Total Depth: 16.0 Ft

Borehole Depth Units: Ft

Depth Ft	Recover	Sample ID	Blow Count	N Value	PID	Mercury	USCS Code	Soil Description	Sample Method	Stratum
0							FILL	Dry, dense, brown-red/brown-gray, fine sub-round to angular GRAVEL and medium to coarse SAND, compact, becomes moist at 3ft.	GP	
5							FILL	Moist, dense, brown-red/brown-gray, fine sub-round to angular GRAVEL and medium to coarse SAND, compact.	GP	Sand and Gravel
7.5	▼						SP	0-1.08ft: Moist, brown, medium to fine SAND, trace fine gravel. 1.08-2ft: Moist, brown, fine SAND and SILT, trace clay. 2-3.4ft: Moist, dense, brown, fine SAND.	GP	
10							TILL	0-1ft: Moist, brown, medium to fine SAND, some fine gravel (SP). 1-3.1ft: Moist-dry, very dense, red-brown, TILL, silt and fine sand, trace fine gravel (TILL).	GP	Till
15										
16.0										

VOC samples collected from 4-8ft and 9.7-12ft. Composite samples collected from 0-8ft and 8-12.8ft.

## BORING LOG

Page 1 of 2

Site: Onondaga Lake (Syracuse NY)

Boring No: GPIT-SB-016

Date: 05/23/2012

Weather: Cloudy, mid 70s

# Honeywell

Northing: 1224045.0

Easting: 845158.6

Ground Elevation: 414.4

Drilling Company: PARRATT WOLFF INC

Logging Company:

Borehole Driller: Mark Eaves

Borehole Geologist: R Piurek Rig Type: GEOPROBE SK-58

Total Depth: 32.0 Ft

Borehole Depth Units: Ft

Depth Ft	Recoy	Sample ID	Blow Count	N Value	PID	Mercury	USCS Code	Soil Description	Sample Method	Stratum
0							FILL	0-1.5ft: Dry, loose, brown, fine sub-round GRAVEL and medium to coarse SAND. 1.5-2.8ft: Dry, loose, brown, fine to medium SAND.	GP	
5							SW	0-1ft: Dry, loose, brown, medium to coarse SAND, trace fine gravel. 1-3.4ft: Moist-dry, loose, brown, fine to medium SAND.	GP	
10	▼						SW	Moist, medium dense, brown, fine to medium SAND.	GP	Sand and Gravel
15							SW	Moist, dense, brown, fine to medium SAND.	GP	
20							SW	Moist, medium dense, brown, fine to medium SAND.	GP	

## BORING LOG

Page 2 of 2

Site: Onondaga Lake (Syracuse NY)

Boring No: GPIT-SB-016

Date: 05/23/2012

Weather: Cloudy, mid 70s

# Honeywell

Northing: 1224045.0

Easting: 845158.6

Ground Elevation: 414.4

Drilling Company: PARRATT WOLFF INC

Logging Company:

Borehole Driller: Mark Eaves

Borehole Geologist: R Piurek Rig Type: GEOPROBE SK-58

Total Depth: 32.0 Ft

Borehole Depth Units: Ft

Depth Ft	Recoy	Sample ID	Blow Count	N Value	PID	Mercury	USCS Code	Soil Description	Sample Method	Stratum
20							SW	0-3ft: Moist, medium dense, brown, fine to medium SAND. 3-3.8ft: Moist, dense, brown, fine SAND and SILT.	GP	
25							SP	Moist-wet, dense, brown, medium to fine SAND, silt, trace fine sand. 1.5-1.9ft: Clay lens.	GP	Sand and Gravel
30							TILL	0-1ft: Moist-wet, dense, brown, medium to fine SAND, silt, trace fine sand (SP). 1-3.8ft: Stiff, brown/red, SILT, some fine sand, trace fine gravel (TILL)	GP	Till
32.0								VOC samples collected from 4-8ft and 16-20ft. Composite samples collected from 0-8ft and 8-29ft.		

## BORING LOG

Page 1 of 1

Site: Onondaga Lake (Syracuse NY)

Boring No: GPIT-SB-017

Date: 05/23/2012

Weather: Cloudy, mid 70s

# Honeywell

Northing: 1223864.0

Easting: 844939.1

Ground Elevation: 417.9

Drilling Company: PARRATT WOLFF INC

Logging Company:

Borehole Driller: Mark Eaves

Borehole Geologist: R. Piurek Rig Type: GEOPROBE SK-58

Total Depth: 20.0 Ft

Borehole Depth Units: Ft

Depth Ft	Recoy	Sample ID	Blow Count	N Value	PID	Mercury	USCS Code	Soil Description	Sample Method	Stratum
0							FILL	Dry, very dense, brown to red/brown, coarse to fine round to sub-angular GRAVEL and coarse to medium SAND.	GP	
5							FILL	0-2.5ft: Dry, very dense, brown to red/brown, coarse to fine round to sub-angular GRAVEL and coarse to medium SAND. 2.5-3.2ft: Moist, loose to medium dense, brown, medium to fine SAND.	GP	
7.5	▼						SP	Dry-moist, medium dense, brown, fine SAND, trace silt, saturated from 2.5-4ft.	GP	
10							SW	Moist, loose to medium dense, brown, medium to fine SAND, trace coarse sand.	GP	
15							TILL	0-1ft: Moist, loose to medium dense, brown, medium to fine SAND, trace coarse sand (SW). 1-3ft: Moist-wet, soft, brown to red/gray, till, fine SAND and SILT, little gravel (TILL).	GP	
20.0								VOC samples collected from 4-8ft and 16-17.3ft. Composite samples collected from 0-6.7ft and 6.7-17.3ft.		

## BORING LOG

Page 1 of 2

Site: Onondaga Lake (Syracuse NY)

Boring No: GPIT-SB-018

Date: 05/31/2012

Weather: Clear, mid 60s

# Honeywell

Northing: 1224045.0

Easting: 844118.8

Ground Elevation: 442.9

Drilling Company: PARRATT WOLFF INC

**Logging Company:**

Borehole Driller: Mark Eaves

Borehole Geologist: A. Menges Rig Type:

Total Depth: 25.0 Ft

### Borehole Depth Units: Ft

## BORING LOG

Page 2 of 2

Site: Onondaga Lake (Syracuse NY)

Boring No: GPIT-SB-018

Date: 05/31/2012

Weather: Clear, mid 60s



Northing: 1224045.0

Easting: 844118.8

Ground Elevation: 442.9

Drilling Company: PARRATT WOLFF INC

Logging Company:

Borehole Driller: Mark Eaves

Borehole Geologist: A. Menges Rig Type:

Total Depth: 25.0 Ft

Borehole Depth Units: Ft

Depth Ft	Recover	Sample ID	Blow Count	N Value	PID	Mercury	USCS Code	Soil Description	Sample Method	Stratum
20							SW-GW	Wet, loose, red-brown, fine to coarse SAND and fine to coarse GRAVEL.	GP	Sand and Gravel
25.0							TILL	Wet, very stiff, red-brown, TILL.	GP	Till

VOC samples collected from 4-8ft and 16-20ft. Composite samples collected between 0-12ft and 12-25ft.

## BORING LOG

Page 1 of 1

Site: Onondaga Lake (Syracuse NY)

Boring No: GPIT-SB-019

Date: 05/30/2012

Weather: Cloudy, mid 70's



Northing: 1223840.4

Easting: 844327.7

Ground Elevation: 425.6

Drilling Company: PARRATT WOLFF INC

Logging Company:

Borehole Driller: Mark Eaves

Borehole Geologist: A. Menges Rig Type:

Total Depth: 20.0 Ft

Borehole Depth Units: Ft

Depth Ft	Recoy	Sample ID	Blow Count	N Value	PID	Mercury	USCS Code	Soil Description	Sample Method	Stratum
0							SW-GW	Moist, loose, red-brown, fine to coarse SAND and fine to coarse GRAVEL.	GP	
5							SW-GW	Wet, loose, red-brown, fine to coarse SAND and fine to coarse GRAVEL.	GP	
10							SW	0-3ft: Wet, loose, brown, fine to coarse SAND, some fine gravel. 3-4ft: Wet, medium dense, brown, fine SAND.	GP	Sand and Gravel
15							SW	0-3ft: Wet, medium dense, brown, fine to coarse SAND. 3-4ft: Wet, dense, brown, fine SAND.	GP	
20.0							SW	0-1ft: Wet, dense, brown, fine SAND (SW). 1-2ft: Wet, loose, fine to coarse SAND, some fine gravel (SW). 2-3ft: Wet, dense, red-brown (TILL).	GP	Till

VOC samples collected from 0-3ft and 12-16ft. Composite samples collected from 0-3ft and 3-20ft.

## BORING LOG

Page 1 of 2

Site: Onondaga Lake (Syracuse NY)

Boring No: GPIT-SB-020

Date: 05/31/2012

Weather: Clear, mid 60's

Northing: 1223629.0

Easting: 844118.6

Ground Elevation: 440.9

Drilling Company: PARRATT WOLFF INC

**Logging Company:**

Borehole Driller: Mark Eaves

Borehole Geologist: A. Menges Rig Type:

Total Depth: 29.0 Ft

### Borehole Depth Units: Ft

Depth Ft	Recov	Sample ID	Blow Count	N Value	PID	Mercury	USCS Code	Soil Description	Sample Method	Stratum
0							SW-GP	0-0.3ft: TOPSOIL. 0.3-3.5ft: Dry, loose, red-brown, fine to coarse SAND and fine GRAVEL.	GP	
5							SW-GP	Moist, loose, red-brown, fine to coarse SAND and fine GRAVEL.	GP	
10							SW-GP	Moist, loose, red-brown, fine to coarse SAND and fine GRAVEL.	GP	Sand and Gravel
12							SW-GP			
15							SW-GP	Wet, loose, red-brown, fine to coarse SAND and fine GRAVEL.	GP	
17							SW-GP	Wet, loose, red-brown, fine to coarse SAND and fine GRAVEL.	GP	

## BORING LOG

Page 2 of 2

Site: Onondaga Lake (Syracuse NY)

Boring No: GPIT-SB-020

Date: 05/31/2012

Weather: Clear, mid 60's



Northing: 1223629.0

Easting: 844118.6

Ground Elevation: 440.9

Drilling Company: PARRATT WOLFF INC

Logging Company:

Borehole Driller: Mark Eaves

Borehole Geologist: A. Menges Rig Type:

Total Depth: 29.0 Ft

Borehole Depth Units: Ft

Depth Ft	Recoy	Sample ID	Blow Count	N Value	PID	Mercury	USCS Code	Soil Description	Sample Method	Stratum
20							SW-GP	Wet, loose, red-brown, fine to coarse SAND and fine GRAVEL.	GP	
25							SW	Wet, medium dense, red-brown, fine to coarse SAND, trace silt, trace fine to coarse gravel.	GP	Sand and Gravel
30							TILL	Wet, hard, red-brown TILL.	GP	Till
32.0								VOC samples collected from 4-8ft and 24-28ft. Composite samples collected from 0-12ft and 12-28ft.		

## BORING LOG

Page 1 of 1

Site: Onondaga Lake (Syracuse NY)

Boring No: GPIT-SB-021

Date: 05/30/2012

Weather: Cloudy, mid 70s

**Honeywell**

Northing: 1223686.2

Easting: 844553.5

Ground Elevation: 423.9

Drilling Company: PARRATT WOLFF INC

Logging Company:

Borehole Driller: Mark Eaves

Borehole Geologist: A. Menges Rig Type:

Total Depth: 16.0 Ft

Borehole Depth Units: Ft

Depth Ft	Recover	Sample ID	Blow Count	N Value	PID	Mercury	USCS Code	Soil Description	Sample Method	Stratum
0							GW-SW	0-1.5ft: Dry, loose, red-brown, fine-coarse GRAVEL and fine-coarse SAND. 1.5-3.5ft: Moist, medium dense, red-brown, fine to coarse SAND and fine to coarse GRAVEL.	GP	
5	▼						GW-SW	Wet, loose, red-brown, fine to coarse GRAVEL and fine to coarse SAND.	GP	Sand and Gravel
10							SW	8-9ft: Wet, very stiff, brown, SILT, some fine sand (ML). 9-11ft: Wet, very stiff, red-brown, fine to coarse SAND, trace silt.	GP	Silt
15							ML-SW	12-14ft: Wet, very stiff, brown, SILT and fine SAND (ML-SW). 14-16ft: Wet, hard, red-brown, TILL.	GP	Silt and Sand
16.0										Till

VOC samples collected from 0-4ft and 12-16ft. Composite samples collected between 0-4ft and 4-16ft.

## BORING LOG

Page 1 of 1

Site: Onondaga Lake (Syracuse NY)

Boring No: GPIT-SB-022

Date: 05/31/2012

Weather: Clear, mid 60s

# Honeywell

Northing: 1223424.6

Easting: 844327.4

Ground Elevation: 425.4

Drilling Company: PARRATT WOLFF INC

Logging Company:

Borehole Driller: Mark Eaves

Borehole Geologist: A. Menges Rig Type:

Total Depth: 12.0 Ft

Borehole Depth Units: Ft

Depth Ft	Recoy	Sample ID	Blow Count	N Value	PID	Mercury	USCS Code	Soil Description	Sample Method	Stratum
0							SW-GW	Moist, loose, red-brown, fine to coarse SAND and fine to coarse GRAVEL.	GP	
3	▼						SW	Wet, loose, red-brown, fine to coarse SAND, some fine-coarse gravel.	GP	Sand and Gravel
8							TILL	8-9ft: Wet, loose, red-brown, fine to coarse SAND, some fine gravel (SW). 9-11ft: Wet, very stiff, TILL.	GP	Till
12.0								VOC samples collected from 0-3ft and 8-12ft. Composite samples collected from 0-3ft and 3-12ft.		

## BORING LOG

Page 1 of 1

Site: Onondaga Lake (Syracuse NY)

Boring No: GPIT-SB-023

Date: 05/31/2012

Weather: Clear, mid 60s

# Honeywell

Northing: 1223212.9

Easting: 844118.6

Ground Elevation: 430.2

Drilling Company: PARRATT WOLFF INC

Logging Company:

Borehole Driller: Mark Eaves

Borehole Geologist: A. Menges Rig Type:

Total Depth: 12.0 Ft

Borehole Depth Units: Ft

Depth Ft	Recoy	Sample ID	Blow Count	N Value	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0								Moist-wet, loose, red-brown, fine to coarse SAND and fine to coarse GRAVEL.		
	▼						SW-GW		GP	
5							SW	Wet, loose, red-brown, fine to coarse SAND, some fine to coarse gravel.	GP	Sand and Gravel
10							SW	8-10ft: Wet, loose, red brown, fine to coarse SAND, some fine to coarse gravel (SW). 10-11.3ft: Wet, medium stiff, gray, SILT, some fine sand, trace clay (ML). 11.3-11.5ft: Wet, stiff, red-brown (TILL).	GP	Till
12.0								VOC samples collected from 0-3ft and 8-12ft. Composite samples collected from 0-3ft and 3-12ft.		

## BORING LOG

Page 1 of 1

Site: Onondaga Lake (Syracuse NY)

Boring No: GPIT-SB-024

Date: 05/31/2012

Weather: Clear, mid 60s



Northing: 1223005.1

Easting: 844326.6

Ground Elevation: 433.0

Drilling Company: PARRATT WOLFF INC

Logging Company:

Borehole Driller: Mark Eaves

Borehole Geologist: A. Menges Rig Type:

Total Depth: 20.0 Ft

Borehole Depth Units: Ft

Depth Ft	Recoy	Sample ID	Blow Count	N Value	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0							SW-GW	Moist, loose, red-brown, fine to coarse SAND and fine to coarse GRAVEL.	GP	
5	▼						SW-GW	4-5ft: Moist, loose, red-brown, fine to coarse SAND and fine to coarse GRAVEL. 5-7ft: Wet, loose, red-brown, fine to coarse SAND and fine to coarse GRAVEL.	GP	
10							SW	Wet, loose, red-brown, fine to coarse SAND, some fine to coarse gravel, gray sand in last 2in.	GP	Sand and Gravel
15							SM	Wet, brown, loose, fine to coarse SAND, trace silt in bottom 2in.	GP	
20.0							SM	Wet, medium dense, red-brown, fine to coarse SAND, trace silt, trace fine gravel. Chunk of rock in nose and bottom 2in.	GP	

VOC samples collected from 0-4ft and 16-20ft. Composite samples collected from 0-4ft and 4-20ft.

## BORING LOG

Page 1 of 1

Site: Onondaga Lake (Syracuse NY)

Boring No: GPIT-SB-025

Date: 05/31/2012

Weather: Clear, mid 60s



Northing: 1222821.8

Easting: 844128.3

Ground Elevation: 435.9

Drilling Company: PARRATT WOLFF INC

Logging Company:

Borehole Driller: Mark Eaves

Borehole Geologist: A. Menges Rig Type:

Total Depth: 20.0 Ft

Borehole Depth Units: Ft

Depth Ft	Recoy	Sample ID	Blow Count	N Value	PID (ppm)	Mercury (mg/m3)	USCS Code	Soil Description	Sample Method	Stratum
0							SW-GW	Moist, loose, red-brown, fine to coarse SAND and fine to coarse GRAVEL.	GP	
5	▼						SW-GW	Wet, loose, red-brown, fine to coarse SAND and fine to coarse GRAVEL.	GP	
10							SW-GW	Wet, loose, red-brown, fine to coarse SAND and fine to coarse GRAVEL.	GP	Sand and Gravel
15							SM-SW-GW	12-13ft: Wet, medium dense, brown, fine SAND, trace silt. 13-15ft: Wet, medium dense, fine to coarse SAND, trace fine gravel. 15-16ft: Wet, loose, brown, fine to coarse SAND and fine to coarse GRAVEL.	GP	
20.0							SW-GW	16-18.5ft: Wet, loose, brown, fine to coarse SAND and fine to coarse GRAVEL (SW-GW). 18.5-20ft: Wet, very stiff, red-brown (TILL).	GP	Till

VOC samples collected from 0-4ft and 12-16ft. Composite samples collected from 0-4ft and 4-20ft.

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**APPENDIX B**

**DATA USABILITY SUMMARY REPORT (DUSR)**

**Honeywell**

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**DATA USABILITY SUMMARY REPORT**

**EARTHEN MATERIALS INVESTIGATION**

**GRANBY QUARRY**

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*Prepared For:*

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**OCTOBER 2012**

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**PARSONS**

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**LIST OF ATTACHMENTS****ATTACHMENT A VALIDATED LABORATORY DATA**

## SECTION 1

### DATA USABILITY SUMMARY

Soil samples for the Granby Quarry Investigation were collected from the Riccelli Granby Pit site in Fulton, New York from May 22, 2012 through June 1, 2012. Analytical results from these samples were validated and reviewed by Parsons for usability with respect to the following requirements:

- Earthen Materials Investigation – Granby Quarry Work Plan
- Onondaga Lake SCA QAPP,
- Geddes Brook QAPP,
- July 2005 NYSDEC Analytical Services Protocol (ASP), and
- USEPA Region II Standard Operating Procedures (SOPs) for organic and inorganic data review.

The analytical laboratory for this project was Accutest Laboratories (Accutest) in Dayton, New Jersey. This laboratory is certified to conduct project analyses through the New York State Department of Health (NYSDOH) and the National Environmental Laboratory Accreditation Program (NELAP).

#### 1.1 LABORATORY DATA PACKAGES

The laboratory data package turnaround time, defined as the time from sample receipt by the laboratory to receipt of the analytical data packages by Parsons, was 32 days on average for the samples.

The laboratory data packages received from Accutest were paginated, complete, and overall were of good quality. Comments on specific quality control (QC) and other requirements are discussed in detail in the attached data validation reports which are summarized in Section 2.

#### 1.2 SAMPLING AND CHAIN-OF-CUSTODY

The samples were collected, properly preserved, shipped under a COC record, and received at Accutest within one day of sampling. All samples were received intact and in good condition at Accutest.

#### 1.3 LABORATORY ANALYTICAL METHODS

The soil samples were collected from the site and analyzed for the NYSDEC Subpart 375 Unrestricted Use Soil Cleanup Objective (SCO) parameters of volatiles, semivolatiles, pesticides, polychlorinated biphenyls (PCBs), herbicides, metals, cyanide, pH, and redox potential. Summaries of issues concerning these laboratory analyses are presented in

Subsections 1.3.1 through 1.3.5. The data qualifications resulting from the data validation review and statements on the laboratory analytical precision, accuracy, representativeness, completeness, and comparability (PARCC) are discussed for each analytical method in Section 2. The laboratory data were reviewed and may be qualified with the following validation flags:

- "U" - not detected at the value given,
- "UJ" - estimated and not detected at the value given,
- "J" - estimated at the value given,
- "N" - presumptive evidence at the value given, and
- "R" - unusable value.

The validated laboratory data were tabulated and are presented in Attachment A.

### **1.3.1 Volatile Organic Analysis**

Soil samples collected from the site were analyzed for volatiles using the USEPA SW-846 8260C analytical method. Certain reported results for these samples were qualified as estimated based upon instrument calibrations. The reported volatile analytical results were 100% complete (i.e., usable) for the data presented by Accutest. PARCC requirements were met.

### **1.3.2 Semivolatile Organic Analysis**

Soil samples collected from the site were analyzed for semivolatiles using the USEPA SW-846 8270C analytical method. The reported results for these samples did not require qualification resulting from data validation. The reported semivolatile analytical results were 100% complete (i.e., usable) for the data presented by Accutest. PARCC requirements were met.

### **1.3.3 Pesticide, PCB, and Herbicide Organic Analysis**

Soil samples collected from the site were analyzed for pesticides, PCBs, and herbicides using the USEPA SW-846 8081B, 8082A, and 8151 analytical methods, respectively. Certain reported results for these samples were qualified as estimated based upon sample result identification. The reported pesticide, PCB, and herbicide analytical results were considered 100% complete (i.e., usable) for the data presented by Accutest. PARCC requirements were met.

### **1.3.4 Metals and Cyanide Analysis**

Soil samples collected from the site were analyzed for metals and cyanide using the USEPA SW-846 6010C/7471B/7196A and 9012 analytical methods, respectively. Certain reported results for these samples were qualified as estimated based upon holding times, matrix spike/matrix spike duplicate (MS/MSD) recoveries, laboratory duplicate precision, and serial dilutions. The reported metals and cyanide results were considered 100% complete (i.e., usable) for the data presented by Accutest. PARCC requirements were met.

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### 1.3.5 Wet Chemistry Analyses

Soil samples were analyzed for pH and redox potential using the USEPA SW-846 9045C and ASTM D1498-76M analytical methods, respectively. All laboratory data for these samples were reviewed and evaluated for usability with respect to custody documentation, holding times, laboratory blanks, laboratory control sample accuracy, laboratory duplicate precision, matrix spike/matrix spike duplicate precision and accuracy, instrument calibrations, field duplicate precision, data completeness, sample data verification and identification, and quantitation limits. The reported results for these samples did not require qualification resulting from data validation. The reported analytical results for all of the pH and redox potential samples were 100% complete with all data considered usable and valid for the data presented by Accutest. PARCC requirements were met.

## SECTION 2

### DATA VALIDATION REPORTS

#### **2.1 SOIL SAMPLES**

Data review has been completed for data packages generated by Accutest containing soil samples collected from the site. These samples were contained within sample delivery groups (SDGs) JB7168, JB7298, JB7414, JB7549, JB7630, JB7723, JB7800, and JB7945. All of these samples were properly preserved, shipped under a COC record, and received intact by the analytical laboratory. The validated laboratory data were tabulated and are presented in Attachment A.

Data validation was performed for all samples in accordance with the project work plan, QAPP, NYSDEC ASP, and the USEPA Region II SOPs for organic and inorganic data review. This data validation and usability report is presented by analysis type.

##### **2.1.1 Volatiles**

The following items were reviewed for compliancy in the volatile analysis:

- Custody documentation
- Holding times
- Surrogate recoveries
- Matrix spike/matrix spike duplicate (MS/MSD) precision and accuracy
- Laboratory control sample (LCS) recoveries
- Laboratory method blank and field blank contamination
- GC/MS instrument performance
- Sample result verification and identification
- Initial and continuing calibrations
- Internal standard area counts and retention times
- Field duplicate precision
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of MS/MSD precision and accuracy, LCS recoveries, and initial and continuing calibrations as discussed below.

## MS/MSD Precision and Accuracy

All MS/MSD precision (relative percent differences; RPDs) and accuracy (percent recoveries; %Rs) measurements were within QC acceptance limits for designated spiked project samples with the exception of the high accuracy results for acetone (197%R/197%R; QC limit 12-189%R) during the spiked analyses of sample GPIT-1671-01; the precision result for acetone (44%RPD; QC limit 0-35%RPD) during the spiked analyses of sample GPIT-1674-09; the precision results for 2-butanone (38%RPD; QC limit 0-32%RPD) and trichloroethene (25%RPD; QC limit 0-23%RPD) during the spiked analyses of sample GPIT-1676-02; and the precision result for 1,4-dioxane (39%RPD; QC limit 0-35%RPD) during the spiked analyses of sample GPIT-1678-02. Validation qualification of the unspiked parent sample results for these compounds was not required.

## LCS Recoveries

All LCS recoveries were considered acceptable and within QC limits with the exception of the high LCS recovery for carbon tetrachloride (142%R; QC limit 70-140%R) associated with samples GPIT-1674-05, -06, and -09; and the high LCS recovery for o-xylene (123%R; QC limit 77-121%R) associated with samples GPIT-1676-06, -08, -10, -12, -14, -16, -18, -20, -22, and -24. Validation qualification of these samples was not required since these compounds were not detected.

## Initial and Continuing Calibrations

All initial calibration compounds were within QC limits with a maximum percent relative standard deviation (%RSD) of 20% and a minimum mean relative response factor (RRF) of 0.05 with the exception of 1,4-dioxane (21.39%RSD) and methylene chloride (28.10%RSD) in the initial calibration associated with soil samples in SDGs JB7168, JB7414, and JB7800, and samples GPIT-1674-02, -03, and -12; and acetone (25.13%RSD) in the initial calibration associated with samples GPIT-1674-05, -06, and -09. The sample results for these compounds were considered estimated with positive results qualified "J" and nondetected results qualified "UJ" for the affected samples.

All continuing calibrations compounds were within QC limits with a minimum relative response factor (RRF) of 0.05 and a maximum percent difference (%D) within  $\pm$  25% with the exception of carbon tetrachloride (-29.4%D) and 1,1,1-trichloroethane (-21.8%D) in the continuing calibration associated with samples GPIT-1674-05, -06, and -09; acetone (-21.9%D) in the continuing calibration associated with samples GPIT-1674-02, -03, and -12; acetone (-37.5%D) in the continuing calibration associated with samples GPIT-1676-20, -22, and -24; 1,1,1-trichloroethane (-21.6%D) in the continuing calibration associated with sample GPIT-1675-18; and acetone (21.4%D) in the continuing calibration associated with samples GPIT-1678-02, -06, and -08. The sample results for these compounds were considered estimated with positive results qualified "J" and nondetected results qualified "UJ" for the affected samples.

