# Syracuse Housing Authority

## Site Investigation and Remedial Alternatives Report Work Plan

**McKinney Burt Street Site**
**Site Code E734086**
**City of Syracuse**
**Onondaga County, New York**

November 2011

Dvirka and Bartilucci Consulting Engineers
A Division of D&B Engineers and Architects, P.C.

# SITE INVESTIGATION REPORT

**McKINNEY PROPERTY SITE**
**CITY OF SYRACUSE, ONONDAGA COUNTY, NEW YORK**

**(SITE CODE NO. E734086)**

*Prepared for:*

**SYRACUSE HOUSING AUTHORITY**
**AND**
**NEW YORK STATE DEPARTMENT**
**OF ENVIRONMENTAL CONSERVATION**

*Prepared by:*

**DVIRKA AND BARTILUCCI CONSULTING ENGINEERS**
**SYRACUSE, NEW YORK**

**NOVEMBER 2011**

**SITE INVESTIGATION REPORT**
**McKINNEY PROPERTY SITE**

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# Section 1

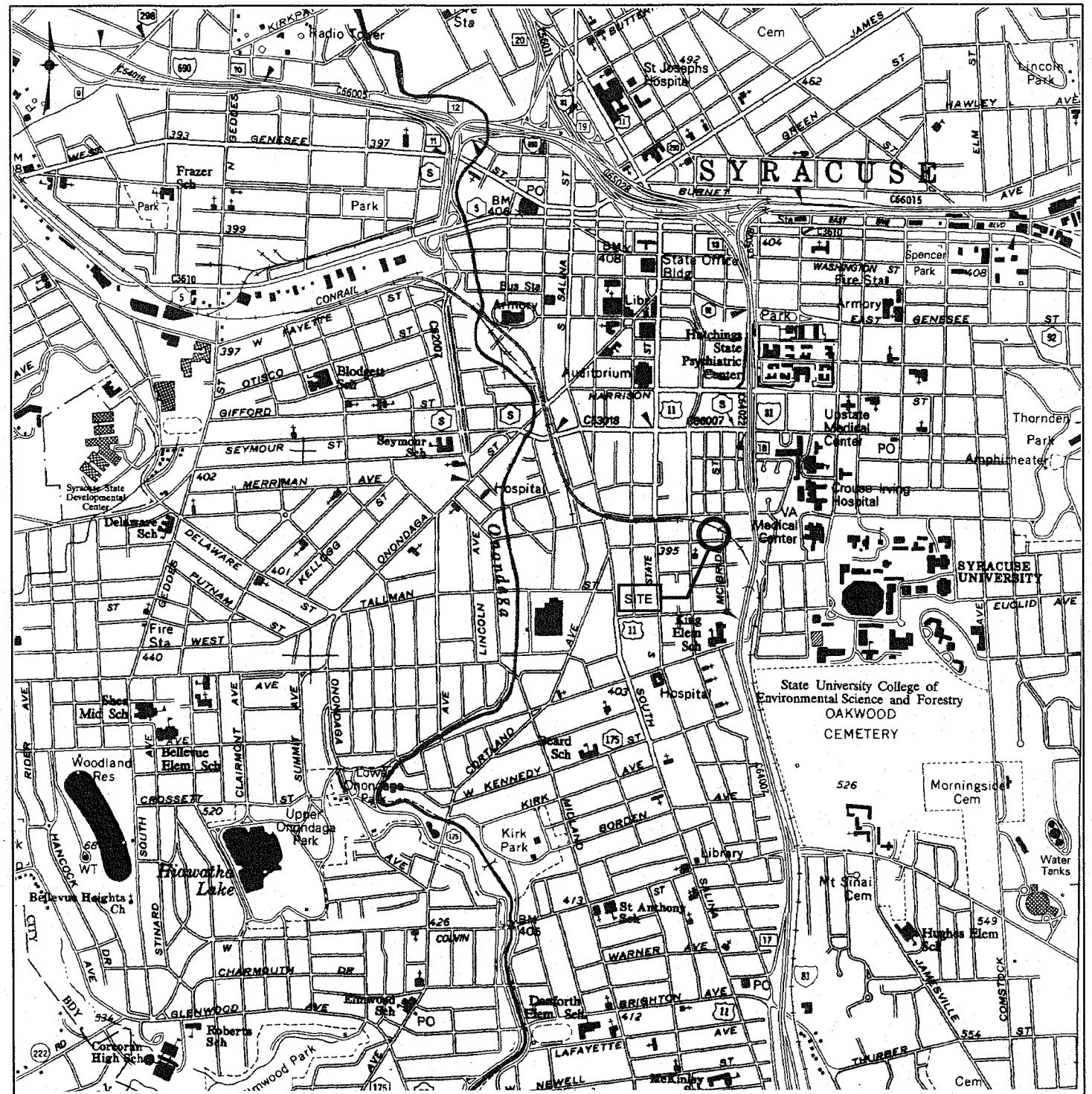
## 1.0 INTRODUCTION

Dvirka and Bartilucci Consulting Engineers (D&B) has been contracted by the Syracuse Housing Authority (SHA) to conduct a Site Investigation/Remedial Alternatives Analysis Report (SI/RAAR) for the McKinney Property Site (the Site) located in the City of Syracuse, Onondaga County, New York (see Figure 1-1). The SI/RAAR for this site is being performed with funding from the SHA and the New York State 1996 Clean Water/Clean Air Bond Act Environmental Restoration Program. The New York State Department of Environmental Conservation (NYSDEC) site code for the McKinney Property Site is E734086.

A SI/RAAR Work Plan (D&B, 2007) was prepared for the Site to describe the activities to be conducted in order to evaluate the nature and extent of contamination at the Site. The SI/RAAR Work Plan was reviewed and approved by NYSDEC in October 2007. A meeting, which was held between representatives of NYSDEC and D&B, prompted revisions to the work plan. Subsequently, a SI/RAAR Work Plan Amendment (D&B, 2007) was prepared by D&B and approved by NYSDEC in January 2008. An interim Remedial Measures (IRM) Work Plan (D&B, 2008) to address separate product on-site was prepared by D&B and approved by the NYSDEC in March 2008. The field investigation was conducted in accordance with the NYSDEC-approved SI/RAAR Work Plan (D&B, 2007), the SI/RAAR Work Plan Amendment (D&B, 2007), and the IRM Work Plan (D&B, 2008).

The Site Investigation Report (SIR) is a deliverable under the NYSDEC-approved work plan and presents a description of the field program performed at the McKinney Property Site. As requested, the SIR has been revised in accordance with the NYSDEC's April 2009, July 2010, April 2011, and August 2011 correspondence regarding previous versions of this SIR that were prepared by D&B and submitted to NYSDEC for review and comment.

The SIR includes site-specific data and interpretations intended to define the nature, extent and likely source(s) of contamination, and the risk associated with the contamination. The information and sample results obtained as part of the field program were reviewed and




SOURCE: USGS SYRACUSE WEST

0 1000 2000
SCALE IN FEET

McKINNEY PROPERTY SITE
SYRACUSE, NEW YORK

SITE LOCATION MAP

Dvirka and Bartilucci
Consulting Engineers

FIGURE 1–1

SEP 5, 2006 SEP C:\2576\2576–siteloc.dwg

evaluated to determine if sufficient data is available to characterize the property, including a determination of the nature, extent and source(s) of contamination.

## 1.1 Project Objectives

The purpose of the site investigation was to determine the nature, extent and likely source(s) of contamination, ascertain whether complete routes of exposure exist with respect to site contamination, and to determine if remediation is necessary to protect human health and the environment. The RAAR, which will be finalized following approval of the SIR by NYSDEC, presents the development and evaluation of alternatives for remediation of the Site.

The approach to the site investigation was to review existing data, collect new site data, and interpret the existing and new data on a site-wide basis. Using this information, a qualitative human health exposure assessment was performed. Based on the findings of the site investigation and exposure assessment and comments provided by the NYSDEC, no further investigation is recommended at this time. In conjunction with these tasks, remedial measures were evaluated in a RAAR and a remedy was recommended.

## 1.2 Report Organization

This report is presented in a format that allows for a logical and ordered progression of the descriptions and findings of the investigation. Section 1.0 discusses the project objectives. Section 2.0 discusses the site background and a review of the site history, including a discussion of previous investigations and a summary of the results. Section 3.0 describes the physical characteristics of the study area, including surface features, geology, and hydrogeology. Section 4.0 is a detailed description of the field program undertaken during the site investigation phase of the project. Section 5.0 presents the analytical results, and discusses the nature and extent of the contamination relative to the standards, criteria and guidelines (SCGs) for the various media sampled. This section also discusses data usability. Section 6.0 contains a qualitative human health exposure assessment based on the investigation findings. Section 7.0 presents conclusions

and recommendations. Identification and evaluation of remedial technologies and alternatives, and a recommended remedial action plan for the Site are provided in the RAAR.

# Section 2

# 2.0 BACKGROUND INFORMATION

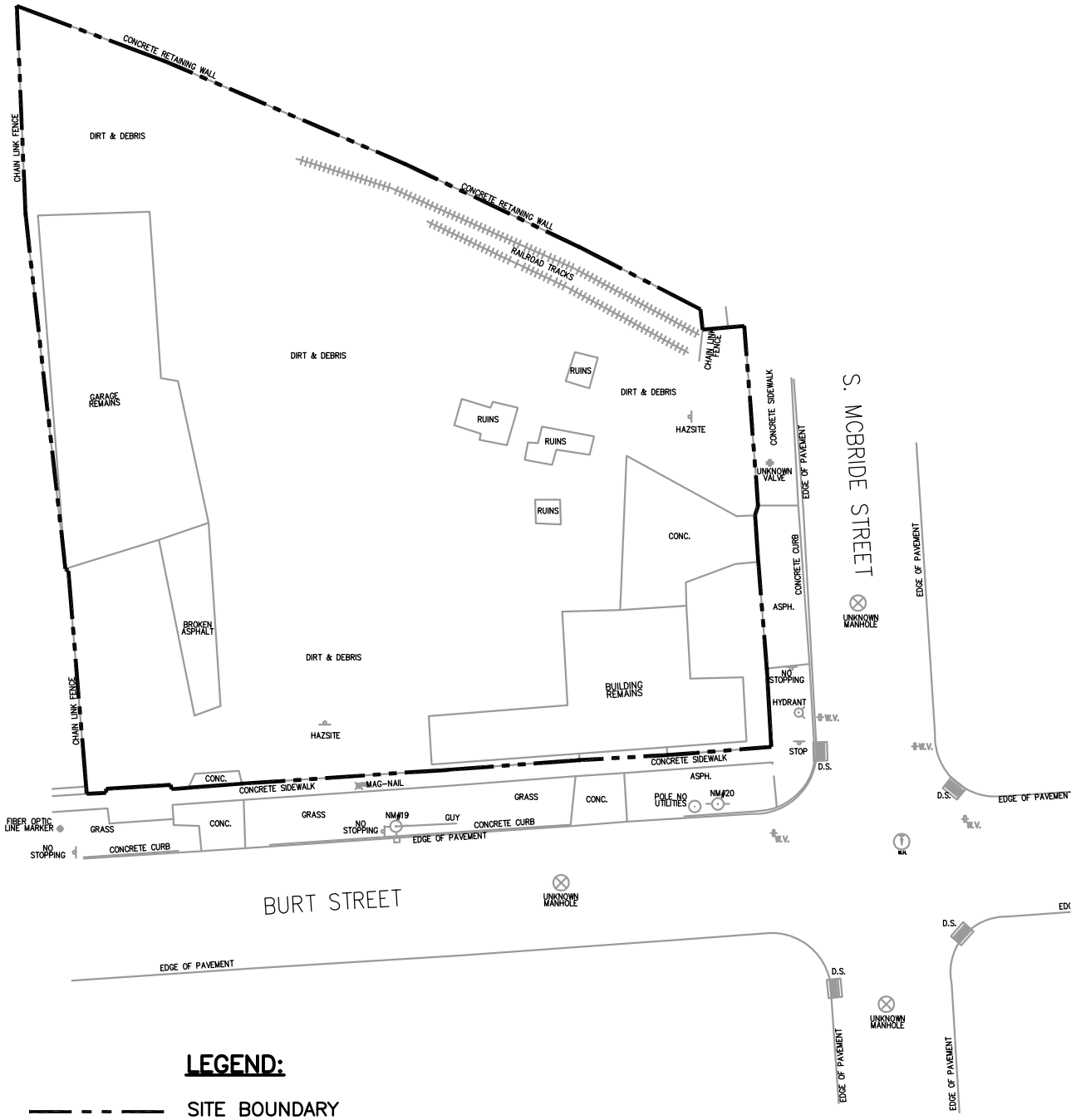
## 2.1 Site Description and History

The McKinney Property Site is located in a mixed residential and commercial neighborhood in the City of Syracuse, Onondaga County, New York. The Site is a former scrap metal storage/processing facility and is located at 1226 South McBride Street on the northwest corner of the intersection of South McBride Street and Burt Street. The Site is approximately 0.5 acres in size and consists of one tax parcel (tax map identification number 094-09-04.0). The Site is bounded on the north by a concrete retaining wall supporting an elevated railroad right-of-way, on the south by Burt Street, on the east by South McBride Street, and on the west by a developed commercial lot.

At the outset of the project, the Site was occupied by a dilapidated one-story wood and steel garage (garage building) and a one-story masonry block and steel building (main building), which was partially destroyed by a fire in May 2004. Four of the main building's ten rooms were destroyed by the fire. Portions of the building affected by the fire were removed from the Site. Six rooms remained in the main building, including an office, safe room, garage, compressor motor room, electric room, and basement. The buildings were condemned in April 2009, and subsequently, demolished and hauled off-site in October 2009 under a New York State Emergency Notification and Variance for asbestos removals. Demolition of Site buildings is discussed further in Section 4.12. A layout of the Site is presented in Figure 2-1.

Access to the Site is obtained from Burt Street via a stone driveway and from South McBride Street via a concrete driveway. A temporary perimeter chain link fence restricts pedestrian and vehicular access to the Site.

The McKinney Property Site was used as a scrap metal storage/processing facility. Reportedly, site activities consisted of the operation of hydraulic machinery, an oil-water separator, and petroleum storage tanks. In addition, the property was used for storage of scrap automobiles, household appliances, and other metal debris. Currently, scrap metal is not stored




Dvirka and Bartilucci
CONSULTING ENGINEERS
A DIVISION OF WILLIAM F. COSULICH ASSOCIATES, P.C.

**SYRACUSE HOUSING AUTHORITY**
**McKINNEY PROPERTY SITE**

# SITE LAYOUT MAP

**FIGURE 2-1**

on the property. However, debris including metal, wood, glass, and concrete, is scattered throughout the surface of the Site. Several suspect asbestos containing materials (SACMs) are also evident in surface soil at the Site.

A "crusher pit" is located on the south side of the Site, adjacent to the former main building footprint. Historic information indicates this pit is approximately eight feet deep, filled with water and has a 6-inch thick layer of black liquid on the bottom. A motor that powered the crusher was reportedly located immediately south of the pit. An empty capacitor and reservoirs for lubricating oil were associated with the motor. A second pit, associated with a crane formerly housed in the main building, is located in the northeast portion of the Site. That pit reportedly contains a black, tar-like material. Two capacitors were also associated with the crane. An oil-water separator was located in the main building, but was removed during demolition.

The Site is an irregularly shaped parcel of land that is relatively flat. Topographic relief across the Site is less than five feet. Onondaga Creek is located approximately 0.5 miles west of the Site. No tributaries of Onondaga Creek are located in the general vicinity of the Site.

## 2.2 Previous Investigations

In 1987, BLT Technical Services, Inc. collected twelve surface soil samples from various locations throughout the property. All twelve samples were analyzed for Toxicity Characteristic Leaching Procedure (TCLP) organics ("F" listed wastes), Targeted Compound List (TCL) polychlorinated biphenyls (PCBs) and pesticides, and Extraction Procedure Toxicity metals. With the exception of beta-benzenehexachloride (beta-BHC), which was detected in one sample, no pesticides were detected in the surface soil samples collected at the Site. However, low levels of organics, PCBs, and metals were detected in several of the samples collected.

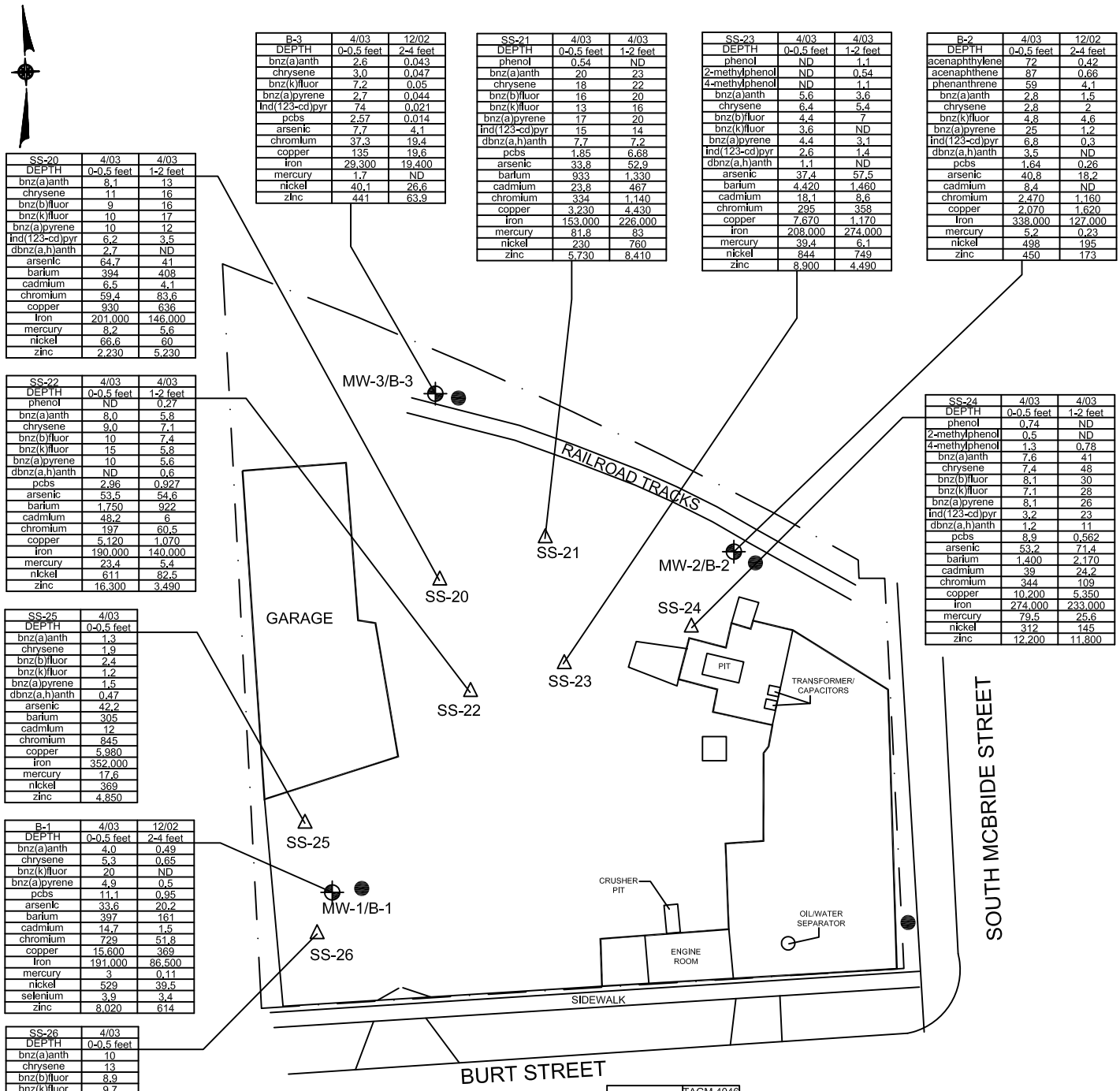
The former use of the Site as a scrap metal storage/processing facility, as well as the presence of scrap automobiles, household appliances, and other refuse on the property, warranted the performance of additional investigation activities to further characterize potential

environmental concerns. Subsequently, a site investigation was performed by S&W Redevelopment of North America, LLC (SWRNA) to characterize potential environmental concerns that may be present at the Site. The site investigation was conducted between December 2002 and May 2003 and included surface soil sampling, subsurface soil sampling, installation of monitoring wells, and groundwater sampling. A pre-demolition asbestos survey was also completed during the site investigation. Results of the site investigation are presented in SWRNA's report entitled *Site Investigation McKinney Parcel*, dated January 2004.

Fifteen surface soil samples were collected as part of the SWRNA site investigation. The samples were analyzed for semi-volatile organic compounds (SVOCs), PCBs and metals. Three subsurface soil samples were collected from three soil borings advanced at the Site. The samples were analyzed for volatile organic compounds (VOCs), SVOCs, PCBs and metals. Three groundwater samples were collected from the Site and analyzed for VOCs, SVOCs, PCBs and metals. Three PCB wipe samples were collected from floor surfaces within the site buildings. Figure 2-2 presents a summary of soil sample locations and soil sample data from the site investigation. Figure 2-3 presents a summary of groundwater sample locations and groundwater sample data from the site investigation.

Samples were also collected from residual materials (i.e., sediment, sludge, oil, etc.) located within various operational areas of the Site. Samples were obtained from materials contained in the crusher pit, the engine room, the crane building pit, the crane building capacitors, the basement of the main building and the oil-water separator.

Samples collected during the SWRNA site investigation confirmed the presence of SVOCs, PCBs and metals contamination in soil and groundwater at the Site. Samples collected from the engine room, crane building capacitors and oil-water separator exhibited elevated levels of total VOCs. The sample collected from the oil-water separator also contained elevated levels of total SVOCs, PCBs and metals. The sample collected from the crane building pit contained elevated levels of PCBs and metals.




| B-3 | 4/03 | 12/02 |
|---|---|---|
| DEPTH | 0-0.5 feet | 2-4 feet |
| bnz(a)anth | 2.6 | 0.043 |
| chrysene | 3.0 | 0.047 |
| bnz(k)fluor | 7.2 | 0.05 |
| bnz(a)pyrene | 2.7 | 0.044 |
| Ind(123-cd)pyr | 74 | 0.021 |
| pcbs | 2.57 | 0.014 |
| arsenic | 7.7 | 4.1 |
| chromium | 37.3 | 19.4 |
| copper | 135 | 19.6 |
| iron | 29,300 | 19,400 |
| mercury | 1.7 | ND |
| nickel | 40.1 | 26.6 |
| zinc | 441 | 63.9 |

| SS-21 | 4/03 | 4/03 |
|---|---|---|
| DEPTH | 0-0.5 feet | 1-2 feet |
| phenol | 0.54 | ND |
| bnz(a)anth | 20 | 23 |
| chrysene | 18 | 22 |
| bnz(b)fluor | 16 | 20 |
| bnz(k)fluor | 13 | 16 |
| bnz(a)pyrene | 17 | 20 |
| ind(123-cd)pyr | 15 | 14 |
| dbnz(a,h)anth | 7.7 | 7.2 |
| pcbs | 1.85 | 6.68 |
| arsenic | 33.8 | 52.9 |
| barium | 933 | 1,330 |
| cadmium | 23.8 | 467 |
| chromium | 334 | 1,140 |
| copper | 3,230 | 4,430 |
| iron | 153,000 | 226,000 |
| mercury | 81.8 | 83 |
| nickel | 230 | 760 |
| zinc | 5,730 | 8,410 |

| SS-23 | 4/03 | 4/03 |
|---|---|---|
| DEPTH | 0-0.5 feet | 1-2 feet |
| phenol | ND | 1.1 |
| 2-methylphenol | ND | 0.54 |
| 4-methylphenol | ND | 1.1 |
| bnz(a)anth | 5.6 | 3.6 |
| chrysene | 6.4 | 5.4 |
| bnz(b)fluor | 4.4 | 7 |
| bnz(k)fluor | 3.6 | ND |
| bnz(a)pyrene | 4.4 | 3.1 |
| ind(123-cd)pyr | 2.6 | 1.4 |
| dbnz(a,h)anth | 1.1 | ND |
| arsenic | 37.4 | 57.5 |
| barium | 4,420 | 1,460 |
| cadmium | 18.1 | 8.6 |
| chromium | 295 | 358 |
| copper | 7,670 | 1,170 |
| iron | 208,000 | 274,000 |
| mercury | 39.4 | 6.1 |
| nickel | 844 | 749 |
| zinc | 8,900 | 4,490 |

| B-2 | 4/03 | 12/02 |
|---|---|---|
| DEPTH | 0-0.5 feet | 2-4 feet |
| acenaphthylene | 72 | 0.42 |
| acenaphthene | 87 | 0.66 |
| phenanthrene | 59 | 4.1 |
| bnz(a)anth | 2.8 | 1.5 |
| chrysene | 2.8 | 2 |
| bnz(k)fluor | 4.8 | 4.6 |
| bnz(a)pyrene | 25 | 1.2 |
| ind(123-cd)pyr | 6.8 | 0.3 |
| dbnz(a,h)anth | 3.5 | ND |
| pcbs | 1.64 | 0.26 |
| arsenic | 40.8 | 18.2 |
| cadmium | 8.4 | ND |
| chromium | 2,470 | 1,160 |
| copper | 2,070 | 1,620 |
| iron | 338,000 | 127,000 |
| mercury | 5.2 | 0.23 |
| nickel | 498 | 195 |
| zinc | 450 | 173 |

| SS-20 | 4/03 | 4/03 |
|---|---|---|
| DEPTH | 0-0.5 feet | 1-2 feet |
| bnz(a)anth | 8.1 | 13 |
| chrysene | 11 | 16 |
| bnz(b)fluor | 9 | 16 |
| bnz(k)fluor | 10 | 17 |
| bnz(a)pyrene | 10 | 12 |
| ind(123-cd)pyr | 6.2 | 3.5 |
| dbnz(a,h)anth | 2.7 | ND |
| arsenic | 64.7 | 41 |
| barium | 394 | 408 |
| cadmium | 6.5 | 4.1 |
| chromium | 59.4 | 83.6 |
| copper | 930 | 636 |
| iron | 201,000 | 146,000 |
| mercury | 8.2 | 5.6 |
| nickel | 66.6 | 60 |
| zinc | 2,230 | 5,230 |

| SS-22 | 4/03 | 4/03 |
|---|---|---|
| DEPTH | 0-0.5 feet | 1-2 feet |
| phenol | ND | 0.27 |
| bnz(a)anth | 8.0 | 5.8 |
| chrysene | 9.0 | 7.1 |
| bnz(b)fluor | 10 | 7.4 |
| bnz(k)fluor | 15 | 5.8 |
| bnz(a)pyrene | 10 | 5.6 |
| dbnz(a,h)anth | ND | 0.6 |
| pcbs | 2.96 | 0.927 |
| arsenic | 53.5 | 54.6 |
| barium | 1,750 | 922 |
| cadmium | 48.2 | 6 |
| chromium | 197 | 60.5 |
| copper | 5,120 | 1,070 |
| iron | 190,000 | 140,000 |
| mercury | 23.4 | 5.4 |
| nickel | 611 | 82.5 |
| zinc | 16,300 | 3,490 |

| SS-24 | 4/03 | 4/03 |
|---|---|---|
| DEPTH | 0-0.5 feet | 1-2 feet |
| phenol | 0.74 | ND |
| 2-methylphenol | 0.5 | ND |
| 4-methylphenol | 1.3 | 0.78 |
| bnz(a)anth | 7.6 | 41 |
| chrysene | 7.4 | 48 |
| bnz(b)fluor | 8.1 | 30 |
| bnz(k)fluor | 7.1 | 28 |
| bnz(a)pyrene | 8.1 | 26 |
| ind(123-cd)pyr | 3.2 | 23 |
| dbnz(a,h)anth | 1.2 | 11 |
| pcbs | 8.9 | 0.562 |
| arsenic | 53.2 | 71.4 |
| barium | 1,400 | 2,170 |
| cadmium | 39 | 24.2 |
| chromium | 344 | 109 |
| copper | 10,200 | 5,350 |
| iron | 274,000 | 233,000 |
| mercury | 79.5 | 25.6 |
| nickel | 312 | 145 |
| zinc | 12,200 | 11,800 |

| SS-25 | 4/03 |
|---|---|
| DEPTH | 0-0.5 feet |
| bnz(a)anth | 1.3 |
| chrysene | 1.9 |
| bnz(b)fluor | 2.4 |
| bnz(k)fluor | 1.2 |
| bnz(a)pyrene | 1.5 |
| dbnz(a,h)anth | 0.47 |
| arsenic | 42.2 |
| barium | 305 |
| cadmium | 12 |
| chromium | 845 |
| copper | 5,980 |
| iron | 352,000 |
| mercury | 17.6 |
| nickel | 369 |
| zinc | 4,850 |

| B-1 | 4/03 | 12/02 |
|---|---|---|
| DEPTH | 0-0.5 feet | 2-4 feet |
| bnz(a)anth | 4.0 | 0.49 |
| chrysene | 5.3 | 0.65 |
| bnz(k)fluor | 20 | ND |
| bnz(a)pyrene | 4.9 | 0.5 |
| pcbs | 11.1 | 0.95 |
| arsenic | 33.6 | 20.2 |
| barium | 397 | 161 |
| cadmium | 14.7 | 1.5 |
| chromium | 729 | 51.8 |
| copper | 15,600 | 369 |
| iron | 191,000 | 86,500 |
| mercury | 3 | 0.11 |
| nickel | 529 | 39.5 |
| selenium | 3.9 | 3.4 |
| zinc | 8,020 | 614 |

| SS-26 | 4/03 |
|---|---|
| DEPTH | 0-0.5 feet |
| bnz(a)anth | 10 |
| chrysene | 13 |
| bnz(b)fluor | 8.9 |
| bnz(k)fluor | 9.7 |
| bnz(a)pyrene | 8.8 |
| dbnz(a,h)anth | 1.6 |
| arsenic | 7.7 |
| cadmium | 4.1 |
| chromium | 58.5 |
| copper | 4,970 |
| iron | 24,500 |
| mercury | 1.8 |
| nickel | 40.9 |
| zinc | 810 |

| ANALYTE | TAGM 4046 STANDARD |
|---|---|
| phenol | 0.03 |
| 2-methylphenol | 0.1 |
| 4-methylphenol | 0.9 |
| acenaphthylene | 41 |
| acenaphthene | 50 |
| phenanthrene | 50 |
| bnz(a)anth | 0.224 |
| chrysene | 0.4 |
| bnz(b)fluor | 1.1 |
| bnz(k)fluor | 1.1 |
| bnz(a)pyrene | 0.061 |
| ind(123-cd)pyr | 3.2 |
| dbnz(a,h)anth | 0.014 |
| pcbs | 1 / 10* |
| arsenic | 7.5 / SB |
| barium | 300 / SB |
| cadmium | 1 / SB |
| chromium | 10 / SB |
| copper | 25 / SB |
| iron | 2,000 / SB |
| mercury | 0.1 |
| nickel | 13 / SB |
| selenium | 2 / SB |
| zinc | 20 / SB |

results reported in milligrams per kilogram (mg/kg)
* PCBs - 1 mg/kg surface soil,
10 mg/kg subsurface soil
ND - not detected

## LEGEND

△ SURFACE SOIL SAMPLE - PREVIOUS

⊕ MONITORING WELL - EXISTING

## NOTES

SAMPLE LOCATIONS AND ANALYTICAL DATA OBTAINED FROM SWRNA'S SITE INVESTIGATION REPORT DATED JANUARY 2004

0 20' 40' 60'

SCALE: 1"=40'

c:/2576/mckinney wp.dwg/prevsoil

# PREVIOUS SOIL SAMPLE EXCEEDANCES
# McKINNEY BURT STREET SITE
# SYRACUSE, NEW YORK

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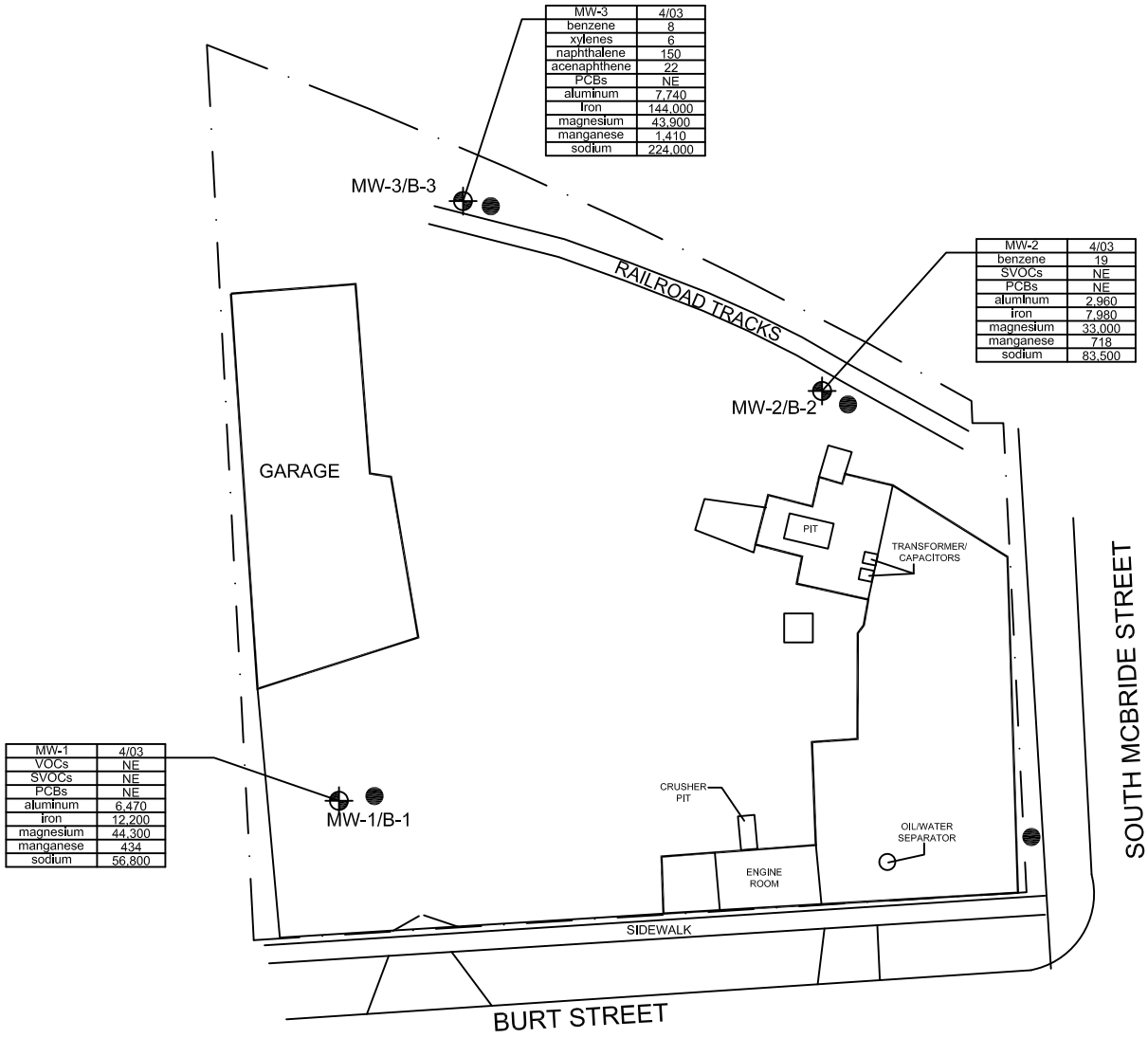
**FIGURE 2-2**




| ANALYTE | TOGS 1.1.1 STANDARD |
|---|---|
| benzene | 1 ST |
| xylenes | 5 ST |
| naphthalene | 10 GV |
| acenaphthene | 20 GV |
| aluminum | 100 ST |
| iron | 300 ST |
| magnesium | 35,000 GV |
| manganese | 300 ST |
| sodium | 20,000 ST |

results reported in ug/kg
results reported in micrograms per liter (ug/l)
VOCs - volatile organic compounds
SVOCs - semivolatile organic compounds
PCBs - polychlorinated biphenyls
ST - standard
GV - guidance value
NE - no exceedances

## LEGEND

MONITORING WELL - EXISTING

## NOTES

SAMPLE LOCATIONS AND ANALYTICAL DATA OBTAINED FROM SWRNA'S SITE INVESTIGATION REPORT DATED JANUARY 2004

0 20' 40' 60'
SCALE: 1"=40'

c:/2576/mckinney wp.dwg/prevgw

**PREVIOUS GROUNDWATER SAMPLE EXCEEDANCES**
**McKINNEY BURT STREET SITE**
**SYRACUSE, NEW YORK**

Dvirka and Bartilucci
Consulting Engineers
A Division of William F. Cosulich Associates, P.C.

**FIGURE 2-3**

The asbestos survey indicated the presence of asbestos containing material (ACM) associated with both the main building and garage. The asbestos survey estimated the presence of 3,405 square feet of ACM and 91 linear feet of ACM.

## 2.3 Historic Aerial Photographs

Historical aerial photographs of the subject area were reviewed from the years 1938, 1951, 1967, 1978, 1990, and 1995. The aerial photographs were obtained from Toxic Targeting, Inc., a commercial supplier of aerial photographs, to assist in determining past land usage and major improvements to the Site and surrounding areas. These photos are included in Appendix A.

The 1938 photograph was reviewed and structures on the subject property could not be verified due to the quality of the photograph. However, the property does appear to be developed. A clearing for the elevated railroad tracks, which are located to the north of the Site is evident. The properties bordering the Site also appear to be developed. In this photograph, a large structure as well as the railroad tracks are evident to the north of the Site. This structure is likely the Syracuse University Steam Station Plant (Steam Plant) as historic records indicate the original Steam Plant was constructed in 1926.

The 1951 photograph was reviewed and structures on the subject property could not be verified due to the quality of the photograph. This photograph shows a large structure northeast of the subject not present in the 1938 photograph. Also, a large structure is evident to the west of the subject property.

In the 1967 photograph, two structures are evident on the subject property. Two structures, not present in the 1951 photograph, are also evident on the property to the northeast of the subject property. The addition of these structures is consistent with historic records, which indicate that an expansion of the original Steam Plant occurred in 1952. Also, this photograph shows a small increase in the number of structures in the surrounding area. Most notable is the addition of structures south of the subject property.

The 1978 photograph was reviewed. In this photograph, the subject property and surrounding area appears to be developed similar to the previous aerial photographs, however, due to the quality of the photograph, it cannot be determined if any significant changes were made.

The 1990 and 1995 photographs were reviewed. In these photographs, the subject property and surrounding area appears to be developed similar to the previous aerial photographs. However, a structure is evident on the property abutting the subject property to west in the 1995 photograph. This structure was not present in the 1990 aerial photograph.

## 2.4 Sanborn Fire Insurance Maps®

Sanborn Fire Insurance Maps® (Sanborn Maps) were obtained from Toxic Targeting, Inc. These maps assist in confirming past land usage, and major improvements to the property and to the surrounding areas. Sanborn Maps were reviewed for the subject property from the years 1892, 1910, 1951, 1961, 1968, 1971, and 1990. Based on the 1892 map, it appears the subject property encompassed an "L" shaped area much larger than depicted on current site maps. Based on the 1892 map, the subject property bordered Burt Street and two properties to the south and East Taylor Street to the north. The subject property bordered Orange Street (South McBride Street) to the east, and two properties and Grape Street (Oakwood Avenue) to the west. In 1910, the property to the west was sub-divided and a new parcel was formed. Two structures were added to the new parcel. Subsequently, the subject property bordered only one property to the west in 1910. Based on the 1951, 1961, 1968, 1971, and 1990 maps, the Site footprint expanded to encompass the property to the west as well as the property to the south. The 1951, 1961, 1968, 1971, and 1990 maps indicate that historic site operations occurred within the entire expanded property footprint. Remnants of the former property lines are evident in the 1951, 1961, 1968, 1971, and 1990 maps. Sanborn Maps are included in Appendix A.

With the exception of railroad tracks, no structures appear on the subject site on the 1892 map. The properties north of the subject property are developed with several structures. One of the properties north of the subject property is identified as a coal and wood yard. The property to

the west and south across Burt Street are developed with various structures. The property to the east across Orange Street is developed with railroad tracks.