## Usability

All volatile results for the soil samples were considered usable following data validation.

## Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, and comparability. The volatile soil data presented by Accutest were 100% complete (i.e., usable). The validated laboratory data are tabulated and presented in Attachment A.

### **2.1.2 Semivolatiles**

The following items were reviewed for compliancy in the semivolatile analysis:

- Custody documentation
- Holding times
- Surrogate recoveries
- Matrix spike/matrix spike duplicate (MS/MSD) precision and accuracy
- Laboratory control sample (LCS) recoveries
- Laboratory method blank and field blank contamination
- GC/MS instrument performance
- Sample result verification and identification
- Initial and continuing calibrations
- Internal standard area counts and retention times
- Field duplicate precision
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of surrogate recoveries and MS/MSD precision and accuracy as discussed below.

## Surrogate Recoveries

All sample surrogate recoveries were considered acceptable and within QC limits with the exception of the high terphenyl-d14 surrogate recovery (QC limit 31-129%R) in samples GPIT-1678-05 (140%R) and -09 (150%R). Validation qualification of these samples was not required since only one base-neutral surrogate exceeded the QC limit.

## MS/MSD Precision and Accuracy

All MS/MSD precision (relative percent differences; RPDs) and accuracy (percent recoveries; %Rs) measurements were within QC acceptance limits and considered acceptable for designated spiked project samples with the exception of the precision results for 2-methylphenol, 3+4-methylphenol, phenol, dibenzofuran, and naphthalene during the spiked analyses of sample GPIT-1675-19. Validation qualification of the unspiked parent sample was not required since MS/MSD accuracy results were within criteria.

### Usability

All semivolatile results for the soil samples were considered usable following data validation.

### Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, and comparability. The semivolatile soil data presented by Accutest were 100% complete (i.e., usable). The validated semivolatile laboratory data are tabulated and presented in Attachment A.

### **2.1.3 Pesticides, PCBs, and Herbicides**

The following items were reviewed for compliancy in the pesticide, PCB, and herbicide analysis:

- Custody documentation
- Holding times
- Surrogate recoveries
- Matrix spike/matrix spike duplicate (MS/MSD) precision and accuracy
- Laboratory control sample (LCS) recoveries
- Laboratory method blank and field blank contamination
- Initial calibrations
- Verification calibrations
- Chromatogram quality
- Field duplicate precision
- Sample result verification and identification
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of surrogate recoveries and sample result identification as discussed below.

## Surrogate Recoveries

All sample surrogate recoveries were within QC advisory limits with the exception of the high 2,4-DCAA surrogate recovery (QC limit 13-146%R) on the second column for herbicide samples GPIT-1671-06 (148%R), -10 (152%R), GPIT-1670-02 (148%R), and -09 (151%R); and the high tetrachloro-m-xylene (TCMX) recovery (QC limit 22-141%R) on the first column for pesticide sample GPIT-1672-02 (161%R). Validation qualification of these samples was not required since only one surrogate on one column was outside the QC limit.

## Sample Result Identification

All positive sample results for verified and identified using second column confirmation and precision results between the two columns were less than 25%RPD for all detected pesticides and PCBs with the exception of heptachlor in sample GPIT-1670-07 (48.5%RPD); and 4,4'-DDT in sample GPIT-1672-06 (26.7%RPD). Therefore, the positive results for these compounds were considered estimated and qualified "J" for the affected samples.

## Usability

All pesticide, PCB, and herbicide results for the soil samples were considered usable following data validation.

## Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, and comparability. The pesticide, PCB, and herbicide data for presented by Accutest were 100% complete with all data considered usable and valid. The validated data are tabulated and presented in Attachment A.

### **2.1.4 Inorganics**

The following items were reviewed for compliancy in the inorganics analysis:

- Custody documentation
- Holding times
- Initial and continuing calibration verifications
- Initial and continuing calibration blank, laboratory preparation blank, and field blank contamination
- Matrix spike/matrix spike duplicate (MS/MSD) recoveries
- Laboratory duplicate precision
- Laboratory control sample (LCS) recoveries
- Serial dilutions
- Interference check sample recoveries

- Field duplicate precision
- Sample result verification and identification
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of holding times, MS/MSD recoveries, laboratory duplicate precision, and serial dilutions as discussed below.

### Holding Times

All sample holding times were within specified criteria for analysis with the exception of cyanide samples GPIT-1674-04, -07, -08, -10, and -11 which exceeded the 12-day verified time of sample receipt (VTSR) holding time by 2 days. Therefore, the cyanide results for these samples which were nondetects, were considered estimated, possibly biased low, and qualified "UJ".

### MS/MSD Recoveries

All MS/MSD recoveries were considered acceptable and within the 75-125%R QC limit for all analytes with the exception of the high MS/MSD recoveries for manganese (135.4%R/145.3%R) associated with samples in SDG JB7168; the high MS recovery for manganese (147.8%R) associated with samples in SDG JB7549; and the MS/MSD recoveries for manganese (214.5%R/18.1%R) associated with samples in SDG JB7723. Positive manganese results for those samples where MS or MSD recoveries exceeded the QC limit were considered estimated, possibly biased high, and qualified "J" for the affected samples. Manganese results for those samples where MS or MSD recoveries fell below the QC limit were considered estimated, possibly biased low, with positive results qualified "J" and nondetected results qualified "UJ" for the affected samples.

### Laboratory Duplicate Precision

All laboratory duplicate precision results were considered acceptable and within 0-20%RPD QC limit for all analytes with the exception of the laboratory duplicate precision for hexavalent chromium (95.8%RPD, 54.2%RPD) associated with samples in SDGs JB7414 and JB7800; and manganese (40.4%RPD) associated with samples in SDG JB7723. Therefore, results for these analytes were considered estimated with positive results qualified "J" and nondetected results qualified "UJ" for the affected samples.

### Serial Dilutions

All serial dilution results were less than 10%D with the exception of manganese (11.2%D) and chromium (18.9%D) associated with samples in SDG JB7168; chromium (13.1%D) and zinc (26.4%D) associated with samples in SDG JB7549; manganese (10.4%D) and zinc (16.6%D) associated with samples in SDG JB7723; and chromium (11.4%D) and zinc (15.6%D) associated

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with samples in SDG JB7945. Therefore, all positive results for these analytes were considered estimated and qualified "J" for the affected samples.

### Usability

All inorganic results for the soil samples were considered usable following data validation.

### Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, and comparability. The inorganic data for the soil samples presented by Accutest were 100% complete (i.e., usable). The validated laboratory data are tabulated and presented in Attachment A.

**ATTACHMENT A**

**VALIDATED LABORATORY DATA**

		Location	GPIT-SB-001	GPIT-SB-001	GPIT-SB-001	GPIT-SB-001	GPIT-SB-001	GPIT-SB-002	GPIT-SB-002
		Field Sample ID	GPIT-1678-01	GPIT-1678-02	GPIT-1678-03	GPIT-1678-04	GPIT-1678-09	GPIT-1674-001	GPIT-1674-002
		Sample Date	6/1/2012	6/1/2012	6/1/2012	6/1/2012	6/1/2012	5/29/2012	5/29/2012
		Sample Delivery Group	JB7945	JB7945	JB7945	JB7945	JB7945	JB7630	JB7630
		Sample Depth	0-8 FT	4-8 FT	8-28 FT	12-16 FT	0-8 FT	0-8 FT	7-8 FT
		Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Sample Purpose	Regular sample	Regular sample	Regular sample	Regular sample	Field duplicate	Regular sample	Regular sample
		Sample Type	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring
Method	Parameter Name	Units	NYSDEC_Unrestricted Use SCOs						
ASTM D1498	OXIDATION-REDUCTION POTENTIAL	mv	NA	312		295		277	279
SM2540G	SOLIDS, PERCENT	%	NA	91	87.3	86.6	83.3	91	92.2
SW6010	ARSENIC	mg/kg	13	2.1		1.4 J		2 J	3.1
SW6010	BARIUM	mg/kg	350	19 J		25		40.7	74.2
SW6010	BERYLLIUM	mg/kg	7.2	0.17 J		0.2 J		0.3	0.26
SW6010	CADMIUM	mg/kg	2.5	0.032 J		0.056 J		0.044 J	0.077 J
SW6010	CHROMIUM	mg/kg	30	4.3 J		4.8 J		12 J	7.9
SW6010	CHROMIUM III	mg/kg	30	4 J		4.8 J		12 J	7.9
SW6010	COPPER	mg/kg	50	5.9		5.9		13.1	18.6
SW6010	LEAD	mg/kg	63	2.1		2 J		2.1 J	3
SW6010	MANGANESE	mg/kg	1600	254		230		586	767
SW6010	NICKEL	mg/kg	30	4.2		4.7		7.6	10.3
SW6010	SELENIUM	mg/kg	3.9	0.36 J		0.27 U		0.27 U	0.26 U
SW6010	SILVER	mg/kg	2	0.074 J		0.07 U		0.13 J	0.068 U
SW6010	ZINC	mg/kg	109	13.6 J		12.1 J		19.8 J	25.7
SW7196	HEXAVALENT CHROMIUM	mg/Kg	1	0.26 J		0.23 U		0.21 U	0.21 U
SW7471	MERCURY	mg/kg	0.18	0.013 U		0.013 U		0.014 U	0.013 U
SW8081	4,4'-DDD	ug/kg	3.3	0.73 U		0.75 U		0.71 U	0.7 U
SW8081	4,4'-DDE	ug/kg	3.3	0.73 U		0.75 U		0.71 U	0.7 U
SW8081	4,4'-DDT	ug/kg	3.3	0.73 U		0.75 U		0.71 U	0.7 U
SW8081	ALDRIN	ug/kg	5	0.73 U		0.75 U		0.71 U	0.7 U
SW8081	ALPHA-BHC	ug/kg	20	0.73 U		0.75 U		0.71 U	0.7 U
SW8081	ALPHA-CHLORDANE	ug/kg	94	0.73 U		0.75 U		0.71 U	0.7 U
SW8081	BETA-BHC	ug/kg	36	0.73 U		0.75 U		0.71 U	0.7 U
SW8081	DELTA-BHC	ug/kg	40	0.73 U		0.75 U		0.71 U	0.7 U
SW8081	DIELDRIN	ug/kg	5	0.73 U		0.75 U		0.71 U	0.7 U
SW8081	ENDOSULFAN I	ug/kg	2400	0.73 U		0.75 U		0.71 U	0.7 U
SW8081	ENDOSULFAN II	ug/kg	2400	0.73 U		0.75 U		0.71 U	0.7 U
SW8081	ENDOSULFAN SULFATE	ug/kg	2400	0.73 U		0.75 U		0.71 U	0.7 U
SW8081	ENDRIN	ug/kg	14	0.73 U		0.75 U		0.71 U	0.7 U
SW8081	GAMMA-BHC (LINDANE)	ug/kg	100	0.73 U		0.75 U		0.71 U	0.7 U
SW8081	HEPTACHLOR	ug/kg	42	0.73 U		0.75 U		0.71 U	0.7 U
SW8082	AROCLOR-1016	ug/kg	100	37 U		38 U		36 U	35 U
SW8082	AROCLOR-1221	ug/kg	100	37 U		38 U		36 U	35 U
SW8082	AROCLOR-1232	ug/kg	100	37 U		38 U		36 U	35 U
SW8082	AROCLOR-1242	ug/kg	100	37 U		38 U		36 U	35 U
SW8082	AROCLOR-1248	ug/kg	100	37 U		38 U		36 U	35 U
SW8082	AROCLOR-1254	ug/kg	100	37 U		38 U		36 U	35 U
SW8082	AROCLOR-1260	ug/kg	100	37 U		38 U		36 U	35 U
SW8082	AROCLOR-1262	ug/kg	100	37 U		38 U		36 U	35 U
SW8082	AROCLOR-1268	ug/kg	100	37 U		38 U		36 U	35 U
SW8082	PCBS, N.O.S.	ug/kg	100	37 U		38 U		36 U	35 U
SW8151	2,4,5-TP (SILVEX)	ug/kg	3800	3.3 U		3.2 U		3.4 U	3.1 U
SW8260	1,1,1-TRICHLOROETHANE	ug/kg	680		5.6 U		5.6 U		6.6 U
SW8260	1,1-DICHLOROETHANE	ug/kg	270		5.6 U		5.6 U		6.6 U
SW8260	1,1-DICHLOROETHENE	ug/kg	330		5.6 U		5.6 U		6.6 U

		Location	GPIT-SB-001	GPIT-SB-001	GPIT-SB-001	GPIT-SB-001	GPIT-SB-001	GPIT-SB-002	GPIT-SB-002
		Field Sample ID	GPIT-1678-01	GPIT-1678-02	GPIT-1678-03	GPIT-1678-04	GPIT-1678-09	GPIT-1674-001	GPIT-1674-002
		Sample Date	6/1/2012	6/1/2012	6/1/2012	6/1/2012	6/1/2012	5/29/2012	5/29/2012
		Sample Delivery Group	JB7945	JB7945	JB7945	JB7945	JB7945	JB7630	JB7630
		Sample Depth	0-8 FT	4-8 FT	8-28 FT	12-16 FT	0-8 FT	0-8 FT	7-8 FT
		Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Sample Purpose	Regular sample	Regular sample	Regular sample	Regular sample	Field duplicate	Regular sample	Regular sample
		Sample Type	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring
Method	Parameter Name	Units	NYSDEC_Unrestricted Use SCOs						
SW8260	1,2,4-TRIMETHYLBENZENE	ug/kg	3600		5.6 U		5.6 U		6.6 U
SW8260	1,2-DICHLOROBENZENE	ug/kg	1100		5.6 U		5.6 U		6.6 U
SW8260	1,2-DICHLOROETHANE	ug/kg	20		1.1 U		1.1 U		1.3 U
SW8260	1,3,5-TRIMETHYLBENZENE	ug/kg	8400		5.6 U		5.6 U		6.6 U
SW8260	1,3-DICHLOROBENZENE	ug/kg	2400		5.6 U		5.6 U		6.6 U
SW8260	1,4-DICHLOROBENZENE	ug/kg	1800		5.6 U		5.6 U		6.6 U
SW8260	1,4-DIOXANE	ug/kg	100		140 U		140 U		170 UJ
SW8260	2-BUTANONE	ug/kg	120		11 U		11 U		13 U
SW8260	ACETONE	ug/kg	50		11 UJ		11 U		13 UJ
SW8260	BENZENE	ug/kg	60		1.1 U		1.1 U		1.3 U
SW8260	BUTYLBENZENE	ug/kg	12000		5.6 U		5.6 U		6.6 U
SW8260	CARBON TETRACHLORIDE	ug/kg	760		5.6 U		5.6 U		6.6 U
SW8260	CHLOROBENZENE	ug/kg	1100		5.6 U		5.6 U		6.6 U
SW8260	CHLOROFORM	ug/kg	370		5.6 U		5.6 U		6.6 U
SW8260	CIS-1,2-DICHLOROETHENE	ug/kg	250		5.6 U		5.6 U		6.6 U
SW8260	ETHYLBENZENE	ug/kg	1000		1.1 U		1.1 U		1.3 U
SW8260	METHYL TERT-BUTYL ETHER	ug/kg	930		1.1 U		1.1 U		1.3 U
SW8260	METHYLENE CHLORIDE	ug/kg	50		5.6 U		5.6 U		6.6 UJ
SW8260	N-PROPYLBENZENE	ug/kg	3900		5.6 U		5.6 U		6.6 U
SW8260	O-XYLENE	ug/kg	260		0.2 J		1.1 U		1.3 U
SW8260	SEC-BUTYLBENZENE	ug/kg	11000		5.6 U		5.6 U		6.6 U
SW8260	TERT-BUTYLBENZENE	ug/kg	5900		5.6 U		5.6 U		6.6 U
SW8260	TETRACHLOROETHENE	ug/kg	1300		5.6 U		5.6 U		6.6 U
SW8260	TOLUENE	ug/kg	700		1.5		1.4		2.2
SW8260	TRANS-1,2-DICHLOROETHENE	ug/kg	190		5.6 U		5.6 U		6.6 U
SW8260	TRICHLOROETHENE	ug/kg	470		5.6 U		5.6 U		6.6 U
SW8260	VINYL CHLORIDE	ug/kg	20		5.6 U		5.6 U		6.6 U
SW8260	XYLENES, M & P	ug/kg	260		0.7 J		0.41 J		1.3 U
SW8260	XYLENES, TOTAL	ug/kg	260		0.9 J		0.41 J		1.3 U
SW8270	2-METHYLPHENOL	ug/kg	330	63 U		66 U		63 U	62 U
SW8270	3&4-METHYLPHENOL	ug/kg	null	63 U		66 U		63 U	62 U
SW8270	ACENAPHTHENE	ug/kg	20000	31 U		33 U		31 U	31 U
SW8270	ACENAPHTHYLENE	ug/kg	100000	31 U		33 U		31 U	31 U
SW8270	ANTHRACENE	ug/kg	100000	31 U		33 U		31 U	31 U
SW8270	BENZO(A)ANTHRACENE	ug/kg	1000	31 U		33 U		31 U	31 U
SW8270	BENZO(A)PYRENE	ug/kg	1000	31 U		33 U		31 U	31 U
SW8270	BENZO(B)FLUORANTHENE	ug/kg	1000	31 U		33 U		31 U	31 U
SW8270	BENZO(G,H,I)PERYLENE	ug/kg	100000	31 U		33 U		31 U	31 U
SW8270	BENZO(K)FLUORANTHENE	ug/kg	800	31 U		33 U		31 U	31 U
SW8270	CHRYSENE	ug/kg	1000	31 U		33 U		31 U	31 U
SW8270	DIBENZO(A,H)ANTHRACENE	ug/kg	330	31 U		33 U		31 U	31 U
SW8270	DIBENZOFURAN	ug/kg	7000	63 U		66 U		63 U	62 U
SW8270	FLUORANTHENE	ug/kg	100000	31 U		33 U		31 U	31 U
SW8270	FLUORENE	ug/kg	30000	31 U		33 U		31 U	31 U
SW8270	HEXAChLOROBENZENE	ug/kg	330	63 U		66 U		63 U	62 U
SW8270	INDENO(1,2,3-CD)PYRENE	ug/kg	500	31 U		33 U		31 U	31 U

		Location	GPIT-SB-001	GPIT-SB-001	GPIT-SB-001	GPIT-SB-001	GPIT-SB-001	GPIT-SB-002	GPIT-SB-002
	Field Sample ID	GPIT-1678-01	GPIT-1678-02	GPIT-1678-03	GPIT-1678-04	GPIT-1678-09	GPIT-1674-001	GPIT-1674-002	
	Sample Date	6/1/2012	6/1/2012	6/1/2012	6/1/2012	6/1/2012	5/29/2012	5/29/2012	
	Sample Delivery Group	JB7945	JB7945	JB7945	JB7945	JB7945	JB7630	JB7630	
	Sample Depth	0-8 FT	4-8 FT	8-28 FT	12-16 FT	0-8 FT	0-8 FT	7-8 FT	
	Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	
	Sample Purpose	Regular sample	Regular sample	Regular sample	Regular sample	Field duplicate	Regular sample	Regular sample	
	Sample Type	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	
Method	Parameter Name	Units	NYSDEC_Unrestricted Use SCOs						
SW8270	NAPHTHALENE	ug/kg	12000	31 U		33 U		31 U	31 U
SW8270	PENTACHLOROPHENOL	ug/kg	800	310 U		330 U		310 U	310 U
SW8270	PHENANTHRENE	ug/kg	100000	31 U		33 U		31 U	31 U
SW8270	PHENOL	ug/kg	330	63 U		66 U		63 U	62 U
SW8270	PYRENE	ug/kg	100000	31 U		33 U		31 U	31 U
SW9012	CYANIDE	mg/kg	27	0.12 U		0.12 U		0.12 U	0.12 U
SW9045	pH	S.U.	NA	8.78		8.62		9.29	9.03

		Location	GPIT-SB-002	GPIT-SB-002	GPIT-SB-003	GPIT-SB-003	GPIT-SB-004	GPIT-SB-004	GPIT-SB-004
		Field Sample ID	GPIT-1674-003	GPIT-1674-004	GPIT-1670-08	GPIT-1670-09	GPIT-1670-01	GPIT-1670-02	GPIT-1670-03
		Sample Date	5/29/2012	5/29/2012	5/22/2012	5/22/2012	5/22/2012	5/22/2012	5/22/2012
		Sample Delivery Group	JB7630	JB7630	JB7168	JB7168	JB7168	JB7168	JB7168
		Sample Depth	10-11 FT	8-13 FT	0-1.5 FT	0-4 FT	4-8 FT	0-8 FT	20-24 FT
		Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Sample Purpose	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample
		Sample Type	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring
Method	Parameter Name	Units	NYSDEC_Unrestricted Use SCOs						
ASTM D1498	OXIDATION-REDUCTION POTENTIAL	mv	NA		287		292		293
SM2540G	SOLIDS, PERCENT	%	NA	84.8	82.2	96.2	96	90	82.9
SW6010	ARSENIC	mg/kg	13		1.3 J		2 J		2.2 J
SW6010	BARIUM	mg/kg	350		38.7		46.5		32.5
SW6010	BERYLLIUM	mg/kg	7.2		0.13 J		0.23		0.23 J
SW6010	CADMIUM	mg/kg	2.5		0.036 J		0.052 J		0.061 J
SW6010	CHROMIUM	mg/kg	30		4.9		6.6 J		10.8 J
SW6010	CHROMIUM III	mg/kg	30		4.9		6.6 J		10.5 J
SW6010	COPPER	mg/kg	50		4.2		15.7		13.9
SW6010	LEAD	mg/kg	63		1.8 J		2.7		2.5
SW6010	MANGANESE	mg/kg	1600		261		447 J		502 J
SW6010	NICKEL	mg/kg	30		5.3		9		9.2
SW6010	SELENIUM	mg/kg	3.9		0.29 U		0.43 J		0.49 J
SW6010	SILVER	mg/kg	2		0.075 U		0.064 U		0.13 J
SW6010	ZINC	mg/kg	109		12.2		22.1		21.5
SW7196	HEXAVALENT CHROMIUM	mg/Kg	1		0.24 U		0.2 U		0.26 J
SW7471	MERCURY	mg/kg	0.18		0.015 U		0.013 U		0.015 U
SW8081	4,4'-DDD	ug/kg	3.3		0.75 U		0.65 U		0.7 U
SW8081	4,4'-DDE	ug/kg	3.3		0.75 U		0.65 U		0.7 U
SW8081	4,4'-DDT	ug/kg	3.3		0.75 U		0.65 U		0.7 U
SW8081	ALDRIN	ug/kg	5		0.75 U		0.65 U		0.7 U
SW8081	ALPHA-BHC	ug/kg	20		0.75 U		0.65 U		0.7 U
SW8081	ALPHA-CHLORDANE	ug/kg	94		0.75 U		0.65 U		0.7 U
SW8081	BETA-BHC	ug/kg	36		0.75 U		0.65 U		0.7 U
SW8081	DELTA-BHC	ug/kg	40		0.75 U		0.65 U		0.7 U
SW8081	DIELDRIN	ug/kg	5		0.75 U		0.65 U		0.7 U
SW8081	ENDOSULFAN I	ug/kg	2400		0.75 U		0.65 U		0.7 U
SW8081	ENDOSULFAN II	ug/kg	2400		0.75 U		0.65 U		0.7 U
SW8081	ENDOSULFAN SULFATE	ug/kg	2400		0.75 U		0.65 U		0.7 U
SW8081	ENDRIN	ug/kg	14		0.75 U		0.65 U		0.7 U
SW8081	GAMMA-BHC (LINDANE)	ug/kg	100		0.75 U		0.65 U		0.7 U
SW8081	HEPTACHLOR	ug/kg	42		0.75 U		0.65 U		0.7 U
SW8082	AROCLOR-1016	ug/kg	100		40 U		33 U		35 U
SW8082	AROCLOR-1221	ug/kg	100		40 U		33 U		35 U
SW8082	AROCLOR-1232	ug/kg	100		40 U		33 U		35 U
SW8082	AROCLOR-1242	ug/kg	100		40 U		33 U		35 U
SW8082	AROCLOR-1248	ug/kg	100		40 U		33 U		35 U
SW8082	AROCLOR-1254	ug/kg	100		40 U		33 U		35 U
SW8082	AROCLOR-1260	ug/kg	100		40 U		33 U		35 U
SW8082	AROCLOR-1262	ug/kg	100		40 U		33 U		35 U
SW8082	AROCLOR-1268	ug/kg	100		40 U		33 U		35 U
SW8082	PCBS, N.O.S.	ug/kg	100		40 U		33 U		35 U
SW8151	2,4,5-TP (SILVEX)	ug/kg	3800		3.5 U		3.3 U		4 U
SW8260	1,1,1-TRICHLOROETHANE	ug/kg	680		6.6 U		6 U		6.1 U
SW8260	1,1-DICHLOROETHANE	ug/kg	270		6.6 U		6 U		6.1 U
SW8260	1,1-DICHLOROETHENE	ug/kg	330		6.6 U		6 U		6.1 U

		Location	GPIT-SB-002	GPIT-SB-002	GPIT-SB-003	GPIT-SB-003	GPIT-SB-004	GPIT-SB-004	GPIT-SB-004
		Field Sample ID	GPIT-1674-003	GPIT-1674-004	GPIT-1670-08	GPIT-1670-09	GPIT-1670-01	GPIT-1670-02	GPIT-1670-03
		Sample Date	5/29/2012	5/29/2012	5/22/2012	5/22/2012	5/22/2012	5/22/2012	5/22/2012
		Sample Delivery Group	JB7630	JB7630	JB7168	JB7168	JB7168	JB7168	JB7168
		Sample Depth	10-11 FT	8-13 FT	0-1.5 FT	0-4 FT	4-8 FT	0-8 FT	20-24 FT
		Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Sample Purpose	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample
		Sample Type	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring
Method	Parameter Name	Units	NYSDEC_Unrestricted Use SCOs						
SW8260	1,2,4-TRIMETHYLBENZENE	ug/kg	3600	6.6 U		6 U		6.3 U	
SW8260	1,2-DICHLOROBENZENE	ug/kg	1100	6.6 U		6 U		6.3 U	
SW8260	1,2-DICHLOROETHANE	ug/kg	20	1.3 U		1.2 U		1.3 U	
SW8260	1,3,5-TRIMETHYLBENZENE	ug/kg	8400	6.6 U		6 U		6.3 U	
SW8260	1,3-DICHLOROBENZENE	ug/kg	2400	6.6 U		6 U		6.3 U	
SW8260	1,4-DICHLOROBENZENE	ug/kg	1800	6.6 U		6 U		6.3 U	
SW8260	1,4-DIOXANE	ug/kg	100	160 UJ		150 UJ		160 UJ	
SW8260	2-BUTANONE	ug/kg	120	13 U		12 U		13 U	
SW8260	ACETONE	ug/kg	50	13 UJ		12 U		13 U	
SW8260	BENZENE	ug/kg	60	1.3 U		1.2 U		1.3 U	
SW8260	BUTYLBENZENE	ug/kg	12000	6.6 U		6 U		6.3 U	
SW8260	CARBON TETRACHLORIDE	ug/kg	760	6.6 U		6 U		6.3 U	
SW8260	CHLOROBENZENE	ug/kg	1100	6.6 U		6 U		6.3 U	
SW8260	CHLOROFORM	ug/kg	370	6.6 U		6 U		6.3 U	
SW8260	CIS-1,2-DICHLOROETHENE	ug/kg	250	6.6 U		6 U		6.3 U	
SW8260	ETHYLBENZENE	ug/kg	1000	1.3 U		1.2 U		1.3 U	
SW8260	METHYL TERT-BUTYL ETHER	ug/kg	930	1.3 U		1.2 U		1.3 U	
SW8260	METHYLENE CHLORIDE	ug/kg	50	6.6 UJ		6 UJ		6.3 UJ	
SW8260	N-PROPYLBENZENE	ug/kg	3900	6.6 U		6 U		6.3 U	
SW8260	O-XYLENE	ug/kg	260	1.3 U		1.2 U		1.3 U	
SW8260	SEC-BUTYLBENZENE	ug/kg	11000	6.6 U		6 U		6.3 U	
SW8260	TERT-BUTYLBENZENE	ug/kg	5900	6.6 U		6 U		6.3 U	
SW8260	TETRACHLOROETHENE	ug/kg	1300	6.6 U		6 U		6.3 U	
SW8260	TOLUENE	ug/kg	700	1.2 J		1.2 U		1.3 U	
SW8260	TRANS-1,2-DICHLOROETHENE	ug/kg	190	6.6 U		6 U		6.3 U	
SW8260	TRICHLOROETHENE	ug/kg	470	6.6 U		6 U		6.3 U	
SW8260	VINYL CHLORIDE	ug/kg	20	6.6 U		6 U		6.3 U	
SW8260	XYLENES, M & P	ug/kg	260	1.3 U		1.2 U		1.3 U	
SW8260	XYLENES, TOTAL	ug/kg	260	1.3 U		1.2 U		1.3 U	
SW8270	2-METHYLPHENOL	ug/kg	330		69 U		59 U		74 U
SW8270	3&4-METHYLPHENOL	ug/kg	null		69 U		59 U		74 U
SW8270	ACENAPHTHENE	ug/kg	20000		35 U		30 U		37 U
SW8270	ACENAPHTHYLENE	ug/kg	100000		35 U		30 U		37 U
SW8270	ANTHRACENE	ug/kg	100000		35 U		30 U		37 U
SW8270	BENZO(A)ANTHRACENE	ug/kg	1000		35 U		30 U		37 U
SW8270	BENZO(A)PYRENE	ug/kg	1000		35 U		30 U		37 U
SW8270	BENZO(B)FLUORANTHENE	ug/kg	1000		35 U		30 U		37 U
SW8270	BENZO(G,H,I)PERYLENE	ug/kg	100000		35 U		30 U		37 U
SW8270	BENZO(K)FLUORANTHENE	ug/kg	800		35 U		30 U		37 U
SW8270	CHRYSENE	ug/kg	1000		35 U		30 U		37 U
SW8270	DIBENZO(A,H)ANTHRACENE	ug/kg	330		35 U		30 U		37 U
SW8270	DIBENZOFURAN	ug/kg	7000		69 U		59 U		74 U
SW8270	FLUORANTHENE	ug/kg	100000		35 U		30 U		37 U
SW8270	FLUORENE	ug/kg	30000		35 U		30 U		37 U
SW8270	HEXACHLOROBENZENE	ug/kg	330		69 U		59 U		74 U
SW8270	INDENO(1,2,3-CD)PYRENE	ug/kg	500		35 U		30 U		37 U

## Validated Earthen Material Investigation – Granby Quarry Data

		Location	GPIT-SB-002	GPIT-SB-002	GPIT-SB-003	GPIT-SB-003	GPIT-SB-004	GPIT-SB-004	GPIT-SB-004
	Field Sample ID	GPIT-1674-003	GPIT-1674-004	GPIT-1670-08	GPIT-1670-09	GPIT-1670-01	GPIT-1670-02	GPIT-1670-03	
	Sample Date	5/29/2012	5/29/2012	5/22/2012	5/22/2012	5/22/2012	5/22/2012	5/22/2012	5/22/2012
	Sample Delivery Group	JB7630	JB7630	JB7168	JB7168	JB7168	JB7168	JB7168	JB7168
	Sample Depth	10-11 FT	8-13 FT	0-1.5 FT	0-4 FT	4-8 FT	0-8 FT	20-24 FT	
	Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	
	Sample Purpose	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	
	Sample Type	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	
Method	Parameter Name	Units	NYSDEC_Unrestricted Use SCOs						
SW8270	NAPHTHALENE	ug/kg	12000		35 U		30 U		37 U
SW8270	PENTACHLOROPHENOL	ug/kg	800		350 U		300 U		370 U
SW8270	PHENANTHRENE	ug/kg	100000		35 U		30 U		37 U
SW8270	PHENOL	ug/kg	330		69 U		59 U		74 U
SW8270	PYRENE	ug/kg	100000		35 U		30 U		37 U
SW9012	CYANIDE	mg/kg	27		0.13 UJ		0.11 U		0.13 U
SW9045	pH	S.U.	NA		8.73		8.74		8.43

		Location	GPIT-SB-004	GPIT-SB-005	GPIT-SB-005	GPIT-SB-005	GPIT-SB-005	GPIT-SB-006	GPIT-SB-006
		Field Sample ID	GPIT-1670-04	GPIT-1675-01	GPIT-1675-02	GPIT-1675-03	GPIT-1675-04	GPIT-1670-05	GPIT-1670-06
		Sample Date	5/22/2012	5/30/2012	5/30/2012	5/30/2012	5/30/2012	5/22/2012	5/22/2012
		Sample Delivery Group	JB7168	JB7723	JB7723	JB7723	JB7723	JB7168	JB7168
		Sample Depth	8-28 FT	0-8 FT	4-8 FT	8-24 FT	16-20 FT	4-8 FT	8-8.6 FT
		Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Sample Purpose	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample
		Sample Type	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring
Method	Parameter Name	Units	NYSDEC_Unrestricted Use SCOs						
ASTM D1498	OXIDATION-REDUCTION POTENTIAL	mv	NA	292	248		293		
SM2540G	SOLIDS, PERCENT	%	NA	83	96.9	96.9	87.4	83.4	96.4
SW6010	ARSENIC	mg/kg	13	1.2 J	2.8		1.4 J		
SW6010	BARIUM	mg/kg	350	19.1 J	52.2		37.4		
SW6010	BERYLLIUM	mg/kg	7.2	0.13 J	0.33		0.24		
SW6010	CADMIUM	mg/kg	2.5	0.03 U	0.083 J		0.073 J		
SW6010	CHROMIUM	mg/kg	30	4.1 J	8		6.1		
SW6010	CHROMIUM III	mg/kg	30	4.1 J	8		6.1		
SW6010	COPPER	mg/kg	50	3.8	18.8		7.7		
SW6010	LEAD	mg/kg	63	1.6 J	3.5		2 J		
SW6010	MANGANESE	mg/kg	1600	227 J	670 J		339 J		
SW6010	NICKEL	mg/kg	30	4.5 J	8.3		7		
SW6010	SELENIUM	mg/kg	3.9	0.29 U	0.25 U		0.25 U		
SW6010	SILVER	mg/kg	2	0.075 U	0.064 U		0.064 U		
SW6010	ZINC	mg/kg	109	12.2	20.3 J		16.3 J		
SW7196	HEXAVALENT CHROMIUM	mg/Kg	1	0.23 U	0.2 U		0.22 U		
SW7471	MERCURY	mg/kg	0.18	0.014 U	0.011 U		0.014 U		
SW8081	4,4'-DDD	ug/kg	3.3	0.76 U	0.67 U		0.74 U		
SW8081	4,4'-DDE	ug/kg	3.3	0.76 U	0.67 U		0.74 U		
SW8081	4,4'-DDT	ug/kg	3.3	0.76 U	0.67 U		0.74 U		
SW8081	ALDRIN	ug/kg	5	0.76 U	0.67 U		0.74 U		
SW8081	ALPHA-BHC	ug/kg	20	0.76 U	0.67 U		0.74 U		
SW8081	ALPHA-CHLORDANE	ug/kg	94	0.76 U	0.67 U		0.74 U		
SW8081	BETA-BHC	ug/kg	36	0.76 U	0.67 U		0.74 U		
SW8081	DELTA-BHC	ug/kg	40	0.76 U	0.67 U		0.74 U		
SW8081	DIELDRIN	ug/kg	5	0.76 U	0.67 U		0.74 U		
SW8081	ENDOSULFAN I	ug/kg	2400	0.76 U	0.67 U		0.74 U		
SW8081	ENDOSULFAN II	ug/kg	2400	0.76 U	0.67 U		0.74 U		
SW8081	ENDOSULFAN SULFATE	ug/kg	2400	0.76 U	0.67 U		0.74 U		
SW8081	ENDRIN	ug/kg	14	0.76 U	0.67 U		0.74 U		
SW8081	GAMMA-BHC (LINDANE)	ug/kg	100	0.76 U	0.67 U		0.74 U		
SW8081	HEPTACHLOR	ug/kg	42	0.76 U	0.67 U		0.74 U		
SW8082	AROCLOR-1016	ug/kg	100	38 U	34 U		37 U		
SW8082	AROCLOR-1221	ug/kg	100	38 U	34 U		37 U		
SW8082	AROCLOR-1232	ug/kg	100	38 U	34 U		37 U		
SW8082	AROCLOR-1242	ug/kg	100	38 U	34 U		37 U		
SW8082	AROCLOR-1248	ug/kg	100	38 U	34 U		37 U		
SW8082	AROCLOR-1254	ug/kg	100	38 U	34 U		37 U		
SW8082	AROCLOR-1260	ug/kg	100	38 U	34 U		37 U		
SW8082	AROCLOR-1262	ug/kg	100	38 U	34 U		37 U		
SW8082	AROCLOR-1268	ug/kg	100	38 U	34 U		37 U		
SW8082	PCBS, N.O.S.	ug/kg	100	38 U	34 U		37 U		
SW8151	2,4,5-TP (SILVEX)	ug/kg	3800	3.9 U	3.1 U		3.4 U		
SW8260	1,1,1-TRICHLOROETHANE	ug/kg	680			5.1 U		5.9 U	5.6 U
SW8260	1,1-DICHLOROETHANE	ug/kg	270			5.1 U		5.9 U	5.6 U
SW8260	1,1-DICHLOROETHENE	ug/kg	330			5.1 U		5.9 U	5.9 U

		Location	GPIT-SB-004	GPIT-SB-005	GPIT-SB-005	GPIT-SB-005	GPIT-SB-005	GPIT-SB-006	GPIT-SB-006
		Field Sample ID	GPIT-1670-04	GPIT-1675-01	GPIT-1675-02	GPIT-1675-03	GPIT-1675-04	GPIT-1670-05	GPIT-1670-06
		Sample Date	5/22/2012	5/30/2012	5/30/2012	5/30/2012	5/30/2012	5/22/2012	5/22/2012
		Sample Delivery Group	JB7168	JB7723	JB7723	JB7723	JB7723	JB7168	JB7168
		Sample Depth	8-28 FT	0-8 FT	4-8 FT	8-24 FT	16-20 FT	4-8 FT	8-8.6 FT
		Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Sample Purpose	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample
		Sample Type	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring
Method	Parameter Name	Units	NYSDEC_Unrestricted Use SCOs						
SW8260	1,2,4-TRIMETHYLBENZENE	ug/kg	3600		5.1 U		5.9 U	5.6 U	5.9 U
SW8260	1,2-DICHLOROBENZENE	ug/kg	1100		5.1 U		5.9 U	5.6 U	5.9 U
SW8260	1,2-DICHLOROETHANE	ug/kg	20		1 U		1.2 U	1.1 U	1.2 U
SW8260	1,3,5-TRIMETHYLBENZENE	ug/kg	8400		5.1 U		5.9 U	5.6 U	5.9 U
SW8260	1,3-DICHLOROBENZENE	ug/kg	2400		5.1 U		5.9 U	5.6 U	5.9 U
SW8260	1,4-DICHLOROBENZENE	ug/kg	1800		5.1 U		5.9 U	5.6 U	5.9 U
SW8260	1,4-DIOXANE	ug/kg	100			130 U		150 U	140 UJ
SW8260	2-BUTANONE	ug/kg	120			10 U		12 U	11 U
SW8260	ACETONE	ug/kg	50			10 U		12 U	11 U
SW8260	BENZENE	ug/kg	60			1 U		1.2 U	1.1 U
SW8260	BUTYLBENZENE	ug/kg	12000			5.1 U		5.9 U	5.6 U
SW8260	CARBON TETRACHLORIDE	ug/kg	760			5.1 U		5.9 U	5.6 U
SW8260	CHLOROBENZENE	ug/kg	1100			5.1 U		5.9 U	5.6 U
SW8260	CHLOROFORM	ug/kg	370			5.1 U		5.9 U	5.6 U
SW8260	CIS-1,2-DICHLOROETHENE	ug/kg	250			5.1 U		5.9 U	5.6 U
SW8260	ETHYLBENZENE	ug/kg	1000			1 U		1.2 U	1.1 U
SW8260	METHYL TERT-BUTYL ETHER	ug/kg	930			1 U		1.2 U	1.1 U
SW8260	METHYLENE CHLORIDE	ug/kg	50			5.1 U		5.9 U	5.6 UJ
SW8260	N-PROPYLBENZENE	ug/kg	3900			5.1 U		5.9 U	5.6 U
SW8260	O-XYLENE	ug/kg	260			1 U		1.2 U	1.1 U
SW8260	SEC-BUTYLBENZENE	ug/kg	11000			5.1 U		5.9 U	5.6 U
SW8260	TERT-BUTYLBENZENE	ug/kg	5900			5.1 U		5.9 U	5.6 U
SW8260	TETRACHLOROETHENE	ug/kg	1300			5.1 U		5.9 U	5.6 U
SW8260	TOLUENE	ug/kg	700			1		1.2 U	1.1 U
SW8260	TRANS-1,2-DICHLOROETHENE	ug/kg	190			5.1 U		5.9 U	5.6 U
SW8260	TRICHLOROETHENE	ug/kg	470			5.1 U		5.9 U	5.6 U
SW8260	VINYL CHLORIDE	ug/kg	20			5.1 U		5.9 U	5.6 U
SW8260	XYLENES, M & P	ug/kg	260			1 U		1.2 U	1.1 U
SW8260	XYLENES, TOTAL	ug/kg	260			1 U		1.2 U	1.1 U
SW8270	2-METHYLPHENOL	ug/kg	330	69 U	59 U		65 U		
SW8270	3&4-METHYLPHENOL	ug/kg	null	69 U	59 U		65 U		
SW8270	ACENAPHTHENE	ug/kg	20000	34 U	29 U		33 U		
SW8270	ACENAPHTHYLENE	ug/kg	100000	34 U	29 U		33 U		
SW8270	ANTHRACENE	ug/kg	100000	34 U	29 U		33 U		
SW8270	BENZO(A)ANTHRACENE	ug/kg	1000	34 U	29 U		33 U		
SW8270	BENZO(A)PYRENE	ug/kg	1000	34 U	29 U		33 U		
SW8270	BENZO(B)FLUORANTHENE	ug/kg	1000	34 U	29 U		33 U		
SW8270	BENZO(G,H,I)PERYLENE	ug/kg	100000	34 U	29 U		33 U		
SW8270	BENZO(K)FLUORANTHENE	ug/kg	800	34 U	29 U		33 U		
SW8270	CHRYSENE	ug/kg	1000	34 U	29 U		33 U		
SW8270	DIBENZO(A,H)ANTHRACENE	ug/kg	330	34 U	29 U		33 U		
SW8270	DIBENZOFURAN	ug/kg	7000	69 U	59 U		65 U		
SW8270	FLUORANTHENE	ug/kg	100000	34 U	29 U		33 U		
SW8270	FLUORENE	ug/kg	30000	34 U	29 U		33 U		
SW8270	HEXACHLOROBENZENE	ug/kg	330	69 U	59 U		65 U		
SW8270	INDENO(1,2,3-CD)PYRENE	ug/kg	500	34 U	29 U		33 U		

		Location	GPIT-SB-004	GPIT-SB-005	GPIT-SB-005	GPIT-SB-005	GPIT-SB-005	GPIT-SB-006	GPIT-SB-006
	Field Sample ID	GPIT-1670-04	GPIT-1675-01	GPIT-1675-02	GPIT-1675-03	GPIT-1675-04	GPIT-1670-05	GPIT-1670-06	
	Sample Date	5/22/2012	5/30/2012	5/30/2012	5/30/2012	5/30/2012	5/22/2012	5/22/2012	
	Sample Delivery Group	JB7168	JB7723	JB7723	JB7723	JB7723	JB7168	JB7168	
	Sample Depth	8-28 FT	0-8 FT	4-8 FT	8-24 FT	16-20 FT	4-8 FT	8-8.6 FT	
	Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	
	Sample Purpose	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	
	Sample Type	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	
Method	Parameter Name	Units	NYSDEC_Unrestricted Use SCOs						
SW8270	NAPHTHALENE	ug/kg	12000	34 U	29 U		33 U		
SW8270	PENTACHLOROPHENOL	ug/kg	800	340 U	290 U		330 U		
SW8270	PHENANTHRENE	ug/kg	100000	34 U	29 U		33 U		
SW8270	PHENOL	ug/kg	330	69 U	59 U		65 U		
SW8270	PYRENE	ug/kg	100000	34 U	29 U		33 U		
SW9012	CYANIDE	mg/kg	27	0.13 U	0.11 U		0.12 U		
SW9045	pH	S.U.	NA	8.71	9.02		8.77		

		Location	GPIT-SB-006	GPIT-SB-007	GPIT-SB-007	GPIT-SB-007	GPIT-SB-007	GPIT-SB-008	GPIT-SB-008
		Field Sample ID	GPIT-1670-07	GPIT-1678-05	GPIT-1678-06	GPIT-1678-07	GPIT-1678-08	GPIT-1675-05	GPIT-1675-06
		Sample Date	5/22/2012	6/1/2012	6/1/2012	6/1/2012	6/1/2012	5/30/2012	5/30/2012
		Sample Delivery Group	JB7168	JB7945	JB7945	JB7945	JB7945	JB7723	JB7723
		Sample Depth	0-6.2 FT	0-4 FT	0-4 FT	4-20 FT	8-12 FT	0-4 FT	0-4 FT
		Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Sample Purpose	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample
		Sample Type	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring
Method	Parameter Name	Units	NYSDEC_Unrestricted Use SCOs						
ASTM D1498	OXIDATION-REDUCTION POTENTIAL	mv	NA	290	313		279		303
SM2540G	SOLIDS, PERCENT	%	NA	88.2	83.9	86.8	81	80.4	95.2
SW6010	ARSENIC	mg/kg	13	2 J	4.6		1.9 J		3.1
SW6010	BARIUM	mg/kg	350	32.6	116		51.4		59.7
SW6010	BERYLLIUM	mg/kg	7.2	0.2 J	0.68		0.26		0.2
SW6010	CADMIUM	mg/kg	2.5	0.058 J	0.085 J		0.03 U		0.092 J
SW6010	CHROMIUM	mg/kg	30	6.4 J	15.6 J		6.6 J		8.2
SW6010	CHROMIUM III	mg/kg	30	6 J	15.2 J		6.6 J		8.2
SW6010	COPPER	mg/kg	50	14.8	34.5		4.7		21.4
SW6010	LEAD	mg/kg	63	2.9	9.2		1.7 J		4.3
SW6010	MANGANESE	mg/kg	1600	437 J	1030		311		585 J
SW6010	NICKEL	mg/kg	30	7.1	15.9		7.4		10.5
SW6010	SELENIUM	mg/kg	3.9	0.4 J	0.29 U		0.29 U		0.24 U
SW6010	SILVER	mg/kg	2	0.072 U	0.73		0.17 J		0.88
SW6010	ZINC	mg/kg	109	18.4	42.8 J		16.3 J		24.6 J
SW7196	HEXAVALENT CHROMIUM	mg/Kg	1	0.45	0.38 J		0.24 U		0.21 U
SW7471	MERCURY	mg/kg	0.18	0.013 U	0.022 J		0.014 U		0.013 U
SW8081	4,4'-DDD	ug/kg	3.3	0.71 U	0.78 U		0.82 U		0.7 U
SW8081	4,4'-DDE	ug/kg	3.3	0.71 U	0.78 U		0.82 U		0.7 U
SW8081	4,4'-DDT	ug/kg	3.3	0.71 U	0.78 U		0.82 U		0.7 U
SW8081	ALDRIN	ug/kg	5	0.71 U	0.78 U		0.82 U		0.7 U
SW8081	ALPHA-BHC	ug/kg	20	0.71 U	0.78 U		0.82 U		0.7 U
SW8081	ALPHA-CHLORDANE	ug/kg	94	0.71 U	0.78 U		0.82 U		0.7 U
SW8081	BETA-BHC	ug/kg	36	0.71 U	0.78 U		0.82 U		0.7 U
SW8081	DELTA-BHC	ug/kg	40	0.71 U	0.78 U		0.82 U		0.7 U
SW8081	DIELDRIN	ug/kg	5	0.71 U	0.78 U		0.82 U		0.7 U
SW8081	ENDOSULFAN I	ug/kg	2400	0.71 U	0.78 U		0.82 U		0.7 U
SW8081	ENDOSULFAN II	ug/kg	2400	0.71 U	0.78 U		0.82 U		0.7 U
SW8081	ENDOSULFAN SULFATE	ug/kg	2400	0.71 U	0.78 U		0.82 U		0.7 U
SW8081	ENDRIN	ug/kg	14	0.71 U	0.78 U		0.82 U		0.7 U
SW8081	GAMMA-BHC (LINDANE)	ug/kg	100	0.71 U	0.78 U		0.82 U		0.7 U
SW8081	HEPTACHLOR	ug/kg	42	2.5 J	0.78 U		0.82 U		0.7 U
SW8082	AROCLOR-1016	ug/kg	100	36 U	39 U		41 U		35 U
SW8082	AROCLOR-1221	ug/kg	100	36 U	39 U		41 U		35 U
SW8082	AROCLOR-1232	ug/kg	100	36 U	39 U		41 U		35 U
SW8082	AROCLOR-1242	ug/kg	100	36 U	39 U		41 U		35 U
SW8082	AROCLOR-1248	ug/kg	100	36 U	39 U		41 U		35 U
SW8082	AROCLOR-1254	ug/kg	100	36 U	39 U		41 U		35 U
SW8082	AROCLOR-1260	ug/kg	100	36 U	39 U		41 U		35 U
SW8082	AROCLOR-1262	ug/kg	100	36 U	39 U		41 U		35 U
SW8082	AROCLOR-1268	ug/kg	100	36 U	39 U		41 U		35 U
SW8082	PCBS, N.O.S.	ug/kg	100	36 U	39 U		41 U		35 U
SW8151	2,4,5-TP (SILVEX)	ug/kg	3800	3.4 U	3.7 U		3.7 U		3 U
SW8260	1,1,1-TRICHLOROETHANE	ug/kg	680			5.5 U		5.8 U	5.5 U
SW8260	1,1-DICHLOROETHANE	ug/kg	270			5.5 U		5.8 U	5.5 U
SW8260	1,1-DICHLOROETHENE	ug/kg	330			5.5 U		5.8 U	5.5 U