On the 1910 map, two structures appear on the subject property and the property is identified as a stone yard. One structure is located on the eastern portion of the property and one structure is located on the western portion of the property. The structure on the eastern portion of the property is identified with the label "stone sawing". A railroad spur, which ends at Grape Street, also appears on the subject property. Two structures, not present on the 1910 map, are evident on the new parcel abutting the subject property to the west. Structures were also added to the property to the east across Orange Street. Additional structures were added to the coal and wood yard north of the subject property.

On the 1951 map, the expanded footprint of the subject site encompasses the property to the west as well as the property to the south. The structures previously associated with these properties have been eliminated. A significant change to the subject property, as depicted on the maps, is the addition of three structures, which are positioned consistent with the locations of the current site buildings. The subject property is labeled as a scrap metal yard. Two new railroad spurs are also evident on the property. One spur ends at Burt Street and the other spur ends at South McBride Street. Significant improvements to the railroad tracks north of the property are also evident. These improvements include additional tracks, spurs, and concrete retaining walls. It appears the area around the railroad tracks has been filled. Structures on the properties to the north have been replaced by the Syracuse University Steam Plant Station.

The subject property appears relatively unchanged on the 1961, 1968, and 1971 Sanborn Maps. It appears the building in the southeast portion of the property was modified between 1951 and 1961 to connect to the small scrap metal shed.

On the 1990 map, significant changes to the railroad tracks are evident. The two railroad spurs on the property are not shown. Site structures generally appear unchanged.

## 2.5 Records Search

An Application for Access to Records was filed with NYSDEC under the Freedom of Information Law on August 28, 2006. A response from NYSDEC was received on September 18, 2006. The response included a NYSDEC Spill Report Form associated with the fire that occurred within the main building in May 2004. The report indicated that the City of Syracuse Fire Department was requesting information from NYSDEC regarding known contamination on the Site. The spill was closed on June 4, 2004. No other information was released by the NYSDEC.

On July 2, 2007, information for the Site contained at NYSDEC's Region 7 Office was reviewed by a D&B representative. With the exception of two site photographs, no new information regarding the Site was obtained as part of the July 2007 file review.

On March 31, 2008, D&B contacted the City of Syracuse for information pertaining to storage tanks on the Site as well as documentation regarding historic land usage. Information for the surrounding properties was also requested. Two pages of documentation were received from the City of Syracuse Office of Corporate Counsel on April 22, 2008. One page indicated that three 2,000-gallon tanks (one diesel fuel, one regular gasoline, and one unleaded gasoline) were removed from a property "across from 1226 South McBride Street" in August 1988. The second page indicated that a permit was approved on November 15, 1962 to install a 2,000-gallon gasoline tank on the Site.

A Toxic Targeting, Inc. Environmental Report was obtained and reviewed for the Site. No new information pertaining to the Site was contained in the report.

Documentation obtained through the records search is presented in Appendix B.

# Section 3

# 3.0 PHYSICAL CHARACTERISTICS OF STUDY AREA

## 3.1 Surface Features and Drainage

The Site is located within a relatively flat lying area in the City of Syracuse. Elevations in the immediate vicinity of the Site range from approximately 400 feet above mean sea level (amsl) to 700 feet amsl. The ground surface at the McKinney Property Site is relatively flat and slopes gently downward from the northwest to the southeast. Elevations at the Site range from approximately 401 to 405 feet amsl.

The Site is located within the Onondaga Lake Watershed. There are no surface water bodies or drainage structures located within the limits of the Site. The closest surface water body to the Site is Onondaga Creek, which is located approximately 0.5 miles west of the Site. Surface runoff from the Site is controlled via City of Syracuse collection basins.

## 3.2 Climate

The climate of Onondaga County, New York, is humid-continental. Weather systems originate predominantly from continental sources, although occasionally well-developed Atlantic coastal systems influence the weather. The prevailing wind direction is from the west. The annual average daily temperature ranges from a minimum of 15 degrees Fahrenheit (F) to a maximum of 82 degrees F (Soil Survey Onondaga County, New York, 1977). The average annual precipitation for Syracuse, New York is approximately 36.5 inches. The average annual snowfall is approximately 120 inches.

## 3.3 Regional Geology

The McKinney Property Site is located in the Taconic section of the Erie-Ontario Plain physiographic province (Rogers, Isachsen, Mock, and Nyahay, 1990). The Site is located just north of the east-west escarpment formed by the Onondaga Limestone, which is the demarcation line separating the Erie-Ontario Plain to the north and Appalachian Plateau physiographic province to the south (Soil Survey Onondaga County, New York, 1977).

## 3.4 Site Geology

Unconsolidated deposits at the Site have been mapped as lacustrine silt and clay (Muller and Cadwell, 1986). These deposits are associated with a prehistoric proglacial lake called Glacial Lake Iroquois. Glacial Lake Iroquois was a prehistoric proglacial lake that existed at the end of the last ice age approximately 13,000 years ago. The lake was essentially an enlargement of the present Lake Ontario that formed because the St. Lawrence River was blocked by the ice sheet near the present Thousand Islands. The lake level was approximately 100 feet above the present level of Lake Ontario. Pleistocene-aged glacial lakes were generally very turbid, promoting deposition of well sorted and thinly stratified layers, with common occurrences of poorly-sorted sediment settling to the lake bottom from sediment-laden melting icebergs. The lacustrine silt and clay observed on-site consists predominantly of silt with interlaminations of clay and very fine sand interpreted as varves with few clasts and lenses of gravel and coarse sand interpreted as dropstones and rafted boulders derived from melting icebergs.

Soil encountered in the study area can be described as follows:

| On-Site Geology | |
|---|---|
| **Depth** | **Description** |
| Ground surface to depths of 2 to 3 feet below grade surface (bgs). | Brownish gray to dark gray stained silt and fine to coarse grained gravel with varying amounts of fine to coarse grained sand. Unit contains fragments of metal, glass, plastic, concrete, wood, etc., and has characteristics of imported fill and/or re-worked native deposits. |
| Bottom of fill to depths of 3 to 14 feet bgs. | Grayish brown to brownish gray silt with some clay and little to some very fine to fine sand. Trace medium to coarse sand and fine gravel also occurs in this unit. |
| Bottom of silt unit to a depth of 22 feet bgs (Data derived from previous investigations performed by others). | Gray to olive green silt and clay with fine gravel, which is also likely to be glaciolacustrine in origin. |

Bedrock was not encountered in the deepest boring (approximately 22 feet bgs) advanced at the Site. Bedrock geology in the vicinity of the Site has been mapped as the

Syracuse formation of the Salina Group (Fisher, et. al., 1970). The Syracuse formation is Upper Silurian in age, and is composed of interbedded dolostone and shale with an abundance of gypsum and halite (rock salt). The depth to the bedrock-overburden interface beneath the McKinney Property Site is unknown.

## 3.5 Site Hydrogeology

Groundwater flow characteristics at the Site were assessed using several techniques. These included observations of soil characteristics during drilling, installation of monitoring wells, groundwater sampling, and measurement of water levels to determine groundwater flow direction.

The first occurrence of groundwater or saturated conditions is in the overburden layer above bedrock. Water level monitoring of the wells indicates that the depth of groundwater in the wells averages 5.0 feet bgs, with a minimum depth to water of 2.41 feet bgs in MW-5 and a maximum depth to water of 9.55 feet bgs in MW-1. The predominant direction of groundwater flow at the Site was determined to be south/southwest toward Onondaga Creek. Groundwater elevation data is presented in Appendix C.

# Section 4

## 4.0 SITE INVESTIGATION

The purpose of this section is to document the field activities and techniques used to investigate the McKinney Property Site. The field investigation was conducted in accordance with the NYSDEC-approved SI/RAAR Work Plan (D&B, 2007), SI/RAAR Work Plan Amendment (D&B, 2007), and the IRM Work Plan (D&B, 2008).

### 4.1 Base Map Development and Surveying

A site map completed as part of previous investigations was provided to D&B by SHA and served as the base map for the Site. Relevant features on the base map included structures, roads, previous soil sample locations, and existing monitoring wells. The base map was used to plot all soil borings, monitoring wells, sample locations, and any other items of interest noted during the field activities.

A hexagonal grid network applicable to site investigations, which was developed using United States Environmental Protection Agency's (USEPA's) Field Manual for Grid Sampling of Polychlorinated Biphenyl Spill Sites to Verify Cleanup, was established over the Site prior to soil sampling. The grid consisted of a series of parallel north-south trending staked lines and a series of east-west trending staked lines. Twenty grid nodes were established and the grid was labeled using an alphanumeric identification system. Soil samples were collected from each grid node.

Upon completion of fieldwork, the locations and elevations of monitoring wells (including water level measurement reference points), soil sample locations, soil vapor probes, and other pertinent site features were surveyed and included on the base map. Popli Consulting Engineers & Surveyors conducted the surveying at the Site. Survey results are presented in Appendix D.

## 4.2 Geophysical Survey

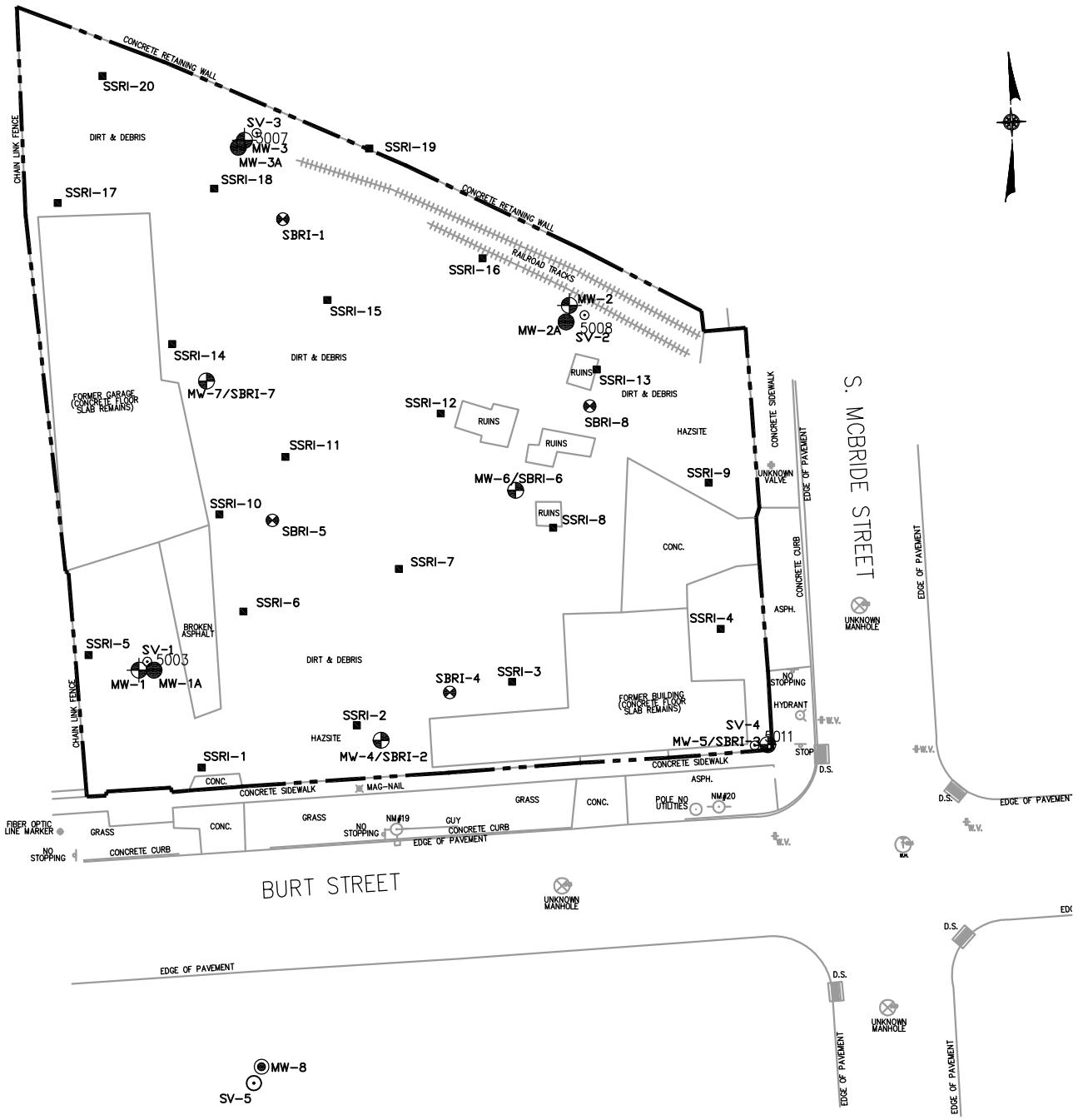
Based on the background information, a 2,000 gallon petroleum storage tank may have existed on the Site. As a result, NYSDEC requested a geophysical survey be completed over the southern portion of the property in the area of the former main building. On March 23, 2009, Advanced Geologic Services (AGS) conducted a geophysical survey over the southern portion of the property to locate and delineate potential underground storage tank (USTs) as well as subsurface utilities.

The geophysical survey was completed using ground penetrating radar (GPR), terrain conductivity (EM-31), and radio frequency pipe locating instruments. Two underground anomalies (EMA1 and EMA2) were identified during the geophysical survey. These anomalies are interpreted to be buried concrete and/or scrap metal and do not appear to be USTs. Additional details regarding the geophysical survey, including a description of the survey, equipment used, results, and a contour map are included in Appendix E.

## 4.3 Surface Soil Sampling

Sixty surface soil samples were collected from twenty locations (SSRI-1 through SSRI-20) on the grid network. Samples were collected and submitted for laboratory analysis from three separate intervals at each location. The intervals were from 0 to 0.1 feet bgs, 0.5 to 1.0 feet bgs, and 1.5 to 2.0 feet bgs. The surface soil sample locations are presented on Figure 4-1.

Surface soil samples were collected in February 2008. Soil samples were collected continuously from ground surface to approximately two feet bgs using either a 4-inch diameter bucket auger or a drill rig equipped with 4.25-inch inside diameter (I.D.) hollow stem augers. The occasional use of a pinch bar or a post-hole digger was necessary to bypass large cobbles and/or debris at some locations.




## LEGEND:

| | |
|---|---|
| SITE BOUNDARY | |
| MW-1 | MONITORING WELL (INSTALLED 12/02 AND DECOMMISSIONED 10/10) |
| MW-4 | MONITORING WELL (INSTALLED 02/08) |
| MW-8 | MONITORING WELL (INSTALLED 03/10) |
| MW-1A | MONITORING WELL (INSTALLED 10/10) |
| SSRI-1 | SURFACE SOIL SAMPLE |
| SBRI-1 | SOIL BORING |
| SV-1 | SOIL VAPOR PROBE |

0 40

SCALE IN FEET

Dvirka and Bartilucci CONSULTING ENGINEERS
A DIVISION OF WILLIAM F. COSULICH ASSOCIATES, P.C.

**SYRACUSE HOUSING AUTHORITY**
**McKINNEY PROPERTY SITE**

# SAMPLE LOCATION MAP

**FIGURE 4-1**

F:\2576\2576-FIG-1.dwg, FIG 4-1, 12/3/2010 10:53:05 AM, KSaul

Each soil sample was field screened and geologically logged. Field screening entailed an examination for the presence of free product, odors, or staining and screening for volatile organic compounds with a photoionization detector (PID). Stained soil, odors, and elevated PID readings were encountered at several of the surface soil sample locations. Field screening results are presented on the sample information records presented in Appendix F.

After sampling was completed, each boring was backfilled with excess cuttings. All non-dedicated sampling equipment was decontaminated between sample locations by washing with a solution of non-phosphate detergent and potable water, followed by a potable water rinse.

Upon collection, the soil samples were immediately placed into an iced cooler for overnight delivery under chain-of-custody procedures to Mitkem Laboratories for analysis. The soil samples were analyzed using NYSDEC June 2000 Analytical Services Protocol (ASP) methods. All samples were analyzed for TCL SVOCs, TCL Pesticides/PCBs, Target Analyte List (TAL) metals, and cyanide. In addition, samples collected from 1.5-2.0 feet bgs were analyzed for TCL VOCs.

### 4.4 Subsurface Soil Sampling

Sixteen subsurface soil samples were collected from eight soil boring locations (SBRI-1 through SBRI-8) advanced at the Site in February 2008 to determine subsurface soil quality and site geology. Two soil borings were advanced adjacent to the pit located at the northern end of the main building (SBRI-6 and SBRI-8). One soil boring was advanced adjacent to the crusher pit (SBRI-4) and one soil boring was advanced adjacent to the engine room (SBRI-2). One soil boring was located near the intersection of Burt Street and South McBride Street, along the eastern Site boundary (SBRI-3). Three soil borings were located in the central portion of the Site in the area of previous surface soil sample locations SS-20 through SS-23 (SBRI-1, SBRI-5, and SBRI-7). The subsurface soil sample locations are presented on Figure 4-1.

Soil borings were advanced using a truck-mounted Mobile B-57 drill rig utilizing 4.25-inch I.D. hollow stem auger drilling techniques. All soil boring were advanced by Parratt-Wolff,

Inc. Soil samples were collected using decontaminated 2-foot long, 2-inch I.D. split spoon samplers. The split spoon samplers were driven using a 140-pound hammer dropped from a height of 30 inches. Soil samples were collected continuously from ground surface to the top of the water table, which ranged from approximately 2.4 to 9.5 feet bgs. All borehole construction was logged and documented by a D&B geologist. A discussion of drilling results and observations is presented in Section 3.0. Boring logs, presented in Appendix G, include the depths of stratigraphic changes, descriptions of samples using the Unified Soil Classification System, details of drilling techniques and total ionizable vapor measurements obtained with a PID. Soil not required for laboratory analysis was returned to the borehole. All boreholes were filled with hydrated bentonite pellets.

Upon collection, the soil samples were immediately placed into an iced cooler for overnight delivery under chain of custody procedures to Mitkem Laboratories for analysis. The soil samples were analyzed using NYSDEC June 2000 ASP methods. All samples were analyzed for TCL VOCs, TCL SVOCs, TCL Pesticides/PCBs, TAL metals, and cyanide.

## 4.5 Monitoring Well Decommissioning

Groundwater monitoring well decommissioning was completed to permanently remove three monitoring wells (MW-1, MW-2, and MW-3), which were constructed as part of previous site investigation activities. The wells were decommissioned since the screened interval of each well did not intersect the groundwater table. The location of each well is presented on Figure 4-1.

Prior to decommissioning, monitoring wells MW-1 and MW-2 were developed, gauged, and sampled. Additional details regarding the well development, gauging and sampling activities are presented in the sections below.

The monitoring wells were decommissioned by Parratt Wolff, Inc., a New York State licensed well driller, in accordance with the New York State Department of Environmental Conservation document entitled, "*CP-43: Groundwater Monitoring Well Decommissioning*

*Policy*," dated November 3, 2009. Prior to decommissioning, the total depth of each well was measured and recorded in the field logbook. The wells were then sealed with a cement/bentonite grout. The grout was pumped through a tremie/grout pipe in one continuous operation from the bottom to the top of the wells.

Once sealed, the flush-mounted curb box or "stickup" protective casing associated with each well was removed. Well casings were then removed from the ground by lifting with a drill rig. Additional cement/bentonite grout was added as the casings were withdrawn. Following casing removal, the uppermost portion of each well was restored with clean fill material.

## 4.6 Monitoring Well Installation

Seven groundwater monitoring wells (MW-1A, MW-2A, MW-3A, MW-4, MW-5, MW-6, and MW-7) were installed to characterize groundwater flow and quality at the Site. Three monitoring wells (MW-1A, MW-2A, and MW-3A) were installed to replace monitoring wells MW-1, MW-2, and MW-3. One monitoring well (MW-4) was installed adjacent to the engine room. One monitoring well (MW-5) was installed near the intersection of Burt Street and South McBride Street, along the eastern Site boundary. One monitoring well (MW-6) was installed adjacent to the pit located at the northern end of the main building. One monitoring well (MW-7) was installed adjacent to the east side of the garage building.

One off-site groundwater monitoring well (MW-8) was installed south of the McKinney Property Site to characterize groundwater quality. Monitoring well locations are presented on Figure 4-1.

Monitoring wells (MW-1A, MW-2A, MW-3A, MW-4, MW-5, MW-6, MW-7, and MW-8) were advanced using hollow stem auger drilling techniques. All wells were constructed using 10-foot long two-inch I.D. Schedule 40 polyvinyl chloride (PVC) 0.010-inch slot well screens and two-inch I.D. Schedule 40 riser pipe. Well screens were installed at the bottom of the boreholes. Sand pack was placed in the annulus between the borehole wall and the well screen. A bentonite seal was placed above the sand pack. Expansion caps were installed on the well

riser pipes and lockable protective steel casings were installed around the riser pipes in concrete surface pads.

Due to the shallow water table at the Site, wells were constructed with the top of the screen as shallow as 2.4 feet bgs. Monitoring well MW-1A was screened from 3.7 to 13.7 feet, with a sand pack placed at 2.7 feet bgs and a bentonite seal set at 0.7 foot bgs. Monitoring well MW-2A was screened from 2.9 to 12.9 feet, with a sand pack placed at 1.9 feet bgs and a bentonite seal set at 0.9 foot bgs. Monitoring well MW-3A was screened from 2.4 to 12.4 feet, with a sand pack placed at 1.4 feet bgs and a bentonite seal set at 0.4 foot bgs. Monitoring wells MW-4, MW-5, and MW-6 were screened from 3.0 to 13.0 feet, with a sand pack placed at 2.0 feet bgs and a bentonite seal set at 1.0 foot bgs. Monitoring well MW-7 was screened from 4.0 to 14.0 feet, with a sand pack placed at 2.5 feet bgs and a bentonite seal set at 1.0 foot bgs. All monitoring well installations were logged and documented by a D&B geologist. Table 4-1 lists the monitoring well depths and construction specifications. Soil boring and monitoring well construction logs are presented in Appendix G.

## 4.7 Monitoring Well Development

Monitoring wells MW-1, MW-1A, MW-2, MW-2A, MW-3A, MW-4, MW-5, MW-6, MW-7, and MW-8 were developed by surging and evacuating groundwater using submersible pumps and dedicated tubing. Monitoring well MW-3 was not developed due to the presence of separate-phase product. Water was not removed from newly installed wells until at least one day after well completion to allow the grout and concrete surface seals to cure. Well development water was monitored for field parameters (pH, temperature, specific conductance and turbidity). Well development was continued until at least eight well volumes of groundwater were removed.

**TABLE 4-1**
**McKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**MONITORING WELL SPECIFICATIONS**

| Well ID | Date Installed | Well Diameter (inches) | Well Material | Total Depth (feet) | Screened Formation | Screen | | | Elevation (feet above mean sea level) | | | | Location | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Top (feet bgs) | Bottom (feet bgs) | Length (feet) | Casing Top | Ground Surface | Screen | | Northing (feet) | Easting (feet) |
| | | | | | | | | | | | Top | Bottom | | |
| MW-1* | 12/4/2002 | 2 | PVC | 22.0 | Overburden | 12.00 | 22.00 | 10.0 | 402.73 | 402.97 | 390.97 | 380.97 | 1107426.60 | 937525.20 |
| MW-1A | 9/21/2010 | 2 | PVC | 13.7 | Overburden | 3.72 | 13.72 | 10.0 | 402.49 | 403.02 | 399.30 | 389.30 | 1107426.60 | 937528.90 |
| MW-2* | 12/4/2002 | 2 | PVC | 20.3 | Overburden | 10.25 | 20.25 | 10.0 | 403.16 | 403.67 | 393.42 | 383.42 | 1107517.80 | 937632.90 |
| MW-2A | 9/22/2010 | 2 | PVC | 12.9 | Overburden | 2.92 | 12.92 | 10.0 | 402.87 | 403.31 | 400.39 | 390.39 | 1107513.70 | 937632.00 |
| MW-3* | 12/4/2002 | 2 | PVC | 19.5 | Overburden | 9.50 | 19.50 | 10.0 | 404.94 | 403.37 | 393.87 | 383.87 | 1107559.10 | 937551.60 |
| MW-3A | 9/22/2010 | 2 | PVC | 12.4 | Overburden | 2.35 | 12.35 | 10.0 | 403.01 | 403.54 | 401.19 | 391.19 | 1107557.40 | 937550.00 |
| MW-4 | 2/19/2008 | 2 | PVC | 13.0 | Overburden | 3.00 | 13.00 | 10.0 | 401.97 | 402.20 | 399.20 | 389.20 | 1107409.00 | 937585.80 |
| MW-5 | 2/20/2008 | 2 | PVC | 13.0 | Overburden | 3.00 | 13.00 | 10.0 | 402.18 | 402.51 | 399.51 | 389.51 | 1107408.00 | 937682.60 |
| MW-6 | 2/21/2008 | 2 | PVC | 13.0 | Overburden | 3.00 | 13.00 | 10.0 | 402.15 | 402.35 | 399.35 | 389.35 | 1107471.50 | 937619.50 |
| MW-7 | 2/21/2008 | 2 | PVC | 14.0 | Overburden | 4.00 | 14.00 | 10.0 | 403.00 | 403.32 | 399.32 | 389.32 | 1107498.90 | 937542.10 |
| MW-8 | 3/17/2010 | 2 | PVC | 15.0 | Overburden | 5.00 | 15.00 | 10.0 | 401.67 | 402.10 | 397.10 | 387.10 | 1107326.90 | 937555.80 |

Notes:
Construction details for MW-1, MW-2, and MW-3 based on information contained in SWRNA Site Investigation Report
PVC - Poly Vinyl Chloride
bgs - below ground surface
* - monitoring well decommissioned October 2010

Details of well development are provided on the Well Development Logs presented in Appendix H.

## 4.8 Water/Product Level Measurements

On February 20, 2008, an approximate thickness of 3.27 feet of separate-phase product was measured in existing monitoring well MW-3. Upon discovery of the product, the NYSDEC Spill Hotline was notified and Spill Case No. 0712291 was assigned to the Site. In addition, D&B prepared an IRM Work Plan to characterize, recover, and quantify the occurrence of separate-phase product in MW-3. Product was not observed in any other site monitoring wells.

Weekly gauging of the existing and new monitoring wells (MW-1, MW-2, MW-3, MW-4, MW-5, MW-6 and MW-7) was conducted for a period of five weeks using an optical oil/water interface probe. Depth to separate-phase product and groundwater and approximate product thickness was recorded for each well. Depth to separate phase product and groundwater elevation data are presented on Table 4-2.

Accumulated separate-phase product was removed weekly (using a dedicated bailer and cord) from monitoring well MW-3. Approximately 3.3 gallons of separate-phase product and approximately 15-20 gallons of water containing a petroleum-like sheen were removed and stored in a lockable, 55-gallon steel drum near the northwest corner of the property.

On March 23, 2010, an approximate thickness of 1.38 feet of separate product was measured in existing monitoring well MW-3.

Depth to water measurements and topographic survey data were used to calculate groundwater elevations and to prepare water table maps. Tabulated groundwater elevation data and representative water table elevation maps are presented in Appendix C.

# TABLE 4-2
# McKINNEY PROPERTY SITE
# SITE INVESTIGATION REPORT
# WATER LEVEL MEASUREMENT SUMMARY

| WELL | GROUND ELEVATION (ft MSL) | REFERENCE ELEVATION (ft MSL) | TOP OF SCREEN (ft BG) | BOTTOM SCREEN (ft BG) | DATE | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 2/20/2008 | | | 3/6/2008 | | | 3/13/2008 | | | 3/19/2008 | | | 3/28/2008 | | |
| | | | | | DTW | DTP | ELEV | DTW | DTP | ELEV | DTW | DTP | ELEV | DTW | DTP | ELEV | DTW | DTP | ELEV |
| MW-1 | 402.97 | 402.73 | 12.00 | 22.00 | 9.55 | NP | 393.18 | 8.29 | NP | NA | 8.25 | NP | NA | 7.49 | NP | NA | 7.89 | NP | NA |
| MW-1A | 403.02 | 402.49 | 3.72 | 13.72 | NI | NI | NI | NI | NI | NI | NI | NI | NI | NI | NI | NI | NI | NI | NI |
| MW-2 | 403.67 | 403.16 | 10.25 | 20.25 | 4.94 | NP | 398.22 | 5.93 | NP | NA | 5.57 | NP | NA | 4.96 | NP | NA | 5.32 | NP | NA |
| MW-2A | 403.31 | 402.87 | 2.92 | 12.92 | NI | NI | NI | NI | NI | NI | NI | NI | NI | NI | NI | NI | NI | NI | NI |
| MW-3 | 403.37 | 404.94 | 9.50 | 19.50 | 9.22 | 5.95 | 395.72 | 9.20 | 5.43 | NA | 6.30 | 5.60 | NA | 5.67 | Sheen | NA | 7.17 | 5.89 | NA |
| MW-3A | 403.54 | 403.01 | 2.35 | 12.35 | NI | NI | NI | NI | NI | NI | NI | NI | NI | NI | NI | NI | NI | NI | NI |
| MW-4 | 402.20 | 401.97 | 3.00 | 13.00 | NI | NI | NI | 4.92 | NP | 397.05 | 4.35 | NP | 397.62 | 5.40 | NP | 396.57 | 4.40 | NP | 397.57 |
| MW-5 | 402.51 | 402.18 | 3.00 | 13.00 | NI | NI | NI | 2.55 | NP | 399.63 | 2.58 | NP | 399.60 | 2.58 | NP | 399.39 | 2.41 | NP | 399.56 |
| MW-6 | 402.35 | 402.15 | 3.00 | 13.00 | NI | NI | NI | 3.25 | NP | 398.90 | 2.61 | NP | 399.54 | 2.53 | NP | 399.44 | 2.74 | NP | 399.41 |
| MW-7 | 403.32 | 403.00 | 4.00 | 14.00 | NI | NI | NI | 4.00 | NP | 399.00 | 3.84 | NP | 399.16 | 2.61 | NP | 400.39 | 3.02 | NP | 399.98 |
| MW-8 | 402.10 | 401.67 | 5.00 | 15.00 | NI | NI | NI | NI | NI | NI | NI | NI | NI | NI | NI | NI | NI | NI | NI |

| WELL | GROUND ELEVATION (ft MSL) | REFERENCE ELEVATION (ft MSL) | TOP OF SCREEN (ft BG) | BOTTOM SCREEN (ft BG) | DATE | | | DATE | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 3/29/2010 | | | 10/7/2010 | | |
| | | | | | DTW | DTP | ELEV | DTW | DTP | ELEV |
| MW-1 | 402.97 | 402.73 | 12.00 | 22.00 | 7.52 | NP | 395.21 | DC | DC | DC |
| MW-1A | 403.02 | 402.49 | 3.72 | 13.72 | NI | NI | NI | 3.44 | NI | 399.05 |
| MW-2 | 403.67 | 403.16 | 10.25 | 20.25 | 5.10 | NP | 398.06 | DC | DC | DC |
| MW-2A | 403.31 | 402.87 | 2.92 | 12.92 | NI | NI | NI | 3.74 | NI | 399.13 |
| MW-3 | 403.37 | 404.94 | 9.50 | 19.50 | 8.23 | 6.85 | 396.71 | DC | DC | DC |
| MW-3A | 403.54 | 403.01 | 2.35 | 12.35 | NI | NI | NI | 3.02 | NI | 399.99 |
| MW-4 | 402.20 | 401.97 | 3.00 | 13.00 | 5.02 | NP | 396.95 | 4.74 | NP | 397.23 |
| MW-5 | 402.51 | 402.18 | 3.00 | 13.00 | 3.95 | NP | 398.23 | 3.84 | NP | 398.34 |
| MW-6 | 402.35 | 402.15 | 3.00 | 13.00 | 4.48 | NP | 397.67 | 2.65 | NP | 399.50 |
| MW-7 (1) | 403.32 | 403.00 | 4.00 | 14.00 | NA | NA | NA | 3.12 | NP | 399.88 |
| MW-8 | 402.10 | 401.67 | 5.00 | 15.00 | 4.83 | NP | 398.17 | 5.41 | NP | 397.59 |

NOTES:

Groundwater elevations not corrected for product density

ft MSL - feet above mean sea level.

ft BG - feet below ground.

DTW - depth to water in feet relative to top of well casing.

DTP - depth to product in feet relative to top of well casing.

(1) - monitoring well re-surveyed on September 28, 2010
due to damage which occurred during building demolition activities

ELEV - groundwater elevation in feet above mean sea level.

NA - not applicable

NI - not installed

NP - none present

DC - monitoring well decommissioned

Construction details for MW-1, MW-2, and MW-3
based on information contained in SWRNA Site Investigation Report

## 4.9 Separate-Phase Product Sampling

On March 6, 2008, D&B collected one sample of separate-phase product from monitoring well MW-3 and submitted the sample to Meta Environmental, Inc. for petroleum forensic analysis. The product sample was analyzed for fuel fingerprinting, mixing ratios, age dating and the following constituents using the following methods:

- PCBs as Aroclors by Gas Chromatograph (GC)/Electron Capture Detection (ECD) Analysis using USEPA Method 8082;
- Full Qualitative Hydrocarbon Fingerprint from Hexane to Heavy Polynuclear Aromatic Hydrocarbons (PAHs) by GC/Flame Ionization Detector (FID) Analysis using USEPA Method 8100 Modified;
- Extracted Ion Profiling of Extended PAH Profiles (EPPs), Alkalated PAHs, and Selected Petroleum Biomarkers by GC/Mass Spectrometer (MS) Single Ion Monitoring Method using USEPA Method 8270 Modified, and;
- Alkylated Lead Profiling by USEPA Method 8270 Modified.

## 4.10 Monitoring Well Sampling

Three rounds of groundwater sampling were completed during the site investigation. Six groundwater samples were collected from the four newly installed monitoring wells (MW-4, MW-5, MW-6, and MW-7) and the two existing monitoring wells (MW-1 and MW-2) during the March 2008 groundwater sampling event. A groundwater sample was not collected from existing monitoring well MW-3 due to the presence of separate-phase product. One groundwater sample was collected from one newly installed off-site monitoring well (MW-8) during the March 2010 groundwater sampling event. Eight groundwater samples were collected from eight newly installed monitoring wells (MW-1A, MW-2A, MW-3A, MW-4, MW-5, MW-6, MW-7, and MW-8) during the October 2010 groundwater sampling event. Prior to sampling, each well was purged of at least three volumes of groundwater using new disposable polyethylene bailers. All of the samples were analyzed for TCL VOCs, SVOCs, pesticides, PCBs and TAL inorganics and cyanide.

Field parameters, including pH, specific conductance, turbidity and temperature, were monitored during the groundwater sampling events using a water quality instrument. Chain-of-custody forms and sample information records are presented in Appendix F.

### 4.11 Soil Vapor Probe Installation

Four subsurface soil vapor probes were installed at the Site in February 2008. One off-site subsurface soil vapor probe (SV-5) was installed south of the McKinney Property Site in March 2010. Subsurface soil vapor probe (SV-1) was installed in the southwest portion of the Site. Subsurface soil vapor probe (SV-2) was installed in the northeast portion of the Site. Subsurface soil vapor probe (SV-3) was installed in the northwest portion of the Site. Subsurface soil vapor probe (SV-4) was installed in the southeast portion of the Site. Subsurface soil vapor probe (SV-5) was installed off-site south of monitoring well MW-4. Subsurface soil vapor probe locations are presented on Figure 4-1.

The depth of the soil vapor probes ranged from approximately two feet bgs (SV-4) to seven feet bgs (SV-1). The final depth of each soil vapor probe was dependent on the actual depth to groundwater observed during drilling. Soil vapor probe construction details are provided on Soil Vapor Probe Construction Logs presented in Appendix G.

All subsurface soil vapor probes were installed using direct-push drilling techniques. The subsurface soil vapor probes were constructed using stainless steel screens and Teflon® lined polyethylene tubing. Probe screens were approximately 6-inches long and constructed of double woven stainless steel wire. The soil vapor screens were installed at the bottom of the boreholes.

The following construction details apply to the soil vapor probes. As the probe rods were withdrawn, filter glass beads were placed around the screened portion of each vapor probe extending from the bottom of the borehole to at least 0.5 feet above the screen. A bentonite seal was placed above the glass beads to a depth of 0.5 feet below grade. Flush-mount protective steel casings were installed over the soil vapor probes in concrete surface pads.

## 4.12 Soil Vapor Probe Sampling

The approved SI/RAAR work plan specified that four subsurface soil vapor samples would be collected from four subsurface soil vapor probes (SV-1 through SV-4) installed at the Site. NYSDEC requested a fifth subsurface soil vapor probe (SV-5) be installed off-site. However, only one subsurface soil vapor sample was collected from one of the subsurface soil vapor probe locations (SV-4). A hand held vacuum pump, which was capable of inducing a vacuum equivalent to 25 inches of Hg, was used to test each soil vapor sampling probe prior to sample collection. Attempts to extract vapor from soil vapor sampling probes SV-1, SV-2, SV-3, and SV-5 using the hand held vacuum pump were unsuccessful. As a result, soil vapor samples were not collected from soil vapor sampling probes SV-1, SV-2, SV-3, and SV-5.

One soil vapor sample and one ambient air sample was collected utilizing 1-liter MiniCans for laboratory analysis of select VOCs via USEPA Compendium Modified Method TO-15 using low level detection limits. Prior to receipt of the MiniCans, a certification check was performed at the laboratory with the flow controller in place for each canister. The sampling rate of the canister was controlled by the use of a calibrated orifice within the flow controller. The calibrated orifice of each flow controller was pre-set at the laboratory. The controllers were attached to the canisters prior to the gas chromatograph/mass spectrometer certification check to ensure that the flow controllers were also included in the Quality Assurance/Quality Control procedures.

Prior to sample collection, helium was used as a tracer gas to check the integrity of the surface seal at soil vapor probe SV-4 and to assess the potential for intrusion of ambient air into the samples. Hydrated bentonite powder was applied in a ring around the concrete surface pad. A stainless steel enclosure was placed over the protective steel casing and seated in the bentonite. The riser tube from the soil vapor probe was routed through the top of the enclosure. A cylinder containing helium gas was then connected to a port located on the side of the enclosure. A helium gas detector was connected to a second port located on the opposite side of the enclosure. The enclosure was then filled with helium gas until the concentration of gas

within the enclosure was near 90 percent. The soil vapor probe and riser tube were purged of at least one volume of air using an air sampling pump at a flow rate of less than 0.2 liters per minute. The probe was purged into a one liter Tedlar® bag. The contents of the Tedlar® bag was screened using the helium gas detector. The pump was then disconnected and the sampling canisters were connected to the tubing using quick-connect fittings. The samples were collected over a one hour period at a flow rate of less than 0.2 liters per minute.

### 4.13 Building Demolition

As previously discussed, the on-site buildings were condemned, demolished, and properly disposed of off-site in October 2009. SHA contracted directly with OP-Tech Environmental Services, Inc. (OP-Tech) to complete the work. Subsequently, a D&B representative was not present during the building demolition activities. However, NYSDEC and SHA requested that the work activities be documented as part of this site investigation report. As a result, a description of the work is presented below based on information provided to D&B by SHA and OP-Tech.

In correspondence dated April 9, 2009, NYSDEC required SHA to demolish and dispose of the Site buildings as ACM. Subsequently, SHA retained J.P. Stopen Engineering Partnership (Stopen) to inspect the buildings and determine structural integrity. Stopen inspected, and subsequently condemned the buildings in April 2009. As a result, SHA obtained a building demolition permit from the City of Syracuse, Department of Community Development, Division of Code Enforcement on April 14, 2009. SHA then retained OP-Tech to demolish the on-site buildings as an asbestos abatement project.

Following submittal of the required permits and plans to the USEPA, NYSDEC, and the New York State Department of Department of Labor, OP-Tech mobilized to the Site on October 19, 2009. Water contained in the basement of the main building was sampled, removed using a vacuum truck, and transported off-site for disposal. A total of 6,000 gallons of construction water was transported to Industrial Oil Tank Services as non-hazardous waste. Construction

water disposal documentation provided to D&B by OP-Tech is presented in Appendix I. Analytical results for the construction water are presented in Appendix J.

Following removal of the water, the main building and garage building were demolished. Demolition debris was separated into discrete piles including ACM and non-hazardous metal and concrete construction and demolition debris. The ACM was loaded into waste hauling trucks and hauled off-site for disposal. A total of 114.5 tons of ACM was transported to Seneca Meadows Landfill. ACM disposal documentation provided to D&B by Op-Tech is presented in Appendix I. Non-hazardous metal and concrete construction and demolition debris was transported off-site for recycling. No disposal documentation was provided to D&B for the non-hazardous metal and concrete debris.

A large machine containing hydraulic oil was encountered in the main building during demolition. The machine was decontaminated and hauled off-site to Metalico Aluminum Recovery, Inc. for recycling. Reportedly, OP-Tech performed wipe tests to verify the machine was successfully decontaminated prior to removing it from the site. No analytical data was provided to D&B. Disposal documentation associated with the machine is presented in Appendix I.

A sump containing water and mercury was encountered within the floor of the main building. OP-Tech removed the contents of the sump using a vacuum truck. Following decontamination, the sump was then cut and removed from the floor of the main building. Reportedly, the sump and a small amount of soil beneath the sump were placed into 55-gallon drums. The water, mercury, concrete and soil were then hauled off-site for disposal. OP-Tech collected a soil sample from beneath the sump to determine if operation of the sump impacted site soil. Analytical results for the sump water and soil are presented in Appendix J. Disposal documentation associated with the concrete, mercury, and soil is presented in Appendix I.

## 4.14 Health and Safety Program

A site-specific Health and Safety Plan (HASP) was prepared in accordance with the requirements of the Occupational Safety and Health Administration (OSHA) for the work conducted as part of this investigation. The HASP was prepared to provide site-specific health and safety information, and provide for worker and community protection. The HASP was dated June 2007 and was reviewed by NYSDEC. Activities conducted as part of the field investigation were conducted in accordance with the HASP.

## 4.15 Quality Assurance/Quality Control Program

A site-specific Quality Assurance/Quality Control Plan (QA/QC) was developed for the Site. Work performed during the field investigation was performed in accordance with procedures described in the QA/QC Plan. The QA/QC Plan was designed to maximize the quality and validity of the data collected during the field investigation. The QA/QC Plan describes detailed sampling and analytical procedures, as well as necessary QA/QC sampling and analyses for each sampling matrix investigated. Adherence to QA/QC protocols allows for data validation and usability analyses. In accordance with the QA/QC plan, chain of custody forms and sample information records were completed for each sample collected and are presented along with shipping records in Appendix F.

## 4.16 Data Usability Summary Reports

All laboratory analytical work was performed by Mitkem Laboratories, a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) laboratory certified in all categories of Contract Laboratory Protocol (CLP) and Solid and Hazardous Waste analytical testing. Data Usability Summary Reports were prepared by D&B and are summarized in Section 5.0. Category B deliverables were provided by the laboratory and have been retained in the project files, and are available for full data validation by a qualified independent third party, if required.

## 4.17 Investigation Derived Waste

Investigation Derived Waste generated during the investigation included soil cuttings from soil borings and monitoring wells, groundwater from well development and purging, and separate-phase product recovered from MW-3. Drill cuttings were spread on-site in the area of the soil borings. Monitoring well development and purge water was discharge to the ground surface in the area of the monitoring wells. Separate-phase product recovered from monitoring well MW-3 was containerized in a locked 55-gallon steel drum. The drum was staged near MW-3 pending characterization for future handling. Prior to disposal, the drum was stolen from the Site.

# Section 5

## 5.0 NATURE AND EXTENT OF CONTAMINATION

The purpose of this section is to discuss the results of the sampling program conducted at the McKinney Property Site. The sample analytical results are compared to the SCGs selected for the Site to determine potential impacts on human health and the environment. The nature and extent of contamination found at, and in the vicinity of the Site during the investigation is described below.

### 5.1 Identification of Standards, Criteria and Guidance

This section presents a discussion of the SCGs, which were used as screening values to determine the significance of the analytical results associated with the Site. Exceedance of the SCGs does not necessarily imply that remediation is required, but rather identifies the contaminants and media of potential concern, as well as areas of the Site that will require further evaluation as part of the exposure assessment presented in Section 6.0.

#### 5.1.1 Soil

Screening levels for surface and subsurface soil analytical results were based on NYSDEC 6 NYCRR Part 375 regulations (December 2006). Part 375 values were developed by the NYSDEC and NYSDOH based on human health criteria. Analytical results were compared to Table 375-6.8(b) Commercial Restricted Use Soil Cleanup Objectives.

#### 5.1.2 Groundwater

The screening levels for the groundwater analytical results were obtained from the NYSDEC TOGS 1.1.1, "Ambient Water Quality Standards and Guidance Values", dated June 1998. Analytical results obtained for groundwater samples are compared to Class GA groundwater standards and guidance values.

### 5.1.3 Soil Vapor

Screening levels for concentrations of compounds in soil vapor are not published. Rather, the guidance indicates that each site should be treated on a case-by-case basis and evaluated individually. As a result, the soil vapor data was compared to site-specific background data and groundwater data.

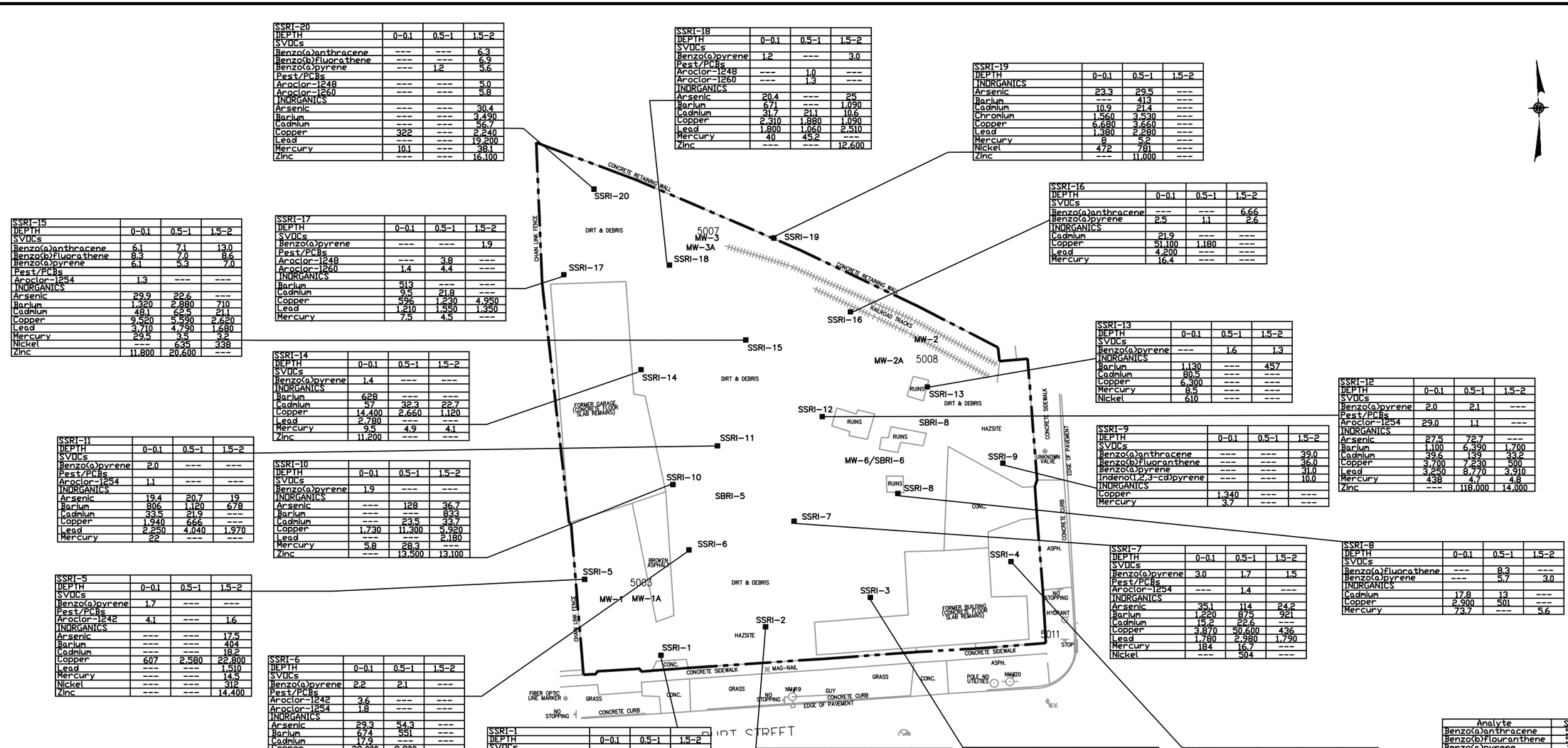
## 5.2 Surface Soil Sample Results

Sixty surface soil samples were collected for laboratory analysis from twenty locations (SSRI-1 through SSRI-20). Surface soil samples were collected from three intervals (0-0.1 bgs, 0.5-1.0 bgs, and 1.5-2.0 bgs) at each location. All samples were analyzed for TCL SVOCs, TCL Pesticides/PCBs, TAL metals, and cyanide. In addition, samples collected from 1.5-2.0 feet bgs were analyzed for TCL VOCs. Figure 5-1 summarizes exceedances of SCGs in surface soil based on laboratory data. Analytical results are presented in Appendix J.

No VOCs were detected above SCG values in any of the surface soil samples that were collected during the site investigation.

Three SVOCs were detected above SCGs in the soil samples that were collected from 0 to 0.1 feet bgs. The SCG for benzo (a) pyrene (1,000 μg/kg) was exceeded in 13 of the 20 samples with concentrations ranging from 1,200 μg/kg (SSRI-18) to 6,100 μg/kg (SSRI-15). Benzo (a) anthracene was detected in sample SSRI-15 (6,100 μg/kg) above the SCG of 5,600 μg/kg for this compound. The SCG for benzo (b) fluoranthene (5,600 μg/kg) was exceeded in sample SSRI-15 with a concentration of 8,300 μg/kg.

Three SVOCs were detected above SCGs in the soil samples that were collected from 0.5 to 1.0 feet bgs. Benzo (a) anthracene was detected in sample SSRI-1 (10,000 μg/kg) and SSRI-15 (7,100 μg/kg) above the SCG of 5,600 μg/kg for this compound. The SCG for benzo (b) fluoranthene (5,600 μg/kg) was exceeded in 9 of the 20 samples with concentrations ranging from 1,100 μg/kg (SSRI-2 and SSRI-16) to 8,900 μg/kg (SSRI-1).




| SSRI-20 | | | |
|---|---|---|---|
| DEPTH | 0-0.1 | 0.5-1 | 1.5-2 |
| SVOCs | | | |
| Benzo(a)anthracene | --- | --- | 6.3 |
| Benzo(b)fluorathene | --- | --- | 6.9 |
| Benzo(a)pyrene | --- | 1.2 | 5.6 |
| Pest/PCBs | | | |
| Aroclor-1248 | --- | --- | 5.0 |
| Aroclor-1260 | --- | --- | 5.8 |
| INORGANICS | | | |
| Arsenic | --- | --- | 30.4 |
| Barium | --- | --- | 3,490 |
| Cadmium | --- | --- | 56.7 |
| Copper | 322 | --- | 2,240 |
| Lead | --- | --- | 19,200 |
| Mercury | 10.1 | --- | 38.1 |
| Zinc | --- | --- | 16,100 |

| SSRI-18 | | | |
|---|---|---|---|
| DEPTH | 0-0.1 | 0.5-1 | 1.5-2 |
| SVOCs | | | |
| Benzo(a)pyrene | 1.2 | --- | 3.0 |
| Pest/PCBs | | | |
| Aroclor-1248 | --- | 1.0 | --- |
| Aroclor-1260 | --- | 1.3 | --- |
| INORGANICS | | | |
| Arsenic | 20.4 | --- | 25 |
| Barium | 671 | --- | 1,090 |
| Cadmium | 31.7 | 21.1 | 10.6 |
| Copper | 2,310 | 1,880 | 1,090 |
| Lead | 1,800 | 1,060 | 2,510 |
| Mercury | 40 | 45.2 | --- |
| Zinc | --- | --- | 12,600 |

| SSRI-19 | | | |
|---|---|---|---|
| DEPTH | 0-0.1 | 0.5-1 | 1.5-2 |
| INORGANICS | | | |
| Arsenic | 23.3 | 29.5 | --- |
| Barium | --- | 413 | --- |
| Cadmium | 10.9 | 21.4 | --- |
| Chromium | 1,560 | 3,530 | --- |
| Copper | 6,680 | 3,660 | --- |
| Lead | 1,380 | 2,280 | --- |
| Mercury | 8 | 5.2 | --- |
| Nickel | 472 | 781 | --- |
| Zinc | --- | 11,000 | --- |

| SSRI-16 | | | |
|---|---|---|---|
| DEPTH | 0-0.1 | 0.5-1 | 1.5-2 |
| SVOCs | | | |
| Benzo(a)anthracene | --- | --- | 6.66 |
| Benzo(a)pyrene | 2.5 | 1.1 | 2.6 |
| INORGANICS | | | |
| Cadmium | 21.9 | --- | --- |
| Copper | 51,100 | 1,180 | --- |
| Lead | 4,200 | --- | --- |
| Mercury | 16.4 | --- | --- |

| SSRI-15 | | | |
|---|---|---|---|
| DEPTH | 0-0.1 | 0.5-1 | 1.5-2 |
| SVOCs | | | |
| Benzo(a)anthracene | 6.1 | 7.1 | 13.0 |
| Benzo(b)fluorathene | 8.3 | 7.0 | 8.6 |
| Benzo(a)pyrene | 6.1 | 5.3 | 7.0 |
| Pest/PCBs | | | |
| Aroclor-1254 | 1.3 | --- | --- |
| INORGANICS | | | |
| Arsenic | 29.9 | 22.6 | --- |
| Barium | 1,320 | 2,880 | 710 |
| Cadmium | 48.1 | 62.5 | 21.1 |
| Copper | 9,520 | 5,590 | 2,620 |
| Lead | 3,710 | 4,720 | 1,680 |
| Mercury | 29.5 | 3.5 | 3.2 |
| Nickel | --- | 635 | 338 |
| Zinc | 11,800 | 20,600 | --- |

| SSRI-17 | | | |
|---|---|---|---|
| DEPTH | 0-0.1 | 0.5-1 | 1.5-2 |
| SVOCs | | | |
| Benzo(a)pyrene | --- | --- | 1.9 |
| Pest/PCBs | | | |
| Aroclor-1248 | --- | 3.8 | --- |
| Aroclor-1260 | 1.4 | 4.4 | --- |
| INORGANICS | | | |
| Barium | 513 | --- | --- |
| Cadmium | 9.5 | 21.8 | --- |
| Copper | 596 | 1,230 | 4,950 |
| Lead | 1,210 | 1,550 | 1,350 |
| Mercury | 7.5 | 4.5 | --- |

| SSRI-13 | | | |
|---|---|---|---|
| DEPTH | 0-0.1 | 0.5-1 | 1.5-2 |
| SVOCs | | | |
| Benzo(a)pyrene | --- | 1.6 | 1.3 |
| INORGANICS | | | |
| Barium | 1,130 | --- | 457 |
| Cadmium | 80.5 | --- | --- |
| Copper | 6,300 | --- | --- |
| Mercury | 8.5 | --- | --- |
| Nickel | 610 | --- | --- |

| SSRI-14 | | | |
|---|---|---|---|
| DEPTH | 0-0.1 | 0.5-1 | 1.5-2 |
| SVOCs | | | |
| Benzo(a)pyrene | 1.4 | --- | --- |
| INORGANICS | | | |
| Barium | 628 | --- | --- |
| Cadmium | 57 | 32.3 | 22.7 |
| Copper | 14,400 | 2,660 | 1,120 |
| Lead | 2,780 | --- | --- |
| Mercury | 9.5 | 4.9 | 4.1 |
| Zinc | 11,200 | --- | --- |

| SSRI-12 | | | |
|---|---|---|---|
| DEPTH | 0-0.1 | 0.5-1 | 1.5-2 |
| SVOCs | | | |
| Benzo(a)pyrene | 2.0 | 2.1 | --- |
| Pest/PCBs | | | |
| Aroclor-1254 | 29.0 | 1.1 | --- |
| INORGANICS | | | |
| Arsenic | 27.5 | 72.7 | --- |
| Barium | 1,100 | 6,330 | 1,700 |
| Cadmium | 39.6 | 139 | 33.2 |
| Copper | 3,700 | 7,230 | 500 |
| Lead | 3,250 | 8,770 | 3,910 |
| Mercury | 438 | 4.7 | 4.8 |
| Zinc | --- | 118,000 | 14,000 |

| SSRI-9 | | | |
|---|---|---|---|
| | 0-0.1 | 0.5-1 | 1.5-2 |
| SVOCs | | | |
| Benzo(a)anthracene | --- | --- | 39.0 |
| Benzo(b)fluoranthene | --- | --- | 36.0 |
| Benzo(a)pyrene | --- | --- | 31.0 |
| Indeno(1,2,3-cd)pyrene | --- | --- | 10.0 |
| INORGANICS | | | |
| Copper | 1,340 | --- | --- |
| Mercury | 3.7 | --- | --- |

| SSRI-11 | | | |
|---|---|---|---|
| DEPTH | 0-0.1 | 0.5-1 | 1.5-2 |
| SVOCs | | | |
| Benzo(a)pyrene | 2.0 | --- | --- |
| Pest/PCBs | | | |
| Aroclor-1254 | 1.1 | --- | --- |
| INORGANICS | | | |
| Arsenic | 19.4 | 20.7 | 19 |
| Barium | 806 | 1,120 | 678 |
| Cadmium | 33.5 | 21.9 | --- |
| Copper | 1,940 | 666 | --- |
| Lead | 2,250 | 4,040 | 1,970 |
| Mercury | 22 | --- | --- |

| SSRI-10 | | | |
|---|---|---|---|
| DEPTH | 0-0.1 | 0.5-1 | 1.5-2 |
| SVOCs | | | |
| Benzo(a)pyrene | 1.9 | --- | --- |
| INORGANICS | | | |
| Arsenic | --- | 128 | 36.7 |
| Barium | --- | --- | 833 |
| Cadmium | --- | 23.5 | 33.7 |
| Copper | 1,730 | 11,300 | 5,920 |
| Lead | --- | --- | 2,180 |
| Mercury | 5.8 | 28.3 | --- |
| Zinc | --- | 13,500 | 13,100 |

| SSRI-7 | | | |
|---|---|---|---|
| DEPTH | 0-0.1 | 0.5-1 | 1.5-2 |
| SVOCs | | | |
| Benzo(a)pyrene | 3.0 | 1.7 | 1.5 |
| Pest/PCBs | | | |
| Aroclor-1254 | --- | 1.4 | --- |
| INORGANICS | | | |
| Arsenic | 35.1 | 114 | 24.2 |
| Barium | 1,220 | 875 | 921 |
| Cadmium | 15.2 | 22.6 | --- |
| Copper | 9,970 | 50,500 | 436 |
| Lead | 1,780 | 2,980 | 1,790 |
| Mercury | 184 | 16.7 | --- |
| Nickel | --- | 504 | --- |

| SSRI-8 | | | |
|---|---|---|---|
| DEPTH | 0-0.1 | 0.5-1 | 1.5-2 |
| SVOCs | | | |
| Benzo(a)fluorathene | --- | 8.3 | --- |
| Benzo(a)pyrene | --- | 5.7 | 3.0 |
| INORGANICS | | | |
| Cadmium | 17.8 | 13 | --- |
| Copper | 2,900 | 501 | --- |
| Mercury | 73.7 | --- | 5.6 |

| SSRI-5 | | | |
|---|---|---|---|
| DEPTH | 0-0.1 | 0.5-1 | 1.5-2 |
| SVOCs | | | |
| Benzo(a)pyrene | 1.7 | --- | --- |
| Pest/PCBs | | | |
| Aroclor-1242 | 4.1 | --- | 1.6 |
| INORGANICS | | | |
| Arsenic | --- | --- | 17.5 |
| Barium | --- | --- | 404 |
| Cadmium | --- | --- | 18.2 |
| Copper | 607 | 2,580 | 22,800 |
| Lead | --- | --- | 1,510 |
| Mercury | --- | --- | 14.5 |
| Nickel | --- | --- | 312 |
| Zinc | --- | --- | 14,400 |

| SSRI-6 | | | |
|---|---|---|---|
| DEPTH | 0-0.1 | 0.5-1 | 1.5-2 |
| SVOCs | | | |
| Benzo(a)pyrene | 2.2 | 2.1 | --- |
| Pest/PCBs | | | |
| Aroclor-1242 | 3.6 | --- | --- |
| Aroclor-1254 | 1.8 | --- | --- |
| INORGANICS | | | |
| Arsenic | 29.3 | 54.3 | --- |
| Barium | 674 | 551 | --- |
| Cadmium | 17.9 | --- | --- |
| Copper | 28,000 | 8,800 | --- |
| Lead | 2,240 | --- | --- |
| Mercury | 110 | --- | --- |
| Nickel | 467 | --- | --- |

| SSRI-1 | | | |
|---|---|---|---|
| DEPTH | 0-0.1 | 0.5-1 | 1.5-2 |
| SVOCs | | | |
| Benzo(a)anthracene | --- | 10.0 | --- |
| Benzo(b)fluorathene | --- | 11.0 | --- |
| Benzo(a)pyrene | --- | 8.9 | 4.2 |
| INORGANICS | | | |
| Cadmium | --- | --- | 10.6 |
| Copper | 581 | 2,970 | 8,750 |
| Lead | --- | 1,220 | 1,680 |
| Mercury | 9.3 | --- | --- |

| SSRI-2 | | | |
|---|---|---|---|
| DEPTH | 0-0.1 | 0.5-1 | 1.5-2 |
| SVOCs | | | |
| Benzo(a)pyrene | 3.0 | 1.1 | --- |
| Pest/PCBs | | | |
| Aroclor-1254 | 13.0 | --- | --- |
| INORGANICS | | | |
| Arsenic | 40.6 | 21.2 | --- |
| Barium | 2,550 | 970 | --- |
| Cadmium | 34.8 | 23.9 | --- |
| Copper | 4,260 | 25,000 | --- |
| Lead | 3,640 | 2,830 | --- |
| Mercury | 230 | 21.4 | 16.3 |
| Zinc | 10,300 | 12,700 | --- |

| SSRI-3 | | | |
|---|---|---|---|
| DEPTH | 0-0.1 | 0.5-1 | 1.5-2 |
| SVOCs | | | |
| Benzo(a)pyrene | 2.5 | --- | --- |
| INORGANICS | | | |
| Cadmium | 61 | --- | --- |
| Copper | 681,000 | 350 | --- |
| Lead | 19,100 | --- | --- |
| Mercury | 26.8 | --- | --- |
| Zinc | 389,000 | --- | --- |

| SSRI-4 | | | |
|---|---|---|---|
| DEPTH | 0-0.1 | 0.5-1 | 1.5-2 |
| SVOCs | | | |
| Benzo(a)pyrene | 1.4 | --- | --- |
| INORGANICS | | | |
| Barium | 691 | --- | --- |
| Copper | 3,730 | --- | 277 |
| Lead | 1,490 | --- | --- |

| Analyte | SCG |
|---|---|
| Benzo(a)anthracene | 5.6 |
| Benzo(b)fluoranthene | 5.6 |
| Benzo(a)pyrene | 1.0 |
| Indeno(1,2,3-cd)pyrene | 5.6 |
| Aroclor-1242 | 1.0 |
| Aroclor-1248 | 1.0 |
| Aroclor-1254 | 1.0 |
| Aroclor-1260 | 1.0 |
| Arsenic | 16 |
| Barium | 400 |
| Cadmium | 9.3 |
| Chromium | 1,500 |
| Copper | 270 |
| Lead | 1,000 |
| Mercury | 2.8 |
| Nickel | 310 |
| Zinc | 10,000 |
| Cyanide | 27 |

**LEGEND:**

— — — — SITE BOUNDARY

SSRI-1 ■ SURFACE SOIL SAMPLE

**NOTES:**

SAMPLES COLLECTED FEBRUARY 2008
ALL CONCENTRATIONS IN MILLIGRAMS PER KILOGRAM (MG/KG).
VOCS – VOLATILE ORGANIC COMPOUNDS.
SVOCS – SEMI-VOLATILE ORGANIC COMPOUNDS.
PEST/PCB – PESTICIDES/POLYCHLORINATED BIPHENYLS.
SCG – 6 NYCRR PART 375 – RESTRICTED USE SCOS: COMMERCIAL.
DEPTH IN FEET BELOW GRADE.

0 40
SCALE: 1"=40'

F:\2576\2576-FIG-1.dwg

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**SYRACUSE HOUSING AUTHORITY**
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# SCG EXCEEDANCES IN SURFACE SOIL

**FIGURE 5-1**

The SCG for benzo (a) pyrene (1,000 μg/kg) was exceeded in 10 of the 20 samples with concentrations ranging from 1,100 μg/kg (SSRI-2 & SSRI-16) to 8,900 μg/kg (SSRI-1).

Four SVOCs were detected above SCGs in the soil samples that were collected from 1.5 to 2.0 feet bgs. The SCG for benzo (a) pyrene (1,000 μg/kg) was exceeded in 10 of the 20 samples with concentrations ranging from 1,300 μg/kg (SSRI-13) to 31,000 μg/kg (SSRI-9). The SCG for benzo (a) anthracene (5,600 μg/kg) was exceeded in 4 of the 20 samples with concentrations ranging from 6,300 μg/kg (SSRI-20) to 39,000 μg/kg (SSRI-9). The SCG for benzo (b) fluoranthene (5,600 μg/kg) was exceeded in 3 of the 20 samples with concentrations ranging from 6,900 μg/kg (SSRI-20) to 36,000 μg/kg (SSRI-9). The SCG for indenol (1,2,3-cd) pyrene (5,600 μg/kg) was exceeded in 1 of the 20 samples at a concentration of 10,000 μg/kg (SSRI-9).

Three PCBs were detected above SCGs in the soil samples that were collected from 0 to 0.1 feet bgs. Aroclor-1242 was detected in sample SSRI-5 (4,100 μg/kg) and SSRI-6 (3,600 μg/kg) above the SCG of 1,000 μg/kg for this compound. The SCG for Aroclor-1254 (1,000 μg/kg) was exceeded in 5 of the 20 samples with concentrations ranging from 29,000 μg/kg (SSRI-12) to 11,000 μg/kg (SSRI-11). Aroclor-1260 was detected in sample SSRI-17 (1,400 μg/kg) above the SCG of 1,000 μg/kg for this compound.

Three PCBs were detected above SCGs in the soil samples that were collected from 0.5 to 1.0 feet bgs. Aroclor-1254 was detected in sample SBRI-7 (1,400 μg/kg) and SSRI-12 (1,100 μg/kg) above the SCG of 1,000 μg/kg for this compound. Aroclor-1248 was detected in sample SSRI-17 (3,800 μg/kg) and SSRI-18 (1,500 μg/kg) above the SCG of 1,000 μg/kg for this compound. Aroclor-1260 was detected in sample SSRI-17 (4,400 μg/kg) and SSRI-18 (1,700 μg/kg) above the SCG of 1,000 μg/kg for this compound.

Three PCBs were detected above SCGs in the soil samples that were collected from 1.5 to 2.0 feet bgs. Aroclor-1242 was detected in sample SSRI-5 (1,600 μg/kg) above the SCG of 1,000 μg/kg for this compound. Aroclor-1248 was detected in sample SSRI-20 (5,000 μg/kg)

above the SCG of 1,000 µg/kg for this compound. Aroclor-1260 was detected in sample SSRI-20 (5,800 µg/kg) above the SCG of 1,000 µg/kg for this compound.

Nine metals were detected above SCGs in the soil samples that were collected from 0 to 0.1 feet bgs. The SCG for arsenic (16 mg/kg) was exceeded in 8 of the 20 samples with concentrations ranging from 19.4 mg/kg (SSRI-11) to 40.6 mg/kg (SSRI-2). The SCG for barium (400 mg/kg) was exceeded in 11 of the 20 samples with concentrations ranging from 513 mg/kg (SSRI-17) to 2,550 mg/kg (SSRI-2). The SCG for cadmium (9.3 mg/kg) was exceeded in 14 of the 20 samples with concentrations ranging from 9.5 mg/kg (SSRI-17) to 80.5 mg/kg (SSRI-13). Chromium was detected in sample SSRI-19 (1,560 mg/kg) above the SCG of 1,500 mg/kg for this compound. The SCG for copper (270 mg/kg) was exceeded in 20 of the 20 samples with concentrations ranging from 322 mg/kg (SSRI-20) to 681,000 mg/kg (SSRI-3). The SCG for lead (1,000 mg/kg) was exceeded in 13 of the 20 samples with concentrations ranging from 1,210 mg/kg (SSRI-17) to 19,100 mg/kg (SSRI-3). The SCG for mercury (2.8 mg/kg) was exceeded in 18 of the 20 samples with concentrations ranging from 3.7 mg/kg (SSRI-9) to 438 mg/kg (SSRI-12). The SCG for nickel (310 mg/kg) was exceeded in 3 of the 20 samples with concentrations ranging from 467 mg/kg (SSRI-6) to 610 mg/kg (SSRI-13). Zinc was detected in sample SSRI-2 (10,300 mg/kg) and SSRI-3 (389,000 mg/kg) above the SCG of 10,000 mg/kg for this compound.

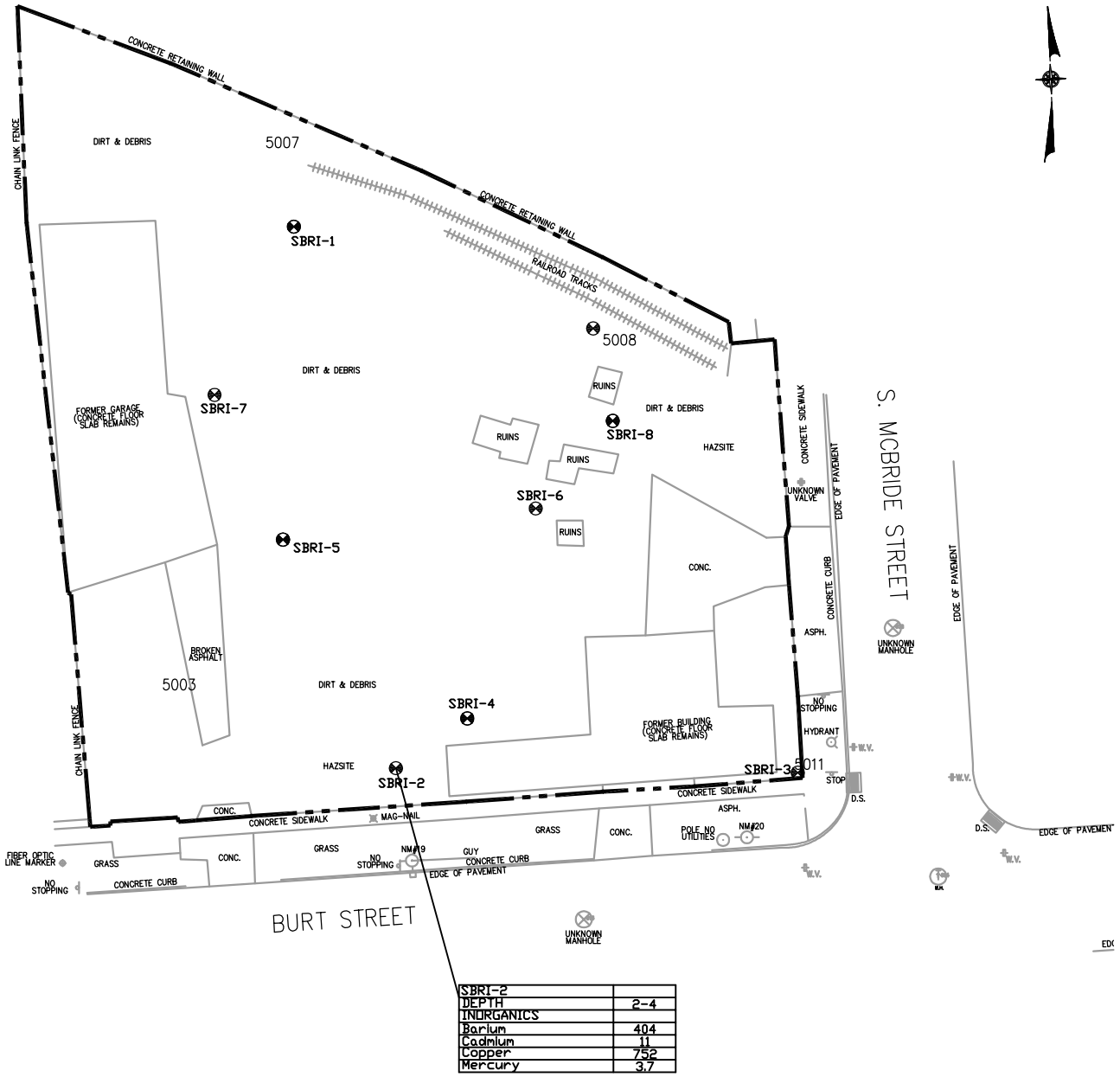
Nine metals were detected above SCGs in the soil samples that were collected from 0.5 to 1.0 feet bgs. The SCG for arsenic (16 mg/kg) was exceeded in 8 of the 20 samples with concentrations ranging from 20.7 mg/kg (SSRI-11) to 128 mg/kg (SSRI-10). The SCG for barium (400 mg/kg) was exceeded in 7 of the 20 samples with concentrations ranging from 413 mg/kg (SSRI-19) to 6,390 mg/kg (SSRI-12). The SCG for cadmium (9.3 mg/kg) was exceeded in 10 of the 20 samples with concentrations ranging from 21.1 mg/kg (SSRI-18) to 139 mg/kg (SSRI-12). Chromium was detected in sample SSRI-19 (3,530 mg/kg) above the SCG of 1,500 mg/kg for this compound. The SCG for copper (270 mg/kg) was exceeded in 16 of the 20 samples with concentrations ranging from 350 mg/kg (SSRI-3) to 50,600 mg/kg (SSRI-7). The SCG for lead (1,000 mg/kg) was exceeded in 9 of the 20 samples with concentrations ranging from 1,060 mg/kg (SSRI-18) to 8,770 mg/kg (SSRI-12). The SCG for mercury (2.8 mg/kg) was

exceeded in 9 of the 20 samples with concentrations ranging from 3.5 mg/kg (SSRI-15) to 45.8 mg/kg (SSRI-18). The SCG for nickel (310 mg/kg) was exceeded in 3 of the 20 samples with concentrations ranging from 504 mg/kg (SSRI-7) to 781 mg/kg (SSRI-19). The SCG for zinc (10,000 mg/kg) was exceeded in 4 of the 20 samples with concentrations ranging from 11,000 mg/kg (SSRI-19) to 118,000 mg/kg (SSRI-12).

Eight metals were detected above SCGs in the soil samples that were collected from 1.5 to 2.0 feet below ground surface. The SCG for arsenic (16 mg/kg) was exceeded in 6 of the 20 samples with concentrations ranging from 17.5 mg/kg (SSRI-5) to 36.7 mg/kg (SSRI-10). The SCG for barium (400 mg/kg) was exceeded in 8 of the 20 samples with concentrations ranging from 404 mg/kg (SSRI-5) to 3,490 mg/kg (SSRI-20). The SCG for cadmium (9.3 mg/kg) was exceeded in 6 of the 20 samples with concentrations ranging from 10.6 mg/kg (SSRI-1 and SSRI-18) to 56.7 mg/kg (SSRI-20). The SCG for copper (270 mg/kg) was exceeded in 11 of the 20 samples with concentrations ranging from 277 mg/kg (SSRI-4) to 22,800 mg/kg (SSRI-5). The SCG for lead (1,000 mg/kg) was exceeded in 10 of the 20 samples with concentrations ranging from 1,350 mg/kg (SSRI-17) to 19,200 mg/kg (SSRI-20). The SCG for mercury (2.8 mg/kg) was exceeded in 7 of the 20 samples with concentrations ranging from 3.2 mg/kg (SSRI-15) to 38.1 mg/kg (SSRI-20). The SCG for nickel (310 mg/kg) was exceeded in sample SSRI-5 at a concentration of 312 mg/kg and in sample SSRI-15 at a concentration of 338 mg/kg. The SCG for zinc (10,000 mg/kg) was exceeded in 5 of the 20 samples with concentrations ranging from 12,600 mg/kg (SSRI-18) to 16,100 mg/kg (SSRI-20).

### 5.3 Subsurface Soil Sample Results

Eight soil borings were advanced at the Site to collect overburden soil samples. Sixteen subsurface soil samples were collected from the eight soil borings and analyzed for TCL VOCs, TCL SVOCs, TCL Pesticides/PCBs, TAL metals and cyanide. Samples were collected at 2-foot intervals, between 2 feet bgs and the water table. Figure 5-2 summarizes exceedances of SCGs in subsurface soil based on laboratory data. Analytical results are presented in Appendix J.




| SBRI-2 | |
|---|---|
| DEPTH | 2-4 |
| INORGANICS | |
| Barium | 404 |
| Cadmium | 11 |
| Copper | 752 |
| Mercury | 3.7 |

## LEGEND:

SITE BOUNDARY

SBRI-1 ⊗ SOIL BORING

## NOTES:

SAMPLES COLLECTED FEBRUARY 2008.
ALL INORGANIC CONCENTRATIONS IN MILLIGRAMS PER KILOGRAM (MG/KG).
VOCS – VOLATILE ORGANIC COMPOUNDS.
SVOCS – SEMI–VOLATILE ORGANIC COMPOUNDS.
PERT/PCB – PESTICIDES/POLYCHLORINATED BIPHENYLS.
SCG – 6 NYCRR PART 375 – RESTRICTED USE SCOS: COMMERCIAL.
DEPTH IN FEET BELOW GRADE.

| Analyte | SCG |
|---|---|
| Barium | 400 |
| Cadmium | 9.3 |
| Copper | 270 |
| Mercury | 2.8 |

0 40
SCALE IN FEET

E:\2576\Q2576 FIG 1.dwg

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# SCG EXCEEDANCES IN SUBSURFACE SOIL

**FIGURE 5-2**

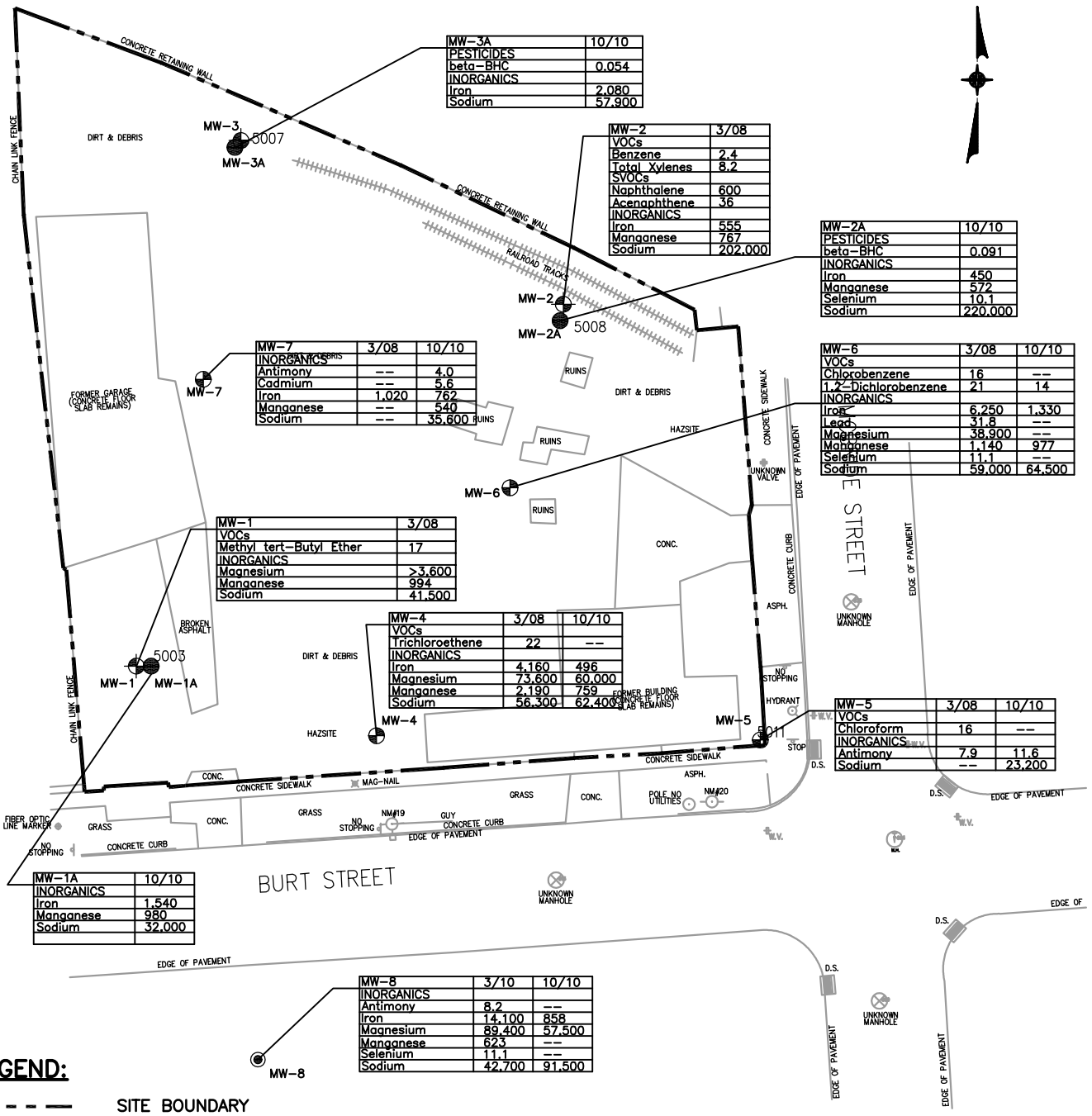
No VOCs, SVOCs, pesticides, or PCBs were detected above SCGs in the subsurface soil samples that were collected during the investigation.