		Location	GPIT-SB-006	GPIT-SB-007	GPIT-SB-007	GPIT-SB-007	GPIT-SB-007	GPIT-SB-008	GPIT-SB-008
		Field Sample ID	GPIT-1670-07	GPIT-1678-05	GPIT-1678-06	GPIT-1678-07	GPIT-1678-08	GPIT-1675-05	GPIT-1675-06
		Sample Date	5/22/2012	6/1/2012	6/1/2012	6/1/2012	6/1/2012	5/30/2012	5/30/2012
		Sample Delivery Group	JB7168	JB7945	JB7945	JB7945	JB7945	JB7723	JB7723
		Sample Depth	0-6.2 FT	0-4 FT	0-4 FT	4-20 FT	8-12 FT	0-4 FT	0-4 FT
		Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Sample Purpose	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample
		Sample Type	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring
Method	Parameter Name	Units	NYSDEC_Unrestricted Use SCOs						
SW8260	1,2,4-TRIMETHYLBENZENE	ug/kg	3600		5.5 U		5.8 U	5.5 U	
SW8260	1,2-DICHLOROBENZENE	ug/kg	1100		5.5 U		5.8 U	5.5 U	
SW8260	1,2-DICHLOROETHANE	ug/kg	20		1.1 U		1.2 U	1.1 U	
SW8260	1,3,5-TRIMETHYLBENZENE	ug/kg	8400		5.5 U		5.8 U	5.5 U	
SW8260	1,3-DICHLOROBENZENE	ug/kg	2400		5.5 U		5.8 U	5.5 U	
SW8260	1,4-DICHLOROBENZENE	ug/kg	1800		5.5 U		5.8 U	5.5 U	
SW8260	1,4-DIOXANE	ug/kg	100			140 U		140 U	
SW8260	2-BUTANONE	ug/kg	120			11 U		12 U	11 U
SW8260	ACETONE	ug/kg	50			11 UJ		12 UJ	11 U
SW8260	BENZENE	ug/kg	60			1.1 U		1.2 U	1.1 U
SW8260	BUTYLBENZENE	ug/kg	12000			5.5 U		5.8 U	5.5 U
SW8260	CARBON TETRACHLORIDE	ug/kg	760			5.5 U		5.8 U	5.5 U
SW8260	CHLOROBENZENE	ug/kg	1100			5.5 U		5.8 U	5.5 U
SW8260	CHLOROFORM	ug/kg	370			5.5 U		5.8 U	5.5 U
SW8260	CIS-1,2-DICHLOROETHENE	ug/kg	250			5.5 U		5.8 U	5.5 U
SW8260	ETHYLBENZENE	ug/kg	1000			1.1 U		1.2 U	1.1 U
SW8260	METHYL TERT-BUTYL ETHER	ug/kg	930			1.1 U		1.2 U	1.1 U
SW8260	METHYLENE CHLORIDE	ug/kg	50			5.5 U		5.8 U	5.5 U
SW8260	N-PROPYLBENZENE	ug/kg	3900			5.5 U		5.8 U	5.5 U
SW8260	O-XYLENE	ug/kg	260			0.25 J		1.2 U	1.1 U
SW8260	SEC-BUTYLBENZENE	ug/kg	11000			5.5 U		5.8 U	5.5 U
SW8260	TERT-BUTYLBENZENE	ug/kg	5900			5.5 U		5.8 U	5.5 U
SW8260	TETRACHLOROETHENE	ug/kg	1300			5.5 U		5.8 U	5.5 U
SW8260	TOLUENE	ug/kg	700			1.8		1.2 U	0.91 J
SW8260	TRANS-1,2-DICHLOROETHENE	ug/kg	190			5.5 U		5.8 U	5.5 U
SW8260	TRICHLOROETHENE	ug/kg	470			5.5 U		5.8 U	5.5 U
SW8260	VINYL CHLORIDE	ug/kg	20			5.5 U		5.8 U	5.5 U
SW8260	XYLENES, M & P	ug/kg	260			0.76 J		1.2 U	1.1 U
SW8260	XYLENES, TOTAL	ug/kg	260			1 J		1.2 U	1.1 U
SW8270	2-METHYLPHENOL	ug/kg	330	64 U	67 U		71 U		59 U
SW8270	3&4-METHYLPHENOL	ug/kg	null	64 U	67 U		71 U		59 U
SW8270	ACENAPHTHENE	ug/kg	20000	32 U	33 U		35 U		30 U
SW8270	ACENAPHTHYLENE	ug/kg	100000	32 U	33 U		35 U		30 U
SW8270	ANTHRACENE	ug/kg	100000	32 U	33 U		35 U		30 U
SW8270	BENZO(A)ANTHRACENE	ug/kg	1000	32 U	33 U		35 U		30 U
SW8270	BENZO(A)PYRENE	ug/kg	1000	32 U	33 U		35 U		30 U
SW8270	BENZO(B)FLUORANTHENE	ug/kg	1000	32 U	33 U		35 U		30 U
SW8270	BENZO(G,H,I)PERYLENE	ug/kg	100000	32 U	33 U		35 U		30 U
SW8270	BENZO(K)FLUORANTHENE	ug/kg	800	32 U	33 U		35 U		30 U
SW8270	CHRYSENE	ug/kg	1000	32 U	33 U		35 U		30 U
SW8270	DIBENZO(A,H)ANTHRACENE	ug/kg	330	32 U	33 U		35 U		30 U
SW8270	DIBENZOFURAN	ug/kg	7000	64 U	67 U		71 U		59 U
SW8270	FLUORANTHENE	ug/kg	100000	32 U	33 U		35 U		30 U
SW8270	FLUORENE	ug/kg	30000	32 U	33 U		35 U		30 U
SW8270	HEXACHLOROBENZENE	ug/kg	330	64 U	67 U		71 U		59 U
SW8270	INDENO(1,2,3-CD)PYRENE	ug/kg	500	32 U	33 U		35 U		30 U

		Location	GPIT-SB-006	GPIT-SB-007	GPIT-SB-007	GPIT-SB-007	GPIT-SB-007	GPIT-SB-008	GPIT-SB-008
	Field Sample ID	GPIT-1670-07	GPIT-1678-05	GPIT-1678-06	GPIT-1678-07	GPIT-1678-08	GPIT-1675-05	GPIT-1675-06	
	Sample Date	5/22/2012	6/1/2012	6/1/2012	6/1/2012	6/1/2012	5/30/2012	5/30/2012	
	Sample Delivery Group	JB7168	JB7945	JB7945	JB7945	JB7945	JB7723	JB7723	
	Sample Depth	0-6.2 FT	0-4 FT	0-4 FT	4-20 FT	8-12 FT	0-4 FT	0-4 FT	
	Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	
	Sample Purpose	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	
	Sample Type	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	
Method	Parameter Name	Units	NYSDEC_Unrestricted Use SCOs						
SW8270	NAPHTHALENE	ug/kg	12000	32 U	33 U	35 U			30 U
SW8270	PENTACHLOROPHENOL	ug/kg	800	320 U	330 U	350 U			300 U
SW8270	PHENANTHRENE	ug/kg	100000	32 U	33 U	35 U			30 U
SW8270	PHENOL	ug/kg	330	64 U	67 U	71 U			59 U
SW8270	PYRENE	ug/kg	100000	32 U	33 U	35 U			30 U
SW9012	CYANIDE	mg/kg	27	0.12 U	0.13 U	0.13 U			0.16 J
SW9045	pH	S.U.	NA	8.84	7.53	9.2			8.7

		Location	GPIT-SB-008	GPIT-SB-008	GPIT-SB-008	GPIT-SB-009	GPIT-SB-009	GPIT-SB-009	GPIT-SB-009
		Field Sample ID	GPIT-1675-07	GPIT-1675-08	GPIT-1675-21	GPIT-1675-09	GPIT-1675-10	GPIT-1675-11	GPIT-1675-12
		Sample Date	5/30/2012	5/30/2012	5/30/2012	5/30/2012	5/30/2012	5/30/2012	5/30/2012
		Sample Delivery Group	JB7723	JB7723	JB7723	JB7723	JB7723	JB7723	JB7723
		Sample Depth	4-20 FT	12-16 FT	4-20 FT	0-8 FT	4-8 FT	8-20 FT	12-16 FT
		Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Sample Purpose	Regular sample	Regular sample	Field duplicate	Regular sample	Regular sample	Regular sample	Regular sample
		Sample Type	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring
Method	Parameter Name	Units	NYSDEC_Unrestricted Use SCOs						
ASTM D1498	OXIDATION-REDUCTION POTENTIAL	mv	NA	298		324	300		263
SM2540G	SOLIDS, PERCENT	%	NA	86.1	84.8	88.2	90.5	95	86.4
SW6010	ARSENIC	mg/kg	13	1.7 J		1.3 J	1.8 J		1.5 J
SW6010	BARIUM	mg/kg	350	35.6		21.2 J	41		33.4
SW6010	BERYLLIUM	mg/kg	7.2	0.26		0.16 J	0.31		0.22
SW6010	CADMIUM	mg/kg	2.5	0.07 J		0.046 J	0.086 J		0.042 J
SW6010	CHROMIUM	mg/kg	30	6.4		3.9	8.5		5.8
SW6010	CHROMIUM III	mg/kg	30	6.4		3.9	8.5		5.8
SW6010	COPPER	mg/kg	50	12.3		5.3	16		10.2
SW6010	LEAD	mg/kg	63	2 J		1.7 J	2.5		2.2
SW6010	MANGANESE	mg/kg	1600	362 J		258 J	595 J		320 J
SW6010	NICKEL	mg/kg	30	8.5		4.2 J	9.9		6.1
SW6010	SELENIUM	mg/kg	3.9	0.28 U		0.28 U	0.26 U		0.25 U
SW6010	SILVER	mg/kg	2	0.081 J		0.072 U	0.067 U		0.066 U
SW6010	ZINC	mg/kg	109	20.2 J		10.7 J	23.2 J		15.3 J
SW7196	HEXAVALENT CHROMIUM	mg/Kg	1	0.23 U		0.22 U	0.22 U		0.23 U
SW7471	MERCURY	mg/kg	0.18	0.013 U		0.014 U	0.013 U		0.013 U
SW8081	4,4'-DDD	ug/kg	3.3	0.77 U		0.75 U	0.72 U		0.74 U
SW8081	4,4'-DDE	ug/kg	3.3	0.77 U		0.75 U	0.72 U		0.74 U
SW8081	4,4'-DDT	ug/kg	3.3	0.77 U		0.75 U	0.72 U		0.74 U
SW8081	ALDRIN	ug/kg	5	0.77 U		0.75 U	0.72 U		0.74 U
SW8081	ALPHA-BHC	ug/kg	20	0.77 U		0.75 U	0.72 U		0.74 U
SW8081	ALPHA-CHLORDANE	ug/kg	94	0.77 U		0.75 U	0.72 U		0.74 U
SW8081	BETA-BHC	ug/kg	36	0.77 U		0.75 U	0.72 U		0.74 U
SW8081	DELTA-BHC	ug/kg	40	0.77 U		0.75 U	0.72 U		0.74 U
SW8081	DIELDRIN	ug/kg	5	0.77 U		0.75 U	0.72 U		0.74 U
SW8081	ENDOSULFAN I	ug/kg	2400	0.77 U		0.75 U	0.72 U		0.74 U
SW8081	ENDOSULFAN II	ug/kg	2400	0.77 U		0.75 U	0.72 U		0.74 U
SW8081	ENDOSULFAN SULFATE	ug/kg	2400	0.77 U		0.75 U	0.72 U		0.74 U
SW8081	ENDRIN	ug/kg	14	0.77 U		0.75 U	0.72 U		0.74 U
SW8081	GAMMA-BHC (LINDANE)	ug/kg	100	0.77 U		0.75 U	0.72 U		0.74 U
SW8081	HEPTACHLOR	ug/kg	42	0.77 U		0.75 U	0.72 U		0.74 U
SW8082	AROCLOR-1016	ug/kg	100	39 U		37 U	36 U		37 U
SW8082	AROCLOR-1221	ug/kg	100	39 U		37 U	36 U		37 U
SW8082	AROCLOR-1232	ug/kg	100	39 U		37 U	36 U		37 U
SW8082	AROCLOR-1242	ug/kg	100	39 U		37 U	36 U		37 U
SW8082	AROCLOR-1248	ug/kg	100	39 U		37 U	36 U		37 U
SW8082	AROCLOR-1254	ug/kg	100	39 U		37 U	36 U		37 U
SW8082	AROCLOR-1260	ug/kg	100	39 U		37 U	36 U		37 U
SW8082	AROCLOR-1262	ug/kg	100	39 U		37 U	36 U		37 U
SW8082	AROCLOR-1268	ug/kg	100	39 U		37 U	36 U		37 U
SW8082	PCBS, N.O.S.	ug/kg	100	39 U		37 U	36 U		37 U
SW8151	2,4,5-TP (SILVEX)	ug/kg	3800	3.5 U		3.5 U	3.2 U		3.5 U
SW8260	1,1,1-TRICHLOROETHANE	ug/kg	680		6.1 U	5.7 U		5.4 U	
SW8260	1,1-DICHLOROETHANE	ug/kg	270		6.1 U	5.7 U		5.4 U	
SW8260	1,1-DICHLOROETHENE	ug/kg	330		6.1 U	5.7 U		5.4 U	

		Location	GPIT-SB-008	GPIT-SB-008	GPIT-SB-008	GPIT-SB-009	GPIT-SB-009	GPIT-SB-009	GPIT-SB-009
		Field Sample ID	GPIT-1675-07	GPIT-1675-08	GPIT-1675-21	GPIT-1675-09	GPIT-1675-10	GPIT-1675-11	GPIT-1675-12
		Sample Date	5/30/2012	5/30/2012	5/30/2012	5/30/2012	5/30/2012	5/30/2012	5/30/2012
		Sample Delivery Group	JB7723	JB7723	JB7723	JB7723	JB7723	JB7723	JB7723
		Sample Depth	4-20 FT	12-16 FT	4-20 FT	0-8 FT	4-8 FT	8-20 FT	12-16 FT
		Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Sample Purpose	Regular sample	Regular sample	Field duplicate	Regular sample	Regular sample	Regular sample	Regular sample
		Sample Type	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring
Method	Parameter Name	Units	NYSDEC_Unrestricted Use SCOs						
SW8260	1,2,4-TRIMETHYLBENZENE	ug/kg	3600		6.1 U	5.7 U		5.4 U	6.1 U
SW8260	1,2-DICHLOROBENZENE	ug/kg	1100		6.1 U	5.7 U		5.4 U	6.1 U
SW8260	1,2-DICHLOROETHANE	ug/kg	20		1.2 U	1.1 U		1.1 U	1.2 U
SW8260	1,3,5-TRIMETHYLBENZENE	ug/kg	8400		6.1 U	5.7 U		5.4 U	6.1 U
SW8260	1,3-DICHLOROBENZENE	ug/kg	2400		6.1 U	5.7 U		5.4 U	6.1 U
SW8260	1,4-DICHLOROBENZENE	ug/kg	1800		6.1 U	5.7 U		5.4 U	6.1 U
SW8260	1,4-DIOXANE	ug/kg	100		150 U	140 U		130 U	150 U
SW8260	2-BUTANONE	ug/kg	120		12 U	11 U		11 U	12 U
SW8260	ACETONE	ug/kg	50		12 U	11 U		11 U	12 U
SW8260	BENZENE	ug/kg	60		1.2 U	1.1 U		1.1 U	1.2 U
SW8260	BUTYLBENZENE	ug/kg	12000		6.1 U	5.7 U		5.4 U	6.1 U
SW8260	CARBON TETRACHLORIDE	ug/kg	760		6.1 U	5.7 U		5.4 U	6.1 U
SW8260	CHLOROBENZENE	ug/kg	1100		0.26 J	5.7 U		5.4 U	0.43 J
SW8260	CHLOROFORM	ug/kg	370		6.1 U	5.7 U		5.4 U	6.1 U
SW8260	CIS-1,2-DICHLOROETHENE	ug/kg	250		6.1 U	5.7 U		5.4 U	6.1 U
SW8260	ETHYLBENZENE	ug/kg	1000		1.2 U	1.1 U		1.1 U	0.44 J
SW8260	METHYL TERT-BUTYL ETHER	ug/kg	930		1.2 U	1.1 U		1.1 U	1.2 U
SW8260	METHYLENE CHLORIDE	ug/kg	50		6.1 U	5.7 U		5.4 U	6.1 U
SW8260	N-PROPYLBENZENE	ug/kg	3900		6.1 U	5.7 U		5.4 U	6.1 U
SW8260	O-XYLENE	ug/kg	260		0.33 J	1.1 U		1.1 U	0.48 J
SW8260	SEC-BUTYLBENZENE	ug/kg	11000		6.1 U	5.7 U		5.4 U	6.1 U
SW8260	TERT-BUTYLBENZENE	ug/kg	5900		6.1 U	5.7 U		5.4 U	6.1 U
SW8260	TETRACHLOROETHENE	ug/kg	1300		6.1 U	5.7 U		5.4 U	6.1 U
SW8260	TOLUENE	ug/kg	700		2.1	0.86 J		0.69 J	3.3
SW8260	TRANS-1,2-DICHLOROETHENE	ug/kg	190		6.1 U	5.7 U		5.4 U	6.1 U
SW8260	TRICHLOROETHENE	ug/kg	470		6.1 U	5.7 U		5.4 U	6.1 U
SW8260	VINYL CHLORIDE	ug/kg	20		6.1 U	5.7 U		5.4 U	6.1 U
SW8260	XYLENES, M & P	ug/kg	260		1 J	1.1 U		1.1 U	1.5
SW8260	XYLENES, TOTAL	ug/kg	260		1.3	1.1 U		1.1 U	1.9
SW8270	2-METHYLPHENOL	ug/kg	330	66 U		65 U	63 U		66 U
SW8270	3&4-METHYLPHENOL	ug/kg	null	66 U		65 U	63 U		66 U
SW8270	ACENAPHTHENE	ug/kg	20000	33 U		32 U	31 U		33 U
SW8270	ACENAPHTHYLENE	ug/kg	100000	33 U		32 U	31 U		33 U
SW8270	ANTHRACENE	ug/kg	100000	33 U		32 U	31 U		33 U
SW8270	BENZO(A)ANTHRACENE	ug/kg	1000	33 U		32 U	31 U		33 U
SW8270	BENZO(A)PYRENE	ug/kg	1000	33 U		32 U	31 U		33 U
SW8270	BENZO(B)FLUORANTHENE	ug/kg	1000	33 U		32 U	31 U		33 U
SW8270	BENZO(G,H,I)PERYLENE	ug/kg	100000	33 U		32 U	31 U		33 U
SW8270	BENZO(K)FLUORANTHENE	ug/kg	800	33 U		32 U	31 U		33 U
SW8270	CHRYSENE	ug/kg	1000	33 U		32 U	31 U		33 U
SW8270	DIBENZO(A,H)ANTHRACENE	ug/kg	330	33 U		32 U	31 U		33 U
SW8270	DIBENZOFURAN	ug/kg	7000	66 U		65 U	63 U		66 U
SW8270	FLUORANTHENE	ug/kg	100000	33 U		32 U	31 U		33 U
SW8270	FLUORENE	ug/kg	30000	33 U		32 U	31 U		33 U
SW8270	HEXACHLOROBENZENE	ug/kg	330	66 U		65 U	63 U		66 U
SW8270	INDENO(1,2,3-CD)PYRENE	ug/kg	500	33 U		32 U	31 U		33 U

		Location	GPIT-SB-008	GPIT-SB-008	GPIT-SB-008	GPIT-SB-009	GPIT-SB-009	GPIT-SB-009	GPIT-SB-009
	Field Sample ID	GPIT-1675-07	GPIT-1675-08	GPIT-1675-21	GPIT-1675-09	GPIT-1675-10	GPIT-1675-11	GPIT-1675-12	
	Sample Date	5/30/2012	5/30/2012	5/30/2012	5/30/2012	5/30/2012	5/30/2012	5/30/2012	
	Sample Delivery Group	JB7723	JB7723	JB7723	JB7723	JB7723	JB7723	JB7723	
	Sample Depth	4-20 FT	12-16 FT	4-20 FT	0-8 FT	4-8 FT	8-20 FT	12-16 FT	
	Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	
	Sample Purpose	Regular sample	Regular sample	Field duplicate	Regular sample	Regular sample	Regular sample	Regular sample	
	Sample Type	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	
Method	Parameter Name	Units	NYSDEC_Unrestricted Use SCOs						
SW8270	NAPHTHALENE	ug/kg	12000	33 U	32 U	31 U	33 U		
SW8270	PENTACHLOROPHENOL	ug/kg	800	330 U	320 U	310 U	330 U		
SW8270	PHENANTHRENE	ug/kg	100000	33 U	32 U	31 U	33 U		
SW8270	PHENOL	ug/kg	330	66 U	65 U	63 U	66 U		
SW8270	PYRENE	ug/kg	100000	33 U	32 U	31 U	33 U		
SW9012	CYANIDE	mg/kg	27	0.12 U	0.12 U	0.12 U	0.12 U		
SW9045	pH	S.U.	NA	8.85	8.91	8.56	8.83		

		Location	GPIT-SB-010	GPIT-SB-010	GPIT-SB-010	GPIT-SB-010	GPIT-SB-012	GPIT-SB-012	GPIT-SB-012
		Field Sample ID	GPIT-1672-07	GPIT-1672-08	GPIT-1672-09	GPIT-1673-01	GPIT-1674-009	GPIT-1674-010	GPIT-1674-011
		Sample Date	5/24/2012	5/24/2012	5/24/2012	5/25/2012	5/29/2012	5/29/2012	5/29/2012
		Sample Delivery Group	JB7414	JB7414	JB7414	JB7549	JB7630	JB7630	JB7630
		Sample Depth	4-5 FT	0-5 FT	20-24 FT	5-28 FT	4-5 FT	0-8 FT	8-24 FT
		Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Sample Purpose	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample
		Sample Type	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring
Method	Parameter Name	Units	NYSDEC_Unrestricted Use SCOs						
ASTM D1498	OXIDATION-REDUCTION POTENTIAL	mv	NA		291		263		299
SM2540G	SOLIDS, PERCENT	%	NA	96.9	95	82.9	76.2	96.1	94.4
SW6010	ARSENIC	mg/kg	13		2.2		1.6 J		2.7 J
SW6010	BARIUM	mg/kg	350		51.9		23.2 J		53.2 J
SW6010	BERYLLIUM	mg/kg	7.2		0.21 J		0.15 J		0.28 J
SW6010	CADMIUM	mg/kg	2.5		0.028 U		0.031 U		0.061 J
SW6010	CHROMIUM	mg/kg	30		14.5		4.2 J		12.5
SW6010	CHROMIUM III	mg/kg	30		13.6 J		4.2 J		12.5
SW6010	COPPER	mg/kg	50		15.3		5.5		19.7
SW6010	LEAD	mg/kg	63		3.8		1.7 J		3
SW6010	MANGANESE	mg/kg	1600		664		285 J		667
SW6010	NICKEL	mg/kg	30		10.7		5.9		12.3
SW6010	SELENIUM	mg/kg	3.9		0.26 U		0.3 U		0.24 U
SW6010	SILVER	mg/kg	2		0.39 J		0.19 J		0.31 J
SW6010	ZINC	mg/kg	109		21.2		13.1 J		26.7
SW7196	HEXAVALENT CHROMIUM	mg/Kg	1		0.88 J		0.26 U		0.21 U
SW7471	MERCURY	mg/kg	0.18		0.013 U		0.016 U		0.013 U
SW8081	4,4'-DDD	ug/kg	3.3		0.69 U		0.78 U		0.67 U
SW8081	4,4'-DDE	ug/kg	3.3		0.69 U		0.78 U		0.67 U
SW8081	4,4'-DDT	ug/kg	3.3		0.69 U		0.78 U		0.67 U
SW8081	ALDRIN	ug/kg	5		0.69 U		0.78 U		0.67 U
SW8081	ALPHA-BHC	ug/kg	20		0.69 U		0.78 U		0.67 U
SW8081	ALPHA-CHLORDANE	ug/kg	94		0.69 U		0.78 U		0.67 U
SW8081	BETA-BHC	ug/kg	36		0.69 U		0.78 U		0.67 U
SW8081	DELTA-BHC	ug/kg	40		0.69 U		0.78 U		0.67 U
SW8081	DIELDRIN	ug/kg	5		0.69 U		0.78 U		0.67 U
SW8081	ENDOSULFAN I	ug/kg	2400		0.69 U		0.78 U		0.67 U
SW8081	ENDOSULFAN II	ug/kg	2400		0.69 U		0.78 U		0.67 U
SW8081	ENDOSULFAN SULFATE	ug/kg	2400		0.69 U		0.78 U		0.67 U
SW8081	ENDRIN	ug/kg	14		0.69 U		0.78 U		0.67 U
SW8081	GAMMA-BHC (LINDANE)	ug/kg	100		0.69 U		0.78 U		0.67 U
SW8081	HEPTACHLOR	ug/kg	42		0.69 U		0.78 U		0.67 U
SW8082	AROCLOR-1016	ug/kg	100		35 U		43 U		34 U
SW8082	AROCLOR-1221	ug/kg	100		35 U		43 U		34 U
SW8082	AROCLOR-1232	ug/kg	100		35 U		43 U		34 U
SW8082	AROCLOR-1242	ug/kg	100		35 U		43 U		34 U
SW8082	AROCLOR-1248	ug/kg	100		35 U		43 U		34 U
SW8082	AROCLOR-1254	ug/kg	100		35 U		43 U		34 U
SW8082	AROCLOR-1260	ug/kg	100		35 U		43 U		34 U
SW8082	AROCLOR-1262	ug/kg	100		35 U		43 U		34 U
SW8082	AROCLOR-1268	ug/kg	100		35 U		43 U		34 U
SW8082	PCBS, N.O.S.	ug/kg	100		35 U		43 U		34 U
SW8151	2,4,5-TP (SILVEX)	ug/kg	3800		3 U		3.7 U		3 U
SW8260	1,1,1-TRICHLOROETHANE	ug/kg	680		5.4 U		6.3 U		5.8 UJ
SW8260	1,1-DICHLOROETHANE	ug/kg	270		5.4 U		6.3 U		5.8 U
SW8260	1,1-DICHLOROETHENE	ug/kg	330		5.4 U		6.3 U		5.8 U

		Location	GPIT-SB-010	GPIT-SB-010	GPIT-SB-010	GPIT-SB-010	GPIT-SB-012	GPIT-SB-012	GPIT-SB-012
		Field Sample ID	GPIT-1672-07	GPIT-1672-08	GPIT-1672-09	GPIT-1673-01	GPIT-1674-009	GPIT-1674-010	GPIT-1674-011
		Sample Date	5/24/2012	5/24/2012	5/24/2012	5/25/2012	5/29/2012	5/29/2012	5/29/2012
		Sample Delivery Group	JB7414	JB7414	JB7414	JB7549	JB7630	JB7630	JB7630
		Sample Depth	4-5 FT	0-5 FT	20-24 FT	5-28 FT	4-5 FT	0-8 FT	8-24 FT
		Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Sample Purpose	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample
		Sample Type	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring
Method	Parameter Name	Units	NYSDEC_Unrestricted Use SCOs						
SW8260	1,2,4-TRIMETHYLBENZENE	ug/kg	3600	1.3 J		6.3 U		5.8 U	
SW8260	1,2-DICHLOROBENZENE	ug/kg	1100	5.4 U		6.3 U		5.8 U	
SW8260	1,2-DICHLOROETHANE	ug/kg	20	1.1 U		1.3 U		1.2 U	
SW8260	1,3,5-TRIMETHYLBENZENE	ug/kg	8400	5.4 U		6.3 U		5.8 U	
SW8260	1,3-DICHLOROBENZENE	ug/kg	2400	5.4 U		6.3 U		5.8 U	
SW8260	1,4-DICHLOROBENZENE	ug/kg	1800	5.4 U		6.3 U		5.8 U	
SW8260	1,4-DIOXANE	ug/kg	100	130 UJ		160 UJ		140 U	
SW8260	2-BUTANONE	ug/kg	120	11 U		11.5 J		12 U	
SW8260	ACETONE	ug/kg	50	11 U		35.1		12 UJ	
SW8260	BENZENE	ug/kg	60	1.1 U		1.3 U		1.2 U	
SW8260	BUTYLBENZENE	ug/kg	12000	5.4 U		6.3 U		5.8 U	
SW8260	CARBON TETRACHLORIDE	ug/kg	760	5.4 U		6.3 U		5.8 UJ	
SW8260	CHLOROBENZENE	ug/kg	1100	3.1 J		6.3 U		5.8 U	
SW8260	CHLOROFORM	ug/kg	370	5.4 U		6.3 U		5.8 U	
SW8260	CIS-1,2-DICHLOROETHENE	ug/kg	250	5.4 U		6.3 U		5.8 U	
SW8260	ETHYLBENZENE	ug/kg	1000	0.99 J		1.3 U		1.2 U	
SW8260	METHYL TERT-BUTYL ETHER	ug/kg	930	1.1 U		1.3 U		1.2 U	
SW8260	METHYLENE CHLORIDE	ug/kg	50	5.4 UJ		6.3 UJ		5.8 U	
SW8260	N-PROPYLBENZENE	ug/kg	3900	5.4 U		6.3 U		5.8 U	
SW8260	O-XYLENE	ug/kg	260	0.98 J		1.3 U		1.2 U	
SW8260	SEC-BUTYLBENZENE	ug/kg	11000	5.4 U		6.3 U		5.8 U	
SW8260	TERT-BUTYLBENZENE	ug/kg	5900	5.4 U		6.3 U		5.8 U	
SW8260	TETRACHLOROETHENE	ug/kg	1300	5.4 U		6.3 U		5.8 U	
SW8260	TOLUENE	ug/kg	700	3.3		1.3 U		0.74 J	
SW8260	TRANS-1,2-DICHLOROETHENE	ug/kg	190	5.4 U		6.3 U		5.8 U	
SW8260	TRICHLOROETHENE	ug/kg	470	5.4 U		6.3 U		5.8 U	
SW8260	VINYL CHLORIDE	ug/kg	20	5.4 U		6.3 U		5.8 U	
SW8260	XYLENES, M & P	ug/kg	260	3.1		1.3 U		1.2 U	
SW8260	XYLENES, TOTAL	ug/kg	260	4.1		1.3 U		1.2 U	
SW8270	2-METHYLPHENOL	ug/kg	330		60 U		75 U		60 U
SW8270	3&4-METHYLPHENOL	ug/kg	null		60 U		75 U		60 U
SW8270	ACENAPHTHENE	ug/kg	20000		30 U		37 U		30 U
SW8270	ACENAPHTHYLENE	ug/kg	100000		30 U		37 U		30 U
SW8270	ANTHRACENE	ug/kg	100000		30 U		37 U		30 U
SW8270	BENZO(A)ANTHRACENE	ug/kg	1000		30 U		37 U		30 U
SW8270	BENZO(A)PYRENE	ug/kg	1000		30 U		37 U		30 U
SW8270	BENZO(B)FLUORANTHENE	ug/kg	1000		30 U		37 U		30 U
SW8270	BENZO(G,H,I)PERYLENE	ug/kg	100000		30 U		37 U		30 U
SW8270	BENZO(K)FLUORANTHENE	ug/kg	800		30 U		37 U		30 U
SW8270	CHRYSENE	ug/kg	1000		30 U		37 U		30 U
SW8270	DIBENZO(A,H)ANTHRACENE	ug/kg	330		30 U		37 U		30 U
SW8270	DIBENZOFURAN	ug/kg	7000		60 U		75 U		60 U
SW8270	FLUORANTHENE	ug/kg	100000		30 U		37 U		30 U
SW8270	FLUORENE	ug/kg	30000		30 U		37 U		30 U
SW8270	HEXACHLOROBENZENE	ug/kg	330		60 U		75 U		60 U
SW8270	INDENO(1,2,3-CD)PYRENE	ug/kg	500		30 U		37 U		30 U

## Validated Earthen Material Investigation – Granby Quarry Data

		Location	GPIT-SB-010	GPIT-SB-010	GPIT-SB-010	GPIT-SB-010	GPIT-SB-012	GPIT-SB-012	GPIT-SB-012
	Field Sample ID	GPIT-1672-07	GPIT-1672-08	GPIT-1672-09	GPIT-1673-01	GPIT-1674-009	GPIT-1674-010	GPIT-1674-011	
	Sample Date	5/24/2012	5/24/2012	5/24/2012	5/25/2012	5/29/2012	5/29/2012	5/29/2012	
	Sample Delivery Group	JB7414	JB7414	JB7414	JB7549	JB7630	JB7630	JB7630	
	Sample Depth	4-5 FT	0-5 FT	20-24 FT	5-28 FT	4-5 FT	0-8 FT	8-24 FT	
	Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	
	Sample Purpose	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	
	Sample Type	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	
Method	Parameter Name	Units	NYSDEC_Unrestricted Use SCOs						
SW8270	NAPHTHALENE	ug/kg	12000		30 U			30 U	34 U
SW8270	PENTACHLOROPHENOL	ug/kg	800		300 U			300 U	340 U
SW8270	PHENANTHRENE	ug/kg	100000		30 U			30 U	34 U
SW8270	PHENOL	ug/kg	330		60 U			60 U	68 U
SW8270	PYRENE	ug/kg	100000		30 U			30 U	34 U
SW9012	CYANIDE	mg/kg	27		0.12 U			0.12 UJ	0.13 UJ
SW9045	pH	S.U.	NA		8.66			8.45	8.52

		Location	GPIT-SB-012	GPIT-SB-013	GPIT-SB-013	GPIT-SB-013	GPIT-SB-013	GPIT-SB-014	GPIT-SB-014
		Field Sample ID	GPIT-1674-012	GPIT-1674-005	GPIT-1674-006	GPIT-1674-007	GPIT-1674-008	GPIT-1672-01	GPIT-1672-02
		Sample Date	5/29/2012	5/29/2012	5/29/2012	5/29/2012	5/29/2012	5/24/2012	5/24/2012
		Sample Delivery Group	JB7630	JB7630	JB7630	JB7630	JB7630	JB7414	JB7414
		Sample Depth	15-16 FT	0-4 FT	11-12 FT	0-8 FT	8-12 FT	0-4 FT	0-4 FT
		Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Sample Purpose	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample
		Sample Type	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring
Method	Parameter Name	Units	NYSDEC_Unrestricted Use SCOs						
ASTM D1498	OXIDATION-REDUCTION POTENTIAL	mv	NA				293	243	315
SM2540G	SOLIDS, PERCENT	%	NA	82.1	96.4	91.3	96.5	93.2	84.7
SW6010	ARSENIC	mg/kg	13				1.6 J	2.1 J	3.6
SW6010	BARIUM	mg/kg	350				31.7	65.4	90
SW6010	BERYLLIUM	mg/kg	7.2				0.16 J	0.13 J	0.3
SW6010	CADMIUM	mg/kg	2.5				0.032 J	0.043 J	0.047 J
SW6010	CHROMIUM	mg/kg	30				4.7	5.9	11.1
SW6010	CHROMIUM III	mg/kg	30				4.7	5.9	10.8 J
SW6010	COPPER	mg/kg	50				7.9	6.5	15.9
SW6010	LEAD	mg/kg	63				2 J	1.5 J	16.1
SW6010	MANGANESE	mg/kg	1600				365	420	1180
SW6010	NICKEL	mg/kg	30				5.7	5.3	13.3
SW6010	SELENIUM	mg/kg	3.9				0.25 U	0.26 U	0.28 U
SW6010	SILVER	mg/kg	2				0.065 U	0.067 U	0.3 J
SW6010	ZINC	mg/kg	109				14.7	13.4	48.3
SW7196	HEXAVALENT CHROMIUM	mg/Kg	1				0.2 U	0.21 U	0.3 J
SW7471	MERCURY	mg/kg	0.18				0.013 U	0.013 U	0.041
SW8081	4,4'-DDD	ug/kg	3.3				0.66 U	0.7 U	0.79 U
SW8081	4,4'-DDE	ug/kg	3.3				0.66 U	0.7 U	0.79 U
SW8081	4,4'-DDT	ug/kg	3.3				0.66 U	0.7 U	0.79 U
SW8081	ALDRIN	ug/kg	5				0.66 U	0.7 U	0.79 U
SW8081	ALPHA-BHC	ug/kg	20				0.66 U	0.7 U	0.79 U
SW8081	ALPHA-CHLORDANE	ug/kg	94				0.66 U	0.7 U	0.79 U
SW8081	BETA-BHC	ug/kg	36				0.66 U	0.7 U	0.79 U
SW8081	DELTA-BHC	ug/kg	40				0.66 U	0.7 U	0.79 U
SW8081	DIELDRIN	ug/kg	5				0.66 U	0.7 U	0.79 U
SW8081	ENDOSULFAN I	ug/kg	2400				0.66 U	0.7 U	0.79 U
SW8081	ENDOSULFAN II	ug/kg	2400				0.66 U	0.7 U	0.79 U
SW8081	ENDOSULFAN SULFATE	ug/kg	2400				0.66 U	0.7 U	0.79 U
SW8081	ENDRIN	ug/kg	14				0.66 U	0.7 U	0.79 U
SW8081	GAMMA-BHC (LINDANE)	ug/kg	100				0.66 U	0.7 U	0.79 U
SW8081	HEPTACHLOR	ug/kg	42				0.66 U	0.7 U	0.79 U
SW8082	AROCLOR-1016	ug/kg	100				34 U	35 U	39 U
SW8082	AROCLOR-1221	ug/kg	100				34 U	35 U	39 U
SW8082	AROCLOR-1232	ug/kg	100				34 U	35 U	39 U
SW8082	AROCLOR-1242	ug/kg	100				34 U	35 U	39 U
SW8082	AROCLOR-1248	ug/kg	100				34 U	35 U	39 U
SW8082	AROCLOR-1254	ug/kg	100				34 U	35 U	39 U
SW8082	AROCLOR-1260	ug/kg	100				34 U	35 U	39 U
SW8082	AROCLOR-1262	ug/kg	100				34 U	35 U	39 U
SW8082	AROCLOR-1268	ug/kg	100				34 U	35 U	39 U
SW8082	PCBS, N.O.S.	ug/kg	100				34 U	35 U	39 U
SW8151	2,4,5-TP (SILVEX)	ug/kg	3800				3 U	3.1 U	3.3 U
SW8260	1,1,1-TRICHLOROETHANE	ug/kg	680	6.8 U	5.8 UJ	5.6 UJ			6.1 U
SW8260	1,1-DICHLOROETHANE	ug/kg	270	6.8 U	5.8 U	5.6 U			6.1 U
SW8260	1,1-DICHLOROETHENE	ug/kg	330	6.8 U	5.8 U	5.6 U			6.1 U

		Location	GPIT-SB-012	GPIT-SB-013	GPIT-SB-013	GPIT-SB-013	GPIT-SB-013	GPIT-SB-014	GPIT-SB-014
	Field Sample ID	GPIT-1674-012	GPIT-1674-005	GPIT-1674-006	GPIT-1674-007	GPIT-1674-008	GPIT-1672-01	GPIT-1672-02	
	Sample Date	5/29/2012	5/29/2012	5/29/2012	5/29/2012	5/29/2012	5/24/2012	5/24/2012	
	Sample Delivery Group	JB7630	JB7630	JB7630	JB7630	JB7630	JB7630	JB7414	JB7414
	Sample Depth	15-16 FT	0-4 FT	11-12 FT	0-8 FT	8-12 FT	0-4 FT	0-4 FT	0-4 FT
	Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Sample Purpose	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample
	Sample Type	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring
Method	Parameter Name	Units	NYSDEC_Unrestricted Use SCOs						
SW8260	1,2,4-TRIMETHYLBENZENE	ug/kg	3600	6.8 U	5.8 U	5.6 U		6.1 U	
SW8260	1,2-DICHLOROBENZENE	ug/kg	1100	6.8 U	5.8 U	5.6 U		6.1 U	
SW8260	1,2-DICHLOROETHANE	ug/kg	20	1.4 U	1.2 U	1.1 U		1.2 U	
SW8260	1,3,5-TRIMETHYLBENZENE	ug/kg	8400	6.8 U	5.8 U	5.6 U		6.1 U	
SW8260	1,3-DICHLOROBENZENE	ug/kg	2400	6.8 U	5.8 U	5.6 U		6.1 U	
SW8260	1,4-DICHLOROBENZENE	ug/kg	1800	6.8 U	5.8 U	5.6 U		6.1 U	
SW8260	1,4-DIOXANE	ug/kg	100	170 UJ	140 U	140 U		150 UJ	
SW8260	2-BUTANONE	ug/kg	120	14 U	12 U	11 U		12 U	
SW8260	ACETONE	ug/kg	50	14 UJ	12 UJ	11 UJ		12 U	
SW8260	BENZENE	ug/kg	60	1.4 U	1.2 U	1.1 U		1.2 U	
SW8260	BUTYLBENZENE	ug/kg	12000	6.8 U	5.8 U	5.6 U		6.1 U	
SW8260	CARBON TETRACHLORIDE	ug/kg	760	6.8 U	5.8 U	5.6 UJ		6.1 U	
SW8260	CHLOROBENZENE	ug/kg	1100	6.8 U	5.8 U	5.6 U		6.1 U	
SW8260	CHLOROFORM	ug/kg	370	6.8 U	5.8 U	5.6 U		6.1 U	
SW8260	CIS-1,2-DICHLOROETHENE	ug/kg	250	6.8 U	5.8 U	5.6 U		6.1 U	
SW8260	ETHYLBENZENE	ug/kg	1000	1.4 U	1.2 U	1.1 U		1.2 U	
SW8260	METHYL TERT-BUTYL ETHER	ug/kg	930	1.4 U	1.2 U	1.1 U		1.2 U	
SW8260	METHYLENE CHLORIDE	ug/kg	50	6.8 UJ	5.8 U	5.6 U		6.1 UJ	
SW8260	N-PROPYLBENZENE	ug/kg	3900	6.8 U	5.8 U	5.6 U		6.1 U	
SW8260	O-XYLENE	ug/kg	260	1.4 U	1.2 U	1.1 U		1.2 U	
SW8260	SEC-BUTYLBENZENE	ug/kg	11000	6.8 U	5.8 U	5.6 U		6.1 U	
SW8260	TERT-BUTYLBENZENE	ug/kg	5900	6.8 U	5.8 U	5.6 U		6.1 U	
SW8260	TETRACHLOROETHENE	ug/kg	1300	6.8 U	5.8 U	5.6 U		6.1 U	
SW8260	TOLUENE	ug/kg	700	1.2 J	0.48 J	0.77 J		1.2 U	
SW8260	TRANS-1,2-DICHLOROETHENE	ug/kg	190	6.8 U	5.8 U	5.6 U		6.1 U	
SW8260	TRICHLOROETHENE	ug/kg	470	6.8 U	5.8 U	5.6 U		6.1 U	
SW8260	VINYL CHLORIDE	ug/kg	20	6.8 U	5.8 U	5.6 U		6.1 U	
SW8260	XYLENES, M & P	ug/kg	260	1.4 U	1.2 U	1.1 U		1.2 U	
SW8260	XYLENES, TOTAL	ug/kg	260	1.4 U	1.2 U	1.1 U		1.2 U	
SW8270	2-METHYLPHENOL	ug/kg	330				58 U	61 U	72 U
SW8270	3&4-METHYLPHENOL	ug/kg	null				58 U	61 U	72 U
SW8270	ACENAPHTHENE	ug/kg	20000				29 U	30 U	36 U
SW8270	ACENAPHTHYLENE	ug/kg	100000				29 U	30 U	36 U
SW8270	ANTHRACENE	ug/kg	100000				29 U	30 U	36 U
SW8270	BENZO(A)ANTHRACENE	ug/kg	1000				29 U	30 U	22.8 J
SW8270	BENZO(A)PYRENE	ug/kg	1000				29 U	30 U	25.5 J
SW8270	BENZO(B)FLUORANTHENE	ug/kg	1000				29 U	30 U	30.1 J
SW8270	BENZO(G,H,I)PERYLENE	ug/kg	100000				29 U	30 U	82.2
SW8270	BENZO(K)FLUORANTHENE	ug/kg	800				29 U	30 U	17.6 J
SW8270	CHRYSENE	ug/kg	1000				29 U	30 U	24.5 J
SW8270	DIBENZO(A,H)ANTHRACENE	ug/kg	330				29 U	30 U	36 U
SW8270	DIBENZOFURAN	ug/kg	7000				58 U	61 U	72 U
SW8270	FLUORANTHENE	ug/kg	100000				29 U	30 U	30.7 J
SW8270	FLUORENE	ug/kg	30000				29 U	30 U	36 U
SW8270	HEXACHLOROBENZENE	ug/kg	330				58 U	61 U	72 U
SW8270	INDENO(1,2,3-CD)PYRENE	ug/kg	500				29 U	30 U	16.1 J

## Validated Earthen Material Investigation – Granby Quarry Data

		Location	GPIT-SB-012	GPIT-SB-013	GPIT-SB-013	GPIT-SB-013	GPIT-SB-013	GPIT-SB-013	GPIT-SB-014	GPIT-SB-014
	Field Sample ID	GPIT-1674-012	GPIT-1674-005	GPIT-1674-006	GPIT-1674-007	GPIT-1674-008	GPIT-1672-01	GPIT-1672-02		
	Sample Date	5/29/2012	5/29/2012	5/29/2012	5/29/2012	5/29/2012	5/24/2012	5/24/2012		
	Sample Delivery Group	JB7630	JB7630	JB7630	JB7630	JB7630	JB7414	JB7414		
	Sample Depth	15-16 FT	0-4 FT	11-12 FT	0-8 FT	8-12 FT	0-4 FT	0-4 FT		
	Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL		
	Sample Purpose	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample		
	Sample Type	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring		
Method	Parameter Name	Units	NYSDEC_Unrestricted Use SCOs							
SW8270	NAPHTHALENE	ug/kg	12000				29 U	30 U		36 U
SW8270	PENTACHLOROPHENOL	ug/kg	800				290 U	300 U		360 U
SW8270	PHENANTHRENE	ug/kg	100000				29 U	30 U		18 J
SW8270	PHENOL	ug/kg	330				58 U	61 U		72 U
SW8270	PYRENE	ug/kg	100000				29 U	30 U		37.7
SW9012	CYANIDE	mg/kg	27				0.11 UJ	0.12 UJ		0.13 U
SW9045	pH	S.U.	NA				8.66	8.97		7.59

		Location	GPIT-SB-014	GPIT-SB-014	GPIT-SB-014	GPIT-SB-014	GPIT-SB-015	GPIT-SB-015	GPIT-SB-015
		Field Sample ID	GPIT-1672-03	GPIT-1672-04	GPIT-1672-05	GPIT-1672-06	GPIT-1671-01	GPIT-1671-02	GPIT-1671-03
		Sample Date	5/24/2012	5/24/2012	5/24/2012	5/24/2012	5/23/2012	5/23/2012	5/23/2012
		Sample Delivery Group	JB7414	JB7414	JB7414	JB7414	JB7298	JB7298	JB7298
		Sample Depth	16-20 FT	16-20 FT	4-24 FT	4-24 FT	4-8 FT	9.7-12 FT	0-8 FT
		Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Sample Purpose	Regular sample	Field duplicate	Regular sample				
		Sample Type	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring
Method	Parameter Name	Units	NYSDEC_Unrestricted Use SCOs						
ASTM D1498	OXIDATION-REDUCTION POTENTIAL	mv	NA			316	314		341
SM2540G	SOLIDS, PERCENT	%	NA	80.7	84.6	82	79.9	95	84.3
SW6010	ARSENIC	mg/kg	13			3	1.7 J		2.6
SW6010	BARIUM	mg/kg	350			69.1	45.4		49.7
SW6010	BERYLLIUM	mg/kg	7.2			0.23 J	0.16 J		0.27
SW6010	CADMIUM	mg/kg	2.5			0.03 U	0.032 U		0.077 J
SW6010	CHROMIUM	mg/kg	30			8.2	6.4		8.3
SW6010	CHROMIUM III	mg/kg	30			7.5 J	6.4 J		8
SW6010	COPPER	mg/kg	50			14.6	7.8		20.4
SW6010	LEAD	mg/kg	63			12.5	10.3		2.8
SW6010	MANGANESE	mg/kg	1600			835	516		799
SW6010	NICKEL	mg/kg	30			10.1	7.8		10.7
SW6010	SELENIUM	mg/kg	3.9			0.29 U	0.3 U		0.31 J
SW6010	SILVER	mg/kg	2			0.39 J	0.39 J		1.2
SW6010	ZINC	mg/kg	109			49.3	32.6		24.6
SW7196	HEXAVALENT CHROMIUM	mg/Kg	1			0.75 J	0.24 U		0.29 J
SW7471	MERCURY	mg/kg	0.18			0.015 U	0.015 U		0.013 U
SW8081	4,4'-DDD	ug/kg	3.3			0.81 U	0.82 U		0.65 U
SW8081	4,4'-DDE	ug/kg	3.3			0.81 U	1.1		0.65 U
SW8081	4,4'-DDT	ug/kg	3.3			0.81 U	1.3 J		0.65 U
SW8081	ALDRIN	ug/kg	5			0.81 U	0.82 U		0.65 U
SW8081	ALPHA-BHC	ug/kg	20			0.81 U	0.82 U		0.65 U
SW8081	ALPHA-CHLORDANE	ug/kg	94			0.81 U	0.82 U		0.65 U
SW8081	BETA-BHC	ug/kg	36			0.81 U	0.82 U		0.65 U
SW8081	DELTA-BHC	ug/kg	40			0.81 U	0.82 U		0.65 U
SW8081	DIELDRIN	ug/kg	5			0.81 U	0.82 U		0.65 U
SW8081	ENDOSULFAN I	ug/kg	2400			0.81 U	0.82 U		0.65 U
SW8081	ENDOSULFAN II	ug/kg	2400			0.81 U	0.82 U		0.65 U
SW8081	ENDOSULFAN SULFATE	ug/kg	2400			0.81 U	0.82 U		0.65 U
SW8081	ENDRIN	ug/kg	14			0.81 U	0.82 U		0.65 U
SW8081	GAMMA-BHC (LINDANE)	ug/kg	100			0.81 U	0.82 U		0.65 U
SW8081	HEPTACHLOR	ug/kg	42			0.81 U	0.82 U		0.65 U
SW8082	AROCLOR-1016	ug/kg	100			41 U	41 U		32 U
SW8082	AROCLOR-1221	ug/kg	100			41 U	41 U		32 U
SW8082	AROCLOR-1232	ug/kg	100			41 U	41 U		32 U
SW8082	AROCLOR-1242	ug/kg	100			41 U	41 U		32 U
SW8082	AROCLOR-1248	ug/kg	100			41 U	41 U		32 U
SW8082	AROCLOR-1254	ug/kg	100			41 U	41 U		32 U
SW8082	AROCLOR-1260	ug/kg	100			41 U	41 U		32 U
SW8082	AROCLOR-1262	ug/kg	100			41 U	41 U		32 U
SW8082	AROCLOR-1268	ug/kg	100			41 U	41 U		32 U
SW8082	PCBS, N.O.S.	ug/kg	100			41 U	41 U		32 U
SW8151	2,4,5-TP (SILVEX)	ug/kg	3800			3.5 U	3.6 U		3.5 U
SW8260	1,1,1-TRICHLOROETHANE	ug/kg	680	6.1 U	6.4 U			5.4 U	6.1 U
SW8260	1,1-DICHLOROETHANE	ug/kg	270	6.1 U	6.4 U			5.4 U	6.1 U
SW8260	1,1-DICHLOROETHENE	ug/kg	330	6.1 U	6.4 U			5.4 U	6.1 U

		Location	GPIT-SB-014	GPIT-SB-014	GPIT-SB-014	GPIT-SB-014	GPIT-SB-015	GPIT-SB-015	GPIT-SB-015
		Field Sample ID	GPIT-1672-03	GPIT-1672-04	GPIT-1672-05	GPIT-1672-06	GPIT-1671-01	GPIT-1671-02	GPIT-1671-03
		Sample Date	5/24/2012	5/24/2012	5/24/2012	5/24/2012	5/23/2012	5/23/2012	5/23/2012
		Sample Delivery Group	JB7414	JB7414	JB7414	JB7414	JB7298	JB7298	JB7298
		Sample Depth	16-20 FT	16-20 FT	4-24 FT	4-24 FT	4-8 FT	9.7-12 FT	0-8 FT
		Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Sample Purpose	Regular sample	Field duplicate	Regular sample				
		Sample Type	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring
Method	Parameter Name	Units	NYSDEC_Unrestricted Use SCOs						
SW8260	1,2,4-TRIMETHYLBENZENE	ug/kg	3600	6.1 U	6.4 U		5.4 U	6.1 U	
SW8260	1,2-DICHLOROBENZENE	ug/kg	1100	6.1 U	6.4 U		5.4 U	6.1 U	
SW8260	1,2-DICHLOROETHANE	ug/kg	20	1.2 U	1.3 U		1.1 U	1.2 U	
SW8260	1,3,5-TRIMETHYLBENZENE	ug/kg	8400	6.1 U	6.4 U		5.4 U	6.1 U	
SW8260	1,3-DICHLOROBENZENE	ug/kg	2400	6.1 U	6.4 U		5.4 U	6.1 U	
SW8260	1,4-DICHLOROBENZENE	ug/kg	1800	6.1 U	6.4 U		5.4 U	6.1 U	
SW8260	1,4-DIOXANE	ug/kg	100	150 UJ	160 UJ		130 U	150 U	
SW8260	2-BUTANONE	ug/kg	120	12 U	13 U		11 U	12 U	
SW8260	ACETONE	ug/kg	50	40.7	37.7		11 U	12 U	
SW8260	BENZENE	ug/kg	60	1.2 U	1.3 U		1.1 U	1.2 U	
SW8260	BUTYLBENZENE	ug/kg	12000	6.1 U	6.4 U		5.4 U	6.1 U	
SW8260	CARBON TETRACHLORIDE	ug/kg	760	6.1 U	6.4 U		5.4 U	6.1 U	
SW8260	CHLOROBENZENE	ug/kg	1100	6.1 U	6.4 U		5.4 U	0.51 J	
SW8260	CHLOROFORM	ug/kg	370	6.1 U	6.4 U		5.4 U	6.1 U	
SW8260	CIS-1,2-DICHLOROETHENE	ug/kg	250	6.1 U	6.4 U		5.4 U	6.1 U	
SW8260	ETHYLBENZENE	ug/kg	1000	1.2 U	1.3 U		1.1 U	1.2 U	
SW8260	METHYL TERT-BUTYL ETHER	ug/kg	930	1.2 U	1.3 U		1.1 U	1.2 U	
SW8260	METHYLENE CHLORIDE	ug/kg	50	6.1 UJ	6.4 UJ		5.4 U	6.1 U	
SW8260	N-PROPYLBENZENE	ug/kg	3900	6.1 U	6.4 U		5.4 U	6.1 U	
SW8260	O-XYLENE	ug/kg	260	1.2 U	1.3 U		1.1 U	1.2 U	
SW8260	SEC-BUTYLBENZENE	ug/kg	11000	6.1 U	6.4 U		5.4 U	6.1 U	
SW8260	TERT-BUTYLBENZENE	ug/kg	5900	6.1 U	6.4 U		5.4 U	6.1 U	
SW8260	TETRACHLOROETHENE	ug/kg	1300	6.1 U	6.4 U		5.4 U	6.1 U	
SW8260	TOLUENE	ug/kg	700	1.2 U	1.3 U		1.1 U	1.1 J	
SW8260	TRANS-1,2-DICHLOROETHENE	ug/kg	190	6.1 U	6.4 U		5.4 U	6.1 U	
SW8260	TRICHLOROETHENE	ug/kg	470	6.1 U	6.4 U		5.4 U	6.1 U	
SW8260	VINYL CHLORIDE	ug/kg	20	6.1 U	6.4 U		5.4 U	6.1 U	
SW8260	XYLENES, M & P	ug/kg	260	1.2 U	1.3 U		1.1 U	1.2 U	
SW8260	XYLENES, TOTAL	ug/kg	260	1.2 U	1.3 U		1.1 U	1.2 U	
SW8270	2-METHYLPHENOL	ug/kg	330			79 U	73 U		61 U
SW8270	3&4-METHYLPHENOL	ug/kg	null			79 U	73 U		61 U
SW8270	ACENAPHTHENE	ug/kg	20000			39 U	37 U		30 U
SW8270	ACENAPHTHYLENE	ug/kg	100000			39 U	37 U		30 U
SW8270	ANTHRACENE	ug/kg	100000			39 U	37 U		30 U
SW8270	BENZO(A)ANTHRACENE	ug/kg	1000			39 U	37 U		30 U
SW8270	BENZO(A)PYRENE	ug/kg	1000			39 U	37 U		30 U
SW8270	BENZO(B)FLUORANTHENE	ug/kg	1000			39 U	37 U		30 U
SW8270	BENZO(G,H,I)PERYLENE	ug/kg	100000			39 U	37 U		30 U
SW8270	BENZO(K)FLUORANTHENE	ug/kg	800			39 U	37 U		30 U
SW8270	CHRYSENE	ug/kg	1000			39 U	37 U		30 U
SW8270	DIBENZO(A,H)ANTHRACENE	ug/kg	330			39 U	37 U		30 U
SW8270	DIBENZOFURAN	ug/kg	7000			79 U	73 U		61 U
SW8270	FLUORANTHENE	ug/kg	100000			39 U	20.3 J		30 U
SW8270	FLUORENE	ug/kg	30000			39 U	37 U		30 U
SW8270	HEXACHLOROBENZENE	ug/kg	330			79 U	73 U		61 U
SW8270	INDENO(1,2,3-CD)PYRENE	ug/kg	500			39 U	37 U		30 U