SCGs were exceeded in metals analyses for barium, cadmium, copper, and mercury in one of the sixteen subsurface soil samples that were collected and analyzed during the sampling event. Barium was detected above the SCG (400 mg/kg) in SBRI-2 (2-4) at a concentration of 404 mg/kg. Cadmium was detected above the SCG (9.3 mg/kg) in SBRI-2 (2-4) at a concentration of 11 mg/kg. Copper was detected above the SCG (270 mg/kg) in SBRI-2 (2-4) at a concentration of 752 mg/kg. Mercury was detected above the SCG (2.8 mg/kg) in SBRI-2 (2-4) at a concentration of 3.7 mg/kg.

## 5.4 Groundwater Sample Results

Three rounds of groundwater sampling were completed during the site investigation. Six groundwater samples were collected from the four newly installed monitoring wells (MW-4, MW-5, MW-6, and MW-7) and the two existing monitoring wells (MW-1 and MW-2) during the March 2008 groundwater sampling event. A groundwater sample was not collected from existing monitoring well MW-3 due to the presence of separate-phase product. One groundwater sample was collected from one newly installed off-site monitoring well (MW-8) during the March 2010 groundwater sampling event. Eight groundwater samples were collected from eight newly installed monitoring wells (MW-1A, MW-2A, MW-3A, MW-4, MW-5, MW-6, MW-7, and MW-8) during the October 2010 groundwater sampling event. Prior to sampling, each well was purged of at least three volumes of groundwater using new disposable polyethylene bailers. All of the samples were analyzed for TCL VOCs, SVOCs, pesticides, PCBs and TAL inorganics and cyanide. Figure 5-3 summarizes exceedances of SCGs in groundwater based on laboratory data. Analytical results are presented in Appendix J.

Seven VOCs were detected above SCGs in the groundwater samples that were collected from the site monitoring wells during the March 2008 sampling event. Methyl Tertiary Butyl Ether was detected above its SCG (5 μg/l) in one sample (MW-1) at a concentration of 17 μg/l.




## LEGEND:

| | |
|---|---|
| — - - — | SITE BOUNDARY |
| MW-1 ⊕ | MONITORING WELL (INSTALLED 12/02 AND DECOMMISSIONED 10/10) |
| MW-4 ◔ | MONITORING WELL (INSTALLED 02/08) |
| MW-8 ◉ | MONITORING WELL (INSTALLED 03/10) |
| MW-1A ● | MONITORING WELL (INSTALLED 10/10) |

## NOTES:

ALL CONCENTRATIONS IN MICROGRAMS PER LITER (UG/L).
VOCS – VOLATILE ORGANIC COMPOUNDS.
SVOCS – SEMI-VOLATILE ORGANIC COMPOUNDS.
SCG – TECHNICAL AND OPERATIONAL GUIDANCE SERIES 1.1.1, AMBIENT WATER QUALITY STANDARDS AND GUIDANCE VALUES.

| Analyte | SCG |
|---|---|
| Benzene | 1 |
| Methyl tert-Butyl Ether | 10 |
| Chloroform | 7 |
| Trichloroethene | 5 |
| Chlorobenzene | 16 |
| Total Xylenes | 5 |
| 1,2-Dichlorobenzene | 3 |
| Naphthalene | 10 |
| Acenaphthene | 20 |
| Antimony | 3 |
| Cadmium | 5 |
| Iron | 300 |
| Lead | 25 |
| Magnesium | 35,000 |
| Manganese | 300 |
| Selenium | 10 |
| Sodium | 20,000 |

0 40

SCALE IN FEET

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# SCG EXCEEDANCES IN GROUNDWATER

**FIGURE 5-3**

F:\2576\2576-FIG-1.dwg, FIG 5-3, 12/2/2010 3:47:51 PM, KSaul

Chloroform was detected above its SCG (7 μg/l) in one sample (MW-5) at a concentration of 16 μg/l. Benzene was detected above its SCG (1 μg/l) in one sample (MW-2) at a concentration of 2.4 μg/l. Trichloroethene was detected above its SCG (5 μg/l) in one sample (MW-4) at a concentration of 22 μg/l. Chlorobenzene was detected above its SCG (5 μg/l) in one sample (MW-6) at a concentration of 16 μg/l. Total xylene was detected above its SCG (5 μg/l) in one sample (MW-2) at a concentration of 8.2 μg/l. 1,2-Dichlorobenzene was detected above its SCG (3 μg/l) in one sample (MW-6) at a concentration of 21 μg/l.

No VOCs were detected above SCGs in the groundwater sample that was collected during the March 2010 sampling event.

One VOC (1,2-Dichlorobenzene) was detected above its SCG (3 μg/l) in one sample (MW-6) at a concentration of 14 μg/l during the October 2010 sampling event.

Two SVOCs were detected above SCGs in the groundwater samples that were collected from the site monitoring wells during the March 2008 sampling event. Naphthalene was detected above its SCG (10 μg/l) in one sample (MW-2) at a concentration of 600 μg/l. Acenaphthene was detected above its SCG (20 μg/l) in one sample (MW-2) at a concentration of 36 μg/l.

No SVOCs were detected above SCGs in the groundwater samples that were collected during the March 2010 and October 2010 sampling events.

No pesticides or PCBs were detected above SCGs in the groundwater samples that were collected from the site monitoring wells during the March 2008 and March 2010 sampling events.

One pesticide was detected above its SCG in the groundwater samples that were collected from the site monitoring wells during the October 2010 sampling event. The SCG for

beta-BHC (0.04 μg/l) was exceeded in sample MW-2A at a concentration of 0.091 μg/l and in sample MW-3A at a concentration of 0.054 μg/l.

SCGs were exceeded for the metals antimony, iron, manganese, and sodium in the groundwater samples that were collected from the site monitoring wells during the March 2008 sampling event. Antimony was detected above its SCG of 3 μg/l at a concentration of 7.6 μg/l in MW-5. Iron was detected above its SCG of 300 μg/l in 4 of the 7 samples at concentrations ranging from 555 μg/l (MW-2) to 6,250 μg/l (MW-6). Manganese was detected above its SCG of 300 μg/l in 4 of the 7 samples at concentrations ranging from 767 μg/l (MW-2) to 2,190 μg/l (MW-4). Sodium was detected above its SCG of 20,000 μg/l in 4 of the 7 samples at concentrations ranging from 41,500 μg/l (MW-1) to 202,000 μg/l (MW-2).

SCGs were exceeded for the metals antimony, iron, magnesium, manganese, selenium and sodium in the groundwater sample that was collected from monitoring well MW-8 during the March 2010 sampling event. Antimony was detected above its SCG of 3 μg/l at a concentration of 8.2 μg/l in MW-8. Iron was detected above its SCG of 300 μg/l at a concentration of 14,100 μg/l in MW-8. Magnesium was detected above its SCG of 35,000 μg/l at a concentration of 89,400 μg/l in MW-8. Manganese was detected above its SCG of 300 μg/l at a concentration of 8.2 μg/l in MW-8. Selenium was detected above its SCG of 10 μg/l at a concentration of 11.1 μg/l in MW-8. Sodium was detected above its SCG of 20,000 μg/l at a concentration of 42,700 μg/l in MW-8.

SCGs were exceeded for the metals cadmium, iron, magnesium, manganese, selenium, and sodium in the groundwater sample that were collected from site monitoring wells during the October 2010 sampling event. Cadmium was detected above its SCG of 5 μg/l at a concentration of 5.6 μg/l in MW-7. Iron was detected above its SCG of 300 μg/l in 7 of the 8 samples at concentrations ranging from 450 μg/l (MW-2A) to 2,080 μg/l (MW-3A). Magnesium was detected above its SCG of 35,000 μg/l at a concentration of 60,000 μg/l in MW-4 and 57,500 μg/l in MW-8. Manganese was detected above its SCG of 300 μg/l in 5 of the 8 samples at concentrations ranging from 540 μg/l (MW-7) to 980 μg/l (MW-1A). Selenium was detected above its SCG of 10 μg/l at a concentration of 10.1 μg/l in MW-2A. Sodium was detected above

its SCG of 20,000 μg/l in 8 of the 8 samples at concentrations ranging from 23,200 μg/l (MW-5) to 220,000 μg/l (MW-2A).

## 5.5 Separate-Phase Product Sample Results

One sample of the separate-phase product from monitoring well MW-3 was collected and submitted to Meta Environmental, Inc. for petroleum forensic analysis. The product sample was analyzed for fuel fingerprinting, mixing ratios, age dating and the following constituents using the following methods:

- PCBs as Aroclors by GC/ECD Analysis using USEPA Method 8082;
- Full Qualitative Hydrocarbon Fingerprint from Hexane to Heavy PAHs by GC/FID Analysis using USEPA Method 8100 Modified;
- Extracted Ion Profiling of EPPs, Alkalated PAHs, and Selected Petroleum Biomarkers by GC/MS Single Ion Monitoring Method using USEPA Method 8270 Modified, and;
- Alkylated Lead Profiling by USEPA Method 8270 Modified.

Based on the forensic analysis (Appendix K), the separate phase product sample from monitoring well MW-3 contained a mixture of pyrogenic and petrogenic materials. Pyrogenic materials are produced by fires, internal combustion engines, and furnaces. They are also formed when coke or gas are produced from coal or oil. Coal-tar based products, such as roofing materials, pavement sealers, waterproofing materials, pesticides, and some shampoos contain pyrogenic materials. Petrogenic substances include crude oil and crude oil derivatives such as gasoline, heating oil, and asphalt.

According to Meta Environmental, Inc., the predominant feature of the product is the petrogenic material tentatively identified as lubricating oil similar to motor oil. This material represents approximately 99.5% of the total separate phase product weight.

The source of the pyrogenic PAHs cannot be determined; however incomplete combustion within a gasoline or diesel fuel engine can generate PAHs that are dissolved by the motor oil. Leaking motor oil from demolished cars staged on-site or crushing of demolished cars on-site is the most likely activity leading to the release of motor oil to the ground surface.

PAHs are present in wood preservatives, roofing shingles, tar, and waterproofing materials. A release of motor oil coming into contact with these materials can exhibit some concentration of PAHs. Meta Environmental, Inc. results indicate a small concentration of the PAHs in the sample (i.e., <1%) was likely a coal tar derivative rather than a motor oil lubricant (i.e., remaining 99% of the sample).

The sample was analyzed for tetraethyl lead, which was used in gasoline as an anti-knock agent. No tetraethyl lead was present above the detection limit.

## 5.6 Subsurface Soil Vapor Sample Results

In September 2008, one soil vapor sample (SV-4) and one ambient air sample (AA-1) were collected from the Site. Attempts to sample soil vapor from probes SV-1, SV-2, SV-3, and SV-5 were unsuccessful. Samples were analyzed for select VOCs via USEPA Compendium Modified TO-15. Analytical results are presented in Appendix K.

VOCs were detected in the subsurface soil vapor and ambient air samples include 1,1,1-trichloroethane, benzene, cis-1,2-dichloroethene, ethylbenzene, m&p-xylene, o-xylene, tetrachloroethylene, toluene, and trichloroethene. 1,1,1-Trichloroethane was detected in SV-4 at a concentration of 5.66 $\mu g/m^3$. Benzene was detected in AA-1 at a concentration of 0.779 $\mu g/m^3$. cis-1,2-Dichloroethene was detected in SV-4 at a concentration of 0.443 $\mu g/m^3$. Ethylbenzene was detected in AA-1 at a concentration of 1.32 $\mu g/m^3$. m&p-Xylene was detected in AA-1 at a concentration of 2.43 $\mu g/m^3$. o-Xylene was detected in AA-1 at a concentration of 1.19 $\mu g/m^3$. Tetrachloroethylene was detected in SV-4 at a concentration of 4.96 $\mu g/m^3$. Toluene was detected in SV-4 at a concentration of 0.421 $\mu g/m^3$ and AA-1 at a concentration of 3.26 $\mu g/m^3$.

Trichloroethene was detected in SV-4 at a concentration of 1.37 $\mu g/m^3$ and AA-1 at a concentration of 1.15 $\mu g/m^3$.

## 5.7 Data Usability Summary Reports

Sixty surface soil, sixteen sub-surface soil and sixteen groundwater samples were collected as part of the site investigation. The samples were analyzed TCL VOCs, TCL SVOCs, pesticides, PCBs, TAL metals, and cyanide. Only twenty of the sixty surface soil samples were analyzed for TCL VOCs.

Sample analysis was performed by Mitkem Corporation in accordance with NYSDEC 6/2000 ASP. The data packages have been reviewed for contract and method compliance to determine the usability of the sample results. The findings of the review process are summarized below.

All samples were analyzed with the method specified holding times.

Several samples (VOC and SVOC fractions) required reanalysis due to surrogate recoveries and/or internal standard area counts being outside QC limits. The reanalysis proved matrix interference and results from the initial analysis was utilized for environmental assessment purposes.

Several samples (VOC, SVOC and/or pesticides and PCB fractions) required reanalysis at secondary dilutions due to compound concentrations exceeding the instrument calibration range. The results for the effected compounds were taken from the diluted analysis and are flagged “D” on the data summary tables.

Numerous metals were detected in the initial calibration and preparation blanks. The following metal was less than ten times the concentration found in the blank and were qualified as non-detect (U): antimony in MW-5 and MW-7; beryllium in MW-1A; chromium in MW-1A, MW-3A, MW-4, MW-5, MW-6, MW-7 and MW-8; cobalt and vanadium in all samples; copper

in MW-1A, MW-2A, MW-3A, MW-4, MW-5, and MW-8; nickel in MW-1A, MW-3A and MW-7; and zinc in MW-1A, MW-4, MW-5, MW-6 and MW-8.

The iron RPD was above the QC limit of 20 percent for the laboratory duplicate associated with all samples. Iron was qualified as estimated (J) in all samples.

No other problems were found with the sample results and all results are deemed usable for environmental assessment purposes as qualified above.

Data usability summary report forms are presented in Appendix L.

# Section 6

## 6.0 QUALITATIVE EXPOSURE ASSESSMENT

The purpose of a qualitative exposure assessment is to determine the degree to which on-site contamination poses a threat, the conditions under which the contamination poses the threat, and the degree of remediation required. In order to determine the degree of exposure and the need for remediation, the likelihood of human exposure pathways being completed was evaluated. The findings of this assessment, and its conclusions provided in Section 7.0, will form the basis for the need for remediation of the Site.

Exposure to contaminants occurs when an exposure pathway is complete. An exposure pathway has five elements: 1) a contaminant source (waste disposal area or point of discharge); 2) contaminant release and transport mechanisms; 3) a point of exposure (a location where human contact with the medium takes place); 4) a route of exposure (i.e., ingestion, inhalation or dermal absorption); and 5) a receptor population. An exposure pathway is said to be complete when each of the five elements is present. If one or more of the elements is absent, the pathway is said to be potentially complete. An exposure pathway may be eliminated from consideration if any one of the five elements has not existed in the past, does not exist in the present, and will never exist in the future.

The following sections address each of the five elements of the potential exposure pathways. The first and last elements (contaminant source and receptor population) are discussed in Sections 6.1 and 6.2. The remaining elements of the exposure pathway are discussed in Sections 6.3 through 6.7 in relation to each contaminant medium investigated. Section 6.7 provides conclusions of the exposure assessment.

### 6.1 Contaminant Source

The results of the site investigation indicate that SVOCs, PCBs, and metals are the primary contaminants of concern, and surface soil is the primary medium of concern at the McKinney Property Site. Low concentrations of VOCs, SVOCs, and pesticides have also been detected in subsurface soil, but do not exceed SCGs established for the subsurface soil on-site.

Metals exceed SCGs in one subsurface soil sample. Dissolved concentrations of VOCs, SVOCs, and metals, to lesser extent, are a concern in groundwater. Separate-phase product was encountered in MW-3.

## 6.2 Receptor Population

Although the Site is located in a commercial/residential area of an urban community, the surrounding population is limited in the immediate vicinity of the Site. The Site is bordered by an elevated railroad and the Syracuse University Steam Station Plant to the north and Burt Street and vacant lots to the south. A National Grid substation is located south of the commuter parking lot. The Site is bordered by South McBride Street and a vacant lot to the east. The Interstate 81 "Viaduct" and Crouse Hospital are located further east. Several commercial properties are located to the west. One residential property is located west of the Site. Other residential properties are located further north, south and east beyond adjoining commercial properties.

Potential human receptors at the McKinney Property Site include pedestrians, trespassers, construction workers, and City of Syracuse employees. Access to the Site is controlled and temporary fencing limits access to the Site. Prior to installation of the fencing, D&B has observed trespassers using foot trials across the Site to access Burt Street and McBride Street. In addition, visual evidence suggests that site buildings may have been utilized by indigents prior to demolition.

Individuals entering the Site could encounter impacted soil. Pedestrians using nearby sidewalks could also encounter impacted soil migrating from the Site.

## 6.3 Surface Soil

Surface soil is a potential release and transport mechanism. SVOCs, PCBs, and metals exceed SCGs, and are present at elevated concentrations throughout the Site. Possible routes of exposure to contaminants in surface soil include ingestion, inhalation and dermal absorption.

Ingestion is a potential exposure route, although it is unlikely that intentional ingestion of soil would occur. Inhalation is a potential exposure route if soil becomes airborne. Inhalation is possible if soil is disturbed or left without vegetative cover. The likelihood of exposure to surface soil is moderate under current site conditions and moderate for potential future development that would likely involve excavating, stockpiling, and re-grading surface soils. This exposure pathway is potentially complete.

Dermal absorption may be likely because an individual may walk across the surface soil, however, skin exposure would be low since employees, trespassers, workers, and pedestrians would likely be wearing shoes or boots. There is also the potential for incidental, off-site tracking of surface soil. Surface soil could migrate onto sidewalks and roadways. Dermal contact with surface soil would likely be for a short duration. The likelihood of exposure to surface soil is moderate under current site conditions and moderate for potential future development that would likely involve excavating, stockpiling, and re-grading surface soils. This exposure pathway is potentially complete.

## 6.4 Subsurface Soil

Subsurface soil is a potential release and transport mechanism. Low concentrations of VOCs, SVOCs, and pesticides have been detected in subsurface soils, but do not exceed SCGs established for the subsurface soil on-site. Metals exceed SCGs in one subsurface soil sample.

Possible routes of exposure to contaminants in subsurface soil include ingestion, inhalation and dermal absorption. At the present time, ingestion is an unlikely exposure route because access to subsurface soil is limited. Inhalation is an unlikely exposure route because the soil would need to become airborne and the subsurface nature of the soil currently prevents this from occurring under normal conditions. Dermal absorption is also unlikely because subsurface soil would need to be exposed. Ingestion, inhalation and dermal absorption would be more feasible routes of exposure in the event that soil is excavated at the site, possibly during future development.

The likelihood of exposure to subsurface soil is low based on existing conditions and the exposure pathway is potentially complete. Exposure could be moderate if the Site is developed further.

## 6.5 Groundwater

Groundwater is another contaminant release and transport mechanism at the Site. VOCs, SVOCs, pesticides, and metals have been detected above groundwater standards in Site monitoring wells. VOCs detected above SCGs in the groundwater samples include methyl tertiary butyl ether, chloroform, benzene, trichloroethene, chlorobenzene, total xylene, and 1,2-dichlorobenzene. Additionally, separate-phase product was present in monitoring well MW-3 prior to decommissioning. SVOCs detected above SCGs in the groundwater samples include naphthalene and acenaphthene. The pesticide beta-BHC was detected above its SCG in the groundwater samples. Metals detected above SCGs in the groundwater samples include antimony, cadmium, iron, lead, manganese, magnesium, selenium, sodium and cadmium.

Shallow groundwater flow on-site is to the south/southwest. The closest receptor is Onondaga Creek, which is located approximately 0.5 miles west of the Site. It is unlikely that the levels of VOCs, SVOCs, pesticides and metals in groundwater have any impact on Onondaga Creek. Potential groundwater exposure points include the monitoring wells and construction water that may be encountered during future site development involving subsurface excavation to and below the water table.

Public water is available in the area of the Site. Businesses and residences located in the vicinity of the Site obtain potable water from public water supply sources, which are not in close proximity to the Site. Ingestion, inhalation, and dermal contact could occur if groundwater is used for drinking, cooking, bathing, cleaning or gardening; however, it is unlikely that groundwater sources would be developed at the Site.

Due to the restricted access to monitoring wells and unlikely development of a groundwater supply source, exposure to contaminated groundwater emanating from the Site is unlikely. As a result, exposure to groundwater poses a low risk and is a potentially complete pathway.

## 6.6 Soil Vapor

Although five subsurface soil vapor probes were installed at the Site, only one probe was successfully sampled. As such, the NYSDEC has determined that the results of the soil vapor sampling program are inconclusive. Sample results from soil vapor probe (SV-4) and ambient air (AA-1) are discussed below.

VOCs detected in the subsurface soil vapor sample include 1,1,1-trichloroethane, cis-1,2-dichloroethene, tetrachloroethylene, toluene, and trichloroethene. Trichloroethene was also detected in the ambient air sample at a similar concentration to the soil vapor sample. Trichloroethene was the only contaminant detected in both the groundwater samples and the soil vapor sample.

Possible routes of exposure to soil vapor contaminants include inhalation. Under current site conditions, the likelihood of exposure to vapor contaminants is low. However, exposure to vapor contaminants is possible under future site development scenarios that would include sub-grade foundations, basement work, and/or living spaces. As a result, this exposure pathway is potentially complete.

Since the results of the soil vapor sampling program were inconclusive and the exposure pathway is potentially complete, the potential for soil vapor intrusion should be evaluated prior to the construction of any future buildings on the Site.

## 6.7 Conclusions

Exposure to contaminants originating from the McKinney Property Site can come from any one of four media, which include surface soil, subsurface soil, groundwater, and vapor. Table 6-1 provides a summary status of exposure pathways identified at the Site. Based on the site investigation results and qualitative exposure assessment, current and future exposure to SVOCs, PCBs, and metals contaminated surface soil poses a potential risk to human health at the Site. Exposure to VOCs, SVOCs, pesticides, and metals contaminated soil is unlikely under current site conditions, however, exposure to contaminated subsurface soil poses a potential risk to human health if the subsurface soil is exposed (i.e. during site development). Exposure to VOCs, SVOCs, pesticide and metals contaminated groundwater under current conditions is unlikely. Exposure to vapors under current site conditions is unlikely, however, exposure to contaminated vapor is possible under future development scenarios, which include sub-grade foundations, basement work, and/or living spaces.

**TABLE 6-1**
**McKINNEY PROPERTY SITE**
**SITE INVESTIGATION**
**EXPOSURE PATHWAY STATUS FOR HUMAN RECEPTORS**

| Media | Exposure Point | Route of Exposure | Current Pathway Status | Future Pathway Status |
|---|---|---|---|---|
| Surface Soil | Site surface | Ingestion | Potentially complete | Potentially complete |
| | Site surface | Inhalation | Potentially complete | Potentially complete |
| | Site surface | Dermal Contact | Potentially complete | Potentially complete |
| Subsurface Soil | Subsurface | Ingestion | Potentially complete, but unlikely | Potentially complete |
| | Subsurface | Inhalation | Potentially complete, but unlikely | Potentially complete |
| | Subsurface | Dermal Contact | Potentially complete, but unlikely | Potentially complete |
| Groundwater | Monitoring wells or Construction Water | Ingestion | Potentially complete, but unlikely | Potentially complete |
| | Monitoring wells or Construction Water | Inhalation | Potentially complete, but unlikely | Potentially complete |
| | Monitoring wells or Construction Water | Dermal Contact | Potentially complete, but unlikely | Potentially complete |
| Soil Vapor | Open excavations or future basements | Ingestion | Incomplete | Incomplete |
| | Open excavations or future basements | Inhalation | Potentially complete | Potentially complete |
| | Open excavations or future basements | Dermal Contact | Potentially complete, but unlikely | Potentially complete, but unlikely |

# Section 7

## 7.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the results of the McKinney Property site investigation, the following conclusions and recommendations are presented:

### 7.1 Conclusions

- The McKinney Property Site was used as a scrap metal storage/processing facility. Reportedly, site activities consisted of the operation of hydraulic machinery, an oil-water separator, capacitors containing dielectric fluid, and petroleum storage tanks. In addition, the property was used for storage of scrap automobiles, household appliances, and other metal debris;
- Aerial photographs and Sanborn Fire Insurance Maps® indicate the Site once encompassed an "L" shaped area much larger than depicted on current site maps;
- Stained soil, elevated PID readings, and debris were encountered at several of the surface soil sample locations. SVOCs, PCBs, and metals were detected in surface soil at the Site at concentrations exceeding SCGs. Site-related contaminants are widespread and somewhat uniformly distributed throughout the Site extending to the property boundaries;
- Depth to groundwater averaged 5.0 feet below ground surface, with a minimum depth to water of 2.41 feet below ground surface in MW-5 and a maximum depth to water of 9.55 feet below ground surface in MW-1;
- Overburden groundwater flow is to the south/southwest;
- Separate-phase product was encountered in monitoring well MW-3. Dissolved VOCs, SVOCs, pesticide and metal concentrations exceeded SCGs in groundwater samples collected from the Site. The contaminant plume extends to the property boundary;
- No VOCs, SVOCs, PCBs or pesticides were detected at concentrations in excess of SCGs in off-site monitoring well MW-8;

- VOCs were detected in the subsurface soil vapor sample. Trichloroethene was the only contaminant detected in both the groundwater samples and the soil vapor sample. Trichloroethene was also detected in the ambient air sample at a similar concentration to the soil vapor sample;
- Two underground anomalies were identified as part of the geophysical survey. These anomalies were interpreted to be scrap metal and/or concrete and do not appear to be USTs; and,
- The results of the human health exposure assessment indicate that the exposure pathways for surface soil are complete at this time and there is the potential that additional pathways are complete or may become complete in the future. The potential for additional exposure pathways is based on the potential for contact with contaminated surface soil, and contact with contaminated subsurface soil and groundwater if construction occurs at the Site. In addition, exposure to vapor contaminants is possible under future site development scenarios.

## 7.2 Recommendations

Observations made during the site investigation and comparison of sample analytical results to SCGs for the McKinney Property Site indicate that the Site is contaminated and site-related contaminants are widespread and extend to the property boundaries.

Based on the site conditions and exposure assessment and comments provided by the NYSDEC, the following recommendation is made for the McKinney Property Site:

- The investigation has provided the information required to proceed with the Remedial Alternatives Analysis Report for the Site. Accordingly, there are no additional investigation activities recommended at this time.

# Section 8

## 8.0 REFERENCES


Cadwell and Muller 1988. Surficial Geologic Map of New York, Finger Lakes Sheet. New York State Museum – Geological Survey, Map and Chart Series #40.

D&B, 2007. Site Investigation and Remedial Alternatives Analysis Report Work Plan – McKinney Property Site. Site Code E734086. June 2007.

D&B, 2007. SI/RAAR Work Plan Amendment – McKinney Property Site. Site Code E734086. December 2007.

D&B, 2008. Interim Remedial Measures Work Plan – McKinney Property Site. Site Code E734086. March 2008.

NYSDEC, 1998. Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1. June 1998 (April 2000 addendum).

NYSDEC, 2006. 6 NYCRR Part 375, Environmental Remediation Programs, Subparts 375-1 to 375-4 and 375-6. NYSDEC Division of Environmental Remediation. December 14, 2006.

NYSDEC, 2009. Meeting, April 1, 2009 / Site Investigation Report, February 2009 – McKinney Property (Site No. E734086) – 1226 McBride Street – Syracuse, New York 13202. April 9, 2009.

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NYSDEC, 2010. Comment Letter, Site Investigation Report, June 2010 – McKinney Property (Site No. E734086) – 1226 McBride Street – Syracuse, New York 13202. July 14, 2010.

NYSDEC, 2011. Comment Letter, Site Investigation Report, December 2010 – McKinney Property (Site No. E734086) – 1226 McBride Street – Syracuse, New York 13202. April 15, 2011.

NYSDEC, 2011. Comment Letter Response, May 23, 2011 – McKinney Property (Site No. E734086) – 1226 McBride Street – Syracuse, New York 13202. August 18, 2011.

NYSDOH, 2006. Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York. October 2006.

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S&W Redevelopment of North America, LLC, 2004. Site Investigation McKinney Parcel. January 2004.

United States Department of Agriculture, 1977. Soil Survey of Onondaga County, New York. Soil Conservation Service in cooperation with Cornell University Agricultural Experiment Station.