## Validated Earthen Material Investigation – Granby Quarry Data

		Location	GPIT-SB-014	GPIT-SB-014	GPIT-SB-014	GPIT-SB-014	GPIT-SB-015	GPIT-SB-015	GPIT-SB-015
	Field Sample ID	GPIT-1672-03	GPIT-1672-04	GPIT-1672-05	GPIT-1672-06	GPIT-1671-01	GPIT-1671-02	GPIT-1671-03	
	Sample Date	5/24/2012	5/24/2012	5/24/2012	5/24/2012	5/23/2012	5/23/2012	5/23/2012	
	Sample Delivery Group	JB7414	JB7414	JB7414	JB7414	JB7298	JB7298	JB7298	
	Sample Depth	16-20 FT	16-20 FT	4-24 FT	4-24 FT	4-8 FT	9.7-12 FT	0-8 FT	
	Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	
	Sample Purpose	Regular sample	Field duplicate	Regular sample					
	Sample Type	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	
Method	Parameter Name	Units	NYSDEC_Unrestricted Use SCOs						
SW8270	NAPHTHALENE	ug/kg	12000		39 U	37 U			30 U
SW8270	PENTACHLOROPHENOL	ug/kg	800		390 U	370 U			300 U
SW8270	PHENANTHRENE	ug/kg	100000		39 U	37 U			30 U
SW8270	PHENOL	ug/kg	330		79 U	73 U			61 U
SW8270	PYRENE	ug/kg	100000		39 U	18.1 J			30 U
SW9012	CYANIDE	mg/kg	27		0.13 U	0.14 U			0.27
SW9045	pH	S.U.	NA		7.79	8			7.48

		Location	GPIT-SB-015	GPIT-SB-016	GPIT-SB-016	GPIT-SB-016	GPIT-SB-016	GPIT-SB-017	GPIT-SB-017
		Field Sample ID	GPIT-1671-04	GPIT-1671-09	GPIT-1671-10	GPIT-1671-11	GPIT-1671-12	GPIT-1671-05	GPIT-1671-06
		Sample Date	5/23/2012	5/23/2012	5/23/2012	5/23/2012	5/23/2012	5/23/2012	5/23/2012
		Sample Delivery Group	JB7298	JB7298	JB7298	JB7298	JB7298	JB7298	JB7298
		Sample Depth	8-12.8 FT	4-8 FT	0-8 FT	16-20 FT	8-29 FT	4-8 FT	0-6.7 FT
		Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Sample Purpose	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample
		Sample Type	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring
Method	Parameter Name	Units	NYSDEC_Unrestricted Use SCOs						
ASTM D1498	OXIDATION-REDUCTION POTENTIAL	mv	NA	330		314		304	326
SM2540G	SOLIDS, PERCENT	%	NA	79	78.4	91.5	84.4	80.7	91.1
SW6010	ARSENIC	mg/kg	13	2.8		1.8 J		1.7 J	2.6
SW6010	BARIUM	mg/kg	350	89.4		34.8		33.1	46.9
SW6010	BERYLLIUM	mg/kg	7.2	0.39		0.21 J		0.2 J	0.26
SW6010	CADMIUM	mg/kg	2.5	0.076 J		0.055 J		0.051 J	0.065 J
SW6010	CHROMIUM	mg/kg	30	11.6		7.2		5.3	11.5
SW6010	CHROMIUM III	mg/kg	30	11.6		7		5.3	11.2
SW6010	COPPER	mg/kg	50	17.4		12.6		9.6	17
SW6010	LEAD	mg/kg	63	4.4		2.3		2.1 J	2.7
SW6010	MANGANESE	mg/kg	1600	477		497		394	633
SW6010	NICKEL	mg/kg	30	12.8		7.5		6.9	10.4
SW6010	SELENIUM	mg/kg	3.9	0.3 U		0.26 U		0.3 U	0.3 J
SW6010	SILVER	mg/kg	2	0.92		0.83		1.3	0.97
SW6010	ZINC	mg/kg	109	29.8		17.8		16	23.2
SW7196	HEXAVALENT CHROMIUM	mg/Kg	1	0.25 U		0.25 J		0.24 U	0.33 J
SW7471	MERCURY	mg/kg	0.18	0.015 U		0.013 U		0.015 U	0.013 U
SW8081	4,4'-DDD	ug/kg	3.3	0.75 U		0.7 U		0.75 U	0.66 U
SW8081	4,4'-DDE	ug/kg	3.3	0.75 U		0.7 U		0.75 U	0.66 U
SW8081	4,4'-DDT	ug/kg	3.3	0.75 U		0.7 U		0.75 U	0.66 U
SW8081	ALDRIN	ug/kg	5	0.75 U		0.7 U		0.75 U	0.66 U
SW8081	ALPHA-BHC	ug/kg	20	0.75 U		0.7 U		0.75 U	0.66 U
SW8081	ALPHA-CHLORDANE	ug/kg	94	0.75 U		0.7 U		0.75 U	0.66 U
SW8081	BETA-BHC	ug/kg	36	0.75 U		0.7 U		0.75 U	0.66 U
SW8081	DELTA-BHC	ug/kg	40	0.75 U		0.7 U		0.75 U	0.66 U
SW8081	DIELDRIN	ug/kg	5	0.75 U		0.7 U		0.75 U	0.66 U
SW8081	ENDOSULFAN I	ug/kg	2400	0.75 U		0.7 U		0.75 U	0.66 U
SW8081	ENDOSULFAN II	ug/kg	2400	0.75 U		0.7 U		0.75 U	0.66 U
SW8081	ENDOSULFAN SULFATE	ug/kg	2400	0.75 U		0.7 U		0.75 U	0.66 U
SW8081	ENDRIN	ug/kg	14	0.75 U		0.7 U		0.75 U	0.66 U
SW8081	GAMMA-BHC (LINDANE)	ug/kg	100	0.75 U		0.7 U		0.75 U	0.66 U
SW8081	HEPTACHLOR	ug/kg	42	0.75 U		0.7 U		0.75 U	0.66 U
SW8082	AROCLOR-1016	ug/kg	100	37 U		35 U		37 U	33 U
SW8082	AROCLOR-1221	ug/kg	100	37 U		35 U		37 U	33 U
SW8082	AROCLOR-1232	ug/kg	100	37 U		35 U		37 U	33 U
SW8082	AROCLOR-1242	ug/kg	100	37 U		35 U		37 U	33 U
SW8082	AROCLOR-1248	ug/kg	100	37 U		35 U		37 U	33 U
SW8082	AROCLOR-1254	ug/kg	100	37 U		35 U		37 U	33 U
SW8082	AROCLOR-1260	ug/kg	100	37 U		35 U		37 U	33 U
SW8082	AROCLOR-1262	ug/kg	100	37 U		35 U		37 U	33 U
SW8082	AROCLOR-1268	ug/kg	100	37 U		35 U		37 U	33 U
SW8082	PCBS, N.O.S.	ug/kg	100	37 U		35 U		37 U	33 U
SW8151	2,4,5-TP (SILVEX)	ug/kg	3800	4 U		3.5 U		3.5 U	3.2 U
SW8260	1,1,1-TRICHLOROETHANE	ug/kg	680		6.4 U		5.9 U		6.1 U
SW8260	1,1-DICHLOROETHANE	ug/kg	270		6.4 U		5.9 U		6.1 U
SW8260	1,1-DICHLOROETHENE	ug/kg	330		6.4 U		5.9 U		6.1 U

		Location	GPIT-SB-015	GPIT-SB-016	GPIT-SB-016	GPIT-SB-016	GPIT-SB-016	GPIT-SB-017	GPIT-SB-017	
		Field Sample ID	GPIT-1671-04	GPIT-1671-09	GPIT-1671-10	GPIT-1671-11	GPIT-1671-12	GPIT-1671-05	GPIT-1671-06	
		Sample Date	5/23/2012	5/23/2012	5/23/2012	5/23/2012	5/23/2012	5/23/2012	5/23/2012	
		Sample Delivery Group	JB7298	JB7298	JB7298	JB7298	JB7298	JB7298	JB7298	
		Sample Depth	8-12.8 FT	4-8 FT	0-8 FT	16-20 FT	8-29 FT	4-8 FT	0-6.7 FT	
		Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	
		Sample Purpose	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	
		Sample Type	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	
Method	Parameter Name	Units	NYSDEC_Unrestricted Use SCOs							
SW8260	1,2,4-TRIMETHYLBENZENE	ug/kg	3600		6.4 U		5.9 U		6.1 U	
SW8260	1,2-DICHLOROBENZENE	ug/kg	1100		6.4 U		5.9 U		6.1 U	
SW8260	1,2-DICHLOROETHANE	ug/kg	20		1.3 U		1.2 U		1.2 U	
SW8260	1,3,5-TRIMETHYLBENZENE	ug/kg	8400		6.4 U		5.9 U		6.1 U	
SW8260	1,3-DICHLOROBENZENE	ug/kg	2400		6.4 U		5.9 U		6.1 U	
SW8260	1,4-DICHLOROBENZENE	ug/kg	1800		6.4 U		5.9 U		6.1 U	
SW8260	1,4-DIOXANE	ug/kg	100		160 U		150 U		150 U	
SW8260	2-BUTANONE	ug/kg	120		13 U		12 U		12 U	
SW8260	ACETONE	ug/kg	50		13 U		12 U		12 U	
SW8260	BENZENE	ug/kg	60		1.3 U		1.2 U		1.2 U	
SW8260	BUTYLBENZENE	ug/kg	12000		6.4 U		5.9 U		6.1 U	
SW8260	CARBON TETRACHLORIDE	ug/kg	760		6.4 U		5.9 U		6.1 U	
SW8260	CHLOROBENZENE	ug/kg	1100		6.4 U		5.9 U		0.42 J	
SW8260	CHLOROFORM	ug/kg	370		6.4 U		5.9 U		6.1 U	
SW8260	CIS-1,2-DICHLOROETHENE	ug/kg	250		6.4 U		5.9 U		6.1 U	
SW8260	ETHYLBENZENE	ug/kg	1000		1.3 U		1.2 U		1.2 U	
SW8260	METHYL TERT-BUTYL ETHER	ug/kg	930		1.3 U		1.2 U		1.2 U	
SW8260	METHYLENE CHLORIDE	ug/kg	50		6.4 U		5.9 U		6.1 U	
SW8260	N-PROPYLBENZENE	ug/kg	3900		6.4 U		5.9 U		6.1 U	
SW8260	O-XYLENE	ug/kg	260		1.3 U		1.2 U		1.2 U	
SW8260	SEC-BUTYLBENZENE	ug/kg	11000		6.4 U		5.9 U		6.1 U	
SW8260	TERT-BUTYLBENZENE	ug/kg	5900		6.4 U		5.9 U		6.1 U	
SW8260	TETRACHLOROETHENE	ug/kg	1300		6.4 U		5.9 U		6.1 U	
SW8260	TOLUENE	ug/kg	700		1.3 U		0.84 J		0.89 J	
SW8260	TRANS-1,2-DICHLOROETHENE	ug/kg	190		6.4 U		5.9 U		6.1 U	
SW8260	TRICHLOROETHENE	ug/kg	470		6.4 U		5.9 U		6.1 U	
SW8260	VINYL CHLORIDE	ug/kg	20		6.4 U		5.9 U		6.1 U	
SW8260	XYLENES, M & P	ug/kg	260		1.3 U		1.2 U		1.2 U	
SW8260	XYLENES, TOTAL	ug/kg	260		1.3 U		1.2 U		1.2 U	
SW8270	2-METHYLPHENOL	ug/kg	330	71 U		62 U		69 U		61 U
SW8270	3&4-METHYLPHENOL	ug/kg	null	71 U		62 U		69 U		61 U
SW8270	ACENAPHTHENE	ug/kg	20000	36 U		31 U		35 U		30 U
SW8270	ACENAPHTHYLENE	ug/kg	100000	36 U		31 U		35 U		30 U
SW8270	ANTHRACENE	ug/kg	100000	36 U		31 U		35 U		30 U
SW8270	BENZO(A)ANTHRACENE	ug/kg	1000	36 U		31 U		35 U		30 U
SW8270	BENZO(A)PYRENE	ug/kg	1000	36 U		31 U		35 U		30 U
SW8270	BENZO(B)FLUORANTHENE	ug/kg	1000	36 U		31 U		35 U		30 U
SW8270	BENZO(G,H,I)PERYLENE	ug/kg	100000	36 U		31 U		35 U		30 U
SW8270	BENZO(K)FLUORANTHENE	ug/kg	800	36 U		31 U		35 U		30 U
SW8270	CHRYSENE	ug/kg	1000	36 U		31 U		35 U		30 U
SW8270	DIBENZO(A,H)ANTHRACENE	ug/kg	330	36 U		31 U		35 U		30 U
SW8270	DIBENZOFURAN	ug/kg	7000	71 U		62 U		69 U		61 U
SW8270	FLUORANTHENE	ug/kg	100000	36 U		31 U		35 U		30 U
SW8270	FLUORENE	ug/kg	30000	36 U		31 U		35 U		30 U
SW8270	HEXAChLOROBENZENE	ug/kg	330	71 U		62 U		69 U		61 U
SW8270	INDENO(1,2,3-CD)PYRENE	ug/kg	500	36 U		31 U		35 U		30 U

		Location	GPIT-SB-015	GPIT-SB-016	GPIT-SB-016	GPIT-SB-016	GPIT-SB-016	GPIT-SB-017	GPIT-SB-017	
	Field Sample ID	GPIT-1671-04	GPIT-1671-09	GPIT-1671-10	GPIT-1671-11	GPIT-1671-12	GPIT-1671-05	GPIT-1671-06		
	Sample Date	5/23/2012	5/23/2012	5/23/2012	5/23/2012	5/23/2012	5/23/2012	5/23/2012		
	Sample Delivery Group	JB7298	JB7298	JB7298	JB7298	JB7298	JB7298	JB7298		
	Sample Depth	8-12.8 FT	4-8 FT	0-8 FT	16-20 FT	8-29 FT	4-8 FT	0-6.7 FT		
	Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL		
	Sample Purpose	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample		
	Sample Type	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring		
Method	Parameter Name	Units	NYSDEC_Unrestricted Use SCOs							
SW8270	NAPHTHALENE	ug/kg	12000	36 U		31 U		35 U		30 U
SW8270	PENTACHLOROPHENOL	ug/kg	800	360 U		310 U		350 U		300 U
SW8270	PHENANTHRENE	ug/kg	100000	36 U		31 U		35 U		30 U
SW8270	PHENOL	ug/kg	330	71 U		62 U		69 U		61 U
SW8270	PYRENE	ug/kg	100000	36 U		31 U		35 U		30 U
SW9012	CYANIDE	mg/kg	27	0.14 U		0.13 U		0.14 U		0.12 U
SW9045	pH	S.U.	NA	8.13		8.06		8.84		8.43

		Location	GPIT-SB-017	GPIT-SB-017	GPIT-SB-018	GPIT-SB-018	GPIT-SB-018	GPIT-SB-018	GPIT-SB-018	GPIT-SB-019
		Field Sample ID	GPIT-1671-07	GPIT-1671-08	GPIT-1676-21	GPIT-1676-22	GPIT-1676-23	GPIT-1676-24	GPIT-1675-17	
		Sample Date	5/23/2012	5/23/2012	5/31/2012	5/31/2012	5/31/2012	5/31/2012	5/31/2012	5/30/2012
		Sample Delivery Group	JB7298	JB7298	JB7800	JB7800	JB7800	JB7800	JB7800	JB7723
		Sample Depth	16-17.3 FT	6.7-17.3 FT	0-12 FT	4-8 FT	12-25 FT	16-20 FT	0-3 FT	
		Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Sample Purpose	Regular sample	Regular sample	Field duplicate	Regular sample				
		Sample Type	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring
Method	Parameter Name	Units	NYSDEC_Unrestricted Use SCOs							
ASTM D1498	OXIDATION-REDUCTION POTENTIAL	mv	NA		265	369		355		331
SM2540G	SOLIDS, PERCENT	%	NA	80.2	88.9	93.9	93.1	91.6	91.5	90.3
SW6010	ARSENIC	mg/kg	13		2.4	2.7		2.3		2.7
SW6010	BARIUM	mg/kg	350		34.7	40.9		48.4		54.8
SW6010	BERYLLIUM	mg/kg	7.2		0.21 J	0.39		0.35		0.43
SW6010	CADMIUM	mg/kg	2.5		0.033 J	0.072 J		0.051 J		0.12 J
SW6010	CHROMIUM	mg/kg	30		6.5	14.1		10.2		10.8
SW6010	CHROMIUM III	mg/kg	30		6.3	14.1		10.2		10.8
SW6010	COPPER	mg/kg	50		8.3	24.7		19		29.1
SW6010	LEAD	mg/kg	63		2.4	2.8		2.4		3.1
SW6010	MANGANESE	mg/kg	1600		294	656		638		802 J
SW6010	NICKEL	mg/kg	30		7.7	12.6		10.8		12.5
SW6010	SELENIUM	mg/kg	3.9		0.26 U	0.25 U		0.24 U		0.28 U
SW6010	SILVER	mg/kg	2		0.73	0.24 J		0.14 J		0.38 J
SW6010	ZINC	mg/kg	109		16.9	30.2		25.1		29.2 J
SW7196	HEXAVALENT CHROMIUM	mg/Kg	1		0.25 J	0.21 UJ		0.21 UJ		0.22 U
SW7471	MERCURY	mg/kg	0.18		0.051	0.013 U		0.013 U		0.014 U
SW8081	4,4'-DDD	ug/kg	3.3		0.67 U	0.7 U		0.7 U		0.73 U
SW8081	4,4'-DDE	ug/kg	3.3		0.67 U	0.7 U		0.7 U		0.73 U
SW8081	4,4'-DDT	ug/kg	3.3		0.67 U	0.7 U		0.7 U		0.73 U
SW8081	ALDRIN	ug/kg	5		0.67 U	0.7 U		0.7 U		0.73 U
SW8081	ALPHA-BHC	ug/kg	20		0.67 U	0.7 U		0.7 U		0.73 U
SW8081	ALPHA-CHLORDANE	ug/kg	94		0.67 U	0.7 U		0.7 U		0.73 U
SW8081	BETA-BHC	ug/kg	36		0.67 U	0.7 U		0.7 U		0.73 U
SW8081	DELTA-BHC	ug/kg	40		0.67 U	0.7 U		0.7 U		0.73 U
SW8081	DIELDRIN	ug/kg	5		0.67 U	0.7 U		0.7 U		0.73 U
SW8081	ENDOSULFAN I	ug/kg	2400		0.67 U	0.7 U		0.7 U		0.73 U
SW8081	ENDOSULFAN II	ug/kg	2400		0.67 U	0.7 U		0.7 U		0.73 U
SW8081	ENDOSULFAN SULFATE	ug/kg	2400		0.67 U	0.7 U		0.7 U		0.73 U
SW8081	ENDRIN	ug/kg	14		0.67 U	0.7 U		0.7 U		0.73 U
SW8081	GAMMA-BHC (LINDANE)	ug/kg	100		0.67 U	0.7 U		0.7 U		0.73 U
SW8081	HEPTACHLOR	ug/kg	42		0.67 U	0.7 U		0.7 U		0.73 U
SW8082	AROCLOR-1016	ug/kg	100		33 U	35 U		35 U		37 U
SW8082	AROCLOR-1221	ug/kg	100		33 U	35 U		35 U		37 U
SW8082	AROCLOR-1232	ug/kg	100		33 U	35 U		35 U		37 U
SW8082	AROCLOR-1242	ug/kg	100		33 U	35 U		35 U		37 U
SW8082	AROCLOR-1248	ug/kg	100		33 U	35 U		35 U		37 U
SW8082	AROCLOR-1254	ug/kg	100		33 U	35 U		35 U		37 U
SW8082	AROCLOR-1260	ug/kg	100		33 U	35 U		35 U		37 U
SW8082	AROCLOR-1262	ug/kg	100		33 U	35 U		35 U		37 U
SW8082	AROCLOR-1268	ug/kg	100		33 U	35 U		35 U		37 U
SW8082	PCBS, N.O.S.	ug/kg	100		33 U	35 U		35 U		37 U
SW8151	2,4,5-TP (SILVEX)	ug/kg	3800		3.7 U	3.3 U		3.2 U		3.4 U
SW8260	1,1,1-TRICHLOROETHANE	ug/kg	680	6.4 U			6 U		5.5 U	
SW8260	1,1-DICHLOROETHANE	ug/kg	270	6.4 U			6 U		5.5 U	
SW8260	1,1-DICHLOROETHENE	ug/kg	330	6.4 U			6 U		5.5 U	

		Location	GPIT-SB-017	GPIT-SB-017	GPIT-SB-018	GPIT-SB-018	GPIT-SB-018	GPIT-SB-018	GPIT-SB-018	GPIT-SB-019
		Field Sample ID	GPIT-1671-07	GPIT-1671-08	GPIT-1676-21	GPIT-1676-22	GPIT-1676-23	GPIT-1676-24	GPIT-1675-17	
		Sample Date	5/23/2012	5/23/2012	5/31/2012	5/31/2012	5/31/2012	5/31/2012	5/31/2012	5/30/2012
		Sample Delivery Group	JB7298	JB7298	JB7800	JB7800	JB7800	JB7800	JB7800	JB7723
		Sample Depth	16-17.3 FT	6.7-17.3 FT	0-12 FT	4-8 FT	12-25 FT	16-20 FT	0-3 FT	
		Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	
		Sample Purpose	Regular sample	Regular sample	Field duplicate	Regular sample	Regular sample	Regular sample	Regular sample	
		Sample Type	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	
Method	Parameter Name	Units	NYSDEC_Unrestricted Use SCOs							
SW8260	1,2,4-TRIMETHYLBENZENE	ug/kg	3600	6.4 U			6 U			5.5 U
SW8260	1,2-DICHLOROBENZENE	ug/kg	1100	6.4 U			6 U			5.5 U
SW8260	1,2-DICHLOROETHANE	ug/kg	20	1.3 U			1.2 U			1.1 U
SW8260	1,3,5-TRIMETHYLBENZENE	ug/kg	8400	6.4 U			6 U			5.5 U
SW8260	1,3-DICHLOROBENZENE	ug/kg	2400	6.4 U			6 U			5.5 U
SW8260	1,4-DICHLOROBENZENE	ug/kg	1800	6.4 U			6 U			5.5 U
SW8260	1,4-DIOXANE	ug/kg	100	160 U			150 UJ			140 UJ
SW8260	2-BUTANONE	ug/kg	120	13 U			12 U			11 U
SW8260	ACETONE	ug/kg	50	13 U			12 UJ			11 UJ
SW8260	BENZENE	ug/kg	60	1.3 U			1.2 U			1.1 U
SW8260	BUTYLBENZENE	ug/kg	12000	6.4 U			6 U			5.5 U
SW8260	CARBON TETRACHLORIDE	ug/kg	760	6.4 U			6 U			5.5 U
SW8260	CHLOROBENZENE	ug/kg	1100	6.4 U			6 U			5.5 U
SW8260	CHLOROFORM	ug/kg	370	6.4 U			6 U			5.5 U
SW8260	CIS-1,2-DICHLOROETHENE	ug/kg	250	6.4 U			6 U			5.5 U
SW8260	ETHYLBENZENE	ug/kg	1000	1.3 U			1.2 U			1.1 U
SW8260	METHYL TERT-BUTYL ETHER	ug/kg	930	1.3 U			1.2 U			1.1 U
SW8260	METHYLENE CHLORIDE	ug/kg	50	6.4 U			6 UJ			5.5 UJ
SW8260	N-PROPYLBENZENE	ug/kg	3900	6.4 U			6 U			5.5 U
SW8260	O-XYLENE	ug/kg	260	1.3 U			1.2 U			1.1 U
SW8260	SEC-BUTYLBENZENE	ug/kg	11000	6.4 U			6 U			5.5 U
SW8260	TERT-BUTYLBENZENE	ug/kg	5900	6.4 U			6 U			5.5 U
SW8260	TETRACHLOROETHENE	ug/kg	1300	6.4 U			6 U			5.5 U
SW8260	TOLUENE	ug/kg	700	1.3 U			1.2 U			1.1 U
SW8260	TRANS-1,2-DICHLOROETHENE	ug/kg	190	6.4 U			6 U			5.5 U
SW8260	TRICHLOROETHENE	ug/kg	470	6.4 U			6 U			5.5 U
SW8260	VINYL CHLORIDE	ug/kg	20	6.4 U			6 U			5.5 U
SW8260	XYLENES, M & P	ug/kg	260	1.3 U			1.2 U			1.1 U
SW8260	XYLENES, TOTAL	ug/kg	260	1.3 U			1.2 U			1.1 U
SW8270	2-METHYLPHENOL	ug/kg	330		64 U	61 U		62 U		63 U
SW8270	3&4-METHYLPHENOL	ug/kg	null		64 U	61 U		62 U		63 U
SW8270	ACENAPHTHENE	ug/kg	20000		32 U	30 U		31 U		31 U
SW8270	ACENAPHTHYLENE	ug/kg	100000		32 U	30 U		31 U		31 U
SW8270	ANTHRACENE	ug/kg	100000		32 U	30 U		31 U		31 U
SW8270	BENZO(A)ANTHRACENE	ug/kg	1000		32 U	30 U		31 U		31 U
SW8270	BENZO(A)PYRENE	ug/kg	1000		32 U	30 U		31 U		31 U
SW8270	BENZO(B)FLUORANTHENE	ug/kg	1000		32 U	30 U		31 U		31 U
SW8270	BENZO(G,H,I)PERYLENE	ug/kg	100000		32 U	30 U		31 U		31 U
SW8270	BENZO(K)FLUORANTHENE	ug/kg	800		32 U	30 U		31 U		31 U
SW8270	CHRYSENE	ug/kg	1000		32 U	30 U		31 U		31 U
SW8270	DIBENZO(A,H)ANTHRACENE	ug/kg	330		32 U	30 U		31 U		31 U
SW8270	DIBENZOFURAN	ug/kg	7000		64 U	61 U		62 U		63 U
SW8270	FLUORANTHENE	ug/kg	100000		32 U	30 U		31 U		31 U
SW8270	FLUORENE	ug/kg	30000		32 U	30 U		31 U		31 U
SW8270	HEXAChLOROBENZENE	ug/kg	330		64 U	61 U		62 U		63 U
SW8270	INDENO(1,2,3-CD)PYRENE	ug/kg	500		32 U	30 U		31 U		31 U