# Appendix A

# APPENDIX A

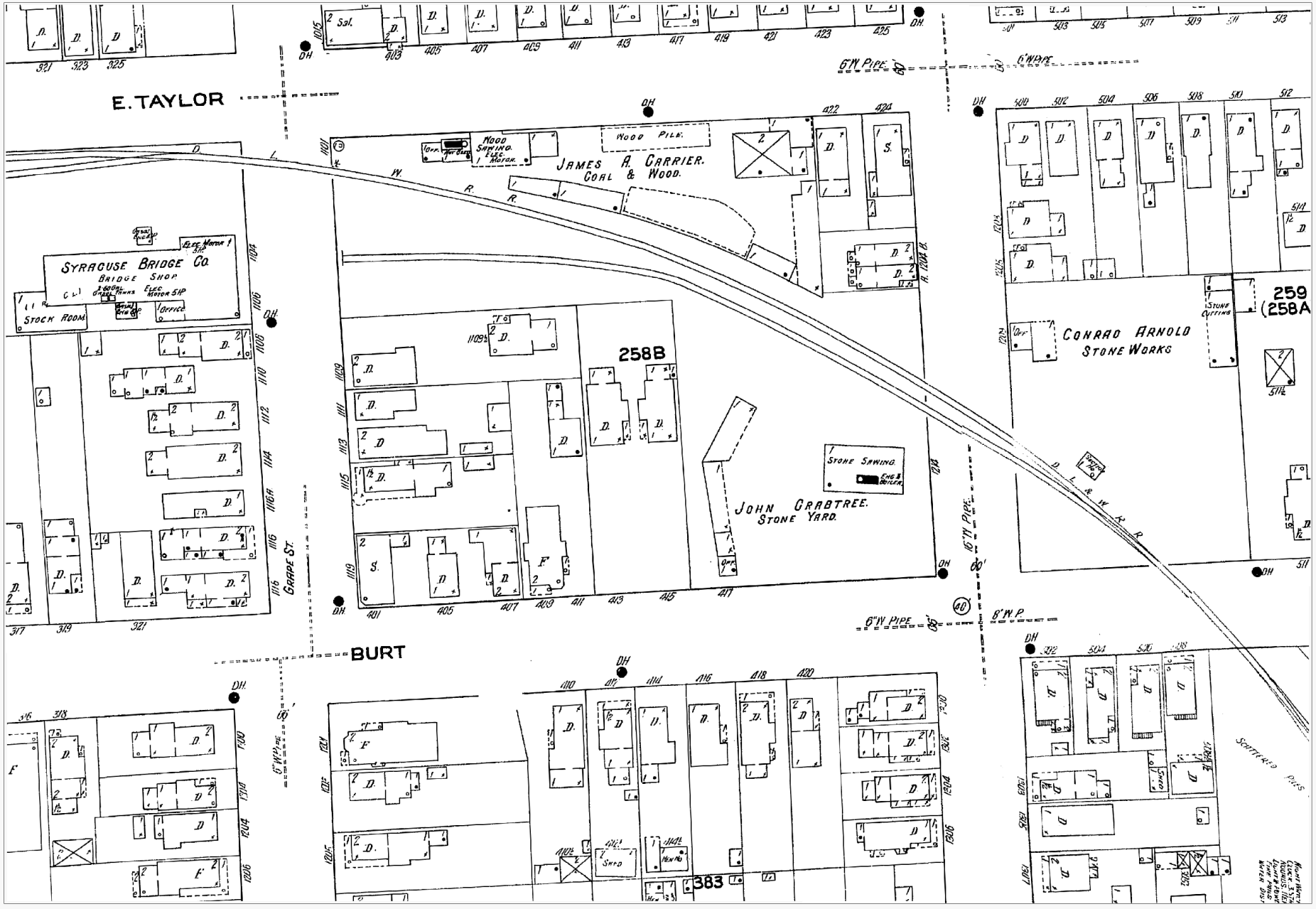
# HISTORIC AERIAL PHOTOGRAPHS AND SANBORN FIRE INSURANCE MAPS®

# Syracuse Historic Map

1892

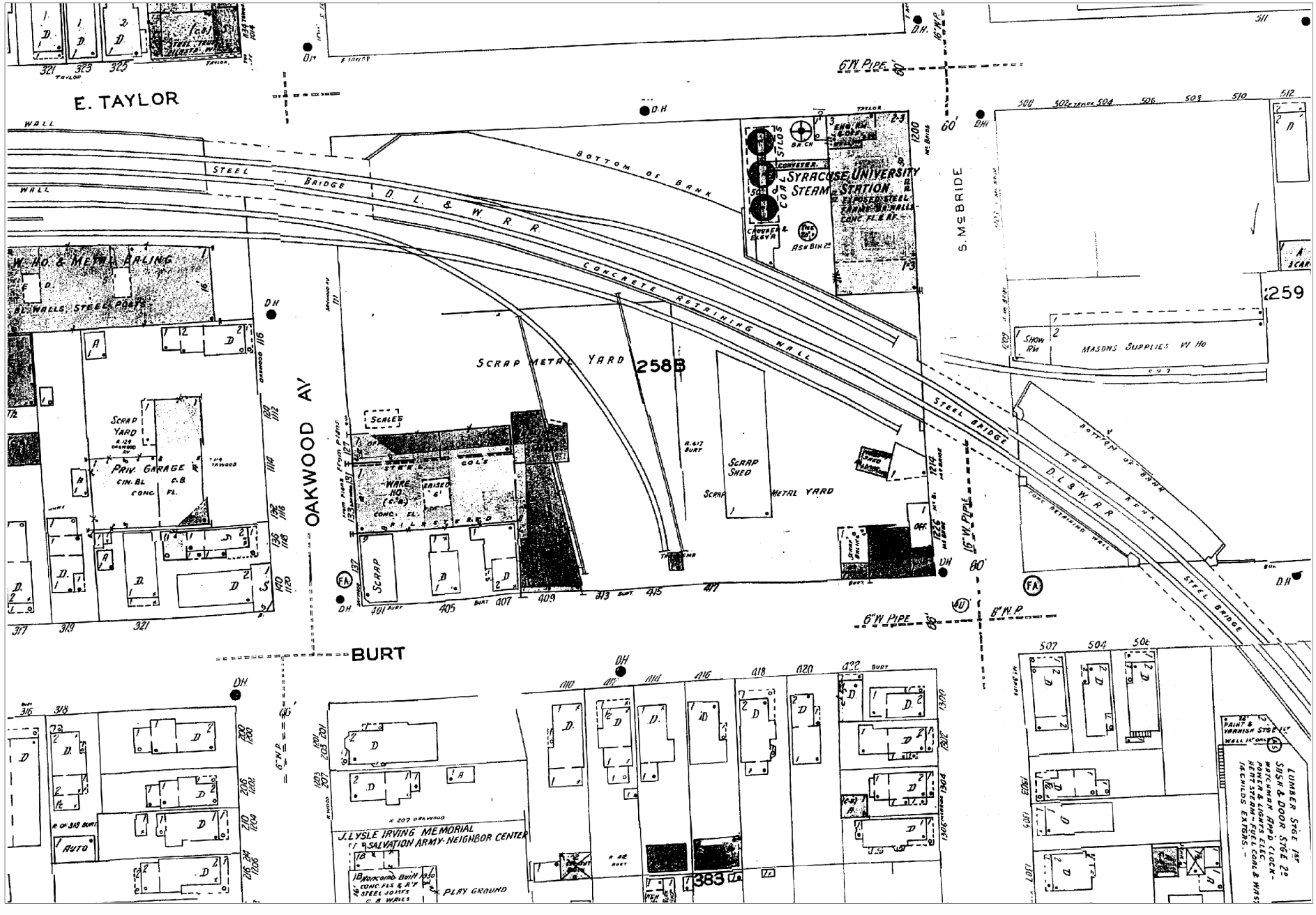
# Syracuse Historic Map

1910



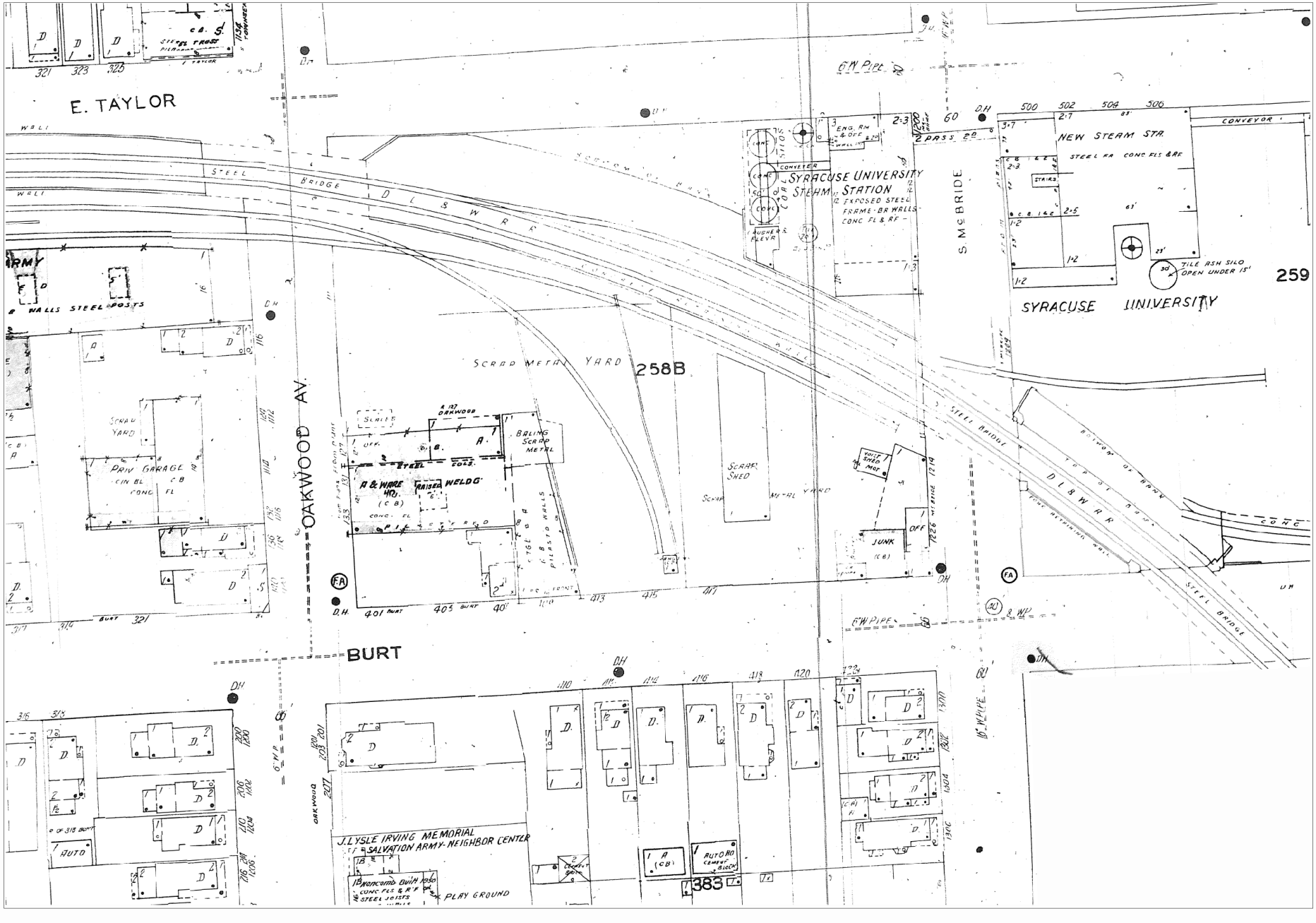
# Syracuse Historic Map

1951



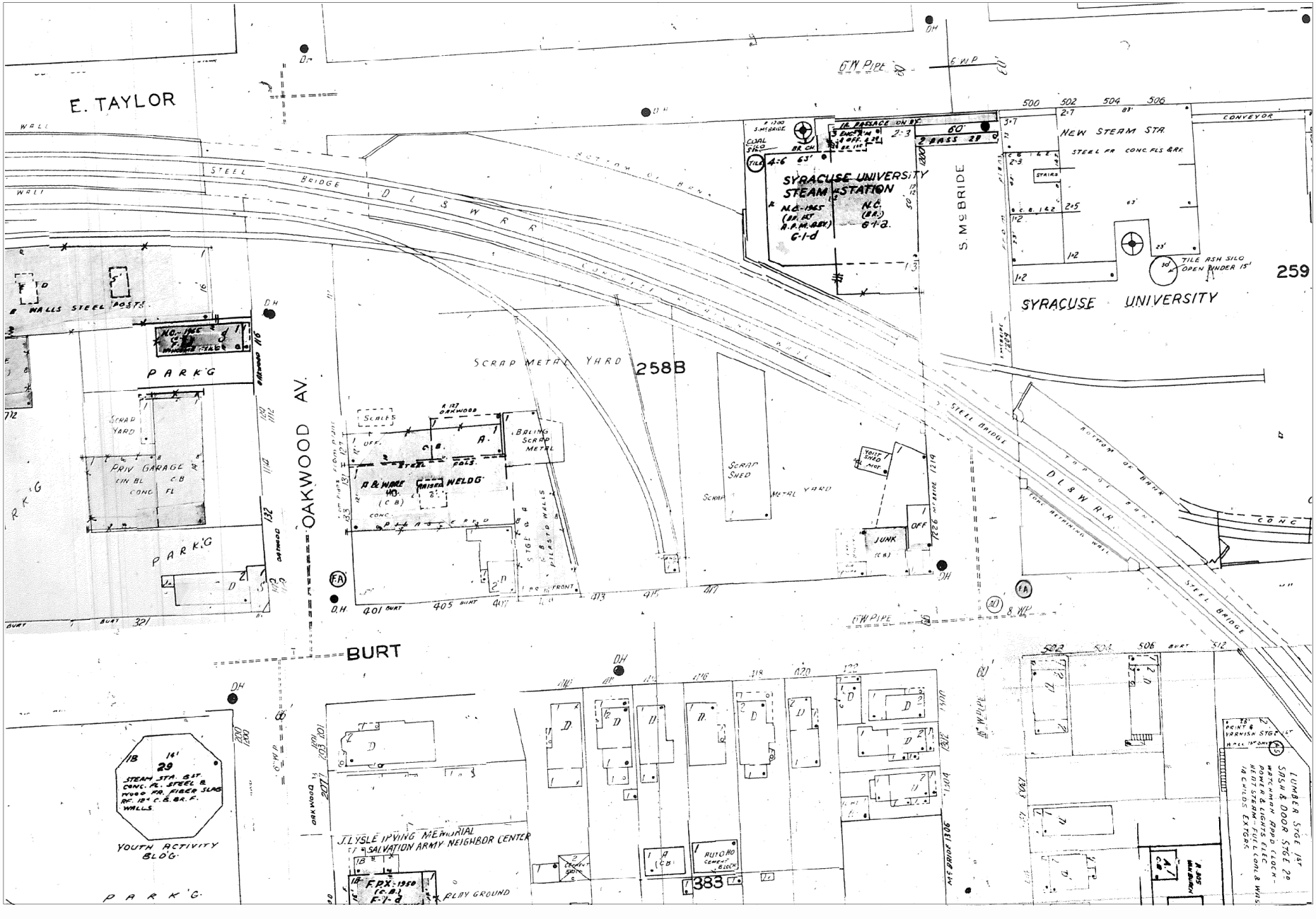
# Syracuse Historic Map

1961



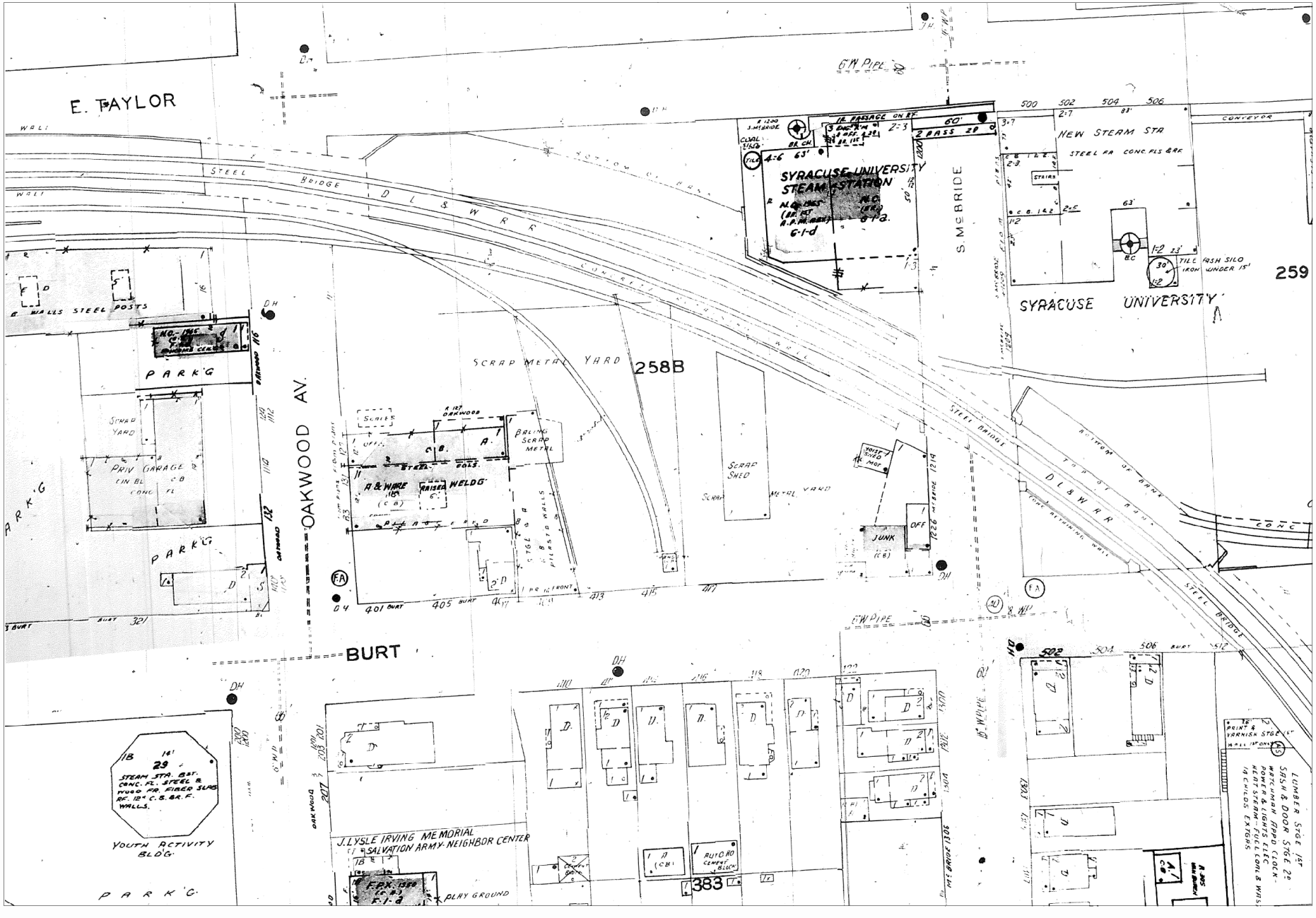
# Syracuse Historic Map

1968



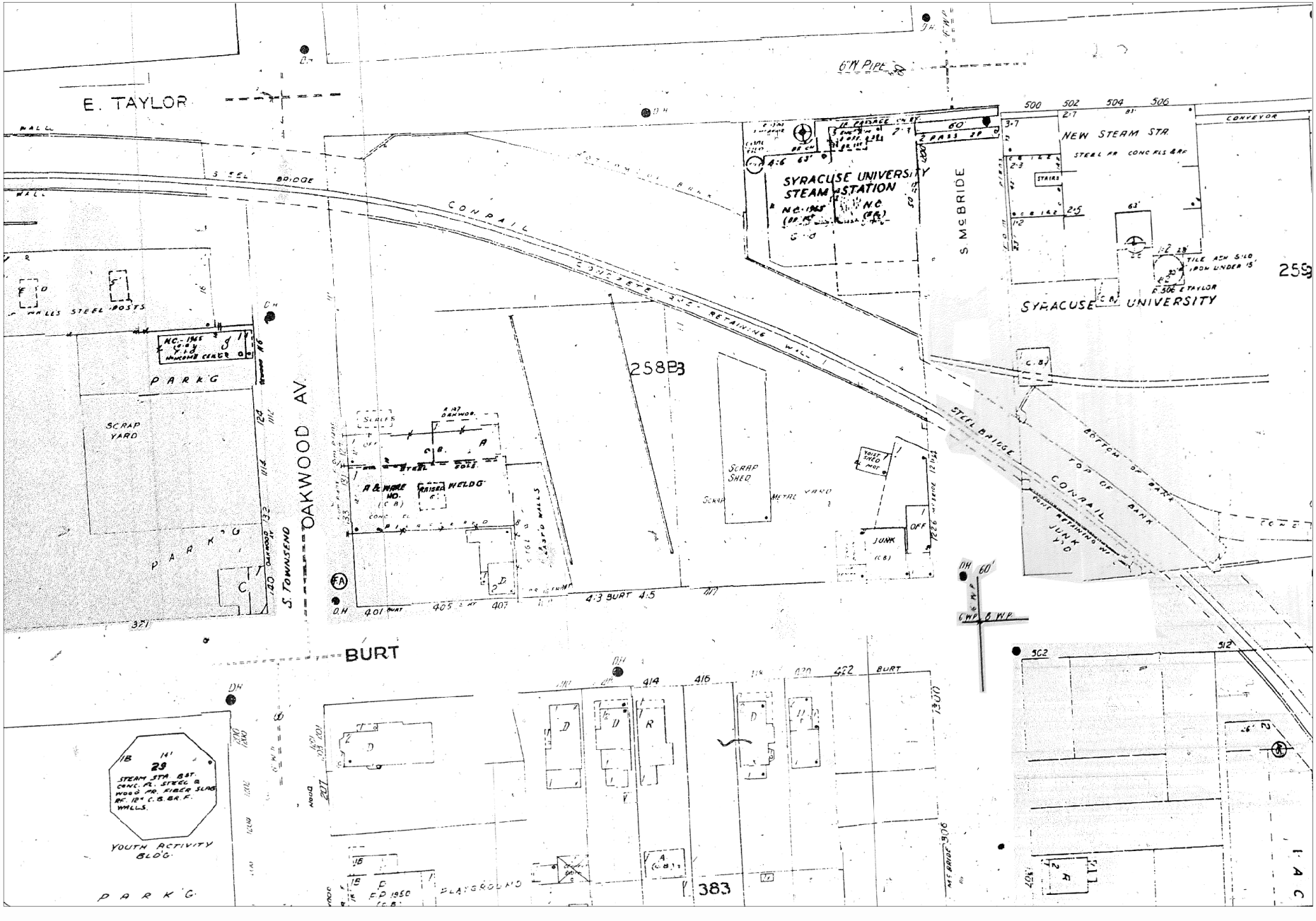
# Syracuse Historic Map

1971



# Syracuse Historic Map

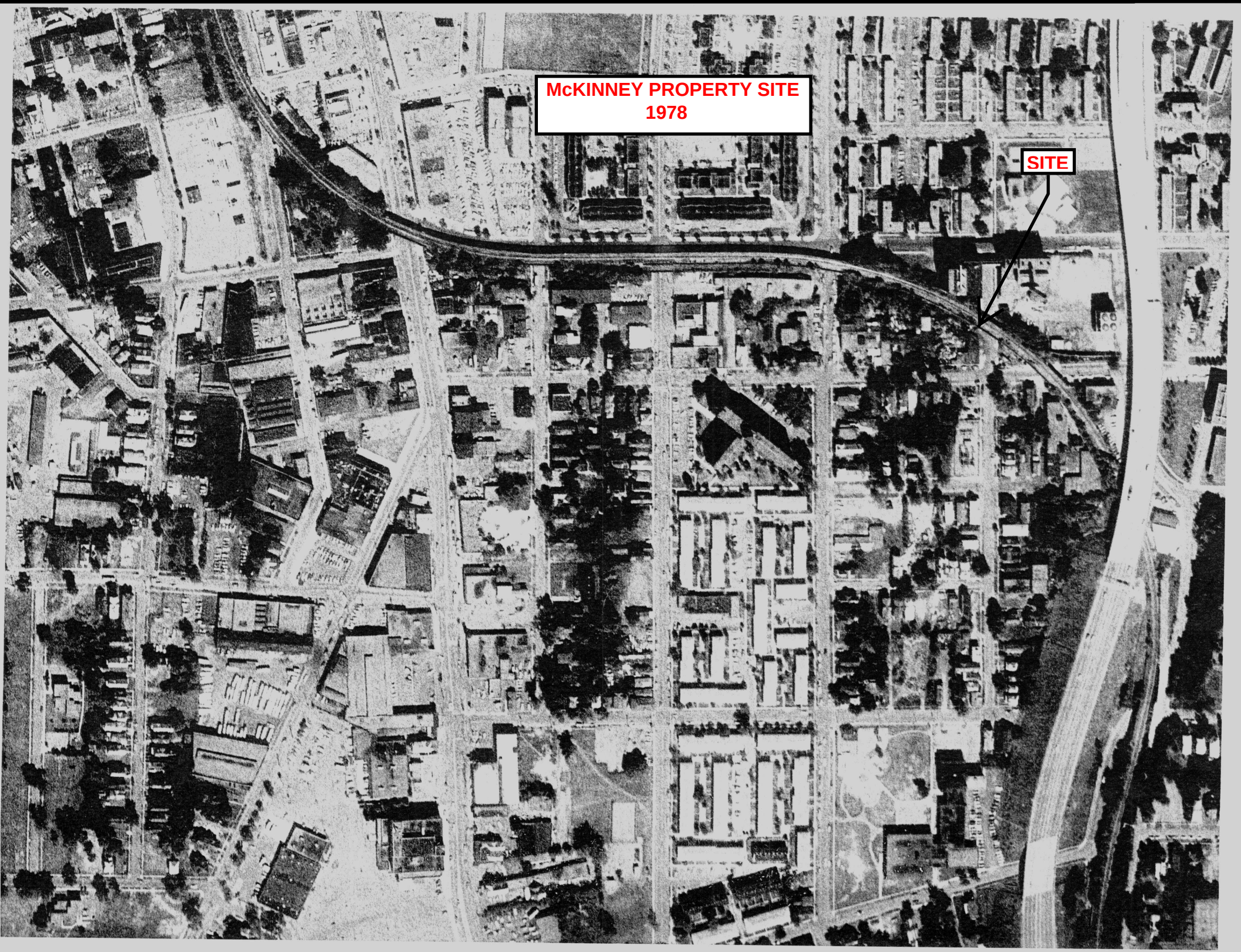
1990

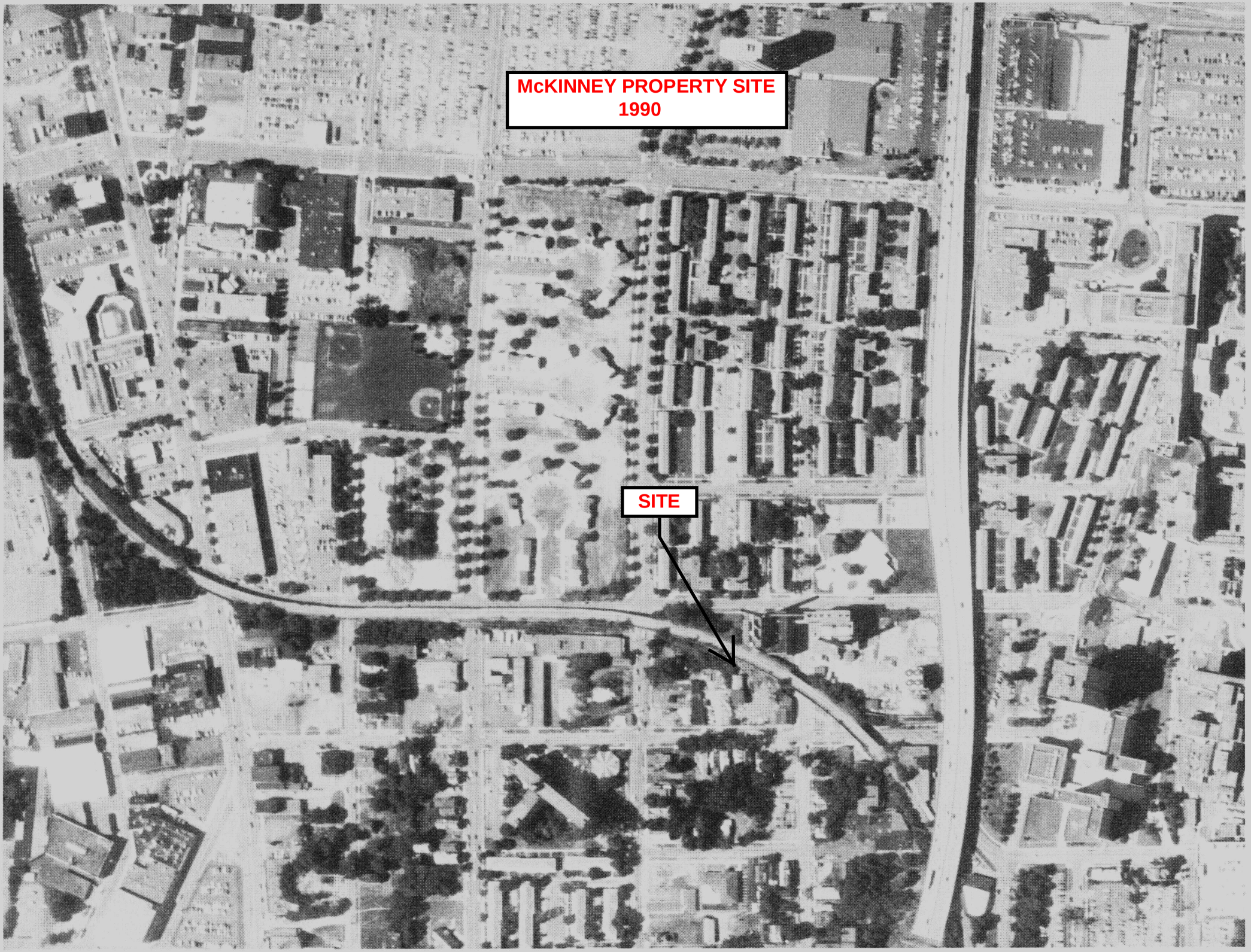


McKINNEY PROPERTY SITE
1938
SITE

McKINNEY PROPERTY SITE
1951
SITE

McKINNEY PROPERTY SITE
1967
SITE


McKINNEY PROPERTY SITE
1978
SITE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1990
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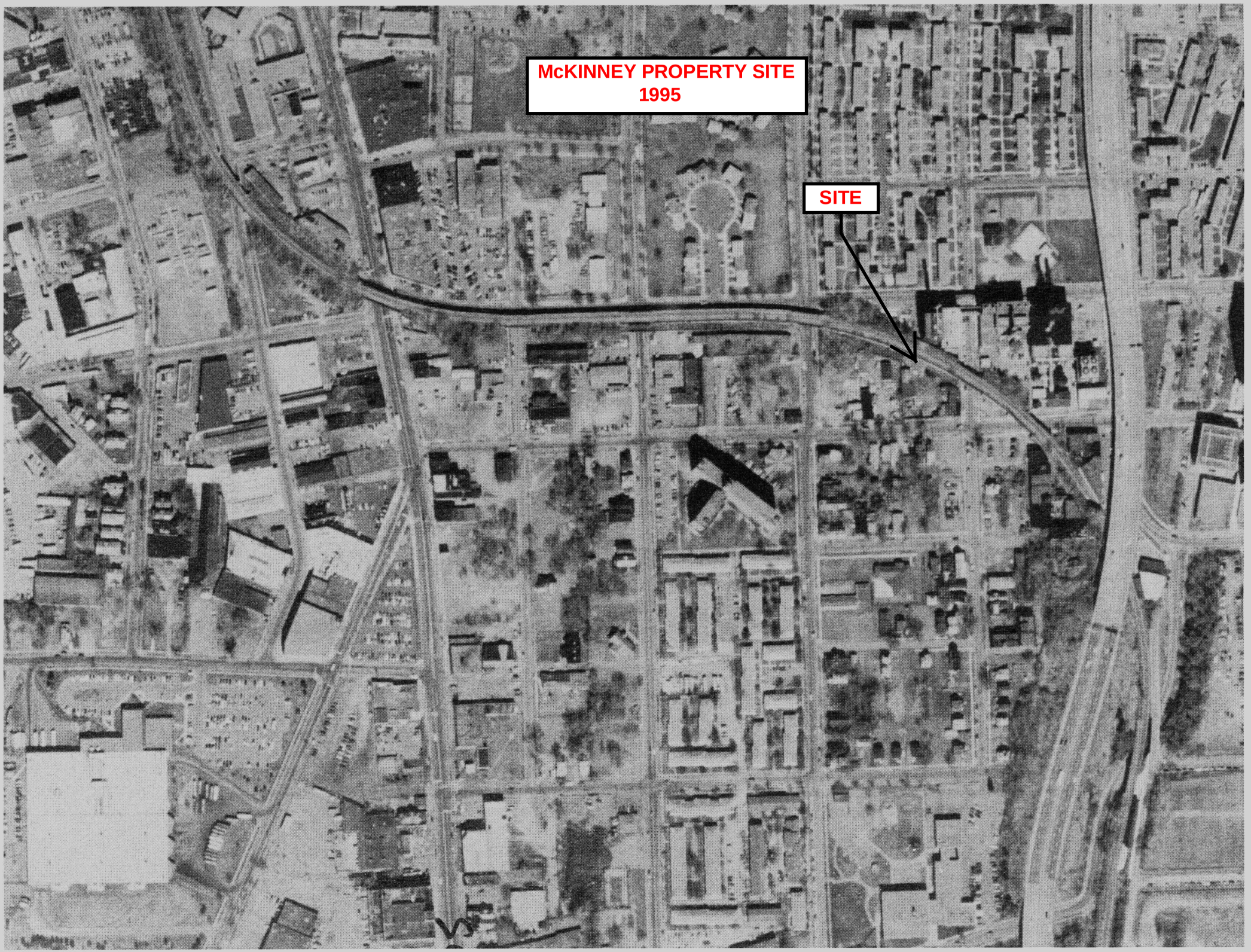

McKINNEY PROPERTY SITE
1995
SITE

# Appendix B

# APPENDIX B

# RECORDS SEARCH

Received 9/20/06
JM

**New York State Department of Environmental Conservation**
**Freedom of Information Office, Region 7**
615 Erie Boulevard West, Syracuse, New York 13204-2400
**Phone:** (315) 426-7404 • **FAX:** (315) 426-7408
**Website:** www.dec.state.ny.us

Denise M. Sheehan
Commissioner

September 18, 2006

James Magda
Dvirka & Bartilucci
P.O. Box 56
East Syracuse, New York 13057

Re: FOIL #06-1386 - McKinney Property

Dear Mr. Magda:

Based on the information you requested in the above-captioned FOIL request of August 28, 2006, we have completed a records search and I am enclosing copies of the documents we have on the above-mentioned request. Most of our programs file by facility name. If you need any further information, please contact me.

Sincerely,

Marsha Rozelle

Marsha Rozelle
Administrative Assistant

Enc.

cc: Ruth Earl

# NYSDEC SPILL REPORT FORM

**DEC REGION:** 7 **SPILL NUMBER:** 0402274

**SPILL NAME:** PRIVATE RESIDENCE **DEC LEAD:** CXROSSI

**CALLER NAME:** JOE GALLAWAY **NOTIFIER'S NAME:** JOE GALLAWAY

**CLR'S AGENCY:** FIRE DEPT. **NOTIFIER'S AGENCY:** FIRE DEPT.

**CALLER'S PHONE:** (315) 263-2401 **NOTIFIER'S PHONE:** (315) 263-2401

**SPILL DATE:** 05/31/2004 **SPILL TIME:** 11:00 am

**CALL RECEIVED DATE:** 06/01/2004 **RECEIVED TIME:** 9:44 am

## SPILL LOCATION

**PLACE:** PRIVATE RESIDENCE **COUNTY:** Onondaga

**STREET:** 1226 SOUTH MCBRIDE **TOWN/CITY:** Syracuse (c)

**COMMUNITY:** SYRACUSE

**CONTACT:** JOE GALLAWAY **CONTACT PHONE:** (315) 263-2401 CELL

**SPILL CAUSE:** Other **SPILL REPORTED BY:** Fire Department

**SPILL SOURCE:** Private Dwelling **WATERBODY:**

**CALLER REMARKS:**

A FIRE AT THIS RESIDENCE YESTERDAY, NEED DEC TO RESPOND, TO TALK ABOUT CONTAMINATION AND DEBRIS: ON SCENE RIGHT NOW:

FD Called Hotline to get response on if there was a record of contamination.

| MATERIAL | CLASS | SPILLED | RECOVERED | RESOURCES AFFECTED |
|---|---|---|---|---|

## POTENTIAL SPILLERS

| COMPANY | ADDRESS | CONTACT |
|---|---|---|
| PRIVATE RESIDENCE | 1226 SOUTH MCBRIDE SYRACUSE NY | JOE GALLAWAY<br>(315) 263-2401 CELL |

| Tank Number | Tank Size | Test Method | Leak Rate | Gross Failure |
|---|---|---|---|---|

**DEC REMARKS:**

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "CTR"

**PIN** **T & A** **COST CENTER**

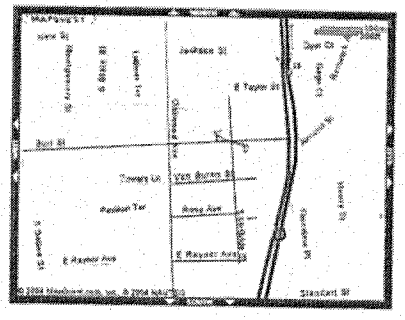
**CLASS:** E6 **CLOSE DATE:** 06/04/2004 **MEETS STANDARDS:** False

Created On: 06/01/2004
Date Printed: 9/8/2006 Last Updated: 06/04/2004

McKinney / Cooper Metal Rear Yard Prior to Clean Up

## From McBride St. and railroad:

View toward Almus Olver Tower (left) and Pioneer Homes (far right)



McKinney / Cooper Metal To Be Demolished
DEC Brownfields Application Pending August 2004

Rory A. McMahon
Corporation Counsel
Senior Assistants
Thomas M. Carmrike
Joseph W. Barry III
Pamela R. Eisenberg

David H. Neff
Joseph Francis Bergh
Nancy J. Larson
James P. McGinty
Catherine E. Carmrike
Jeffrey T. Lacey
John C. Black, Jr.
Robert P. Stamey
Joseph R. H. Doyle
Mary Anne Doherty
Jennifer E. Savion
Rosemary Lepiane

OFFICE OF THE CORPORATION COUNSEL

Matthew J. Driscoll, Mayor

April 22, 2008

Daniel Bishuk, Jr., CPG
Dvirka and Bartilucci
Consulting Engineers
P.O. Box 56
5879 Fisher Road
East Syracuse, New York 13057

Re: **Freedom of Information Law Requests**
**Remedial Investigation for, McKinney Property Site 1226 S. McBride St., Syr., NY. Tax Map ID No. 094-09-04.0. Also for adjoining properties: 420 E. Taylor Street Tax Map No. 094-09-01.01202-04 S. McBride St. Tax Map No. 094-09-02.0**
**1212 S. McBride St. Tax Map No. 094-09-03.0**
**409 Burt St. Tax Map No. 094-09-05.0**
**500 E. Taylor St. Tax Map No. 094-10-01.0**

Dear Mr.: Bishuk

The City has processed your original Freedom of Information Law request dated March 31, 2008. Enclosed you will find two (2) pages of responsive documentation. Records only found for 1226 S. McBride Street.

The cost for reproducing the required record is twenty-five cents per page, for a total cost of **$.50**. Please send a check or money order payable to the **Commissioner of Finance** upon your receipt of this letter.

If you wish to appeal any part of this decision, you must do so in writing within thirty (30) days of the date of this letter by submitting your appeal to Mayor Matthew J. Driscoll, at the Office of the Mayor, City Hall, 233 East Washington Street, Syracuse, New York 13202.

If there are any questions or concerns, please contact our office.

Very truly yours,

John C. Black, Jr.
Assistant Corporation Counsel

Enclosures
JCB/gvm

ADDRESS ACROSS FROM 1226 SOUTH McBRIDE ST

OWNER COOPER METAL COMPANY

PROPERTY NAME SAME

TANKS REMOVED 3-2000 GAL TANKS 1-DIESEL 1-REG. GAS 1-UNLEAD TANKS

CONDITIONS FOUND (LEAKS) NO LEAKERS - PIPING MAY HAVE LEAKED OR PRODUCT WAS SLOPPED ON GROUND.

REMARKS CONTAMINATED DIRT TO BE REMOVED - TANKS DEGASED ON SITE - REMOVED TO E. SYRACUSE FOR CUTTING

CLEAN UP BY (CONTRACTOR) DONER MUTH ENVIRONMENTAL

REC'D BY. DALE VOLMER

TANK REMOVAL CONTRACTOR DONER MUTH ENVIRONMENTAL (EAST SYRACUSE)

TANKS LEFT ON PROPERTY NONE

DATE COMPLETED 8-29-88 INSPECTOR F. Richard J. Klemin

NAME Cooper Metal Co. Inc.
Ace Sanitary Haulers Inc

ADDRESS 1226 S McBride st

PERMIT NO. A-36 DATE ISSUED 10/23

CAPACITY OF TANK 2000 TYPE OF FUEL Gas

APPROVED BY J.M. Dacey DATE APPROVED 11-15-62

NAME OF BURNER INSTALLED BY Petroleum Equipment Co. Inc.

REMARKS:

E-67

Hydrogeology
Monitoring Well Installation
Assessments & Sampling
Geo Technical Investigations
Oil Spills
Surface & Subsurface
Tank Cleaning
Tank Removal
Excavation

Dornemuth Environmental Services

P.O. Box 62, Clarksville, New York 12041 (518) 768-2214
700 Hartwell Ave, East Syracuse, New York 13057 (315) 432-1025

# *Toxics Targeting Environmental Report*

---

**1226 South McBride St**
**Syracuse, NY  13202**

---

*March 24, 2008*

## LIMITED WARRANTY AND DISCLAIMER OF LIABILITY

### Who is Covered

This limited warranty is extended by Toxics Targeting, Inc. only to the original purchaser of the accompanying Environmental Report ("Report"). It may not be assigned to any other person.

### What is Warranted

Toxics Targeting, Inc. warrants that it uses reasonable care to accurately transcribe the information contained in this Report from the sources from which it is obtained. This limited warranty is in lieu of all other express warranties which might otherwise arise with respect to the Report. No one is authorized to change or add to this limited warranty.

### What We Will Do

If during the warranty period there is shown to be a material error in the transcription of the information contained in this Report from the sources from which it was obtained, Toxics Targeting, Inc. shall refund to the original purchaser the full purchase price paid for the Report. The remedy stated above is the exclusive remedy extended to the Purchaser by Toxics Targeting, Inc. for any failure of the Report to conform with this Warranty, or otherwise for breach of this Warranty or any other warranty, whether expressed or implied.

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### Period of Warranty

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**PLEASE REFER TO PAGES ONE AND FOUR FOR A DESCRIPTION OF SOME OF THE LIMITATIONS OF THIS ENVIRONMENTAL REPORT.**

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# *Introduction*

*Toxics Targeting* has combined environmental database searches, extensive regulatory analysis and sophisticated mapping techniques to produce your *Environmental Report.* It checks for the presence of 21 categories of government-reported toxic sites and provides detailed, up-to-date information on each identified site. The findings of your report are presented in an easy-to-understand format that:

1. ***Maps*** the approximate locations of selected government-reported toxic sites identified on or near a specified target address.

2. ***Estimates*** the distance and direction between the target address and each identified toxic site.

3. ***Reports*** air and water permit non-compliance and other regulatory violations.

4. ***Profiles*** some aspects of the usage, manufacture, storage, handling, transport or disposal of toxic chemicals at individual sites.

5. ***Summarizes*** some potential health effect information and drinking water standards for selected chemicals reported at individual sites.

# *The Three Sections Of Your Report*

The first section highlights your report's findings by summarizing identified sites according to: **a)** distance intervals, **b)** direction, **c)** proximity to the target address and **d)** individual site categories. In addition, the locations of all identified toxic sites are illustrated on individual maps for each radius search distance used in your report. A close-up map illustrates the locations of all identified toxic sites, at the shortest radius search distance used in your report. Finally, a map of tax parcels and a table of selected information about those parcels are included.

The second section of your report contains *Toxic Site Profiles* that provide detailed information on each identified toxic site. The information in each *Toxic Site Profile* varies according to its source. Some toxic site categories have extensive information, some have limited information. All the information is updated on a regular basis.

The third section of the report contains appendices that identify: **1)** on-site spills reported to the national Emergency Response Notification System (ERNS), **2)** various toxic sites that cannot be mapped due to incomplete or erroneous addresses or other mapping problems, **3)** codes that characterize hazardous wastes reported at various facilities, **4)** methods used to map toxic sites identified in your report and **5)** information sources used in your report.

# *How to Use Your Report*

- Check Table One to see the number of identified sites by distance intervals.

- Check Table Two to see identified sites sorted by direction.

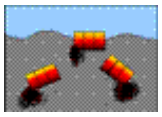
- Check Table Three to see identified sites sorted by site categories.

- Check Table Four to see identified sites ranked by proximity to the target address.

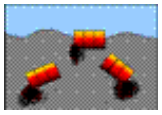
- Use Table Five to get info for the subject parcel and every parcel found on the Tax Parcel Map
- Refer to the various maps to see the locations of identified toxic sites. Refer to the *Toxic Site Profile* and *Appendix* sections for additional information.

# *Toxic Site Databases Analyzed In Your Report*

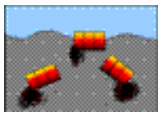
**Search Radius**

One-Mile 

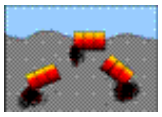
1) ***National Priority List for Federal Superfund Cleanup****:* a listing of sites known to pose environmental or health hazards that are being investigated or cleaned up under the Federal Superfund program.

Half-Mile 

2) ***Delisted National Priority List Sites****:* a listing of NPL sites that have been removed from the National Priority List.

One-Mile 

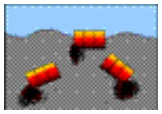
3) ***New York Inactive Hazardous Waste Disposal Site Registry****:* a state listing of sites that can pose environmental or public health hazards requiring investigation or clean up.

One-Mile 

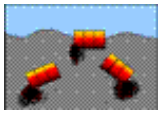
4) ***New York Inactive Hazardous Waste Disposal Site Registry Qualifying****:* a state listing of sites that qualify for possible inclusion to the NYDEC Inactive Haz. Waste Disposal Site Registry.

One-Mile

5) ***RCRA Corrective Action Activity (CORRACTS):*** waste facilities with RCRA corrective action activity reported by the USEPA.

Half-Mile 

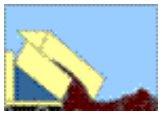
6) ***CERCLIS*** (Comprehensive Environmental Response, Compensation and Liability Information System): a federal listing of Non-NFRAP sites that can pose environmental or public health hazards requiring investigation or clean up.

Half-Mile 

7) ***CERCLIS NFRAP:*** a federal listing of CERCLIS sites that have no further remedial action planned.

Half-Mile

8) ***New York State Brownfield Cleanup Sites****:* a listing of sites that are abandoned, idled or under-used industrial and commercial sites where expansion or redevelopment is complicated by real or perceived environmental contamination.

Half-Mile 

9) ***New York Solid Waste Facilities Registry****:* active and inactive landfills, incinerators, transfer stations or other solid waste management facilities.

Half-Mile

10) ***New York and Federal Hazardous Waste Treatment, Storage or Disposal Facilities****:* sites reported by the NYS manifest system and the USEPA's Resource Conservation and Recovery Act Information System (RCRIS). Also includes the following database:

- ***RCRA violations:*** waste facilities with violations reported by the USEPA pursuant to the Resource Conservation and Recovery Act..

Half-Mile

11) ***Toxic Spills: active and inactive or closed*** spills reported to state environmental authorities, including *remediated* and *unremediated* leaking underground storage tanks. This database includes the following categories:

- Tank Failures
- Tank Test Failures
- Unknown Spill Cause or Other Spill Causes
- Miscellaneous Spill Causes

Quarter-Mile

12) ***New York State Major Oil Storage Facilities****:* sites with more than a 400,000-gallon capacity for storing petroleum products.

Quarter-Mile

13) ***New York and Local Petroleum Bulk Storage Facilities****:* sites with more than a 1,100-gallon capacity for storing petroleum products.

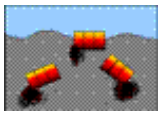
Quarter-Mile

14) ***New York and Federal Hazardous Waste Generators and Transporters****:* sites reported by the NYS manifest system and the USEPA's Resource Conservation and Recovery Act Information System (RCRA). Also includes the following database:

- ***RCRA violations:*** waste facilities with violations reported by the USEPA pursuant to the Resource Conservation and Recovery Act.

Quarter-Mile

15) ***New York Chemical Bulk Storage Facilities****:* sites storing hazardous substances listed in 6 NYCRR Part 597 in aboveground tanks with capacities of 185 gallons or more and/or underground tanks of any size

Half-Mile 

16) ***New York Hazardous Substance Disposal Site Draft Study****:* a state listing of sites contaminated with toxic substances that can pose environmental or public health hazards. These sites are not eligible for state clean up funding programs.

Quarter-Mile

17) ***Federal Toxic Release Inventory Facilities****:* discharges of selected toxic chemicals to air, land, water or treatment facilities.

Quarter-Mile

18) ***Federal Air Discharges****:* Air pollution point sources monitored by U.S. EPA and/or state and local air regulatory agencies.

Quarter-Mile

19) ***Federal Permit Compliance System Toxic Wastewater Discharges:*** permitted toxic wastewater discharges.

Quarter-Mile

20) ***Federal Civil and Administrative Enforcement Docket****:* judiciary cases filed on behalf of the U. S. Environmental Protection Agency by the Department of Justice.

Property only

21) ***ERNS: Federal Emergency Response Notification System Spills****:* a listing of federally reported spills.

# *Limitations Of The Information In Your Report*

The information presented in your *Environmental Report* has been obtained from various local, state and federal government agencies. Please be aware that: **1)** additional information on individual sites may be available, **2)** newly discovered sites are continually reported and **3)** all map locations are approximate. As a result, this report is intended to be the FIRST STEP in the process of identifying and evaluating possible environmental threats to specific properties and can only serve as a guide for conducting on-site visits or additional, more detailed toxic hazard research.

*Toxics Targeting* tries to ensure that the information in your report is presented accurately and with minimal alteration. The only systematic changes that are made correct obvious address errors in order to allow sites to be mapped. Any address changes that are made are noted in the map information section at the top of each corresponding *Toxic Site Profile*. Since the information presented in your report is not edited, please be aware that it can contain reporting errors or typographical mistakes made by the site owners/operators or government agencies that produced the information. Please be aware of some other limitations of the information in your report:

- The map used by *Toxics Targeting* is the same one used by the U. S. Census. While the map is generally accurate, no map is perfect. In addition, *Toxics Targeting's* mapping methods estimate where toxic site addresses are located if the address is not specifically designated on the Census map. FOR THESE REASONS, ALL MAP LOCATIONS OF ADDRESSES AND REPORTED TOXIC SITES SHOULD BE CONSIDERED APPROXIMATE AND SHOULD BE VERIFIED BY ON-SITE VISITS;

- UNDISCOVERED, UNREPORTED OR UNMAPPABLE TOXIC SITES MIGHT NOT BE IDENTIFIED BY THIS REPORT'S CHECK OF 21 TOXIC SITE CATEGORIES. TOXIC SITES REPORTED IN OTHER GOVERNMENT DATABASES MIGHT ALSO EXIST. FOR THESE REASONS, YOUR REPORT MIGHT NOT IDENTIFY ALL THE TOXIC SITES THAT EXIST IN THE AREA IT SEARCHES;

- The appendix of your report contains a listing of sites that could not be mapped due to incomplete or erroneous address information or other mapping problems. This listing includes unmappable toxic sites in zip code areas within one mile of the target address as well as toxic sites without zip codes reported in the same county. IF YOU WOULD LIKE INFORMATION ON ANY OF THE LISTED SITES, PLEASE CONTACT *TOXICS TARGETING AND REFER TO THE SITE ID NUMBER.*

- Some toxic sites identified in your report may be classified as **known hazards**. Most of the toxic sites identified in your report involve **potential hazards** related to the on-site use, manufacture, handling, storage, transport or disposal of toxic chemicals. Some of the toxic sites identified in your report may be the addresses of parties responsible for toxic sites located elsewhere. YOU SHOULD ONLY CONCLUDE THAT TOXIC HAZARDS ACTUALLY EXIST AT A SPECIFIC SITE WHEN GOVERNMENT AUTHORITIES MAKE THAT DETERMINATION OR WHEN THAT CONCLUSION IS FULLY DOCUMENTED BY THE FINDINGS OF AN APPROPRIATE SITE INVESTIGATION UNDERTAKEN BY LICENSED PROFESSIONALS;

- Compass directions and distances are approximate. Compass directions are calculated from the subject property address to the mapped location of each identified toxic site. The compass direction does not necessarily refer to the closest property boundary of an identified toxic site. The compass direction also can vary substantially for toxic sites that are located very close to the subject property address.

- The information presented in your report is a summary of the information that *Toxics Targeting* obtains from government agencies on reported toxic sites. YOU MAY BE ABLE TO OBTAIN ADDITIONAL INFORMATION ABOUT REPORTED SITES WITH THE FREEDOM OF INFORMATION REQUEST FORM LETTERS THAT ARE PROVIDED ON THE INSIDE OF THE BACK COVER.

# Section One:

# Report Summary

- *Table One: Number of Identified Toxic Sites By Distance Interval*
- *Table Two: Identified Toxic Sites By Direction*
- *Table Three: Identified Toxic Sites By Category*
- *Table Four: Identified Toxic Sites By Proximity*
- *Map One: One-Mile Radius Map*
- *Map Two: Half-Mile Radius Map*
- *Map Three: Quarter-Mile Radius Map*
- *Map Four: Quarter-Mile Radius Close up Map*

# NUMBER OF IDENTIFIED SITES BY DISTANCE INTERVAL

| Database Searched | 0 - 100 ft | 100 ft - 1/8 mi | 1/8 mi - 1/4 mi | 1/4 mi - 1/2 mi | 1/2 mi - 1 mi | Site Category Totals |
|---|---|---|---|---|---|---|
| **ASTM-Required 1 Mile Search** | | | | | | |
| National Priority List (NPL) Sites | 0 | 0 | 0 | 0 | 0 | 0 |
| NYS Inactive Hazardous Waste Disposal Site Registry | 0 | 0 | 0 | 0 | 1 | 1 |
| NYS Inactive Haz Waste Disposal Site Registry Qualifying | 0 | 0 | 0 | 0 | 0 | 0 |
| RCRA Corrective Action (CORRACTS) Sites | 0 | 0 | 0 | 0 | 0 | 0 |
| **ASTM-Required 1/2 Mile Search** | | | | | | |
| Delisted National Priority List (NPL) Sites | 0 | 0 | 0 | 0 | Not searched | 0 |
| CERCLIS Superfund Non-NFRAP Sites | 0 | 0 | 0 | 0 | Not searched | 0 |
| CERCLIS Superfund NFRAP Sites | 0 | 0 | 0 | 0 | Not searched | 0 |
| Brownfields Sites | | | | | | |
| Voluntary Cleanup Program | 0 | 0 | 0 | 0 | Not searched | 0 |
| Environmental Restoration Program | 1 | 0 | 0 | 0 | Not searched | 1 |
| Brownfield Cleanup Program | 0 | 0 | 0 | 0 | Not searched | 0 |
| NYSDEC Solid Waste Facilities / Landfills | 0 | 0 | 0 | 0 | Not searched | 0 |
| RCRA Hazardous Waste Treatment, Storage, Disposal Sites | 0 | 0 | 0 | 0 | Not searched | 0 |
| NYS Toxic Spills | | | | | | |
| Active Tank Failures | 0 | 0 | 0 | 0 | Not searched | 0 |
| Active Tank Test Failures | 0 | 0 | 0 | 0 | Not searched | 0 |
| Active Spills - Unknown / Other Causes | 0 | 0 | 0 | 1 | Not searched | 1 |
| Active Spills - Miscellaneous Causes | 0 | 0 | 0 | 0(1) | Not searched | 0(1) |
| Closed Tank Failures | 0 | 1 | 2 | 12 | Not searched | 15 |
| Closed Tank Test Failures | 0 | 2 | 1 | 6 | Not searched | 9 |
| Closed Spills - Unknown / Other Causes | 1 | 6 | 0 | 26 | Not searched | 33 |
| Closed Spills - Miscellaneous Causes | 0 | 6 | 3 | 2(43) | Not searched | 11(43) |
| **ASTM-Required Property & Adjacent Property (1/4 Mile Search)** | | | | | | |
| NYS Major Oil Storage Facilities | 0 | 0 | 0 | Not searched | Not searched | 0 |
| Local & State Petroleum Bulk Storage Sites | 0 | 1 | 3 | Not searched | Not searched | 4 |
| RCRA Hazardous Waste Generators & Transporters | 0 | 5 | 5 | Not searched | Not searched | 10 |
| NYS Chemical Bulk Storage Sites | 0 | 3 | 0 | Not searched | Not searched | 3 |
| Emergency Response Notification System (ERNS) | 0 | Not searched | Not searched | Not searched | Not searched | 0 |
| Institutional Controls / Engineering Controls (IC/EC) | See databases for NPL, CERCLIS, Inactive Hazardous Waste Disposal Site Registry and Brownfield Sites. | | | | | |
| **ASTM-Required Databases Distance Interval Totals** | **2** | **24** | **14** | **47(44)** | **1** | **88(44)** |

Numbers in ( ) indicate spills not mapped and profiled in this report, and are listed at the end of the active and closed spills sections. See these lists for a description of the parameters involved with identifying these spills.

NOTE: Table continues on next page.

| | | | | | | |
|---|---|---|---|---|---|---|
| **Non-ASTM Databases 1/2 Mile Search** | | | | | | |
| Hazardous Substance Waste Disposal Sites | 0 | 0 | 0 | 0 | Not searched | 0 |
| **Non-ASTM Databases 1/4 Mile Search** | | | | | | |
| Toxic Release Inventory Sites (TRI) | 0 | 0 | 0 | Not searched | Not searched | 0 |
| Permit Compliance System (PCS) Toxic Wastewater Discharges | 0 | 0 | 0 | Not searched | Not searched | 0 |
| Air Discharges | 0 | 3 | 0 | Not searched | Not searched | 3 |
| Civil & Administrative Enforcement Docket Facilities | 0 | 0 | 0 | Not searched | Not searched | 0 |
| **Non-ASTM Databases Distance Interval Totals** | **0** | **3** | **0** | **0** | **Not Searched** | **3** |
| ***Distance Interval Totals*** | ***2*** | ***27*** | ***14*** | ***47(44)*** | ***1*** | ***91(44)*** |

Numbers in ( ) indicate spills not mapped and profiled in this report, and are listed at the end of the active and closed spills sections. See these lists for a description of the parameters involved with identifying these spills.

# Identified Toxic Sites by Direction

## 1226 South McBride St
## Syracuse, NY 13202

* Compass directions can vary substantially for sites located very close to the subject property address.

## Sites less than 100 feet from subject property sorted by distance

| Map Id# | Site Name | Site Street | Approximate Distance & Direction From Property | Toxic Site Category |
|---|---|---|---|---|
| 2 | MCKINNEY PROPERTY | 1226 MCBRIDE STREET | 0 feet | Brownfields Site |
| 28 | PRIVATE RESIDENCE | 1226 SOUTH MCBRIDE | 0 feet | Closed Status Spill (Unk/Other Cause) |

## Sites between 100 ft and 660 ft from the subject property sorted by direction and distance

| Map Id# | Site Name | Site Street | Approximate Distance & Direction From Property | Toxic Site Category |
|---|---|---|---|---|
| 29 | E. TAYLOR AND MCBRIDE ST. | EAST TAYLOR AND MCBRIDE | 284 feet to the NNE | Closed Status Spill (Unk/Other Cause) |
| 30 | TAYLOR & MCBRIDE ST.- PCB | TAYLOR AND MCBRIDE ST | 284 feet to the NNE | Closed Status Spill (Unk/Other Cause) |
| 31 | INTERSECTION OF | EAST TAYLOR/SOUTH MCBRIDE | 284 feet to the NNE | Closed Status Spill (Unk/Other Cause) |
| 72 | SYRACUSE UNIVERSITY STEAM STATION | 500 E. TAYLOR ST. | 317 feet to the ENE | Petroleum Bulk Storage Site |
| 86 | SYRACUSE UNIVERSITY STEAM STATION | 500 E. TAYLOR STREET | 319 feet to the ENE | Chemical Bulk Storage Facility |
| 87 | SU CHILLED WATER PLANT | 500 E. TAYLOR STREET | 319 feet to the ENE | Chemical Bulk Storage Facility |
| 88 | PROJECT ORANGE | 520 EAST TAYLOR STREET | 319 feet to the ENE | Chemical Bulk Storage Facility |
| 4 | STEAM PLANT | MCBRIDE ST | 322 feet to the ENE | Closed Status Tank Failure |
| 19 | SYRACUSE U. STEAM STATION | 500 EAST TAYLOR STREET | 322 feet to the ENE | Closed Status Tank Test Failure |
| 20 | SYR. U. STEAM STATION | 500 EAST TAYLOR STREET | 322 feet to the ENE | Closed Status Tank Test Failure |
| 32 | STEAM STATION | S MCBRIDE ST/TAYLOR | 322 feet to the ENE | Closed Status Spill (Unk/Other Cause) |
| 33 | STEAM HEAT SYR. UNIVERS. | TALOR & MCBRIDE ST | 322 feet to the ENE | Closed Status Spill (Unk/Other Cause) |
| 34 | PROJECT ORANGE CO-GEN | 520 EAST TAYLOR STREET | 322 feet to the ENE | Closed Status Spill (Unk/Other Cause) |
| 61 | 520 E.TAYLOR ST. | 520 EAST TAYLOR STREET | 322 feet to the ENE | Closed Status Spill (Misc. Spill Cause) |
| 62 | SU STEAM STATION | 500 E TAYLOR ST | 322 feet to the ENE | Closed Status Spill (Misc. Spill Cause) |
| 63 | SU STEAM STATION | 550 E TAYLOR ST | 322 feet to the ENE | Closed Status Spill (Misc. Spill Cause) |
| 64 | SYRACUSE U STEAM STATION | 500 EAST TAYLOR STREET | 322 feet to the ENE | Closed Status Spill (Misc. Spill Cause) |
| 65 | SYRACUSE UNIVERSITY CHILLED WATER PLANT | 500 EAST TAYLOR STREET | 322 feet to the ENE | Closed Status Spill (Misc. Spill Cause) |
| 66 | SYRACUSE UNIVERSITY STEAM | MCBRIDE ST | 322 feet to the ENE | Closed Status Spill (Misc. Spill Cause) |
| 89 | SYRACUSE COGEN PROJECT | 500 E. TAYLOR ST. | 324 feet to the ENE | Air Discharge Site |
| 90 | SYRACUSE  UNIVERSITY STEAM STATION | 500 EAST TAYLOR STREET | 324 feet to the ENE | Air Discharge Site |
| 91 | PROJECT ORANGE | 500 EAST TAYLOR STREET | 324 feet to the ENE | Air Discharge Site |
| 77 | STEWART & STEVENSON | PROJECT ORANGE 520 TAYLOR ST | 328 feet to the ENE | Hazardous Waste Generator/Transporter |
| 78 | SYRACUSE UNIVERSITY STEAM STATION | 500 EAST TAYLOR STREET | 328 feet to the ENE | Hazardous Waste Generator/Transporter |
| 80 | O B G TECHNICAL SERVICES | ALMOND & TAYLOR ST.GAS PROJECT | 610 feet to the ENE | Hazardous Waste Generator/Transporter |
| 79 | SYRACUSE HOUSING AUTHORITY | 516 BURT ST | 411 feet to the ESE | Hazardous Waste Generator/Transporter |
| 76 | SYRACUSE HOUSING AUTHORITY | 409 BURT ST | 219 feet to the W | Hazardous Waste Generator/Transporter |

## Sites equal to or greater than 660 ft from subject property sorted by direction and distance

| Map Id# | Site Name | Site Street | Approximate Distance & Direction From Property | Toxic Site Category |
|---|---|---|---|---|
| 52 | MADISON TOWERS | TOWNSEND ST | 2268 feet to the N | Closed Status Spill (Unk/Other Cause) |
| 40 | UNIVERSITY PARKING GARAGE | 709 E ADAMS STREET | 1810 feet to the NNE | Closed Status Spill (Unk/Other Cause) |
| 48 | TU3 | 713 HARRISON ST | 2220 feet to the NNE | Closed Status Spill (Unk/Other Cause) |
| 49 | SUNY UPSTATE PARKING GARAGE | ALMOND ST/HARRISON ST | 2225 feet to the NNE | Closed Status Spill (Unk/Other Cause) |
| 82 | NYSDOT | I-81 SB RAMP OV JACKSON ST | 852 feet to the NE | Hazardous Waste Generator/Transporter |
| 83 | NYSDOT | I-81 NB RAMP OV JACKSON ST | 852 feet to the NE | Hazardous Waste Generator/Transporter |
| 11 | CENTRO PARKING INC. | SUNY HEALTH SRV. CENTER | 1593 feet to the NE | Closed Status Tank Failure |
| 36 | SUNY MED UNIVERSITY | 750 EAST ADAMS | 1593 feet to the NE | Closed Status Spill (Unk/Other Cause) |
| 46 | | E ADAMS ST BETWEEN ELIZ | 2132 feet to the NE | Closed Status Spill (Unk/Other Cause) |
| 22 | CLARK HALL; CROUSE IRVIN. | ELIZABETH BLACKWELL ST | 2249 feet to the NE | Closed Status Tank Test Failure |
| 70 | CROUSE IRVING HOSPITAL | 736 IRVING AVE | 1767 feet to the ENE | Closed Status Spill (Misc. Spill Cause) |
| 13 | 743 IRVING AVE. | 743 IRVING AVE | 1955 feet to the ENE | Closed Status Tank Failure |
| 45 | PYSICIANS OFFICE BUILDING | 725 IRVING AVENUE | 2089 feet to the ENE | Closed Status Spill (Unk/Other Cause) |
| 7 | V.A. MEDICAL CENTER | 800 IRIVING AVENUE | 1343 feet to the E | Closed Status Tank Failure |
| 8 | VA HOSPITAL | 800 IRIVING AVENUE | 1343 feet to the E | Closed Status Tank Failure |
| 35 | V.A. HOSPITAL | 800 IRIVING AVENUE | 1343 feet to the E | Closed Status Spill (Unk/Other Cause) |
| 47 | SYRACUSE UNIVERSITY | 201-205 UNIVERSITY PLACE | 2217 feet to the E | Closed Status Spill (Unk/Other Cause) |
| 69 | SYRACUSE UNIVERSITY | 401 VAN BUREN STREET | 952 feet to the ESE | Closed Status Spill (Misc. Spill Cause) |
| 84 | SYRACUSE UNIVERSITY | 401 VAN BUREN ST | 958 feet to the ESE | Hazardous Waste Generator/Transporter |
| 23 | CARRIER DOME | FOSTER DRIVE | 2322 feet to the ESE | Closed Status Tank Test Failure |
| 24 | SYRACUSE CARRIER DOME | 900 IRVING AVE | 2322 feet to the ESE | Closed Status Tank Test Failure |
| 85 | KATEI TRIPP  NORTHERN ENV | 1429 S MCBRIDE ST | 1011 feet to the S | Hazardous Waste Generator/Transporter |
| 50 | SOUTH STATE STREET | 1425 SOUTH STATE STREET | 2227 feet to the SSW | Closed Status Spill (Unk/Other Cause) |
| 16 | | 116 EAST CASTLE ST | 2237 feet to the SSW | Closed Status Tank Failure |
| 51 | CASTLE REST NURSING HOME | 116 EAST CASTLE ST | 2237 feet to the SSW | Closed Status Spill (Unk/Other Cause) |
| 58 | BULLOCKS USED CARS | 1440 S. SALINA ST | 2570 feet to the SSW | Closed Status Spill (Unk/Other Cause) |
| 73 | CENTRAL VILLAGE HOUSING PROJECT | 302 BURT ST. | 758 feet to the WSW | Petroleum Bulk Storage Site |
| 81 | SYRACUSE HOUSING AUTHORITY | 300 BURT STREET | 793 feet to the WSW | Hazardous Waste Generator/Transporter |
| 9 | MONDO'S AGWAY | 1127 SO. SALINA ST | 1494 feet to the WSW | Closed Status Tank Failure |
| 10 | MONDO'S SERVICE STATION | 1133 SOUTH SALINA | 1508 feet to the WSW | Closed Status Tank Failure |
| 41 | COYNE TEXTILE SERVICES | 140 CORTLAND AVE | 1829 feet to the WSW | Closed Status Spill (Unk/Other Cause) |
| 71 | COYNE TEXTILE SERVICES | 140 CORTLAND ST | 1829 feet to the WSW | Closed Status Spill (Misc. Spill Cause) |
| 18 | CENTRO-BUS LINE | 1-CENTRO CENTER | 2563 feet to the WSW | Closed Status Tank Failure |
| 26 | CNY CENTRO INC. | 200 CORTLAND AVENUE | 2563 feet to the WSW | Closed Status Tank Test Failure |
| 27 | CENTRAL NY INC | 2OO CORTLAND AVE | 2563 feet to the WSW | Closed Status Tank Test Failure |
| 57 | REGION TRANSIT AUTHORITY | 200 CORTLAND AVENUE | 2563 feet to the WSW | Closed Status Spill (Unk/Other Cause) |
| 74 | FORMER SALVATION ARMY PROPERTY | 1117 S. STATE ST. & | 784 feet to the W | Petroleum Bulk Storage Site |
| 75 | THE SALVATION ARMY | 1105 S. STATE ST. | 784 feet to the W | Petroleum Bulk Storage Site |

| | | | | |
|---|---|---|---|---|
| 5 | FORMER SALVATION ARMY | 1105 SOUTH STATE ST | 800 feet to the W | Closed Status Tank Failure |
| 67 | SALVATION ARMY | 1105 SOUTH STATE ST | 800 feet to the W | Closed Status Spill (Misc. Spill Cause) |
| 68 | | 1105 SOUTH STATE ST | 800 feet to the W | Closed Status Spill (Misc. Spill Cause) |
| 37 | 800 S SALINA | 800 SOUTH SALINA STREET | 1629 feet to the W | Closed Status Spill (Unk/Other Cause) |
| 55 | ATLAS HEALTH CARE LINEN | 320 WEST TAYLOR ST | 2416 feet to the W | Closed Status Spill (Unk/Other Cause) |
| 25 | BYRNE DAIRY | 235 KING STREET | 2483 feet to the W | Closed Status Tank Test Failure |
| 6 | S STATE STREET | S STATE ST/NEW STREET | 1009 feet to the WNW | Closed Status Tank Failure |
| 21 | NYS TEAMSTERS | NEW STREET | 1306 feet to the WNW | Closed Status Tank Test Failure |
| 38 | SYRACUSE COMMUNITY HEALTH | 819 SO SALINA ST | 1632 feet to the WNW | Closed Status Spill (Unk/Other Cause) |
| 42 | | 700 S SALINA ST | 1930 feet to the WNW | Closed Status Spill (Unk/Other Cause) |
| 14 | DESIMONES SERVICE STA. | 680 S. SALINA ST | 2000 feet to the WNW | Closed Status Tank Failure |
| 43 | DESIMONES GAS STATION | 680 S SALINA ST | 2000 feet to the WNW | Closed Status Spill (Unk/Other Cause) |
| 17 | S&F AUTOMOTIVE | 420 ONEIDA ST | 2476 feet to the WNW | Closed Status Tank Failure |
| 59 | ATLAS LAUNDRY / WOLFF & DUNGEY | 325 TEMPLE ST | 2582 feet to the WNW | Closed Status Spill (Unk/Other Cause) |
| 1 | OLD TIP-TOP BAKERY | SHONNARD STREET | 5042 feet to the WNW | NYSDEC Inactive Haz Waste Disposal Site |
| 15 | HARRISON PL & E ADAMS ST | HARRISON PL & E ADAMS ST | 2217 feet to the NW | Closed Status Tank Failure |
| 3 | PARKING LOT | 600 S SALINA ST | 2506 feet to the NW | Active Haz Spill (Unknown/Other Cause) |
| 60 | 224 HARRISON ST | 224 HARRISON ST | 2590 feet to the NW | Closed Status Spill (Unk/Other Cause) |
| 12 | ADAMS & STATE ST. GARAGE | ADAMS & STATE STREET | 1770 feet to the NNW | Closed Status Tank Failure |
| 39 | PARKING GARAGE | STATE ST & ADAMS ST | 1770 feet to the NNW | Closed Status Spill (Unk/Other Cause) |
| 44 | ADAMS STREET-CONVENTION G | CONVENTION C. ADAMS ST | 2059 feet to the NNW | Closed Status Spill (Unk/Other Cause) |
| 53 | PARKING LOT | STATE & HARRISON STREETS | 2278 feet to the NNW | Closed Status Spill (Unk/Other Cause) |
| 54 | HARRISON ST | HARRISON & STATE ST | 2278 feet to the NNW | Closed Status Spill (Unk/Other Cause) |
| 56 | HARRISON CONVENTION CTR | HARRISON & MONTGOMERY | 2448 feet to the NNW | Closed Status Spill (Unk/Other Cause) |

# Identified Toxic Sites by Category

## 1226 South McBride St
## Syracuse, NY 13202

* Compass directions can vary substantially for sites located very close to the subject property address.

**NYSDEC Inactive Haz. Waste Disposal Site Registry -- Total Sites - 1**

**Database searched at 1 MILE - ASTM required search distance: 1 Mile**

| MAP ID | FACILITY ID | FACILITY NAME | FACILITY STREET | DISTANCE & DIRECTION |
|---|---|---|---|---|
| 1 | 734042 | OLD TIP-TOP BAKERY | SHONNARD STREET | 5042 feet to the WNW |

**Brownfields Sites -- Total Sites - 1**

**Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile**

| MAP ID | FACILITY ID | FACILITY NAME | FACILITY STREET | DISTANCE & DIRECTION |
|---|---|---|---|---|
| 2 | E734086 | MCKINNEY PROPERTY | 1226 MCBRIDE STREET | 0 feet |

**Active Haz Spills (Unknown Causes & Other Causes) -- Total Sites - 1**

**Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile**

| MAP ID | FACILITY ID | FACILITY NAME | FACILITY STREET | DISTANCE & DIRECTION |
|---|---|---|---|---|
| 3 | 0000005 | PARKING LOT | 600 S SALINA ST | 2506 feet to the NW |

**Closed Status Tank Failures -- Total Sites - 15**

**Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile**

| MAP ID | FACILITY ID | FACILITY NAME | FACILITY STREET | DISTANCE & DIRECTION |
|---|---|---|---|---|
| 4 | 9908800 | STEAM PLANT | MCBRIDE ST | 322 feet to the ENE |
| 5 | 0404882 | FORMER SALVATION ARMY | 1105 SOUTH STATE ST | 800 feet to the W |
| 6 | 9208359 | S STATE STREET | S STATE ST/NEW STREET | 1009 feet to the WNW |
| 7 | 9807877 | V.A. MEDICAL CENTER | 800 IRIVING AVENUE | 1343 feet to the E |
| 8 | 0402165 | VA HOSPITAL | 800 IRIVING AVENUE | 1343 feet to the E |
| 9 | 8403634 | MONDO'S AGWAY | 1127 SO. SALINA ST | 1494 feet to the WSW |
| 10 | 0703031 | MONDO'S SERVICE STATION | 1133 SOUTH SALINA | 1508 feet to the WSW |
| 11 | 9311487 | CENTRO PARKING INC. | SUNY HEALTH SRV. CENTER | 1593 feet to the NE |
| 12 | 9108385 | ADAMS & STATE ST. GARAGE | ADAMS & STATE STREET | 1770 feet to the NNW |
| 13 | 9101558 | 743 IRVING AVE. | 743 IRVING AVE | 1955 feet to the ENE |
| 14 | 8705408 | DESIMONES SERVICE STA. | 680 S. SALINA ST | 2000 feet to the WNW |
| 15 | 9814193 | HARRISON PL & E ADAMS ST | HARRISON PL & E ADAMS ST | 2217 feet to the NW |
| 16 | 9900884 | | 116 EAST CASTLE ST | 2237 feet to the SSW |
| 17 | 9207347 | S&F AUTOMOTIVE | 420 ONEIDA ST | 2476 feet to the WNW |
| 18 | 9411200 | CENTRO-BUS LINE | 1-CENTRO CENTER | 2563 feet to the WSW |

**Closed Status Tank Test Failures -- Total Sites - 9**

**Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile**

| MAP ID | FACILITY ID | FACILITY NAME | FACILITY STREET | DISTANCE & DIRECTION |
|---|---|---|---|---|
| 19 | 8605148 | SYRACUSE U. STEAM STATION | 500 EAST TAYLOR STREET | 322 feet to the ENE |
| 20 | 8605131 | SYR. U. STEAM STATION | 500 EAST TAYLOR STREET | 322 feet to the ENE |
| 21 | 9001641 | NYS TEAMSTERS | NEW STREET | 1306 feet to the WNW |
| 22 | 8709940 | CLARK HALL; CROUSE IRVIN. | ELIZABETH BLACKWELL ST | 2249 feet to the NE |
| 23 | 8903207 | CARRIER DOME | FOSTER DRIVE | 2322 feet to the ESE |
| 24 | 0210237 | SYRACUSE CARRIER DOME | 900 IRVING AVE | 2322 feet to the ESE |
| 25 | 8603904 | BYRNE DAIRY | 235 KING STREET | 2483 feet to the W |
| 26 | 9413883 | CNY CENTRO INC. | 200 CORTLAND AVENUE | 2563 feet to the WSW |
| 27 | 9213577 | CENTRAL NY INC | 2OO CORTLAND AVE | 2563 feet to the WSW |

**Closed Status Spills (Unknown Causes & Other Causes) -- Total Sites - 33**

**Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile**

| MAP ID | FACILITY ID | FACILITY NAME | FACILITY STREET | DISTANCE & DIRECTION |
|---|---|---|---|---|
| 28 | 0402274 | PRIVATE RESIDENCE | 1226 SOUTH MCBRIDE | 0 feet |
| 29 | 9204042 | E. TAYLOR AND MCBRIDE ST. | EAST TAYLOR AND MCBRIDE | 284 feet to the NNE |
| 30 | 9107234 | TAYLOR & MCBRIDE ST.- PCB | TAYLOR AND MCBRIDE ST | 284 feet to the NNE |
| 31 | 0600689 | INTERSECTION OF | EAST TAYLOR/SOUTH MCBRIDE | 284 feet to the NNE |

| | | | | |
|---|---|---|---|---|
| 32 | 9004309 | STEAM STATION | S MCBRIDE ST/TAYLOR | 322 feet to the ENE |
| 33 | 8801654 | STEAM HEAT SYR. UNIVERS. | TALOR & MCBRIDE ST | 322 feet to the ENE |
| 34 | 0001904 | PROJECT ORANGE CO-GEN | 520 EAST TAYLOR STREET | 322 feet to the ENE |
| 35 | 8710887 | V.A. HOSPITAL | 800 IRIVING AVENUE | 1343 feet to the E |
| 36 | 0209530 | SUNY MED UNIVERSITY | 750 EAST ADAMS | 1593 feet to the NE |
| 37 | 9409597 | 800 S SALINA | 800 SOUTH SALINA STREET | 1629 feet to the W |
| 38 | 9914781 | SYRACUSE COMMUNITY HEALTH | 819 SO SALINA ST | 1632 feet to the WNW |
| 39 | 9111803 | PARKING GARAGE | STATE ST & ADAMS ST | 1770 feet to the NNW |
| 40 | 0310716 | UNIVERSITY PARKING GARAGE | 709 E ADAMS STREET | 1810 feet to the NNE |
| 41 | 0301230 | COYNE TEXTILE SERVICES | 140 CORTLAND AVE | 1829 feet to the WSW |
| 42 | 9510220 | | 700 S SALINA ST | 1930 feet to the WNW |
| 43 | 0211565 | DESIMONES GAS STATION | 680 S SALINA ST | 2000 feet to the WNW |
| 44 | 9110143 | ADAMS STREET-CONVENTION G | CONVENTION C. ADAMS ST | 2059 feet to the NNW |
| 45 | 0108645 | PYSICIANS OFFICE BUILDING | 725 IRVING AVENUE | 2089 feet to the ENE |
| 46 | 8504506 | | E ADAMS ST BETWEEN ELIZ | 2132 feet to the NE |
| 47 | 0604488 | SYRACUSE UNIVERSITY | 201-205 UNIVERSITY PLACE | 2217 feet to the E |
| 48 | 9912809 | TU3 | 713 HARRISON ST | 2220 feet to the NNE |
| 49 | 0704454 | SUNY UPSTATE PARKING GARAGE | ALMOND ST/HARRISON ST | 2225 feet to the NNE |
| 50 | 8709077 | SOUTH STATE STREET | 1425 SOUTH STATE STREET | 2227 feet to the SSW |
| 51 | 9711111 | CASTLE REST NURSING HOME | 116 EAST CASTLE ST | 2237 feet to the SSW |
| 52 | 9305228 | MADISON TOWERS | TOWNSEND ST | 2268 feet to the N |
| 53 | 9606529 | PARKING LOT | STATE & HARRISON STREETS | 2278 feet to the NNW |
| 54 | 0106140 | HARRISON ST | HARRISON & STATE ST | 2278 feet to the NNW |
| 55 | 0008036 | ATLAS HEALTH CARE LINEN | 320 WEST TAYLOR ST | 2416 feet to the W |
| 56 | 9010462 | HARRISON CONVENTION CTR | HARRISON & MONTGOMERY | 2448 feet to the NNW |
| 57 | 9702247 | REGION TRANSIT AUTHORITY | 200 CORTLAND AVENUE | 2563 feet to the WSW |
| 58 | 8800286 | BULLOCKS USED CARS | 1440 S. SALINA ST | 2570 feet to the SSW |
| 59 | 0514813 | ATLAS LAUNDRY / WOLFF & DUNGEY | 325 TEMPLE ST | 2582 feet to the WNW |
| 60 | 9812461 | 224 HARRISON ST | 224 HARRISON ST | 2590 feet to the NW |

**Closed Status Spills (Miscellaneous Spill Causes) -- Total Sites - 11** **Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile**

| MAP ID | FACILITY ID | FACILITY NAME | FACILITY STREET | DISTANCE & DIRECTION |
|---|---|---|---|---|
| 61 | 9211857 | 520 E.TAYLOR ST. | 520 EAST TAYLOR STREET | 322 feet to the ENE |
| 62 | 9008107 | SU STEAM STATION | 500 E TAYLOR ST | 322 feet to the ENE |
| 63 | 8912216 | SU STEAM STATION | 550 E TAYLOR ST | 322 feet to the ENE |
| 64 | 8910992 | SYRACUSE U STEAM STATION | 500 EAST TAYLOR STREET | 322 feet to the ENE |
| 65 | 0407665 | SYRACUSE UNIVERSITY CHILLED WATER PLANT | 500 EAST TAYLOR STREET | 322 feet to the ENE |
| 66 | 0004648 | SYRACUSE UNIVERSITY STEAM | MCBRIDE ST | 322 feet to the ENE |
| 67 | 9711143 | SALVATION ARMY | 1105 SOUTH STATE ST | 800 feet to the W |
| 68 | 8601904 | | 1105 SOUTH STATE ST | 800 feet to the W |
| 69 | 0203874 | SYRACUSE UNIVERSITY | 401 VAN BUREN STREET | 952 feet to the ESE |
| 70 | 9506382 | CROUSE IRVING HOSPITAL | 736 IRVING AVE | 1767 feet to the ENE |
| 71 | 9909798 | COYNE TEXTILE SERVICES | 140 CORTLAND ST | 1829 feet to the WSW |

**Petroleum Bulk Storage Sites -- Total Sites - 4** **Database searched at 1/4 MILE - ASTM required search distance: Property & Adjacent**

| MAP ID | FACILITY ID | FACILITY NAME | FACILITY STREET | DISTANCE & DIRECTION |
|---|---|---|---|---|
| 72 | 7-180602 | SYRACUSE UNIVERSITY STEAM STATION | 500 E. TAYLOR ST. | 317 feet to the ENE |
| 73 | 7-498955 | CENTRAL VILLAGE HOUSING PROJECT | 302 BURT ST. | 758 feet to the WSW |
| 74 | 7-601001 | FORMER SALVATION ARMY PROPERTY | 1117 S. STATE ST. & | 784 feet to the W |
| 75 | 7-128058 | THE SALVATION ARMY | 1105 S. STATE ST. | 784 feet to the W |

**Hazardous Waste Generators, Transporters -- Total Sites - 10**

**Database searched at 1/4 MILE - ASTM required search distance: Property & Adjacent**

| MAP ID | FACILITY ID | FACILITY NAME | FACILITY STREET | DISTANCE & DIRECTION |
|---|---|---|---|---|
| 76 | NY0000201889 | SYRACUSE HOUSING AUTHORITY | 409 BURT ST | 219 feet to the W |
| 77 | NYD987016136 | STEWART & STEVENSON | PROJECT ORANGE 520 TAYLOR ST | 328 feet to the ENE |
| 78 | NYD982271918 | SYRACUSE UNIVERSITY STEAM STATION | 500 EAST TAYLOR STREET | 328 feet to the ENE |
| 79 | NYD981873599 | SYRACUSE HOUSING AUTHORITY | 516 BURT ST | 411 feet to the ESE |
| 80 | NYD986980167 | O B G TECHNICAL SERVICES | ALMOND & TAYLOR ST.GAS PROJECT | 610 feet to the ENE |
| 81 | NYD981873599 | SYRACUSE HOUSING AUTHORITY | 300 BURT STREET | 793 feet to the WSW |
| 82 | NYR000097287 | NYSDOT | I-81 SB RAMP OV JACKSON ST | 852 feet to the NE |
| 83 | NYR000097295 | NYSDOT | I-81 NB RAMP OV JACKSON ST | 852 feet to the NE |
| 84 | NYD986947505 | SYRACUSE UNIVERSITY | 401 VAN BUREN ST | 958 feet to the ESE |
| 85 | NYR000056853 | KATEI TRIPP  NORTHERN ENV | 1429 S MCBRIDE ST | 1011 feet to the S |

**Chemical Bulk Storage Facilities -- Total Sites - 3**

**Database searched at 1/4 MILE - ASTM required search distance: Property & Adjacent**

| MAP ID | FACILITY ID | FACILITY NAME | FACILITY STREET | DISTANCE & DIRECTION |
|---|---|---|---|---|
| 86 | 7-000152 | SYRACUSE UNIVERSITY STEAM STATION | 500 E. TAYLOR STREET | 319 feet to the ENE |
| 87 | 7-000281 | SU CHILLED WATER PLANT | 500 E. TAYLOR STREET | 319 feet to the ENE |
| 88 | 7-000230 | PROJECT ORANGE | 520 EAST TAYLOR STREET | 319 feet to the ENE |

**Air Discharge Sites -- Total Sites - 3**

**Database searched at 1/4 MILE - Non-ASTM Database**

| MAP ID | FACILITY ID | FACILITY NAME | FACILITY STREET | DISTANCE & DIRECTION |
|---|---|---|---|---|
| 89 | 36067N0003 | SYRACUSE COGEN PROJECT | 500 E. TAYLOR ST. | 324 feet to the ENE |
| 90 | NY0672005 | SYRACUSE  UNIVERSITY STEAM STATION | 500 EAST TAYLOR STREET | 324 feet to the ENE |
| 91 | 3606700194 | PROJECT ORANGE | 500 EAST TAYLOR STREET | 324 feet to the ENE |

# Identified Toxic Sites by Proximity

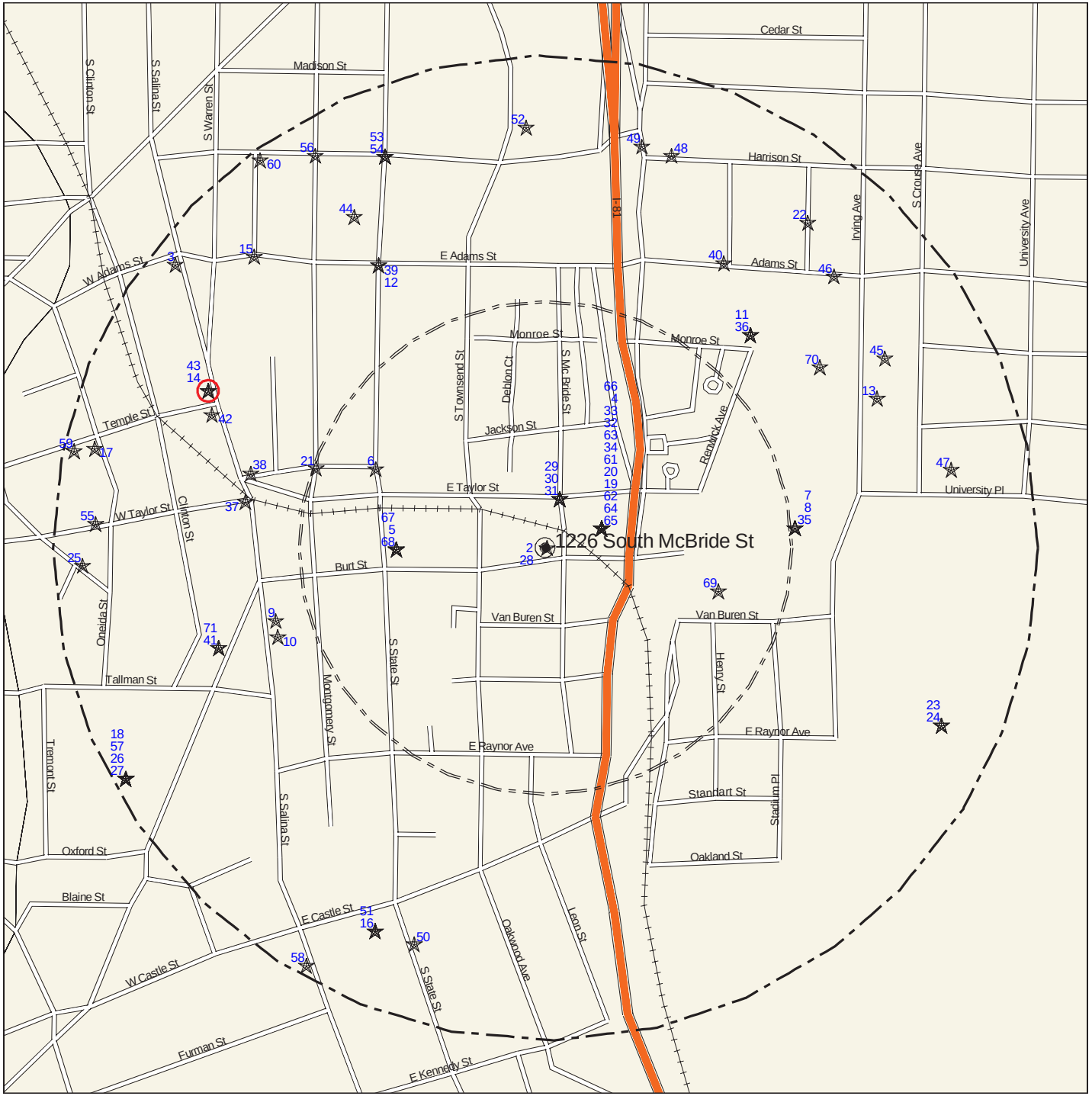
## 1226 South McBride St, Syracuse, NY 13202