		Location	GPIT-SB-017	GPIT-SB-017	GPIT-SB-018	GPIT-SB-018	GPIT-SB-018	GPIT-SB-018	GPIT-SB-018	GPIT-SB-019
	Field Sample ID	GPIT-1671-07	GPIT-1671-08	GPIT-1676-21	GPIT-1676-22	GPIT-1676-23	GPIT-1676-24	GPIT-1675-17		
	Sample Date	5/23/2012	5/23/2012	5/31/2012	5/31/2012	5/31/2012	5/31/2012	5/31/2012	5/30/2012	
	Sample Delivery Group	JB7298	JB7298	JB7800	JB7800	JB7800	JB7800	JB7800	JB7723	
	Sample Depth	16-17.3 FT	6.7-17.3 FT	0-12 FT	4-8 FT	12-25 FT	16-20 FT	0-3 FT		
	Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	
	Sample Purpose	Regular sample	Regular sample	Field duplicate	Regular sample					
	Sample Type	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	
Method	Parameter Name	Units	NYSDEC_Unrestricted Use SCOs							
SW8270	NAPHTHALENE	ug/kg	12000		32 U	30 U		31 U		31 U
SW8270	PENTACHLOROPHENOL	ug/kg	800		320 U	300 U		310 U		310 U
SW8270	PHENANTHRENE	ug/kg	100000		32 U	30 U		31 U		31 U
SW8270	PHENOL	ug/kg	330		64 U	61 U		62 U		63 U
SW8270	PYRENE	ug/kg	100000		32 U	30 U		31 U		31 U
SW9012	CYANIDE	mg/kg	27		0.12 U	0.12 U		0.12 U		0.12 U
SW9045	pH	S.U.	NA		8.68	5.92		8.52		7.55

		Location	GPIT-SB-019	GPIT-SB-019	GPIT-SB-019	GPIT-SB-020	GPIT-SB-020	GPIT-SB-020	GPIT-SB-020
		Field Sample ID	GPIT-1675-18	GPIT-1675-19	GPIT-1675-20	GPIT-1676-17	GPIT-1676-18	GPIT-1676-19	GPIT-1676-20
		Sample Date	5/30/2012	5/30/2012	5/30/2012	5/31/2012	5/31/2012	5/31/2012	5/31/2012
		Sample Delivery Group	JB7723	JB7723	JB7723	JB7800	JB7800	JB7800	JB7800
		Sample Depth	0-3 FT	3-20 FT	12-16 FT	0-12 FT	4-8 FT	12-28 FT	24-28 FT
		Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Sample Purpose	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample
		Sample Type	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring
Method	Parameter Name	Units	NYSDEC_Unrestricted Use SCOs						
ASTM D1498	OXIDATION-REDUCTION POTENTIAL	mv	NA		337		365		348
SM2540G	SOLIDS, PERCENT	%	NA	90.8	82.3	80.1	91.9	93.5	90.1
SW6010	ARSENIC	mg/kg	13		1.6 J		4.2		3.8
SW6010	BARIUM	mg/kg	350		37.4		69		50
SW6010	BERYLLIUM	mg/kg	7.2		0.19 J		0.57		0.41
SW6010	CADMIUM	mg/kg	2.5		0.029 U		0.11 J		0.032 J
SW6010	CHROMIUM	mg/kg	30		6.7		13.2		9
SW6010	CHROMIUM III	mg/kg	30		6.7		12.7		9
SW6010	COPPER	mg/kg	50		11.6		23.8		9.7
SW6010	LEAD	mg/kg	63		1.4 J		8.3		2.2
SW6010	MANGANESE	mg/kg	1600		463 J		1030		529
SW6010	NICKEL	mg/kg	30		9.4		11.7		12.5
SW6010	SELENIUM	mg/kg	3.9		0.28 U		0.25 U		0.26 U
SW6010	SILVER	mg/kg	2		0.13 J		0.44 J		0.31 J
SW6010	ZINC	mg/kg	109		19.2 J		30.1		22.1
SW7196	HEXAVALENT CHROMIUM	mg/Kg	1		0.24 U		0.52 J		0.22 UJ
SW7471	MERCURY	mg/kg	0.18		0.014 U		0.05		0.012 U
SW8081	4,4'-DDD	ug/kg	3.3		0.77 U		0.72 U		0.71 U
SW8081	4,4'-DDE	ug/kg	3.3		0.77 U		0.72 U		0.71 U
SW8081	4,4'-DDT	ug/kg	3.3		0.77 U		0.72 U		0.71 U
SW8081	ALDRIN	ug/kg	5		0.77 U		0.72 U		0.71 U
SW8081	ALPHA-BHC	ug/kg	20		0.77 U		0.72 U		0.71 U
SW8081	ALPHA-CHLORDANE	ug/kg	94		0.77 U		0.72 U		0.71 U
SW8081	BETA-BHC	ug/kg	36		0.77 U		0.72 U		0.71 U
SW8081	DELTA-BHC	ug/kg	40		0.77 U		0.72 U		0.71 U
SW8081	DIELDRIN	ug/kg	5		0.77 U		0.72 U		0.71 U
SW8081	ENDOSULFAN I	ug/kg	2400		0.77 U		0.72 U		0.71 U
SW8081	ENDOSULFAN II	ug/kg	2400		0.77 U		0.72 U		0.71 U
SW8081	ENDOSULFAN SULFATE	ug/kg	2400		0.77 U		0.72 U		0.71 U
SW8081	ENDRIN	ug/kg	14		0.77 U		0.72 U		0.71 U
SW8081	GAMMA-BHC (LINDANE)	ug/kg	100		0.77 U		0.72 U		0.71 U
SW8081	HEPTACHLOR	ug/kg	42		0.77 U		0.72 U		0.71 U
SW8082	AROCLOR-1016	ug/kg	100		40 U		36 U		36 U
SW8082	AROCLOR-1221	ug/kg	100		40 U		36 U		36 U
SW8082	AROCLOR-1232	ug/kg	100		40 U		36 U		36 U
SW8082	AROCLOR-1242	ug/kg	100		40 U		36 U		36 U
SW8082	AROCLOR-1248	ug/kg	100		40 U		36 U		36 U
SW8082	AROCLOR-1254	ug/kg	100		40 U		36 U		36 U
SW8082	AROCLOR-1260	ug/kg	100		40 U		36 U		36 U
SW8082	AROCLOR-1262	ug/kg	100		40 U		36 U		36 U
SW8082	AROCLOR-1268	ug/kg	100		40 U		36 U		36 U
SW8082	PCBS, N.O.S.	ug/kg	100		40 U		36 U		36 U
SW8151	2,4,5-TP (SILVEX)	ug/kg	3800		3.5 U		3.3 U		3.3 U
SW8260	1,1,1-TRICHLOROETHANE	ug/kg	680	5.7 UJ		6 U		5.8 U	5.8 U
SW8260	1,1-DICHLOROETHANE	ug/kg	270	5.7 U		6 U		5.8 U	5.8 U
SW8260	1,1-DICHLOROETHENE	ug/kg	330	5.7 U		6 U		5.8 U	5.8 U

		Location	GPIT-SB-019	GPIT-SB-019	GPIT-SB-019	GPIT-SB-020	GPIT-SB-020	GPIT-SB-020	GPIT-SB-020
		Field Sample ID	GPIT-1675-18	GPIT-1675-19	GPIT-1675-20	GPIT-1676-17	GPIT-1676-18	GPIT-1676-19	GPIT-1676-20
		Sample Date	5/30/2012	5/30/2012	5/30/2012	5/31/2012	5/31/2012	5/31/2012	5/31/2012
		Sample Delivery Group	JB7723	JB7723	JB7723	JB7800	JB7800	JB7800	JB7800
		Sample Depth	0-3 FT	3-20 FT	12-16 FT	0-12 FT	4-8 FT	12-28 FT	24-28 FT
		Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Sample Purpose	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample
		Sample Type	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring
Method	Parameter Name	Units	NYSDEC_Unrestricted Use SCOs						
SW8260	1,2,4-TRIMETHYLBENZENE	ug/kg	3600	5.7 U		0.36 J		5.8 U	
SW8260	1,2-DICHLOROBENZENE	ug/kg	1100	5.7 U		6 U		5.8 U	
SW8260	1,2-DICHLOROETHANE	ug/kg	20	1.1 U		1.2 U		1.2 U	
SW8260	1,3,5-TRIMETHYLBENZENE	ug/kg	8400	5.7 U		6 U		5.8 U	
SW8260	1,3-DICHLOROBENZENE	ug/kg	2400	5.7 U		6 U		5.8 U	
SW8260	1,4-DICHLOROBENZENE	ug/kg	1800	5.7 U		6 U		5.8 U	
SW8260	1,4-DIOXANE	ug/kg	100	140 U		150 U		150 UJ	
SW8260	2-BUTANONE	ug/kg	120	11 U		12 U		12 U	
SW8260	ACETONE	ug/kg	50	11 U		7 J		12 U	
SW8260	BENZENE	ug/kg	60	1.1 U		1.2 U		1.2 U	
SW8260	BUTYLBENZENE	ug/kg	12000	5.7 U		6 U		5.8 U	
SW8260	CARBON TETRACHLORIDE	ug/kg	760	5.7 U		6 U		5.8 U	
SW8260	CHLOROBENZENE	ug/kg	1100	5.7 U		0.21 J		5.8 U	
SW8260	CHLOROFORM	ug/kg	370	5.7 U		6 U		5.8 U	
SW8260	CIS-1,2-DICHLOROETHENE	ug/kg	250	5.7 U		6 U		5.8 U	
SW8260	ETHYLBENZENE	ug/kg	1000	1.1 U		1.2 U		1.2 U	
SW8260	METHYL TERT-BUTYL ETHER	ug/kg	930	1.1 U		1.2 U		1.2 U	
SW8260	METHYLENE CHLORIDE	ug/kg	50	5.7 U		6 U		5.8 UJ	
SW8260	N-PROPYLBENZENE	ug/kg	3900	5.7 U		6 U		5.8 U	
SW8260	O-XYLENE	ug/kg	260	1.1 U		0.35 J		1.2 U	
SW8260	SEC-BUTYLBENZENE	ug/kg	11000	5.7 U		6 U		5.8 U	
SW8260	TERT-BUTYLBENZENE	ug/kg	5900	5.7 U		6 U		5.8 U	
SW8260	TETRACHLOROETHENE	ug/kg	1300	5.7 U		6 U		5.8 U	
SW8260	TOLUENE	ug/kg	700	1.1 U		2.2		1.2 U	
SW8260	TRANS-1,2-DICHLOROETHENE	ug/kg	190	5.7 U		6 U		5.8 U	
SW8260	TRICHLOROETHENE	ug/kg	470	5.7 U		6 U		5.8 U	
SW8260	VINYL CHLORIDE	ug/kg	20	5.7 U		6 U		5.8 U	
SW8260	XYLENES, M & P	ug/kg	260	1.1 U		0.93 J		1.2 U	
SW8260	XYLENES, TOTAL	ug/kg	260	1.1 U		1.3		1.2 U	
SW8270	2-METHYLPHENOL	ug/kg	330		69 U		61 U		62 U
SW8270	3&4-METHYLPHENOL	ug/kg	null		69 U		61 U		62 U
SW8270	ACENAPHTHENE	ug/kg	20000		35 U		30 U		31 U
SW8270	ACENAPHTHYLENE	ug/kg	100000		35 U		30 U		31 U
SW8270	ANTHRACENE	ug/kg	100000		35 U		30 U		31 U
SW8270	BENZO(A)ANTHRACENE	ug/kg	1000		35 U		30 U		31 U
SW8270	BENZO(A)PYRENE	ug/kg	1000		35 U		30 U		31 U
SW8270	BENZO(B)FLUORANTHENE	ug/kg	1000		35 U		30 U		31 U
SW8270	BENZO(G,H,I)PERYLENE	ug/kg	100000		35 U		30 U		31 U
SW8270	BENZO(K)FLUORANTHENE	ug/kg	800		35 U		30 U		31 U
SW8270	CHRYSENE	ug/kg	1000		35 U		30 U		31 U
SW8270	DIBENZO(A,H)ANTHRACENE	ug/kg	330		35 U		30 U		31 U
SW8270	DIBENZOFURAN	ug/kg	7000		69 U		61 U		62 U
SW8270	FLUORANTHENE	ug/kg	100000		35 U		30 U		31 U
SW8270	FLUORENE	ug/kg	30000		35 U		30 U		31 U
SW8270	HEXAChLOROBENZENE	ug/kg	330		69 U		61 U		62 U
SW8270	INDENO(1,2,3-CD)PYRENE	ug/kg	500		35 U		30 U		31 U

## Validated Earthen Material Investigation – Granby Quarry Data

		Location	GPIT-SB-019	GPIT-SB-019	GPIT-SB-019	GPIT-SB-020	GPIT-SB-020	GPIT-SB-020	GPIT-SB-020
	Field Sample ID	GPIT-1675-18	GPIT-1675-19	GPIT-1675-20	GPIT-1676-17	GPIT-1676-18	GPIT-1676-19	GPIT-1676-20	
	Sample Date	5/30/2012	5/30/2012	5/30/2012	5/31/2012	5/31/2012	5/31/2012	5/31/2012	5/31/2012
	Sample Delivery Group	JB7723	JB7723	JB7723	JB7800	JB7800	JB7800	JB7800	JB7800
	Sample Depth	0-3 FT	3-20 FT	12-16 FT	0-12 FT	4-8 FT	12-28 FT	24-28 FT	
	Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Sample Purpose	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample
	Sample Type	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring
Method	Parameter Name	Units	NYSDEC_Unrestricted Use SCOs						
SW8270	NAPHTHALENE	ug/kg	12000		35 U		30 U		31 U
SW8270	PENTACHLOROPHENOL	ug/kg	800		350 U		300 U		310 U
SW8270	PHENANTHRENE	ug/kg	100000		35 U		30 U		31 U
SW8270	PHENOL	ug/kg	330		69 U		61 U		62 U
SW8270	PYRENE	ug/kg	100000		35 U		30 U		31 U
SW9012	CYANIDE	mg/kg	27		0.13 U		0.12 U		0.13 U
SW9045	pH	S.U.	NA		8.36		5.3		8.41

		Location	GPIT-SB-021	GPIT-SB-021	GPIT-SB-021	GPIT-SB-021	GPIT-SB-022	GPIT-SB-022	GPIT-SB-022
		Field Sample ID	GPIT-1675-13	GPIT-1675-14	GPIT-1675-15	GPIT-1675-16	GPIT-1676-01	GPIT-1676-02	GPIT-1676-03
		Sample Date	5/30/2012	5/30/2012	5/30/2012	5/30/2012	5/31/2012	5/31/2012	5/31/2012
		Sample Delivery Group	JB7723	JB7723	JB7723	JB7723	JB7800	JB7800	JB7800
		Sample Depth	0-4 FT	0-4 FT	4-16 FT	12-16 FT	0-3 FT	0-3 FT	3-11 FT
		Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Sample Purpose	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample
		Sample Type	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring
Method	Parameter Name	Units	NYSDEC_Unrestricted Use SCOs						
ASTM D1498	OXIDATION-REDUCTION POTENTIAL	mv	NA	290		282		358	
SM2540G	SOLIDS, PERCENT	%	NA	89.9	92.3	89.6	89.6	91	91.4
SW6010	ARSENIC	mg/kg	13	2.5		2.8		2.2	
SW6010	BARIUM	mg/kg	350	56.6		45.3		49.3	
SW6010	BERYLLIUM	mg/kg	7.2	0.4		0.25		0.39	
SW6010	CADMIUM	mg/kg	2.5	0.094 J		0.03 J		0.1 J	
SW6010	CHROMIUM	mg/kg	30	10.4		7.2		14.1	
SW6010	CHROMIUM III	mg/kg	30	10.4		7.2		14.1	
SW6010	COPPER	mg/kg	50	26.4		12.3		21.2	
SW6010	LEAD	mg/kg	63	2.7		2.4		2.4	
SW6010	MANGANESE	mg/kg	1600	839 J		427 J		788	
SW6010	NICKEL	mg/kg	30	11.3		7.3		12.5	
SW6010	SELENIUM	mg/kg	3.9	0.25 U		0.24 U		0.25 U	
SW6010	SILVER	mg/kg	2	0.36 J		0.063 U		0.34 J	
SW6010	ZINC	mg/kg	109	28.3 J		17 J		28.1	
SW7196	HEXAVALENT CHROMIUM	mg/Kg	1	0.22 U		0.22 U		0.21 UJ	
SW7471	MERCURY	mg/kg	0.18	0.014 U		0.014 U		0.013 U	
SW8081	4,4'-DDD	ug/kg	3.3	0.72 U		0.73 U		0.73 U	
SW8081	4,4'-DDE	ug/kg	3.3	0.72 U		0.73 U		0.73 U	
SW8081	4,4'-DDT	ug/kg	3.3	0.72 U		0.73 U		0.73 U	
SW8081	ALDRIN	ug/kg	5	0.72 U		0.73 U		0.73 U	
SW8081	ALPHA-BHC	ug/kg	20	0.72 U		0.73 U		0.73 U	
SW8081	ALPHA-CHLORDANE	ug/kg	94	0.72 U		0.73 U		0.73 U	
SW8081	BETA-BHC	ug/kg	36	0.72 U		0.73 U		0.73 U	
SW8081	DELTA-BHC	ug/kg	40	0.72 U		0.73 U		0.73 U	
SW8081	DIELDRIN	ug/kg	5	0.72 U		0.73 U		0.73 U	
SW8081	ENDOSULFAN I	ug/kg	2400	0.72 U		0.73 U		0.73 U	
SW8081	ENDOSULFAN II	ug/kg	2400	0.72 U		0.73 U		0.73 U	
SW8081	ENDOSULFAN SULFATE	ug/kg	2400	0.72 U		0.73 U		0.73 U	
SW8081	ENDRIN	ug/kg	14	0.72 U		0.73 U		0.73 U	
SW8081	GAMMA-BHC (LINDANE)	ug/kg	100	0.72 U		0.73 U		0.73 U	
SW8081	HEPTACHLOR	ug/kg	42	0.72 U		0.73 U		0.73 U	
SW8082	AROCLOR-1016	ug/kg	100	36 U		36 U		36 U	
SW8082	AROCLOR-1221	ug/kg	100	36 U		36 U		36 U	
SW8082	AROCLOR-1232	ug/kg	100	36 U		36 U		36 U	
SW8082	AROCLOR-1242	ug/kg	100	36 U		36 U		36 U	
SW8082	AROCLOR-1248	ug/kg	100	36 U		36 U		36 U	
SW8082	AROCLOR-1254	ug/kg	100	36 U		36 U		36 U	
SW8082	AROCLOR-1260	ug/kg	100	36 U		36 U		36 U	
SW8082	AROCLOR-1262	ug/kg	100	36 U		36 U		36 U	
SW8082	AROCLOR-1268	ug/kg	100	36 U		36 U		36 U	
SW8082	PCBS, N.O.S.	ug/kg	100	36 U		36 U		36 U	
SW8151	2,4,5-TP (SILVEX)	ug/kg	3800	3.3 U		3.3 U		3.2 U	
SW8260	1,1,1-TRICHLOROETHANE	ug/kg	680		5.6 U		5.5 U		5.7 U
SW8260	1,1-DICHLOROETHANE	ug/kg	270		5.6 U		5.5 U		5.7 U
SW8260	1,1-DICHLOROETHENE	ug/kg	330		5.6 U		5.5 U		5.7 U

		Location	GPIT-SB-021	GPIT-SB-021	GPIT-SB-021	GPIT-SB-021	GPIT-SB-022	GPIT-SB-022	GPIT-SB-022
		Field Sample ID	GPIT-1675-13	GPIT-1675-14	GPIT-1675-15	GPIT-1675-16	GPIT-1676-01	GPIT-1676-02	GPIT-1676-03
		Sample Date	5/30/2012	5/30/2012	5/30/2012	5/30/2012	5/31/2012	5/31/2012	5/31/2012
		Sample Delivery Group	JB7723	JB7723	JB7723	JB7723	JB7800	JB7800	JB7800
		Sample Depth	0-4 FT	0-4 FT	4-16 FT	12-16 FT	0-3 FT	0-3 FT	3-11 FT
		Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Sample Purpose	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample
		Sample Type	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring
Method	Parameter Name	Units	NYSDEC_Unrestricted Use SCOs						
SW8260	1,2,4-TRIMETHYLBENZENE	ug/kg	3600		5.6 U		5.5 U		5.7 U
SW8260	1,2-DICHLOROBENZENE	ug/kg	1100		5.6 U		5.5 U		5.7 U
SW8260	1,2-DICHLOROETHANE	ug/kg	20		1.1 U		1.1 U		1.1 U
SW8260	1,3,5-TRIMETHYLBENZENE	ug/kg	8400		5.6 U		5.5 U		5.7 U
SW8260	1,3-DICHLOROBENZENE	ug/kg	2400		5.6 U		5.5 U		5.7 U
SW8260	1,4-DICHLOROBENZENE	ug/kg	1800		5.6 U		5.5 U		5.7 U
SW8260	1,4-DIOXANE	ug/kg	100		140 U		140 U		140 UJ
SW8260	2-BUTANONE	ug/kg	120		11 U		11 U		11 U
SW8260	ACETONE	ug/kg	50		11 U		11 U		34.6
SW8260	BENZENE	ug/kg	60		1.1 U		1.1 U		1.1 U
SW8260	BUTYLBENZENE	ug/kg	12000		5.6 U		5.5 U		5.7 U
SW8260	CARBON TETRACHLORIDE	ug/kg	760		5.6 U		5.5 U		5.7 U
SW8260	CHLOROBENZENE	ug/kg	1100		5.6 U		5.5 U		5.7 U
SW8260	CHLOROFORM	ug/kg	370		5.6 U		5.5 U		5.7 U
SW8260	CIS-1,2-DICHLOROETHENE	ug/kg	250		5.6 U		5.5 U		5.7 U
SW8260	ETHYLBENZENE	ug/kg	1000		1.1 U		1.1 U		1.1 U
SW8260	METHYL TERT-BUTYL ETHER	ug/kg	930		1.1 U		1.1 U		1.1 U
SW8260	METHYLENE CHLORIDE	ug/kg	50		5.6 U		5.5 U		2.5 U
SW8260	N-PROPYLBENZENE	ug/kg	3900		5.6 U		5.5 U		5.7 U
SW8260	O-XYLENE	ug/kg	260		1.1 U		1.1 U		1.1 U
SW8260	SEC-BUTYLBENZENE	ug/kg	11000		5.6 U		5.5 U		5.7 U
SW8260	TERT-BUTYLBENZENE	ug/kg	5900		5.6 U		5.5 U		5.7 U
SW8260	TETRACHLOROETHENE	ug/kg	1300		5.6 U		5.5 U		5.7 U
SW8260	TOLUENE	ug/kg	700		0.91 J		1.6		1.1 U
SW8260	TRANS-1,2-DICHLOROETHENE	ug/kg	190		5.6 U		5.5 U		5.7 U
SW8260	TRICHLOROETHENE	ug/kg	470		5.6 U		5.5 U		5.7 U
SW8260	VINYL CHLORIDE	ug/kg	20		5.6 U		5.5 U		5.7 U
SW8260	XYLENES, M & P	ug/kg	260		1.1 U		0.78 J		1.1 U
SW8260	XYLENES, TOTAL	ug/kg	260		1.1 U		0.78 J		1.1 U
SW8270	2-METHYLPHENOL	ug/kg	330	63 U		63 U		62 U	64 U
SW8270	3&4-METHYLPHENOL	ug/kg	null	63 U		63 U		62 U	64 U
SW8270	ACENAPHTHENE	ug/kg	20000	32 U		31 U		31 U	32 U
SW8270	ACENAPHTHYLENE	ug/kg	100000	32 U		31 U		31 U	32 U
SW8270	ANTHRACENE	ug/kg	100000	32 U		31 U		31 U	32 U
SW8270	BENZO(A)ANTHRACENE	ug/kg	1000	32 U		31 U		31 U	32 U
SW8270	BENZO(A)PYRENE	ug/kg	1000	32 U		31 U		31 U	32 U
SW8270	BENZO(B)FLUORANTHENE	ug/kg	1000	32 U		31 U		31 U	32 U
SW8270	BENZO(G,H,I)PERYLENE	ug/kg	100000	32 U		31 U		31 U	32 U
SW8270	BENZO(K)FLUORANTHENE	ug/kg	800	32 U		31 U		31 U	32 U
SW8270	CHRYSENE	ug/kg	1000	32 U		31 U		31 U	32 U
SW8270	DIBENZO(A,H)ANTHRACENE	ug/kg	330	32 U		31 U		31 U	32 U
SW8270	DIBENZOFURAN	ug/kg	7000	63 U		63 U		62 U	64 U
SW8270	FLUORANTHENE	ug/kg	100000	32 U		31 U		31 U	32 U
SW8270	FLUORENE	ug/kg	30000	32 U		31 U		31 U	32 U
SW8270	HEXACHLOROBENZENE	ug/kg	330	63 U		63 U		62 U	64 U
SW8270	INDENO(1,2,3-CD)PYRENE	ug/kg	500	32 U		31 U		31 U	32 U

		Location	GPIT-SB-021	GPIT-SB-021	GPIT-SB-021	GPIT-SB-021	GPIT-SB-022	GPIT-SB-022	GPIT-SB-022
	Field Sample ID	GPIT-1675-13	GPIT-1675-14	GPIT-1675-15	GPIT-1675-16	GPIT-1676-01	GPIT-1676-02	GPIT-1676-03	
	Sample Date	5/30/2012	5/30/2012	5/30/2012	5/30/2012	5/31/2012	5/31/2012	5/31/2012	
	Sample Delivery Group	JB7723	JB7723	JB7723	JB7723	JB7800	JB7800	JB7800	
	Sample Depth	0-4 FT	0-4 FT	4-16 FT	12-16 FT	0-3 FT	0-3 FT	3-11 FT	
	Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	
	Sample Purpose	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	
	Sample Type	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	
Method	Parameter Name	Units	NYSDEC_Unrestricted Use SCOs						
SW8270	NAPHTHALENE	ug/kg	12000	32 U		31 U		31 U	
SW8270	PENTACHLOROPHENOL	ug/kg	800	320 U		310 U		310 U	
SW8270	PHENANTHRENE	ug/kg	100000	32 U		31 U		31 U	
SW8270	PHENOL	ug/kg	330	63 U		63 U		62 U	
SW8270	PYRENE	ug/kg	100000	32 U		31 U		31 U	
SW9012	CYANIDE	mg/kg	27	0.12 U		0.12 U		0.12 U	
SW9045	pH	S.U.	NA	8.15		8.72		7.43	
									8.15

		Location	GPIT-SB-022	GPIT-SB-023	GPIT-SB-023	GPIT-SB-023	GPIT-SB-023	GPIT-SB-024	GPIT-SB-024
		Field Sample ID	GPIT-1676-04	GPIT-1676-05	GPIT-1676-06	GPIT-1676-07	GPIT-1676-08	GPIT-1676-09	GPIT-1676-10
		Sample Date	5/31/2012	5/31/2012	5/31/2012	5/31/2012	5/31/2012	5/31/2012	5/31/2012
		Sample Delivery Group	JB7800	JB7800	JB7800	JB7800	JB7800	JB7800	JB7800
		Sample Depth	8-12 FT	0-3 FT	0-3 FT	3-12 FT	8-12 FT	0-4 FT	0-4 FT
		Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Sample Purpose	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample
		Sample Type	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring
Method	Parameter Name	Units	NYSDEC_Unrestricted Use SCOs						
ASTM D1498	OXIDATION-REDUCTION POTENTIAL	mv	NA		381		400		431
SM2540G	SOLIDS, PERCENT	%	NA	87.2	92	88.1	85.4	86	93.3
SW6010	ARSENIC	mg/kg	13		2.3		2.6		2.7
SW6010	BARIUM	mg/kg	350		31.1		101		35.8
SW6010	BERYLLIUM	mg/kg	7.2		0.34		0.47		0.39
SW6010	CADMIUM	mg/kg	2.5		0.07 J		0.096 J		0.11 J
SW6010	CHROMIUM	mg/kg	30		7		8.1		10.5
SW6010	CHROMIUM III	mg/kg	30		6.7		7.8		10.2
SW6010	COPPER	mg/kg	50		19.5		24		18.1
SW6010	LEAD	mg/kg	63		2.9		2.9		2.9
SW6010	MANGANESE	mg/kg	1600		667		1400		634
SW6010	NICKEL	mg/kg	30		8.2		9.2		10.5
SW6010	SELENIUM	mg/kg	3.9		0.28 U		0.25 U		0.27 U
SW6010	SILVER	mg/kg	2		0.29 J		0.47 J		0.3 J
SW6010	ZINC	mg/kg	109		21.1		22.1		23.5
SW7196	HEXAVALENT CHROMIUM	mg/Kg	1		0.34 J		0.27 J		0.3 J
SW7471	MERCURY	mg/kg	0.18		0.013 U		0.014 U		0.018 J
SW8081	4,4'-DDD	ug/kg	3.3		0.71 U		0.78 U		0.71 U
SW8081	4,4'-DDE	ug/kg	3.3		0.71 U		0.78 U		0.71 U
SW8081	4,4'-DDT	ug/kg	3.3		0.71 U		0.78 U		0.71 U
SW8081	ALDRIN	ug/kg	5		0.71 U		0.78 U		0.71 U
SW8081	ALPHA-BHC	ug/kg	20		0.71 U		0.78 U		0.71 U
SW8081	ALPHA-CHLORDANE	ug/kg	94		0.71 U		0.78 U		0.71 U
SW8081	BETA-BHC	ug/kg	36		0.71 U		0.78 U		0.71 U
SW8081	DELTA-BHC	ug/kg	40		0.71 U		0.78 U		0.71 U
SW8081	DIELDRIN	ug/kg	5		0.71 U		0.78 U		0.71 U
SW8081	ENDOSULFAN I	ug/kg	2400		0.71 U		0.78 U		0.71 U
SW8081	ENDOSULFAN II	ug/kg	2400		0.71 U		0.78 U		0.71 U
SW8081	ENDOSULFAN SULFATE	ug/kg	2400		0.71 U		0.78 U		0.71 U
SW8081	ENDRIN	ug/kg	14		0.71 U		0.78 U		0.71 U
SW8081	GAMMA-BHC (LINDANE)	ug/kg	100		0.71 U		0.78 U		0.71 U
SW8081	HEPTACHLOR	ug/kg	42		0.71 U		0.78 U		0.71 U
SW8082	AROCLOR-1016	ug/kg	100		36 U		39 U		36 U
SW8082	AROCLOR-1221	ug/kg	100		36 U		39 U		36 U
SW8082	AROCLOR-1232	ug/kg	100		36 U		39 U		36 U
SW8082	AROCLOR-1242	ug/kg	100		36 U		39 U		36 U
SW8082	AROCLOR-1248	ug/kg	100		36 U		39 U		36 U
SW8082	AROCLOR-1254	ug/kg	100		36 U		39 U		36 U
SW8082	AROCLOR-1260	ug/kg	100		36 U		39 U		36 U
SW8082	AROCLOR-1262	ug/kg	100		36 U		39 U		36 U
SW8082	AROCLOR-1268	ug/kg	100		36 U		39 U		36 U
SW8082	PCBS, N.O.S.	ug/kg	100		36 U		39 U		36 U
SW8151	2,4,5-TP (SILVEX)	ug/kg	3800		3.5 U		3.5 U		3.1 U
SW8260	1,1,1-TRICHLOROETHANE	ug/kg	680	6.5 U		5.7 U		6.5 U	6.1 U
SW8260	1,1-DICHLOROETHANE	ug/kg	270	6.5 U		5.7 U		6.5 U	6.1 U
SW8260	1,1-DICHLOROETHENE	ug/kg	330	6.5 U		5.7 U		6.5 U	6.1 U

		Location	GPIT-SB-022	GPIT-SB-023	GPIT-SB-023	GPIT-SB-023	GPIT-SB-023	GPIT-SB-024	GPIT-SB-024
		Field Sample ID	GPIT-1676-04	GPIT-1676-05	GPIT-1676-06	GPIT-1676-07	GPIT-1676-08	GPIT-1676-09	GPIT-1676-10
		Sample Date	5/31/2012	5/31/2012	5/31/2012	5/31/2012	5/31/2012	5/31/2012	5/31/2012
		Sample Delivery Group	JB7800	JB7800	JB7800	JB7800	JB7800	JB7800	JB7800
		Sample Depth	8-12 FT	0-3 FT	0-3 FT	3-12 FT	8-12 FT	0-4 FT	0-4 FT
		Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Sample Purpose	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample
		Sample Type	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring
Method	Parameter Name	Units	NYSDEC_Unrestricted Use SCOs						
SW8260	1,2,4-TRIMETHYLBENZENE	ug/kg	3600	6.5 U		5.7 U		6.5 U	6.1 U
SW8260	1,2-DICHLOROBENZENE	ug/kg	1100	6.5 U		5.7 U		6.5 U	6.1 U
SW8260	1,2-DICHLOROETHANE	ug/kg	20	1.3 U		1.1 U		1.3 U	1.2 U
SW8260	1,3,5-TRIMETHYLBENZENE	ug/kg	8400	6.5 U		5.7 U		6.5 U	6.1 U
SW8260	1,3-DICHLOROBENZENE	ug/kg	2400	6.5 U		5.7 U		6.5 U	6.1 U
SW8260	1,4-DICHLOROBENZENE	ug/kg	1800	6.5 U		5.7 U		6.5 U	6.1 U
SW8260	1,4-DIOXANE	ug/kg	100	160 UJ		140 UJ		160 UJ	150 UJ
SW8260	2-BUTANONE	ug/kg	120	13 U		11 U		13 U	12 U
SW8260	ACETONE	ug/kg	50	13 U		11 U		13 U	12 U
SW8260	BENZENE	ug/kg	60	1.3 U		1.1 U		1.3 U	1.2 U
SW8260	BUTYLBENZENE	ug/kg	12000	6.5 U		5.7 U		6.5 U	6.1 U
SW8260	CARBON TETRACHLORIDE	ug/kg	760	6.5 U		5.7 U		6.5 U	6.1 U
SW8260	CHLOROBENZENE	ug/kg	1100	6.5 U		5.7 U		6.5 U	6.1 U
SW8260	CHLOROFORM	ug/kg	370	6.5 U		5.7 U		6.5 U	6.1 U
SW8260	CIS-1,2-DICHLOROETHENE	ug/kg	250	6.5 U		5.7 U		6.5 U	6.1 U
SW8260	ETHYLBENZENE	ug/kg	1000	1.3 U		1.1 U		1.3 U	1.2 U
SW8260	METHYL TERT-BUTYL ETHER	ug/kg	930	1.3 U		1.1 U		1.3 U	1.2 U
SW8260	METHYLENE CHLORIDE	ug/kg	50	6.5 UJ		5.7 UJ		6.5 UJ	6.1 UJ
SW8260	N-PROPYLBENZENE	ug/kg	3900	6.5 U		5.7 U		6.5 U	6.1 U
SW8260	O-XYLENE	ug/kg	260	1.3 U		1.1 U		1.3 U	1.2 U
SW8260	SEC-BUTYLBENZENE	ug/kg	11000	6.5 U		5.7 U		6.5 U	6.1 U
SW8260	TERT-BUTYLBENZENE	ug/kg	5900	6.5 U		5.7 U		6.5 U	6.1 U
SW8260	TETRACHLOROETHENE	ug/kg	1300	6.5 U		5.7 U		6.5 U	6.1 U
SW8260	TOLUENE	ug/kg	700	1.3 U		1.1 U		1.3 U	1.2 U
SW8260	TRANS-1,2-DICHLOROETHENE	ug/kg	190	6.5 U		5.7 U		6.5 U	6.1 U
SW8260	TRICHLOROETHENE	ug/kg	470	6.5 U		5.7 U		6.5 U	6.1 U
SW8260	VINYL CHLORIDE	ug/kg	20	6.5 U		5.7 U		6.5 U	6.1 U
SW8260	XYLENES, M & P	ug/kg	260	1.3 U		1.1 U		1.3 U	1.2 U
SW8260	XYLENES, TOTAL	ug/kg	260	1.3 U		1.1 U		1.3 U	1.2 U
SW8270	2-METHYLPHENOL	ug/kg	330		62 U		66 U		61 U
SW8270	3&4-METHYLPHENOL	ug/kg	null		62 U		66 U		61 U
SW8270	ACENAPHTHENE	ug/kg	20000		31 U		33 U		31 U
SW8270	ACENAPHTHYLENE	ug/kg	100000		31 U		33 U		31 U
SW8270	ANTHRACENE	ug/kg	100000		31 U		33 U		31 U
SW8270	BENZO(A)ANTHRACENE	ug/kg	1000		31 U		33 U		31 U
SW8270	BENZO(A)PYRENE	ug/kg	1000		31 U		33 U		31 U
SW8270	BENZO(B)FLUORANTHENE	ug/kg	1000		31 U		33 U		31 U
SW8270	BENZO(G,H,I)PERYLENE	ug/kg	100000		31 U		33 U		31 U
SW8270	BENZO(K)FLUORANTHENE	ug/kg	800		31 U		33 U		31 U
SW8270	CHRYSENE	ug/kg	1000		31 U		33 U		31 U
SW8270	DIBENZO(A,H)ANTHRACENE	ug/kg	330		31 U		33 U		31 U
SW8270	DIBENZOFURAN	ug/kg	7000		62 U		66 U		61 U
SW8270	FLUORANTHENE	ug/kg	100000		31 U		33 U		31 U
SW8270	FLUORENE	ug/kg	30000		31 U		33 U		31 U
SW8270	HEXACHLOROBENZENE	ug/kg	330		62 U		66 U		61 U
SW8270	INDENO(1,2,3-CD)PYRENE	ug/kg	500		31 U		33 U		31 U

## Validated Earthen Material Investigation – Granby Quarry Data

		Location	GPIT-SB-022	GPIT-SB-023	GPIT-SB-023	GPIT-SB-023	GPIT-SB-023	GPIT-SB-024	GPIT-SB-024
	Field Sample ID	GPIT-1676-04	GPIT-1676-05	GPIT-1676-06	GPIT-1676-07	GPIT-1676-08	GPIT-1676-09	GPIT-1676-10	
	Sample Date	5/31/2012	5/31/2012	5/31/2012	5/31/2012	5/31/2012	5/31/2012	5/31/2012	
	Sample Delivery Group	JB7800	JB7800	JB7800	JB7800	JB7800	JB7800	JB7800	
	Sample Depth	8-12 FT	0-3 FT	0-3 FT	3-12 FT	8-12 FT	0-4 FT	0-4 FT	
	Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	
	Sample Purpose	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	
	Sample Type	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	
Method	Parameter Name	Units	NYSDEC_Unrestricted Use SCOs						
SW8270	NAPHTHALENE	ug/kg	12000		31 U		33 U		31 U
SW8270	PENTACHLOROPHENOL	ug/kg	800		310 U		330 U		310 U
SW8270	PHENANTHRENE	ug/kg	100000		31 U		33 U		31 U
SW8270	PHENOL	ug/kg	330		62 U		66 U		61 U
SW8270	PYRENE	ug/kg	100000		31 U		33 U		31 U
SW9012	CYANIDE	mg/kg	27		0.12 U		0.12 U		0.12 U
SW9045	pH	S.U.	NA		6.4		7.9		5.97

		Location	GPIT-SB-024	GPIT-SB-024	GPIT-SB-025	GPIT-SB-025	GPIT-SB-025	GPIT-SB-025
	Field Sample ID	GPIT-1676-11	GPIT-1676-12	GPIT-1676-13	GPIT-1676-14	GPIT-1676-15	GPIT-1676-16	
	Sample Date	5/31/2012	5/31/2012	5/31/2012	5/31/2012	5/31/2012	5/31/2012	5/31/2012
	Sample Delivery Group	JB7800	JB7800	JB7800	JB7800	JB7800	JB7800	JB7800
	Sample Depth	4-20 FT	16-20 FT	0-4 FT	0-4 FT	4-20 FT	12-16 FT	
	Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Sample Purpose	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample
	Sample Type	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring
Method	Parameter Name	Units	NYSDEC_Unrestricted Use SCOs					
ASTM D1498	OXIDATION-REDUCTION POTENTIAL	mv	NA	337	411		393	
SM2540G	SOLIDS, PERCENT	%	NA	88.5	86.8	90.4	82.9	84.7
SW6010	ARSENIC	mg/kg	13	1.2 J	3.7		2.6	
SW6010	BARIUM	mg/kg	350	26.3		36.9		29.3
SW6010	BERYLLIUM	mg/kg	7.2	0.24		0.46		0.38
SW6010	CADMIUM	mg/kg	2.5	0.049 J	0.12 J		0.088 J	
SW6010	CHROMIUM	mg/kg	30	6.1		10.9		9.7
SW6010	CHROMIUM III	mg/kg	30	5.7		10.6		9.7
SW6010	COPPER	mg/kg	50	9.1		21.2		18.1
SW6010	LEAD	mg/kg	63	2.1 J	4		3.2	
SW6010	MANGANESE	mg/kg	1600	266	836		499	
SW6010	NICKEL	mg/kg	30	5.9	11.3		11.2	
SW6010	SELENIUM	mg/kg	3.9	0.29 U	0.26 U		0.26 U	
SW6010	SILVER	mg/kg	2	0.075 U	0.37 J		0.23 J	
SW6010	ZINC	mg/kg	109	18	26.1		30.4	
SW7196	HEXAVALENT CHROMIUM	mg/Kg	1	0.42 J	0.35 J		0.23 UJ	
SW7471	MERCURY	mg/kg	0.18	0.013 U	0.021 J		0.014 U	
SW8081	4,4'-DDD	ug/kg	3.3	0.75 U	0.72 U		0.76 U	
SW8081	4,4'-DDE	ug/kg	3.3	0.75 U	0.72 U		0.76 U	
SW8081	4,4'-DDT	ug/kg	3.3	0.75 U	0.72 U		0.76 U	
SW8081	ALDRIN	ug/kg	5	0.75 U	0.72 U		0.76 U	
SW8081	ALPHA-BHC	ug/kg	20	0.75 U	0.72 U		0.76 U	
SW8081	ALPHA-CHLORDANE	ug/kg	94	0.75 U	0.72 U		0.76 U	
SW8081	BETA-BHC	ug/kg	36	0.75 U	0.72 U		0.76 U	
SW8081	DELTA-BHC	ug/kg	40	0.75 U	0.72 U		0.76 U	
SW8081	DIELDRIN	ug/kg	5	0.75 U	0.72 U		0.76 U	
SW8081	ENDOSULFAN I	ug/kg	2400	0.75 U	0.72 U		0.76 U	
SW8081	ENDOSULFAN II	ug/kg	2400	0.75 U	0.72 U		0.76 U	
SW8081	ENDOSULFAN SULFATE	ug/kg	2400	0.75 U	0.72 U		0.76 U	
SW8081	ENDRIN	ug/kg	14	0.75 U	0.72 U		0.76 U	
SW8081	GAMMA-BHC (LINDANE)	ug/kg	100	0.75 U	0.72 U		0.76 U	
SW8081	HEPTACHLOR	ug/kg	42	0.75 U	0.72 U		0.76 U	
SW8082	AROCLOR-1016	ug/kg	100	37 U	37 U		39 U	
SW8082	AROCLOR-1221	ug/kg	100	37 U	37 U		39 U	
SW8082	AROCLOR-1232	ug/kg	100	37 U	37 U		39 U	
SW8082	AROCLOR-1242	ug/kg	100	37 U	37 U		39 U	
SW8082	AROCLOR-1248	ug/kg	100	37 U	37 U		39 U	
SW8082	AROCLOR-1254	ug/kg	100	37 U	37 U		39 U	
SW8082	AROCLOR-1260	ug/kg	100	37 U	37 U		39 U	
SW8082	AROCLOR-1262	ug/kg	100	37 U	37 U		39 U	
SW8082	AROCLOR-1268	ug/kg	100	37 U	37 U		39 U	
SW8082	PCBS, N.O.S.	ug/kg	100	37 U	37 U		39 U	
SW8151	2,4,5-TP (SILVEX)	ug/kg	3800	3.3 U	3.2 U		3.4 U	
SW8260	1,1,1-TRICHLOROETHANE	ug/kg	680		6.1 U		7 U	
SW8260	1,1-DICHLOROETHANE	ug/kg	270		6.1 U		7 U	
SW8260	1,1-DICHLOROETHENE	ug/kg	330		6.1 U		7 U	

		Location	GPIT-SB-024	GPIT-SB-024	GPIT-SB-025	GPIT-SB-025	GPIT-SB-025	GPIT-SB-025
	Field Sample ID	GPIT-1676-11	GPIT-1676-12	GPIT-1676-13	GPIT-1676-14	GPIT-1676-15	GPIT-1676-16	
	Sample Date	5/31/2012	5/31/2012	5/31/2012	5/31/2012	5/31/2012	5/31/2012	5/31/2012
	Sample Delivery Group	JB7800	JB7800	JB7800	JB7800	JB7800	JB7800	JB7800
	Sample Depth	4-20 FT	16-20 FT	0-4 FT	0-4 FT	4-20 FT	12-16 FT	
	Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	
	Sample Purpose	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	
	Sample Type	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	
Method	Parameter Name	Units	NYSDEC_Unrestricted Use SCOs					
SW8260	1,2,4-TRIMETHYLBENZENE	ug/kg	3600		6.1 U			6.1 U
SW8260	1,2-DICHLOROBENZENE	ug/kg	1100		6.1 U			6.1 U
SW8260	1,2-DICHLOROETHANE	ug/kg	20		1.2 U		1.4 U	1.2 U
SW8260	1,3,5-TRIMETHYLBENZENE	ug/kg	8400		6.1 U		7 U	6.1 U
SW8260	1,3-DICHLOROBENZENE	ug/kg	2400		6.1 U		7 U	6.1 U
SW8260	1,4-DICHLOROBENZENE	ug/kg	1800		6.1 U		7 U	6.1 U
SW8260	1,4-DIOXANE	ug/kg	100		150 UJ		180 UJ	150 UJ
SW8260	2-BUTANONE	ug/kg	120		12 U		14 U	12 U
SW8260	ACETONE	ug/kg	50		12 U		14 U	12 U
SW8260	BENZENE	ug/kg	60		1.2 U		1.4 U	1.2 U
SW8260	BUTYLBENZENE	ug/kg	12000		6.1 U		7 U	6.1 U
SW8260	CARBON TETRACHLORIDE	ug/kg	760		6.1 U		7 U	6.1 U
SW8260	CHLOROBENZENE	ug/kg	1100		6.1 U		7 U	6.1 U
SW8260	CHLOROFORM	ug/kg	370		6.1 U		7 U	6.1 U
SW8260	CIS-1,2-DICHLOROETHENE	ug/kg	250		6.1 U		7 U	6.1 U
SW8260	ETHYLBENZENE	ug/kg	1000		1.2 U		1.4 U	1.2 U
SW8260	METHYL TERT-BUTYL ETHER	ug/kg	930		1.2 U		1.4 U	1.2 U
SW8260	METHYLENE CHLORIDE	ug/kg	50		6.1 UU		7 UU	6.1 UU
SW8260	N-PROPYLBENZENE	ug/kg	3900		6.1 U		7 U	6.1 U
SW8260	O-XYLENE	ug/kg	260		1.2 U		1.4 U	1.2 U
SW8260	SEC-BUTYLBENZENE	ug/kg	11000		6.1 U		7 U	6.1 U
SW8260	TERT-BUTYLBENZENE	ug/kg	5900		6.1 U		7 U	6.1 U
SW8260	TETRACHLOROETHENE	ug/kg	1300		6.1 U		7 U	6.1 U
SW8260	TOLUENE	ug/kg	700		1.2 U		1.4 U	1.2 U
SW8260	TRANS-1,2-DICHLOROETHENE	ug/kg	190		6.1 U		7 U	6.1 U
SW8260	TRICHLOROETHENE	ug/kg	470		6.1 U		7 U	6.1 U
SW8260	VINYL CHLORIDE	ug/kg	20		6.1 U		7 U	6.1 U
SW8260	XYLENES, M & P	ug/kg	260		1.2 U		1.4 U	1.2 U
SW8260	XYLENES, TOTAL	ug/kg	260		1.2 U		1.4 U	1.2 U
SW8270	2-METHYLPHENOL	ug/kg	330	64 U		62 U		67 U
SW8270	3&4-METHYLPHENOL	ug/kg	null	64 U		62 U		67 U
SW8270	ACENAPHTHENE	ug/kg	20000	32 U		31 U		34 U
SW8270	ACENAPHTHYLENE	ug/kg	100000	32 U		31 U		34 U
SW8270	ANTHRACENE	ug/kg	100000	32 U		31 U		34 U
SW8270	BENZO(A)ANTHRACENE	ug/kg	1000	32 U		31 U		34 U
SW8270	BENZO(A)PYRENE	ug/kg	1000	32 U		31 U		34 U
SW8270	BENZO(B)FLUORANTHENE	ug/kg	1000	32 U		31 U		34 U
SW8270	BENZO(G,H,I)PERYLENE	ug/kg	100000	32 U		31 U		34 U
SW8270	BENZO(K)FLUORANTHENE	ug/kg	800	32 U		31 U		34 U
SW8270	CHRYSENE	ug/kg	1000	32 U		31 U		34 U
SW8270	DIBENZO(A,H)ANTHRACENE	ug/kg	330	32 U		31 U		34 U
SW8270	DIBENZOFURAN	ug/kg	7000	64 U		62 U		67 U
SW8270	FLUORANTHENE	ug/kg	100000	32 U		31 U		34 U
SW8270	FLUORENE	ug/kg	30000	32 U		31 U		34 U
SW8270	HEXAChLOROBENZENE	ug/kg	330	64 U		62 U		67 U
SW8270	INDENO(1,2,3-CD)PYRENE	ug/kg	500	32 U		31 U		34 U

## Validated Earthen Material Investigation – Granby Quarry Data

		Location	GPIT-SB-024	GPIT-SB-024	GPIT-SB-025	GPIT-SB-025	GPIT-SB-025	GPIT-SB-025
	Field Sample ID	GPIT-1676-11	GPIT-1676-12	GPIT-1676-13	GPIT-1676-14	GPIT-1676-15	GPIT-1676-16	
	Sample Date	5/31/2012	5/31/2012	5/31/2012	5/31/2012	5/31/2012	5/31/2012	5/31/2012
	Sample Delivery Group	JB7800	JB7800	JB7800	JB7800	JB7800	JB7800	JB7800
	Sample Depth	4-20 FT	16-20 FT	0-4 FT	0-4 FT	4-20 FT	12-16 FT	
	Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	
	Sample Purpose	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	
	Sample Type	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	Soil boring	
Method	Parameter Name	Units	NYSDEC_Unrestricted Use SCOs					
SW8270	NAPHTHALENE	ug/kg	12000	32 U	31 U		34 U	
SW8270	PENTACHLOROPHENOL	ug/kg	800	320 U	310 U		340 U	
SW8270	PHENANTHRENE	ug/kg	100000	32 U	31 U		34 U	
SW8270	PHENOL	ug/kg	330	64 U	62 U		67 U	
SW8270	PYRENE	ug/kg	100000	32 U	31 U		34 U	
SW9012	CYANIDE	mg/kg	27	0.12 U	0.12 U		0.13 U	
SW9045	pH	S.U.	NA	7.91	5.78		6.67	