* Compass directions can vary substantially for sites located very close to the subject property address.

| Map Id# | Site Name | Site Street | Approximate Distance & Direction From Property | Toxic Site Category |
|---|---|---|---|---|
| 2 | MCKINNEY PROPERTY | 1226 MCBRIDE STREET | 0 feet | Brownfields Site |
| 28 | PRIVATE RESIDENCE | 1226 SOUTH MCBRIDE | 0 feet | Closed Status Spill (Unk/Other Cause) |
| 76 | SYRACUSE HOUSING AUTHORITY | 409 BURT ST | 219 feet to the W | Hazardous Waste Generator/Transporter |
| 29 | E. TAYLOR AND MCBRIDE ST. | EAST TAYLOR AND MCBRIDE | 284 feet to the NNE | Closed Status Spill (Unk/Other Cause) |
| 30 | TAYLOR & MCBRIDE ST.- PCB | TAYLOR AND MCBRIDE ST | 284 feet to the NNE | Closed Status Spill (Unk/Other Cause) |
| 31 | INTERSECTION OF | EAST TAYLOR/SOUTH MCBRIDE | 284 feet to the NNE | Closed Status Spill (Unk/Other Cause) |
| 72 | SYRACUSE UNIVERSITY STEAM STATION | 500 E. TAYLOR ST. | 317 feet to the ENE | Petroleum Bulk Storage Site |
| 86 | SYRACUSE UNIVERSITY STEAM STATION | 500 E. TAYLOR STREET | 319 feet to the ENE | Chemical Bulk Storage Facility |
| 87 | SU CHILLED WATER PLANT | 500 E. TAYLOR STREET | 319 feet to the ENE | Chemical Bulk Storage Facility |
| 88 | PROJECT ORANGE | 520 EAST TAYLOR STREET | 319 feet to the ENE | Chemical Bulk Storage Facility |
| 4 | STEAM PLANT | MCBRIDE ST | 322 feet to the ENE | Closed Status Tank Failure |
| 19 | SYRACUSE U. STEAM STATION | 500 EAST TAYLOR STREET | 322 feet to the ENE | Closed Status Tank Test Failure |
| 20 | SYR. U. STEAM STATION | 500 EAST TAYLOR STREET | 322 feet to the ENE | Closed Status Tank Test Failure |
| 32 | STEAM STATION | S MCBRIDE ST/TAYLOR | 322 feet to the ENE | Closed Status Spill (Unk/Other Cause) |
| 33 | STEAM HEAT SYR. UNIVERS. | TALOR & MCBRIDE ST | 322 feet to the ENE | Closed Status Spill (Unk/Other Cause) |
| 34 | PROJECT ORANGE CO-GEN | 520 EAST TAYLOR STREET | 322 feet to the ENE | Closed Status Spill (Unk/Other Cause) |
| 61 | 520 E.TAYLOR ST. | 520 EAST TAYLOR STREET | 322 feet to the ENE | Closed Status Spill (Misc. Spill Cause) |
| 62 | SU STEAM STATION | 500 E TAYLOR ST | 322 feet to the ENE | Closed Status Spill (Misc. Spill Cause) |
| 63 | SU STEAM STATION | 550 E TAYLOR ST | 322 feet to the ENE | Closed Status Spill (Misc. Spill Cause) |
| 64 | SYRACUSE U STEAM STATION | 500 EAST TAYLOR STREET | 322 feet to the ENE | Closed Status Spill (Misc. Spill Cause) |
| 65 | SYRACUSE UNIVERSITY CHILLED WATER PLANT | 500 EAST TAYLOR STREET | 322 feet to the ENE | Closed Status Spill (Misc. Spill Cause) |
| 66 | SYRACUSE UNIVERSITY STEAM | MCBRIDE ST | 322 feet to the ENE | Closed Status Spill (Misc. Spill Cause) |
| 89 | SYRACUSE COGEN PROJECT | 500 E. TAYLOR ST. | 324 feet to the ENE | Air Discharge Site |
| 90 | SYRACUSE  UNIVERSITY STEAM STATION | 500 EAST TAYLOR STREET | 324 feet to the ENE | Air Discharge Site |
| 91 | PROJECT ORANGE | 500 EAST TAYLOR STREET | 324 feet to the ENE | Air Discharge Site |
| 77 | STEWART & STEVENSON | PROJECT ORANGE 520 TAYLOR ST | 328 feet to the ENE | Hazardous Waste Generator/Transporter |
| 78 | SYRACUSE UNIVERSITY STEAM STATION | 500 EAST TAYLOR STREET | 328 feet to the ENE | Hazardous Waste Generator/Transporter |
| 79 | SYRACUSE HOUSING AUTHORITY | 516 BURT ST | 411 feet to the ESE | Hazardous Waste Generator/Transporter |
| 80 | O B G TECHNICAL SERVICES | ALMOND & TAYLOR ST.GAS PROJECT | 610 feet to the ENE | Hazardous Waste Generator/Transporter |
| 73 | CENTRAL VILLAGE HOUSING PROJECT | 302 BURT ST. | 758 feet to the WSW | Petroleum Bulk Storage Site |
| 74 | FORMER SALVATION ARMY PROPERTY | 1117 S. STATE ST. & | 784 feet to the W | Petroleum Bulk Storage Site |
| 75 | THE SALVATION ARMY | 1105 S. STATE ST. | 784 feet to the W | Petroleum Bulk Storage Site |
| 81 | SYRACUSE HOUSING AUTHORITY | 300 BURT STREET | 793 feet to the WSW | Hazardous Waste Generator/Transporter |
| 5 | FORMER SALVATION ARMY | 1105 SOUTH STATE ST | 800 feet to the W | Closed Status Tank Failure |
| 67 | SALVATION ARMY | 1105 SOUTH STATE ST | 800 feet to the W | Closed Status Spill (Misc. Spill Cause) |
| 68 |  | 1105 SOUTH STATE ST | 800 feet to the W | Closed Status Spill (Misc. Spill Cause) |
| 82 | NYSDOT | I-81 SB RAMP OV JACKSON ST | 852 feet to the NE | Hazardous Waste Generator/Transporter |
| 83 | NYSDOT | I-81 NB RAMP OV JACKSON ST | 852 feet to the NE | Hazardous Waste Generator/Transporter |
| 69 | SYRACUSE UNIVERSITY | 401 VAN BUREN STREET | 952 feet to the ESE | Closed Status Spill (Misc. Spill Cause) |
| 84 | SYRACUSE UNIVERSITY | 401 VAN BUREN ST | 958 feet to the ESE | Hazardous Waste Generator/Transporter |
| 6 | S STATE STREET | S STATE ST/NEW STREET | 1009 feet to the WNW | Closed Status Tank Failure |
| 85 | KATEI TRIPP  NORTHERN ENV | 1429 S MCBRIDE ST | 1011 feet to the S | Hazardous Waste Generator/Transporter |
| 21 | NYS TEAMSTERS | NEW STREET | 1306 feet to the WNW | Closed Status Tank Test Failure |
| 7 | V.A. MEDICAL CENTER | 800 IRIVING AVENUE | 1343 feet to the E | Closed Status Tank Failure |
| 8 | VA HOSPITAL | 800 IRIVING AVENUE | 1343 feet to the E | Closed Status Tank Failure |

| | | | | |
|---|---|---|---|---|
| 35 | V.A. HOSPITAL | 800 IRIVING AVENUE | 1343 feet to the E | Closed Status Spill (Unk/Other Cause) |
| 9 | MONDO'S AGWAY | 1127 SO. SALINA ST | 1494 feet to the WSW | Closed Status Tank Failure |
| 10 | MONDO'S SERVICE STATION | 1133 SOUTH SALINA | 1508 feet to the WSW | Closed Status Tank Failure |
| 11 | CENTRO PARKING INC. | SUNY HEALTH SRV. CENTER | 1593 feet to the NE | Closed Status Tank Failure |
| 36 | SUNY MED UNIVERSITY | 750 EAST ADAMS | 1593 feet to the NE | Closed Status Spill (Unk/Other Cause) |
| 37 | 800 S SALINA | 800 SOUTH SALINA STREET | 1629 feet to the W | Closed Status Spill (Unk/Other Cause) |
| 38 | SYRACUSE COMMUNITY HEALTH | 819 SO SALINA ST | 1632 feet to the WNW | Closed Status Spill (Unk/Other Cause) |
| 70 | CROUSE IRVING HOSPITAL | 736 IRVING AVE | 1767 feet to the ENE | Closed Status Spill (Misc. Spill Cause) |
| 12 | ADAMS & STATE ST. GARAGE | ADAMS & STATE STREET | 1770 feet to the NNW | Closed Status Tank Failure |
| 39 | PARKING GARAGE | STATE ST & ADAMS ST | 1770 feet to the NNW | Closed Status Spill (Unk/Other Cause) |
| 40 | UNIVERSITY PARKING GARAGE | 709 E ADAMS STREET | 1810 feet to the NNE | Closed Status Spill (Unk/Other Cause) |
| 41 | COYNE TEXTILE SERVICES | 140 CORTLAND AVE | 1829 feet to the WSW | Closed Status Spill (Unk/Other Cause) |
| 71 | COYNE TEXTILE SERVICES | 140 CORTLAND ST | 1829 feet to the WSW | Closed Status Spill (Misc. Spill Cause) |
| 42 | | 700 S SALINA ST | 1930 feet to the WNW | Closed Status Spill (Unk/Other Cause) |
| 13 | 743 IRVING AVE. | 743 IRVING AVE | 1955 feet to the ENE | Closed Status Tank Failure |
| 14 | DESIMONES SERVICE STA. | 680 S. SALINA ST | 2000 feet to the WNW | Closed Status Tank Failure |
| 43 | DESIMONES GAS STATION | 680 S SALINA ST | 2000 feet to the WNW | Closed Status Spill (Unk/Other Cause) |
| 44 | ADAMS STREET-CONVENTION G | CONVENTION C. ADAMS ST | 2059 feet to the NNW | Closed Status Spill (Unk/Other Cause) |
| 45 | PYSICIANS OFFICE BUILDING | 725 IRVING AVENUE | 2089 feet to the ENE | Closed Status Spill (Unk/Other Cause) |
| 46 | | E ADAMS ST BETWEEN ELIZ | 2132 feet to the NE | Closed Status Spill (Unk/Other Cause) |
| 15 | HARRISON PL & E ADAMS ST | HARRISON PL & E ADAMS ST | 2217 feet to the NW | Closed Status Tank Failure |
| 47 | SYRACUSE UNIVERSITY | 201-205 UNIVERSITY PLACE | 2217 feet to the E | Closed Status Spill (Unk/Other Cause) |
| 48 | TU3 | 713 HARRISON ST | 2220 feet to the NNE | Closed Status Spill (Unk/Other Cause) |
| 49 | SUNY UPSTATE PARKING GARAGE | ALMOND ST/HARRISON ST | 2225 feet to the NNE | Closed Status Spill (Unk/Other Cause) |
| 50 | SOUTH STATE STREET | 1425 SOUTH STATE STREET | 2227 feet to the SSW | Closed Status Spill (Unk/Other Cause) |
| 16 | | 116 EAST CASTLE ST | 2237 feet to the SSW | Closed Status Tank Failure |
| 51 | CASTLE REST NURSING HOME | 116 EAST CASTLE ST | 2237 feet to the SSW | Closed Status Spill (Unk/Other Cause) |
| 22 | CLARK HALL; CROUSE IRVIN. | ELIZABETH BLACKWELL ST | 2249 feet to the NE | Closed Status Tank Test Failure |
| 52 | MADISON TOWERS | TOWNSEND ST | 2268 feet to the N | Closed Status Spill (Unk/Other Cause) |
| 53 | PARKING LOT | STATE & HARRISON STREETS | 2278 feet to the NNW | Closed Status Spill (Unk/Other Cause) |
| 54 | HARRISON ST | HARRISON & STATE ST | 2278 feet to the NNW | Closed Status Spill (Unk/Other Cause) |
| 23 | CARRIER DOME | FOSTER DRIVE | 2322 feet to the ESE | Closed Status Tank Test Failure |
| 24 | SYRACUSE CARRIER DOME | 900 IRVING AVE | 2322 feet to the ESE | Closed Status Tank Test Failure |
| 55 | ATLAS HEALTH CARE LINEN | 320 WEST TAYLOR ST | 2416 feet to the W | Closed Status Spill (Unk/Other Cause) |
| 56 | HARRISON CONVENTION CTR | HARRISON & MONTGOMERY | 2448 feet to the NNW | Closed Status Spill (Unk/Other Cause) |
| 17 | S&F AUTOMOTIVE | 420 ONEIDA ST | 2476 feet to the WNW | Closed Status Tank Failure |
| 25 | BYRNE DAIRY | 235 KING STREET | 2483 feet to the W | Closed Status Tank Test Failure |
| 3 | PARKING LOT | 600 S SALINA ST | 2506 feet to the NW | Active Haz Spill (Unknown/Other Cause) |
| 18 | CENTRO-BUS LINE | 1-CENTRO CENTER | 2563 feet to the WSW | Closed Status Tank Failure |
| 26 | CNY CENTRO INC. | 200 CORTLAND AVENUE | 2563 feet to the WSW | Closed Status Tank Test Failure |
| 27 | CENTRAL NY INC | 2OO CORTLAND AVE | 2563 feet to the WSW | Closed Status Tank Test Failure |
| 57 | REGION TRANSIT AUTHORITY | 200 CORTLAND AVENUE | 2563 feet to the WSW | Closed Status Spill (Unk/Other Cause) |
| 58 | BULLOCKS USED CARS | 1440 S. SALINA ST | 2570 feet to the SSW | Closed Status Spill (Unk/Other Cause) |
| 59 | ATLAS LAUNDRY / WOLFF & DUNGEY | 325 TEMPLE ST | 2582 feet to the WNW | Closed Status Spill (Unk/Other Cause) |
| 60 | 224 HARRISON ST | 224 HARRISON ST | 2590 feet to the NW | Closed Status Spill (Unk/Other Cause) |
| 1 | OLD TIP-TOP BAKERY | SHONNARD STREET | 5042 feet to the WNW | NYSDEC Inactive Haz Waste Disposal Site |

1226 South McBride St
Hawley Ave
Burnet Ave
I-690
I-81
Canal St
Erie Blvd E
E Water St
W Water St
W Washington St
E Washington St
Walton St
W Jefferson St
E Genesee St
Madison St
Harrison St
E Adams St
Adams St
Marshall St
Waverly Ave
University Pl
E Taylor St
W Taylor St
Burt St
Tallman St
E Raynor Ave
E Castle St
W Castle St
Fulton St
Park Ave
Tracy St
Plum St
Oswego St
Oisco St
Tully St
Fabius St
Gifford St
Kellogg St
Holland St
Howey St
Furman St
E Kennedy St
W Kennedy St
Kirk Ave
Mc Lennan Ave
W Borden Ave
W Beard Ave
E Colvin St
W Colvin St
Parkway Dr
Park Roadway
Onondaga Ave
Coolidge Ave
Rich St
Hudson St
Lincoln Ave
Midland Ave
Courtland Ave
Clinton St
Montgomery St
S State St
S Salina St
S Townsend St
S McBride St
Onondaga St
S Warren St
S Clinton St
S West St
Wyoming St
Irving Ave
S Crouse Ave
University Ave
Walnut Ave
Walnut Pl
Ostrom Ave
Maple St
Cherry St
Euclid Ave
Stratford St
Summer Ave
Livingston Ave
Lancaster Ave
Ackermen Ave
Oakwood Ave
Leon St
Baker Ave
Garfield Ave
Landon Ave
Cannon St
Webster Ave
Moore Ave
Edman Ave
S Beech St
Mather St
Beech St
1
Temple St
Onondaga St
Terrace St
Troupe St
Wyoming St
Irving Ave
Harrison St
Madison St
Adams St
Burt St
Tallman St
Euclid Ave
Stratford St
Lancaster Ave
Ackermen Ave
Moore Ave
Cannon St
Webster Ave
Parkway Dr
W Colvin St
E Colvin St
W Beard Ave
W Borden Ave
Mc Lennan Ave
Kirk Ave
W Kennedy St
E Kennedy St
Furman St
Howey St
W Castle St
E Castle St
E Raynor Ave
Tallman St
Burt St
W Taylor St
E Taylor St
Temple St
Kellogg St
Holland St
Park Roadway
Onondaga Ave
Coolidge Ave
Rich St
Hudson St
Lincoln Ave
Midland Ave
Courtland Ave
Clinton St
Montgomery St
S State St
S Salina St
S Townsend St
S McBride St
Onondaga St
S Warren St
S Clinton St
S West St
Wyoming St
Irving Ave
S Crouse Ave
University Ave
Walnut Ave
Walnut Pl
Ostrom Ave
Maple St
Cherry St
Euclid Ave
Stratford St
Summer Ave
Livingston Ave
Lancaster Ave
Ackermen Ave
Oakwood Ave
Leon St
Baker Ave
Garfield Ave
Landon Ave
Cannon St
Webster Ave
Moore Ave
Edman Ave
S Beech St
Mather St
Beech St
Hawley Ave
Burnet Ave
I-690
I-81
Canal St
Erie Blvd E
E Water St
W Water St
W Washington St
E Washington St
Walton St
W Jefferson St
E Genesee St
Madison St
Harrison St
E Adams St
Adams St
Marshall St
Waverly Ave
University Pl
E Taylor St
W Taylor St
Burt St
Tallman St
E Raynor Ave
E Castle St
W Castle St
Fulton St
Park Ave
Tracy St
Plum St
Oswego St
Oisco St
Tully St
Fabius St
Gifford St
Kellogg St
Holland St
Howey St
Furman St
E Kennedy St
W Kennedy St
Kirk Ave
Mc Lennan Ave
W Borden Ave
W Beard Ave
E Colvin St
W Colvin St
Parkway Dr

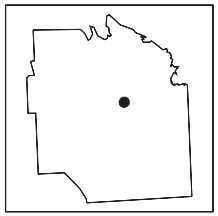



# Toxics Targeting
# 1/2 Mile Radius Map

1226 South McBride St

Syracuse, NY 13202

Elevation above Sea Level: 410 feet



Onondaga County

- Delisted NPL Site
- CERCLIS Superfund Non-NFRAP Site
- CERCLIS Superfund NFRAP Site
- Hazardous Waste Treater, Storer, Disposer
- Hazardous Substance Waste Disposal Site
- Solid Waste Facility
- Brownfields Site
- Hazardous Material Spill
- MTBE Gasoline Additive Spill

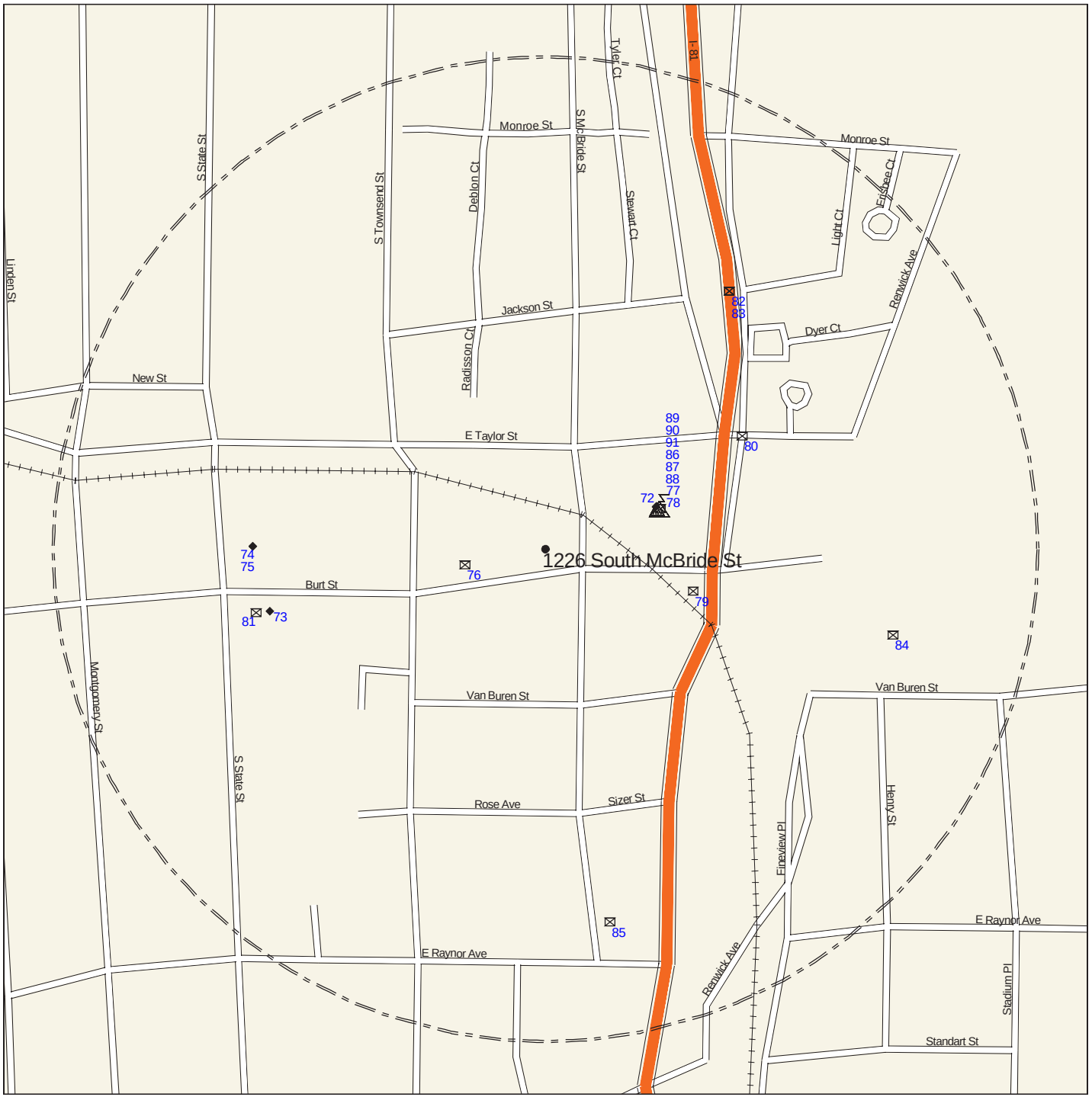
- Site Location
- Waterbody
- County Border
- Railroad Tracks
- 1 Mile Radius
- 1/2 Mile Radius
- 1/4 Mile Radius
- 1/8 Mile Radius

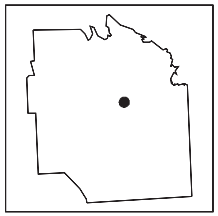
# Toxics Targeting
# 1/4 Mile Radius Map

1226 South McBride St

Syracuse, NY 13202

Elevation above Sea Level: 410 feet



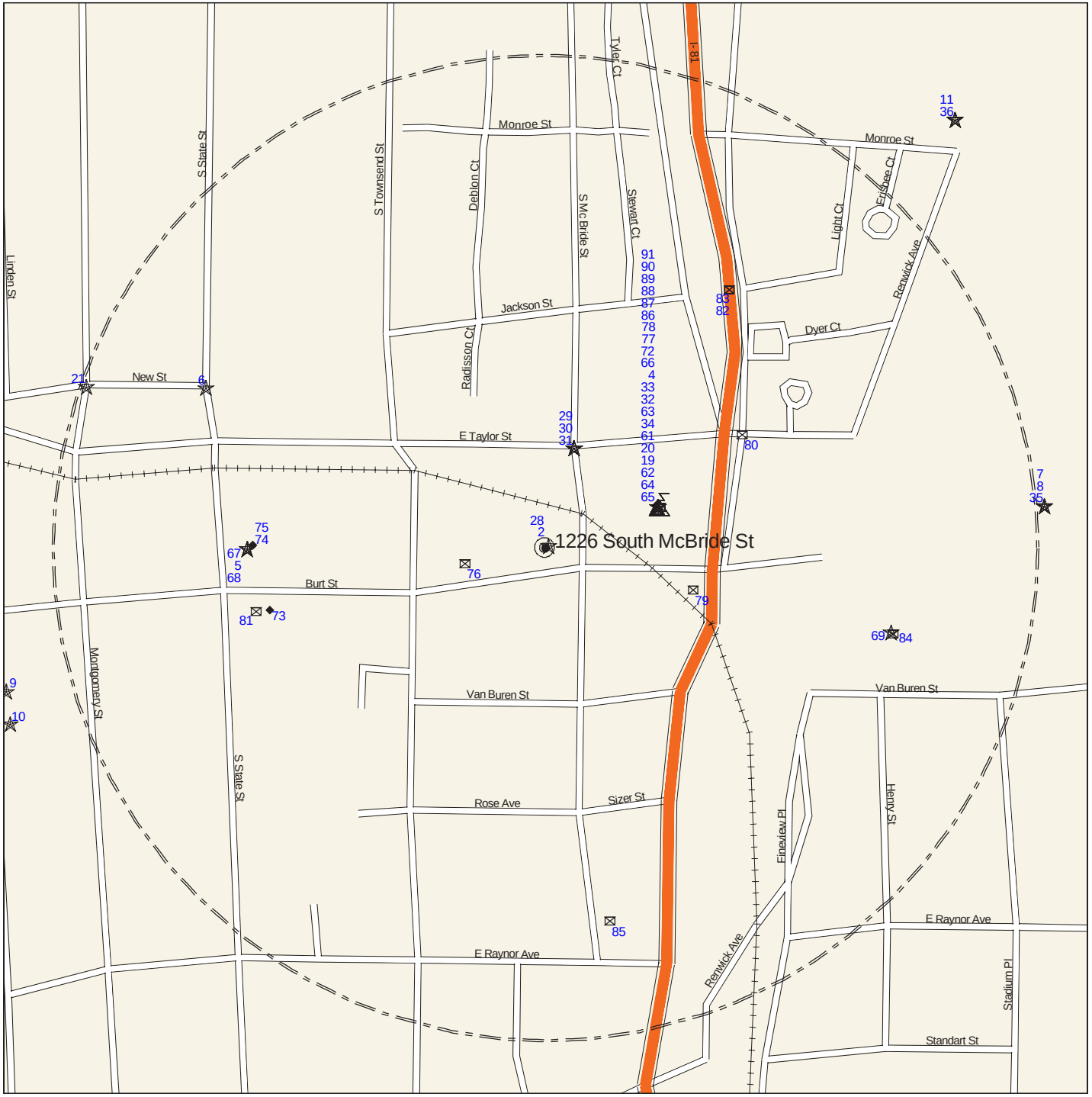


Onondaga County

- Major Oil Storage Facility
- Chemical Storage Facility
- Toxic Release
- Wastewater Discharge
- Enforcement Docket Facility
- Air Release
- Petroleum Bulk Storage Facility
- Hazardous Waste Generator, Transp.
- Site Location
- County Border
- 1/4 Mile Radius
- Waterbody
- Railroad Tracks
- 1/8 Mile Radius

1/4 0 1/8 1/4

Distance in Miles

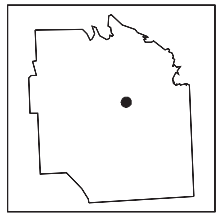



# Toxics Targeting
# 1/4 Mile Closeup Map

1226 South McBride St

Syracuse, NY 13202

Elevation above Sea Level: 410 feet



Onondaga County

- National Priority List (NPL) *
- Delisted NPL Site **
- CERCLIS Superfund Non-NFRAP Site **
- CERCLIS Superfund NFRAP Site **
- Inactive Hazardous Waste Disposal Registry Site *
- Inact. Haz Waste Disp. Registry Qualifying *
- Hazardous Waste Treater, Storer, Disposer **
- RCRA Corrective Action Facility *
- Hazardous Substance Waste Disposal Site **
- Solid Waste Facility **
- Major Oil Storage Facility ***
- Brownfields Site **
- Chemical Storage Facility ***
- Hazardous Material Spill **
- Toxic Release ***
- MTBE Gasoline Additive Spill **
- Wastewater Discharge ***
- Petroleum Bulk Storage Facility ***
- Enforcement Docket Facility ***
- Hazardous Waste Generator, Transp. ***
- Air Release ***

- Site Location
- Waterbody
- County Border
- Railroad Tracks
- 1/4 Mile Radius
- 1/8 Mile Radius

* 1 Mile Search Radius

** 1/2 Mile Search Radius

*** 1/4 Mile Search Radius

# Section Two: Toxic Site Profiles

The heading of each *Toxic Site Profile* refers to the site's map location and details:

- The facility name, address, city, state, and zip code (This information does not appear in the headings for Inactive Hazardous Waste Disposal Sites).
- Any changes that were made to a site's address in order to map its location.
- The site mapping method that was used (see ***How Sites are Located***, at the end of this section for more information).

*Toxic Site Profiles* summarize information provided by site owners or operators and government agencies regarding various toxic chemical activities reported at each site, such as:

- Whether chemicals were stored, produced, transported, discharged or disposed of.
- The name of chemicals and their Chemical Abstract Series (CAS) numbers;
- The amount of chemicals and the units (gallons/pounds) the chemical was measured in.
- Whether the site or storage tanks at the site are currently active or inactive.
- Special codes used by government agencies to regulate hazardous waste activities at some sites (A complete description of the codes follows the profiles section).

For selected individual chemicals reported at various toxic sites, some potential health effect summary information appears below the site profile. Each potential health effect summary identifies chemicals by name and by Chemical Abstract Series (CAS) Number. An "x" under each potential health effect heading indicates positive toxicity testing results reported by the National Institute of Occupational Safety and Health's Registry of Toxic Effects of Chemical Substances (RTECS). Some chemicals (mostly appearing in profiles of Hazardous Waste facilities), are reported as mixtures, and RTECS health effect information is only available for individual chemicals. In addition, RTECS only provides information on approximately 100,000 common chemicals. Consequently, the absence of potential health effect summary information for a particular chemical identified in a Toxic Site Profile does not necessarily mean that the chemical does not pose potential health effects.

The Maximum Contaminant Level (MCL) in drinking water allowed for selected chemicals is also noted. In most cases, the only applicable MCL has been set by the New York State Department of Health (NYSDOH). Where NYSDOH has not set an MCL, the federal standard, if one exists, is listed and is marked by an asterisk.

Presented below are column headings that describe the health effect definitions used in RTECS and applicable New York State and federal drinking water standards. Reference sources for information presented in this section are also provided.

ACUTE TOX: **Acute Toxicity**: Short-term exposure to this chemical can cause lethal and non-lethal toxicity effects not included in the following four categories.

TUMOR TOX: **Tumorigenic Toxicity**: The chemical can cause an increase in the incidence of tumors.

MUTAG TOX: **Mutagenic Toxicity**: The chemical can cause genetic alterations that are passed from one generation to the next.

REPRO TOX: **Reproductive toxicity**: May signify one of the following effects: maternal effects, paternal effects, effects on fertility, effects on the embryo or fetus, specific developmental abnormalities, tumorigenic effects, or effects on the newborn (only positive reproductive effects data for mammalian species are referenced)

IRRIT TOX: **Primary Irritant**: The chemical can cause eye or skin irritation

MCL: **Drinking Water Standard - Maximum Contaminant Level** (MCL) listed under Drinking Water Supplies, 10 NYCRR Part 5, Subparts 1.51(f),(g), and (h) for NYDOH MCL's and under the Safe Drinking Water Act, 40 CFR 141, Subparts B and G, (* indicates value for total trihalomethanes) for federal MCL's.

Reference Source for Toxicity Information: Registry of Toxic Effects of Chemical Substances (RTECS), NIOSH (on-line database); For further information, contact: NIOSH, 4676 Columbia Parkway, Cincinnati, OH, 45226, 800/35-NIOSH.

Reference Source for Drinking Water Standards: New York State Department of Health, Bureau of Toxic Substances Assessment, 2 University Place, Room 240, Albany, NY 12203, 518/458-6373.

U.S. Environmental Protection Agency, Office of Drinking Water, 401 M St SW, Mailstop WH-556, Washington, DC, 20460, 202/260-5700.

Inactive Hazardous Waste Disposal Site Classifications: 1 -- Causing or presenting an imminent danger of causing irreversible or irreparable damage to the public health or the environment -- immediate action required;

2 -- Significant threat to the public health or environment -- action required;

3 -- Does not Present a significant threat to the environment or public health -- action may be deferred;

4 -- Site properly closed --requires continued management;

5 -- Site properly closed, no evidence of present or potential adverse impact -- no further action required;

2a -- This temporary classification has been assigned to sites where there is inadequate data to assign them to the five classifications specified by law.

$D_{1, 2, 3}$ -- Delisted Site (1: hazardous waste not found; 2: remediated; 3: consolidated site or site incorrectly listed)

***NO NATIONAL PRIORITIES LIST (NPL) SITES IDENTIFIED WITHIN 1 MILE SEARCH RADIUS***

## *INACTIVE HAZ WASTE DISPOSAL REGISTRY OR REGISTRY-QUALIFYING SITES IDENTIFIED WITHIN 1 MILE SEARCH RADIUS*

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

**Map Identification Number 1** **OLD TIP-TOP BAKERY** **Facility Id: 734042**
SHONNARD STREET SYRACUSE, NY 13204

MAP LOCATION INFORMATION
Site location mapped by: MAP COORDINATE (2)
Approximate distance from property: 5042 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

**********

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INACTIVE HAZARDOUS WASTE DISPOSAL SITE INFORMATION

SITE CODE: 734042
CLASSIFICATION CODE: C REGION: 7 DEC ID: 58114
CLASSIFICATION CODE DESCRIPTION:
Remediation Complete (formerly D2). Sites may still require some degree of site management associated with either operation, maintenance, and monitoring or with institutional/engineering controls (IC/ECs).

NAME OF SITE: Old Tip-Top Bakery
STREET ADDRESS: Shonnard Street TOWN: Syracuse (c)
CITY: Syracuse ZIP: 13204 COUNTY: Onondaga

SITE TYPE: Dump-X Structure- Lagoon- Landfill- Treatment Pond- ESTIMATED SIZE: 1 Acre

INSTITUTIONAL/ENGINEERING CONTROLS:
None reported

CROSS REFERENCES:

| IDENTIFIER | SOURCE |
|---|---|
| NYD982531956 | EPA Site ID |

SITE OWNER/OPERATOR INFORMATION:
CURRENT OWNER(S):
NAME: RAYMOND LEE, ROYAL RESEARCH LABS, IN Owner Type: Corporate or Commercial
ADDRESS:

NAME: Roman Bouchard Owner Type: Corporate or Commercial
ADDRESS:

OWNER(S) DURING DISPOSAL:
NAME: RAYMOND LEE, ROYAL RESEARCH LABS, IN
ADDRESS:

OPERATOR(S) DURING DISPOSAL:
NAME: RAYMOND LEE, ROYAL RESEARCH LABS, IN Operator Type: Corporate or Commercial
ADDRESS: SHONNARD ST.
SYRACUSE, NY 13204

SITE DESCRIPTION:
Royal Research Labs was a paint stripping firm and manufacturer of plastic automotive parts. It was located on Shonnard Street. The facility was declared unsafe and the building was condemned by the Syracuse Fire Department in the early 1980's. Approximately 50 drums and containers of chemicals were moved from the Royal Research Lab to the Tip-Top Bakery building, which is also located on Shonnard Street. Some of the chemicals have spilled onto the floor of the building. Analytical results of samples taken, reveal that some of the wastes were ignitable and corrosive. Many of the drums have been removed from the building, but a few still remain scattered through-out. Some were found to contain hazardous waste. In 1991, the DEC initiated a final drum removal. The drum removal was completed by November of 1991. A thorough follow-up investigation with sampling was conducted by the City of Syracuse during the spring of 1992. Sampling analysis revealed no residual contamination from the hazardous waste.

CONFIRMED HAZARDOUS WASTE DISPOSED:

| TYPE | QUANTITY |
|---|---|
| IGNITABLE AND CORROSIVE WASTES | APPROXIMATELY 43 DRUMS |

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:
All remaining drums & containers that were stored in this building were removed by November of 1992. The City of Syracuse's follow-up investigation revealed no residual contamination resulting from the drums.

ASSESSMENT OF HEALTH PROBLEMS:
The site is in an area which is served by public water. NYSDOH has observed evidence of site trespass during a past site investigation. NYS DEC completed a drum removal in 1991. The City of Syracuse conducted follow-up soil sampling in the Spring of 1992 and no residual contamination was found. The site was delisted in December 1992 and there are no known outstanding health concerns associated with exposure to site contaminants.

The New York State Department of Environmental Conservation has not publicly updated the following fields since 2003:

| | | | | | |
|---|---|---|---|---|---|
| ANALYTICAL DATA AVAILABLE FOR: | Air- | Surface Water- | Groundwater- | Soil- | Sediment- |
| APPLICABLE STANDARDS EXCEEDED IN: | Groundwater- | Drinking Water- | Surface Water- | Air- | |

GEOTECHNICAL INFORMATION:
SOIL/ROCK TYPE:
GROUNDWATER DEPTH:

| | | | | |
|---|---|---|---|---|
| LEGAL ACTION: | Type: | | State- | Federal- |
| STATUS: | Negotiation in Progress- | | Order Signed- | |
| REMEDIAL ACTION: | Proposed- | Under Design- | In Progress- | Completed- |
| NATURE OF ACTION: | | | | |

***NO RCRA CORRECTIVE ACTION SITES IDENTIFIED WITHIN 1 MILE SEARCH RADIUS***

***NO CERCLIS SUPERFUND SITES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS***

## *BROWNFIELDS SITES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS*

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

**Map Identification Number 2** **MCKINNEY PROPERTY** **Facility Id: E734086**
1226 MCBRIDE STREET SYRACUSE, NY 13202-

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 0 feet

ADDRESS CHANGE INFORMATION
Revised street: 1226 S MC BRIDE ST
Revised zip code: 13202

Brownfield Program: Environmental Restoration Program

**********

ENVIRONMENTAL RESTORATION PROGRAM

SITE CODE: E734086
CLASSIFICATION CODE: A REGION: 7 DEC ID: 57334
CLASSIFICATION CODE DESCRIPTION:
Work is underway and not yet complete.

NAME OF SITE: McKinney Property
STREET ADDRESS: 1226 McBride Street TOWN: Syracuse (c)
CITY: Syracuse ZIP: 13202- COUNTY: Onondaga

SITE TYPE: Dump- Structure- Lagoon- Landfill- Treatment Pond- ESTIMATED SIZE: 0.45 Acre

INSTITUTIONAL/ENGINEERING CONTROLS:
None reported

CROSS REFERENCES:
None reported

SITE OWNER/OPERATOR INFORMATION:
CURRENT OWNER(S):
NAME: CITY OF SYRACUSE HOUSING AUTHORITY Owner Type: Local Government
FREDERICK R. MURPHY
ADDRESS: 516 BURKE STREET
SYRACUSE, NY 13202

SITE DESCRIPTION:
The McKinney site is located in an urban area of Syracuse, Onondaga County, NY at 1226 McBride St., corner of Burt St. The site has two deteriorated structures that will be demolished, and the site is currently inactive and unoccupied. The site was previously a metal working company and a scrap metal storage/processing business. Surrounding parcels are commercial and parking lots. Residential properties are about two blocks away. Prior metal industry activity as well as the existence of underground storage tanks, capacitors containing dielectric fluids and the presence of hydraulic machinery appear to be sources that have lead to contamination. A site investigation was conducted between December, 2002 and May, 2003; SI report dated January, 2004. The SHA acquired the property in 2005. Revised Site Investigation and Remedial Alternatives Work Plan was approved 12/10/07.

CONFIRMED HAZARDOUS WASTE DISPOSED:
None reported

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:
Site contamination includes a large variety of VOCs, SVOCs, PCBs and metals. Asbestos containing material (ACM) was also identified in building materials at the site. Contaminants of potential concern (COPCs) include: for surface soils -- benzo(a)anthracene, benzo(a)pyrene, dibenzo(a,h)anthracene, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, mercury, iron, zinc, selenium, nickel and PCBs; for sub-surface soils -- benzo(a)anthracene, benzo(a)pyrene, dibenzo(a,h)anthracene, arsenic, beryllium, cadmium, chromium, cobalt, copper, iron, nickel, selenium, vanadium and zinc; for groundwater -- benzene, xylene, naphthalene, acenaphthalene, iron, manganese and sodium. Lead concentrations in site soils also appear to be elevated, but no site specific background concentration for lead was determined for this investigation. Public water is available. A significant threat determination has not yet been made.

ASSESSMENT OF HEALTH PROBLEMS:
Exposures to contaminants in groundwater are not expected since area businesses and residences are supplied with municipal water. The potential exists for exposures to contaminated surface soils. Fencing has been recommended to prevent trespass and direct contact with surface soils. Additional investigations are needed to further delineate the nature and extent of contamination.
**********

***NO SOLID WASTE FACILITIES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS***

***NO HAZARDOUS WASTE TREATMENT/STORAGE/DISPOSERS IDENTIFIED WITHIN THE 1/2 MILE SEARCH RADIUS***

## *HAZARDOUS MATERIAL SPILLS INTRODUCTION*

The Hazardous Material Spills in this section are divided into eight spill cause groupings. These include:

Active Spills Section: Spills with incomplete paperwork that may or may not be cleaned up (See Date Cleanup Ceased)

1) Tank Failures
2) Tank Test Failures
3) Unknown Spill Cause or Other Spill Cause Hazardous Spills
4) Miscellanous Spill Causes: Equipment Failure, Human Error, Tank Overfill, Deliberate Spill, Traffic Accidents, Housekeeping, Abandoned Drum, and Vandalism.

Closed Status Spills Section: Spills with completed paperwork that may or may not be cleaned up (See Date Cleanup Ceased)

5) Tank Failures
6) Tank Test Failures
7) Unknown Spill Cause or Other Spill Cause Hazardous Spills
8) Miscellanous Spill Causes: Equipment Failure, Human Error, Tank Overfill, Deliberate Spill, Traffic Accidents, Housekeeping, Abandoned Drum, and Vandalism.

All spills within each spill cause category are presented in order of proximity to the subject site address.

**Please note that spills reported within 0.25 mile (or one-eighth mile in New York City) are mapped and profiled.**

**Between 0.25 mile (or one-eighth mile in New York City) and 0.5 mile, only the following spills are mapped and profiled:**

* Tank Failures;

* Tank Test Failures;

* Unknown Spill Cause or Other Spill Cause;

* Spills greater than 100 units of quantity; and

* Spills reported in the NYSDEC Fall 1998 MTBE Survey.

A table at the end of each section presents a listing of reported Miscellanous Spills with less than 100 units located between 0.25 mile (or one-eighth mile in Manhattan) and 0.5 mile. These spills are neither mapped nor profiled.

***NO ACTIVE TANK FAILURES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS***

***NO ACTIVE TANK TEST FAILURES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS***

## *ACTIVE UNKNOWN CAUSE SPILLS AND OTHER CAUSE SPILLS IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS*

Please Note: * - Compass directions can vary substantially for sites located very close to the subject property address.

**Map Identification Number 3** **PARKING LOT** **Spill Number: 0000005** **Close Date:**
600 S SALINA ST SYRACUSE, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2506 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 13202

Source of Spill: UNKNOWN
Notifier Type: Other
Caller Name: MARK SCHUMACHER
DEC Investigator: CFMANNES

Spiller: CROUSE & CO. CPA - PARKING LOT
Notifier Name: MARK SCHUMACHER
Caller Agency: INTEGRATED CONSULTANTS
Contact for more spill info: CROUSE & CO. CPA

Spiller Phone: (315) 414-1000
Notifier Phone: (315) 445-0224
Caller Phone: (315) 445-0224
Contact Person Phone: (315) 414-1000

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|---|---|---|---|---|
| 04/01/2000 | | UNKNOWN | NO | NO |

| Material Spilled | Material Class | Quantity Spilled | Units | Quantity Recovered | Units | Resource(s) Affected |
|---|---|---|---|---|---|---|
| UNKNOWN PETROLEUM | PETROLEUM | 0 | GALLONS | 0 | GALLONS | SOIL |

Caller Remarks:

CROUSE IS THE EXECUTOR OF THE ESTATE PROPERTY - USED TO BE A GAS STATION 20-30 YEARS AGO - SOIL BORINGS SHOW POSITIVE FOR CONTAMINATION

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "CM"
STIP SENT RESPONSIBLE PARTY.

System shutdown in February due to temperature and maintenance system to restart in April 04

***NO ACTIVE HAZARDOUS SPILLS - MISC. SPILL CAUSES - EQUIPMENT FAILURE, HUMAN ERROR, TANK OVERFILL, DELIBERATE SPILL, TRAFFIC ACCIDENT, HOUSEKEEPING, ABANDONED DRUM, AND VANDALISM - IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS.***
**All spills mapped and profiled within 1/4 mile. Between 1/4 mile and 1/2 mile search radius, spills reported to be greater than 100 units and spills reported in the NYSDEC Fall 1998 MTBE Survey are mapped and profiled. Spills reported to be less than 100 units are listed in a table at the end of this section.**

**THE FOLLOWING ACTIVE SPILLS FOR THIS CATEGORY WERE REPORTED BETWEEN 1/4 MILE AND 1/2 MILE SEARCH RADIUS FROM THE SUBJECT ADDRESS. THESE SPILLS WERE REPORTED TO BE LESS THAN 100 UNITS IN QUANTITY AND CAUSED BY: EQUIPMENT FAILURE, HUMAN ERROR, TANK OVERFILL, DELIBERATE SPILL, TRAFFIC ACCIDENT, HOUSEKEEPING, ABANDONED DRUM, OR VANDALISM. THESE SPILLS ARE NEITHER MAPPED NOR PROFILED IN THIS REPORT.**

| FACILITY ID | FACILITY NAME | STREET | CITY |
|---|---|---|---|
| 0710117 | BIG APPLE MARKET | 1410 SOUTH SALINA ST | SYRACUSE |

## *CLOSED STATUS TANK FAILURES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS*

Please Note: * - Compass directions can vary substantially for sites located very close to the subject property address.

**Map Identification Number 4** **STEAM PLANT** **Spill Number: 9908800** **Close Date: 11/23/1999**
MCBRIDE ST SYRACUSE, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 322 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: UNKNOWN

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Responsible Party
Caller Name: PAT STOCK
DEC Investigator: CFMANNES

Spiller: JIM MCCUMBER - SYRACUSE UNIVERSITY
Notifier Name: TOM REDDINGER
Caller Agency: SYRACUSE UNIVERSITY
Contact for more spill info: PAT STOCK

Spiller Phone: (315) 443-4132
Notifier Phone: (315) 443-9133
Caller Phone: (315) 443-9133
Contact Person Phone: (315) 443-4132

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|---|---|---|---|---|
| 10/20/1999 | | TANK FAILURE | NO | NO |

| Material Spilled | Material Class | Quantity Spilled | Units | Quantity Recovered | Units | Resource(s) Affected |
|---|---|---|---|---|---|---|
| #2 FUEL OIL | PETROLEUM | 10.00 | GALLONS | 0.00 | GALLONS | SOIL |

Caller Remarks:

old contamination from a old tank that was closed 10yrs ago

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "CM"

**Map Identification Number 5** **FORMER SALVATION ARMY** **Spill Number: 0404882** **Close Date: 03/04/2005**
1105 SOUTH STATE ST SYRACUSE, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 800 feet to the W

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 13202

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Other
Caller Name: DAMIAN VANETTI
DEC Investigator: BFMATTHE

Spiller: DAVID FICKINGER - SALVATION ARMY
Notifier Name: DAMIAN VANETTI
Caller Agency: S&W REDEVELOPMENT
Contact for more spill info: DAVID FICKINGER

Spiller Phone: (315) 475-6181
Notifier Phone: (315) 422-4949
Caller Phone: (315) 422-4949
Contact Person Phone: (315) 475-6181

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|---|---|---|---|---|
| 08/04/2004 | | TANK FAILURE | NO | NO |

| Material Spilled | Material Class | Quantity Spilled | Units | Quantity Recovered | Units | Resource(s) Affected |
|---|---|---|---|---|---|---|
| GASOLINE | PETROLEUM | 0 | POUNDS | 0 | POUNDS | GROUNDWATER |

Caller Remarks:

550 gallon tank.excavation.removing contaminated soil

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "BM"

**Map Identification Number 6** **S STATE STREET** **Spill Number: 9208359** **Close Date: 01/26/1993**
S STATE ST/NEW STREET SYRACUSE, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1009 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 13202

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER | Spiller: SYRACUSE HOUSING AUTH | Spiller Phone:
Notifier Type: Responsible Party | Notifier Name: | Notifier Phone:
Caller Name: BILL GEHRKE | Caller Agency: SYRACUSE HOUSING AUTH | Caller Phone:
DEC Investigator: MENASH | Contact for more spill info: | Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|---|---|---|---|---|
| 10/19/1992 | 01/26/1993 | TANK FAILURE | UNKNOWN | NO |

| Material Spilled | Material Class | Quantity Spilled | Units | Quantity Recovered | Units | Resource(s) Affected |
|---|---|---|---|---|---|---|
| DIESEL | PETROLEUM | 0 | UNKNOWN | 0 | UNKNOWN | SOIL |

Caller Remarks:

UNCOVERED 550 GAL TANK WHILE EXCAVATING FOR SEWER LINE. CONTAMINATED SOIL FOUND FROM LEAKING TANK. SOIL TO BE STAGED AND DISPOSED OF BY SYR HOUSING AUTH

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MN"

**Map Identification Number 7** **V.A. MEDICAL CENTER** **Spill Number: 9807877** **Close Date: 08/06/2002**
800 IRIVING AVENUE SYRACUSE, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (2)
Approximate distance from property: 1343 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: 800 IRVING AVE
Revised zip code: 13210

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER | Spiller: JAMES LITTLEFIELD - V.A. MEDICAL CENTER | Spiller Phone: (716) 892-5052
Notifier Type: Other | Notifier Name: NICOLE COPELAND | Notifier Phone: (315) 478-2374
Caller Name: NICOLE COPELAND | Caller Agency: CERTIFIED ENVIRONMENTAL S | Caller Phone: (315) 478-2374
DEC Investigator: CFMANNES | Contact for more spill info: JAMES LITTLEFIELD | Contact Person Phone: (716) 892-5052

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|---|---|---|---|---|
| 09/28/1998 | | TANK FAILURE | NO | NO |

| Material Spilled | Material Class | Quantity Spilled | Units | Quantity Recovered | Units | Resource(s) Affected |
|---|---|---|---|---|---|---|
| DIESEL | PETROLEUM | 0 | GALLONS | 0 | GALLONS | |

Caller Remarks:

WORK SITE PHONE #716-830-3093 DON ALDRICH - POSS LEAKING PIPES FROM TANK

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "CM"
NO DATA SUBMITTED

**Map Identification Number 8** **VA HOSPITAL** **Spill Number: 0402165** **Close Date: 09/29/2004**
800 IRIVING AVENUE SYRACUSE, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (2)
Approximate distance from property: 1343 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: 800 IRVING AVE
Revised zip code: 13210

| | | | | |
|---|---|---|---|---|
| Source of Spill: | INSTITUTIONAL, EDUC, GOV, OTHER | Spiller: | JOHN SLICK - VA HOSPITAL | Spiller Phone: (315) 425-3761 |
| Notifier Type: | Responsible Party | Notifier Name: | JOHN SLICK | Notifier Phone: (315) 425-3761 |
| Caller Name: | JOHN SLICK | Caller Agency: | VA HOSP | Caller Phone: (315) 425-3761 |
| DEC Investigator: | BFMATTHE | Contact for more spill info: | JOHN SLICK | Contact Person Phone: (315) 425-3761 |

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|---|---|---|---|---|
| 05/27/2004 | | TANK FAILURE | NO | NO |

| Material Spilled | Material Class | Quantity Spilled | Units | Quantity Recovered | Units | Resource(s) Affected |
|---|---|---|---|---|---|---|
| #2 FUEL OIL | PETROLEUM | 0 | POUNDS | 0 | POUNDS | GROUNDWATER |

Caller Remarks:

3000 GALLON TANK WAS REMOVED HAD HOLES AND CONTAMINATED SOIL: THOUGHT TO BE EMPTIED UNSURE WHAT RELEASED: NOT MUCH IN HOLE:

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "BM"
CLOSURE REPORT SHOWS CLEAN.

**Map Identification Number 9** **MONDO'S AGWAY** **Spill Number: 8403634** **Close Date: 06/17/1991**
1127 SO. SALINA ST SYRACUSE, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1494 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 13202

| | | | | | |
|---|---|---|---|---|---|
| Source of Spill: | GASOLINE STATION | Spiller: | EDWARD MONDO | Spiller Phone: | |
| Notifier Type: | Police Department | Notifier Name: | | Notifier Phone: | |
| Caller Name: | JAY SEITZ | Caller Agency: | SYR. F.D. | Caller Phone: | |
| DEC Investigator: | GREGG | Contact for more spill info: | | Contact Person Phone: | |

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|---|---|---|---|---|
| 03/25/1985 | 06/17/1991 | TANK FAILURE | UNKNOWN | NO |

| Material Spilled | Material Class | Quantity Spilled | Units | Quantity Recovered | Units | Resource(s) Affected |
|---|---|---|---|---|---|---|
| GASOLINE | PETROLEUM | 250.00 | GALLONS | 190.00 | GALLONS | GROUNDWATER |

Caller Remarks:

LOST 250 GAL. TANK BEING REMOVED FOUND PRODUCT.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TG"
06/14/89: CHECKED WELLS WITH J. SEITZ. FREE PRODUCT IN ALL 3 WELLS.

07/10/89: INTERIM ISR GIVEN TO REGIONAL ATTORNEY. MET WITH MR. MONDO AND HE IS HIRING A CONSULTANT TO DO A PHASE I HYDROGEO STUDY.

04/20/91: SITE VISIT TO BE PERFORMED TO CHECK LEVELS IN WELLS AND TO TALK WITH SPILLER.

06/17/91: ALL FREE PRODUCT REMOVED.

**Map Identification Number 10** **MONDO'S SERVICE STATION** **Spill Number: 0703031** **Close Date: 10/04/2007**
1133 SOUTH SALINA SYRACUSE, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (4)
Approximate distance from property: 1508 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: 1133 S SALINA ST
Revised zip code: 13202

Source of Spill: GASOLINE STATION Spiller: JOHN LAVALLEY - MONDO'S SERVICE STATION Spiller Phone: (315) 573-2577
Notifier Type: Other Notifier Name: Notifier Phone:
Caller Name: Caller Agency: Caller Phone:
DEC Investigator: RJBRAZEL Contact for more spill info: JOHN LAVALLEY Contact Person Phone: (315) 573-2577

Spill Class: POSSIBLE REL WITH MIN POTENTIAL FOR FIRE OR HAZARD (OR KNOWN RELEASE W/ NO DAMAGE);DEC RESP;WILLING RP;CORR ACTION TAKEN

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|---|---|---|---|---|
| 06/13/2007 | | TANK FAILURE | NO | NO |

| Material Spilled | Material Class | Quantity Spilled | Units | Quantity Recovered | Units | Resource(s) Affected |
|---|---|---|---|---|---|---|
| GASOLINE | PETROLEUM | 0 | GALLONS | 0 | GALLONS | GROUNDWATER |

Caller Remarks:

FOUND SHEEN AND ODOR WHILE REMOVING TANKS:

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

**Map Identification Number 11** **CENTRO PARKING INC.** **Spill Number: 9311487** **Close Date: 02/12/2001**
SUNY HEALTH SRV. CENTER SYRACUSE, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (2)
Approximate distance from property: 1593 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: SUNY HEALTH SRV.CENTER
Revised zip code: 13210

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Spiller: NYS DORMITORY
Spiller Phone: (518) 475-3140
Notifier Type: Responsible Party
Notifier Name:
Notifier Phone:
Caller Name: CARLTON F. NEUHIERL
Caller Agency: CENTRO PARKING INC.
Caller Phone: (315) 464-4539
DEC Investigator: CFMANNES
Contact for more spill info:
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|---|---|---|---|---|
| 12/23/1993 | | TANK FAILURE | NO | NO |

| Material Spilled | Material Class | Quantity Spilled | Units | Quantity Recovered | Units | Resource(s) Affected |
|---|---|---|---|---|---|---|
| #2 FUEL OIL | PETROLEUM | 0 | POUNDS | 0 | POUNDS | SOIL |

Caller Remarks:

TANKS WAS TESTED JAN 93 OK;NOW APPEARS TO BE TAKING ON WATER. CALLER TO INVEST WITH POSSIBLE CONTRACTOR.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "CM"
12/27/93: SPOKE W/ MIKE,ONFORMED HIM TO PUMP DOWN TANKS AND TO CONTACT HOWARD FOR PROPER CLOSURE OF THE TANK.

09/28/95: This is additional information about material spilled from the translation of the old spill file: TANK FAILURE.

**Map Identification Number 12** **ADAMS & STATE ST. GARAGE** **Spill Number: 9108385** **Close Date: 11/07/1991**
ADAMS & STATE STREET SYRACUSE, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1770 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: E ADAMS ST / S STATE ST
Revised zip code: 13202

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER | Spiller: ONONDAGA COUNTY | Spiller Phone:
Notifier Type: Fire Department | Notifier Name: | Notifier Phone:
Caller Name: JAY SEITZ | Caller Agency: SYRACUSE FIRE DEPT | Caller Phone: (315) 473-3297
DEC Investigator: ROMOCKI | Contact for more spill info: | Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|---|---|---|---|---|
| 11/06/1991 | 11/07/1991 | TANK FAILURE | UNKNOWN | NO |

| Material Spilled | Material Class | Quantity Spilled | Units | Quantity Recovered | Units | Resource(s) Affected |
|---|---|---|---|---|---|---|
| GASOLINE | PETROLEUM | 1.00 | POUNDS | 0.00 | POUNDS | SOIL |

Caller Remarks:

ONE TANK WAS DISCOVERED ON 11/05/91 AT 3:00. ON MORNING OF 11/06/91 THERE WAS ANOTHER TANK LOCATED WHICH WAS DAMAGED AND PRODUCT SPILLED.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MR"
11/07/91: EPS HIRED BY ONONDAGA COUNTY TO CLEAN AND REMOVE TANKS. 8 BARRELS OFWATER PUMPED FROM THE TWO TANKS FOR DISPOSAL. ALSO ONE BARREL OF SOIL. NO RESIDUAL CONTAMINATION REMAINING IN SOIL SURROUNDING TANKS.

**Map Identification Number 13** **743 IRVING AVE.** **Spill Number: 9101558** **Close Date: 05/08/1991**
743 IRVING AVE
SYRACUSE, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (4)
Approximate distance from property: 1955 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: 743 IRVING AVE.
Revised zip code: 13210

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER | Spiller: CROUSE IRVING HOSPITAL | Spiller Phone:
Notifier Type: Other | Notifier Name: | Notifier Phone:
Caller Name: DICK OLIVER - | Caller Agency: ENVIROMENTAL PRODUCTS AND | Caller Phone: (315) 471-0503
DEC Investigator: ROMOCKI | Contact for more spill info: | Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|---|---|---|---|---|
| 05/08/1991 | 05/08/1991 | TANK FAILURE | UNKNOWN | NO |

| Material Spilled | Material Class | Quantity Spilled | Units | Quantity Recovered | Units | Resource(s) Affected |
|---|---|---|---|---|---|---|
| #2 FUEL OIL | PETROLEUM | 10.00 | GALLONS | 8.00 | GALLONS | SOIL |

Caller Remarks:

CONTAMINATED SOIL DISCOVERED DURING TANK REMOVAL.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MR"
05/08/91: CONTENTS OF TANK LEAKED AS TANK WAS BEING REMOVED FROM TANK PIT.SOIL WAS EVCAVATED FROM SITE IMMEADIATELY AND STAGED FOR DISPOSAL.

**Map Identification Number 14** **DESIMONES SERVICE STA.** **Spill Number: 8705408** **Close Date: 10/28/1987**
680 S. SALINA ST SYRACUSE, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2000 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 13202

Source of Spill: GASOLINE STATION
Notifier Type: Fire Department
Caller Name:
DEC Investigator: AJMARSCH

Spiller: DESIMONES GAS STATION
Notifier Name:
Caller Agency:
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone:
Contact Person Phone:

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|---|---|---|---|---|
| 09/28/1987 | 10/28/1987 | TANK FAILURE | UNKNOWN | NO |

| Material Spilled | Material Class | Quantity Spilled | Units | Quantity Recovered | Units | Resource(s) Affected |
|---|---|---|---|---|---|---|
| GASOLINE | PETROLEUM | 0 | POUNDS | 0 | POUNDS | GROUNDWATER |

Caller Remarks:

EXCAVATION REVEALED CONTAMINATED SOIL.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "JM"
/ / : REMOVED CONTAMINATED SOIL. HAULED AWAY BY ENV. OIL.

**Map Identification Number 15** **HARRISON PL & E ADAMS ST** **Spill Number: 9814193** **Close Date: 04/26/1999**
HARRISON PL & E ADAMS ST SYRACUSE, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2217 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: HARRISON PL / E ADAMS ST
Revised zip code: 13202

Source of Spill: PASSENGER VEHICLE Spiller: KATHLEEN MCLAGGEN Spiller Phone:
Notifier Type: Fire Department Notifier Name: Notifier Phone:
Caller Name: LT MARTIN HEIM Caller Agency: SYRACUSE FIRE DEPT Caller Phone: (315) 473-5676
DEC Investigator: CFMANNES Contact for more spill info: CALLER Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|---|---|---|---|---|
| 02/25/1999 | | TANK FAILURE | NO | NO |

| Material Spilled | Material Class | Quantity Spilled | Units | Quantity Recovered | Units | Resource(s) Affected |
|---|---|---|---|---|---|---|
| GASOLINE | PETROLEUM | 1.00 | GALLONS | 0.00 | GALLONS | SOIL |

Caller Remarks:

GAS TANK SPRUNG A LEAK. CLEANUP COMPLETED.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "CM"

**Map Identification Number 16** **Spill Number: 9900884** **Close Date: 03/20/2000**

116 EAST CASTLE ST SYRACUSE, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2237 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 13205

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Responsible Party
Caller Name: JAMES WHEELER
DEC Investigator: CFMANNES

Spiller: HOWARD NURSING HM
Notifier Name:
Caller Agency: EISENBACH
Contact for more spill info: CALLER

Spiller Phone:
Notifier Phone:
Caller Phone: (315) 735-1916
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|---|---|---|---|---|
| 04/23/1999 | | TANK FAILURE | NO | NO |

| Material Spilled | Material Class | Quantity Spilled | Units | Quantity Recovered | Units | Resource(s) Affected |
|---|---|---|---|---|---|---|
| DIESEL | PETROLEUM | 0 | GALLONS | 0 | GALLONS | SOIL |

Caller Remarks:

PULLED TANK, FOUND CONTAMINATION.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "CM"
BM WENT TO TANK PULL, CM TOOK OVER SITE

**Map Identification Number 17** **S&F AUTOMOTIVE** **Spill Number: 9207347** **Close Date: 10/05/1992**

420 ONEIDA ST SYRACUSE, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2476 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 13202

Source of Spill: COMMERCIAL VEHICLE | Spiller: S & F AUTOMOTIVE | Spiller Phone: (315) 475-8955
Notifier Type: Affected Persons | Notifier Name: | Notifier Phone:
Caller Name: PAUL GOSSARD | Caller Agency: COYNE TEXTILES | Caller Phone: (315) 475-9522
DEC Investigator: MENASH | Contact for more spill info: | Contact Person Phone:

Spill Class: POSSIBLE RELEASE WITH MIN POTENTIAL FOR FIRE OR HAZARD (OR KNOWN REL W/ NO DAMAGE);NO DEC RESP;NO CORR ACTION REQUIRED

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|---|---|---|---|---|
| 09/24/1992 | 10/05/1992 | TANK FAILURE | UNKNOWN | NO |

| Material Spilled | Material Class | Quantity Spilled | Units | Quantity Recovered | Units | Resource(s) Affected |
|---|---|---|---|---|---|---|
| DIESEL | PETROLEUM | 50.00 | GALLONS | 0.00 | GALLONS | SOIL |

Caller Remarks:

VEHICLE LEAKED ONTO PAVEMENT AND OIL SWEEPED INTO STORM SEWER BY S&F PERSONNEL.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MN"
10/05/92: NO RESPONSE MADE.

**Map Identification Number 18** **CENTRO-BUS LINE** **Spill Number: 9411200** **Close Date: 12/07/1995**
1-CENTRO CENTER SYRACUSE, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2563 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: 1 CENTRO CENTER
Revised zip code: 13202

Source of Spill: COMMERCIAL/INDUSTRIAL | Spiller: CENTRO BUS SERVICE | Spiller Phone: (315) 442-3325
Notifier Type: Tank Tester | Notifier Name: | Notifier Phone:
Caller Name: JIM VANVALCANBERG | Caller Agency: B&D PUMP & TANK | Caller Phone: (800) 724-6928
DEC Investigator: CFMANNES | Contact for more spill info: | Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|---|---|---|---|---|
| 11/21/1994 | | TANK FAILURE | NO | NO |

| Material Spilled | Material Class | Quantity Spilled | Units | Quantity Recovered | Units | Resource(s) Affected |
|---|---|---|---|---|---|---|
| #2 FUEL OIL | PETROLEUM | 0 | GALLONS | 0 | GALLONS | SOIL |

Caller Remarks:

TEST RESULTS INDICATE 3.6 INCHES/HR, CNY CENTRO INCORP. NO RESOURCE AFFECTED-UP TO MR.RYAN HIS RESPONSIBILITY.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "CM"
11/22/94: REFERRED SPILL TO JD.

09/28/95: This is additional information about material spilled from the translation of the old spill file: TNK TST FAIL. 3.6"/H.

12/07/95: TANK AND LINES PASSED AN UNRECONIZED AIR TEST. TANK WAS EPTIED AND THE LINES REMOVED. TANK WILL BE REMOVED WHEN UPGRADING OF FACILITY IS DONE. NO FURTHER ACTION REQUIRED AT THIS TIME.

## *CLOSED STATUS TANK TEST FAILURES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS*

Please Note: * - Compass directions can vary substantially for sites located very close to the subject property address.

**Map Identification Number 19** **SYRACUSE U. STEAM STATION** **Spill Number: 8605148** **Close Date: 01/15/1988**
500 EAST TAYLOR STREET SYRACUSE, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 322 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: 500 E TAYLOR ST
Revised zip code: 13202

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER Spiller: SYRACUSE UNIV. STEAM STA. Spiller Phone: (315) 423-4188
Notifier Type: Tank Tester Notifier Name: Notifier Phone:
Caller Name: Caller Agency: Caller Phone:
DEC Investigator: WATKINS Contact for more spill info: Contact Person Phone:

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|---|---|---|---|---|
| 11/11/1986 | 01/15/1988 | TANK TEST FAILURE | UNKNOWN | NO |

| Material Spilled | Material Class | Quantity Spilled | Units | Quantity Recovered | Units | Resource(s) Affected |
|---|---|---|---|---|---|---|
| #2 FUEL OIL | PETROLEUM | 0 | UNKNOWN | 0 | UNKNOWN | GROUNDWATER |

Caller Remarks:

1000 GAL. TANK. FAILURE RATE .8 GALS. PER HOUR. TANK 55 YEARS OLD. SEE ALSO SPILL #86-5131. DUPLICATION.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "AW"

**Map Identification Number 20** **SYR. U. STEAM STATION** **Spill Number: 8605131** **Close Date: 01/15/1988**
500 EAST TAYLOR STREET SYRACUSE, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 322 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: 500 E TAYLOR ST
Revised zip code: 13202

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Tank Tester
Caller Name:
DEC Investigator: WATKINS
Spiller: SYRACUSE U. STEAM STATION
Notifier Name:
Caller Agency:
Contact for more spill info:
Spiller Phone: (315) 423-4188
Notifier Phone:
Caller Phone:
Contact Person Phone:

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|---|---|---|---|---|
| 11/11/1986 | 01/15/1988 | TANK TEST FAILURE | UNKNOWN | NO |

| Material Spilled | Material Class | Quantity Spilled | Units | Quantity Recovered | Units | Resource(s) Affected |
|---|---|---|---|---|---|---|
| #2 FUEL OIL | PETROLEUM | 0 | UNKNOWN | 0 | UNKNOWN | GROUNDWATER |

Caller Remarks:

ATLANTIC TESTING DID TANK TEST. LOSING 2" IN MINUTES. ALSO SEE SPILL #86-5148. DUPLICATION.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "AW"
/ / : LEAK ON TOP OF TANK. WILL ABANDON TANK BY END OF YR.WILL SEND LETTER WHEN THE WORK BEGINS.

**Map Identification Number 21** **NYS TEAMSTERS** **Spill Number: 9001641** **Close Date: 09/13/1990**
NEW STREET SYRACUSE, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (5)
Approximate distance from property: 1306 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: UNKNOWN

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Tank Tester
Caller Name: WAYNE FUGAL
DEC Investigator: ROMOCKI
Spiller: NYS TEAMSTERS RETIRE FUND
Notifier Name:
Caller Agency: INTERFACE SERVICE
Contact for more spill info:
Spiller Phone:
Notifier Phone:
Caller Phone:
Contact Person Phone:

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|---|---|---|---|---|
| 05/11/1990 | 08/27/1990 | TANK TEST FAILURE | UNKNOWN | NO |

| Material Spilled | Material Class | Quantity Spilled | Units | Quantity Recovered | Units | Resource(s) Affected |
|---|---|---|---|---|---|---|
| #2 FUEL OIL | PETROLEUM | 10.00 | UNKNOWN | 5.00 | UNKNOWN | SOIL |

Caller Remarks:

CONTACT BRAD SMITH SUTTON REAL ESTATE 424-1111 PETRO-TITE TEST FAILUREVENT PROBLEM SUSPECTED.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MR"
09/13/90: SOME CONTAMINATED SOIL REMOVED FROM THE SITE.

**Map Identification Number 22** **CLARK HALL; CROUSE IRVIN.** **Spill Number: 8709940** **Close Date: 04/12/1988**
ELIZABETH BLACKWELL ST SYRACUSE, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (4)
Approximate distance from property: 2249 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: ELIZABETH BLOOCKWELL ST
Revised zip code: 13210

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Tank Tester
Caller Name: AL KENDALL
DEC Investigator: CSCUIPLY
Spiller: CROUSE IRVING HOSPITAL
Notifier Name:
Caller Agency: SAFETY & DISPOSAL
Contact for more spill info:
Spiller Phone: (315) 473-5153
Notifier Phone:
Caller Phone: (315) 473-5153
Contact Person Phone:

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|---|---|---|---|---|
| 02/18/1988 | 04/12/1988 | TANK TEST FAILURE | UNKNOWN | NO |

| Material Spilled | Material Class | Quantity Spilled | Units | Quantity Recovered | Units | Resource(s) Affected |
|---|---|---|---|---|---|---|
| GASOLINE | PETROLEUM | 0 | UNKNOWN | 0 | UNKNOWN | GROUNDWATER |

Caller Remarks:

FAILURE RATE +.279 GPH

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DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "CC"
02/22/88: TANKS PULLED ON 02/19/88. EXPLOSIVE VAPORS PERSIST.

04/12/88: TANKS: CONTAMINATED SOIL REMOVED. DISCHARGE INTO STORM SEWER SUBSIDED.

**Map Identification Number 23** **CARRIER DOME** **Spill Number: 8903207** **Close Date: 09/27/1989**
FOSTER DRIVE SYRACUSE, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (2)
Approximate distance from property: 2322 feet to the ESE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Tank Tester
Caller Name: WILLIAM PRUNER
DEC Investigator: GREGG

Spiller: SYRAUCSE UNIVERSITY
Notifier Name:
Caller Agency: ENV. OIL
Contact for more spill info:

Spiller Phone: (315) 443-3517
Notifier Phone:
Caller Phone: (315) 471-3068
Contact Person Phone:

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|---|---|---|---|---|
| 06/27/1989 | 09/27/1989 | TANK TEST FAILURE | UNKNOWN | NO |

| Material Spilled | Material Class | Quantity Spilled | Units | Quantity Recovered | Units | Resource(s) Affected |
|---|---|---|---|---|---|---|
| #2 FUEL OIL | PETROLEUM | 0 | UNKNOWN | 0 | UNKNOWN | GROUNDWATER |

Caller Remarks:

5,000 GAL. TANK. AINLEY TEST FAILURE RATE .0557 GPH.

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DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TG"
06/27/89: WILL ISOLATE LINES AND RETEST.

11/15/89: TANK TEST FAILURE. TANK WAS RETESTED & TESTED TIGHT.

**Map Identification Number 24** **SYRACUSE CARRIER DOME** **Spill Number: 0210237** **Close Date: 10/31/2003**
900 IRVING AVE SYRACUSE, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (2)
Approximate distance from property: 2322 feet to the ESE

ADDRESS CHANGE INFORMATION
Revised street: 900 IRVING AV
Revised zip code: 13210

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Spiller: CATHY STRICKLAND - SYRACUSE UNIVERSITY
Spiller Phone: (607) 756-4253
Notifier Type: Tank Tester
Notifier Name: TRENT OLSEN
Notifier Phone:
Caller Name: CHUCK PEDANO
Caller Agency: CROMPC0
Caller Phone: (800) 646-3161
DEC Investigator: CFMANNES
Contact for more spill info: CATHY STRICKLAND
Contact Person Phone: (607) 756-4253

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|---|---|---|---|---|
| 01/10/2003 | | TANK TEST FAILURE | NO | NO |

| Material Spilled | Material Class | Quantity Spilled | Units | Quantity Recovered | Units | Resource(s) Affected |
|---|---|---|---|---|---|---|
| #2 FUEL OIL | PETROLEUM | 0 | GALLONS | 0 | GALLONS | SOIL |

TANK TEST INFORMATION

| Tank Number | Tank Size | Tank Test Method | Leak Rate | Gross Leak or Failure |
|---|---|---|---|---|
| | | Unknown | 0.00 | UNKNOWN |
| UNK | 3000 | Horner EZ Check I or II | 0.00 | FAIL |

Caller Remarks:

TANK TEST FAILURE AT ABOVE LOCATION. REPLACE MANWAY LID AND RESTEST.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "CM"

**Map Identification Number 25** **BYRNE DAIRY** **Spill Number: 8603904** **Close Date: 01/15/1988**
235 KING STREET SYRACUSE, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2483 feet to the W

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 13202

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Tank Tester
Caller Name:
DEC Investigator: VOLLMER
Spiller: BYRNE DAIRY
Notifier Name:
Caller Agency:
Contact for more spill info:
Spiller Phone:
Notifier Phone:
Caller Phone:
Contact Person Phone:

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|---|---|---|---|---|
| 09/16/1986 | 01/15/1988 | TANK TEST FAILURE | UNKNOWN | NO |

| Material Spilled | Material Class | Quantity Spilled | Units | Quantity Recovered | Units | Resource(s) Affected |
|---|---|---|---|---|---|---|
| DIESEL | PETROLEUM | 0 | UNKNOWN | 0 | UNKNOWN | GROUNDWATER |

Caller Remarks:

TANK TESTED OUT OF TOLERANCE -.657 PER HOUR

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "JR"
/ / : CLEMETT CO. IS TANK TESTER COMPANY.

**Map Identification Number 26** **CNY CENTRO INC.** **Spill Number: 9413883** **Close Date: 08/06/2002**
200 CORTLAND AVENUE SYRACUSE, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2563 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 13202

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Responsible Party
Caller Name: DLE
DEC Investigator: CFMANNES
Spiller: CNY CENTRO INC.
Notifier Name:
Caller Agency: CLEMETT
Contact for more spill info:
Spiller Phone: (315) 442-3325
Notifier Phone:
Caller Phone: (315) 454-4455
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|---|---|---|---|---|
| 01/18/1995 | | TANK TEST FAILURE | NO | NO |

| Material Spilled | Material Class | Quantity Spilled | Units | Quantity Recovered | Units | Resource(s) Affected |
|---|---|---|---|---|---|---|
| #2 FUEL OIL | PETROLEUM | 0 | POUNDS | 0 | POUNDS | SOIL |

Caller Remarks:

TANK TEST FAILURE.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "CM"
NO REPORT SUBMITTED

**Map Identification Number 27** **CENTRAL NY INC** **Spill Number: 9213577** **Close Date: 12/28/1995**
2OO CORTLAND AVE SYRACUSE, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2563 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: 200 CORTLAND AV
Revised zip code: 13202

Source of Spill: COMMERCIAL/INDUSTRIAL Spiller: CENTRAL NY INC Spiller Phone: (315) 442-3333
Notifier Type: Tank Tester Notifier Name: Notifier Phone:
Caller Name: DALE WHITEMAN Caller Agency: CLEMENT Caller Phone: (315) 454-4435
DEC Investigator: BFMATTHE Contact for more spill info: Contact Person Phone:

Spill Class: NO SPILL OCCURRED;DEC RESPONSE;NO CORRECTIVE ACTION REQUIRED

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|---|---|---|---|---|
| 03/09/1993 | | TANK TEST FAILURE | NO | NO |

| Material Spilled | Material Class | Quantity Spilled | Units | Quantity Recovered | Units | Resource(s) Affected |
|---|---|---|---|---|---|---|
| UNKNOWN PETROLEUM | PETROLEUM | 0 | POUNDS | 0 | POUNDS | SOIL |

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Caller Remarks:

TANK TEST FAILURE CLEMENT WILL RETEST

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DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "BM"
03/12/93: MR DAVID RYAN CONTACTED DEC ON3-12-93 AND STATED THAT THE TANK WAS RETESTED AND IT PASSED.

## *CLOSED STATUS UNKNOWN CAUSE SPILLS AND OTHER CAUSE SPILLS IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS*

Please Note: * - Compass directions can vary substantially for sites located very close to the subject property address.

**Map Identification Number 28** **PRIVATE RESIDENCE** **Spill Number: 0402274** **Close Date: 06/04/2004**
1226 SOUTH MCBRIDE SYRACUSE, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 0 feet

ADDRESS CHANGE INFORMATION
Revised street: 1226 S MC BRIDE ST
Revised zip code: 13202

Source of Spill: PRIVATE DWELLING
Notifier Type: Fire Department
Caller Name: JOE GALLAWAY
DEC Investigator: CXROSSI

Spiller: JOE GALLAWAY - PRIVATE RESIDENCE
Notifier Name: JOE GALLAWAY
Caller Agency: FIRE DEPT.
Contact for more spill info: JOE GALLAWAY

Spiller Phone: (315) 263-2401 ext. C
Notifier Phone: (315) 263-2401
Caller Phone: (315) 263-2401
Contact Person Phone: (315) 263-2401 ext. C

Spill Class: NO SPILL OCCURRED;DEC RESPONSE;NO CORRECTIVE ACTION REQUIRED

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|---|---|---|---|---|
| 05/31/2004 | | OTHER | NO | NO |

NO MATERIAL INFORMATION GIVEN FOR THIS SPILL

Caller Remarks:

A FIRE AT THIS RESIDENCE YESTERDAY, NEED DEC TO RESPOND, TO TALK ABOUT CONTAMINATION AND DEBRIS: ON SCENE RIGHT NOW:

FD Called Hotline to get response on if there was a record of contamination.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "CTR"

**Map Identification Number 29** **E. TAYLOR AND MCBRIDE ST.** **Spill Number: 9204042** **Close Date: 07/08/1992**
EAST TAYLOR AND MCBRIDE SYRACUSE, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 284 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: E TAYLOR ST / S MC BRIDE ST
Revised zip code: 13202

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Citizen
Caller Name: MANUEL HENDERSON
DEC Investigator: RJBRAZEL
Spiller: NO NAME CONSTRUCTION CO
Notifier Name:
Caller Agency: CITY
Contact for more spill info:
Spiller Phone:
Notifier Phone:
Caller Phone: (315) 422-0050
Contact Person Phone:

Spill Class: NO SPILL OCCURRED;DEC RESPONSE;NO CORRECTIVE ACTION REQUIRED

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|---|---|---|---|---|
| 07/08/1992 | 07/08/1992 | UNKNOWN | UNKNOWN | NO |

| Material Spilled | Material Class | Quantity Spilled | Units | Quantity Recovered | Units | Resource(s) Affected |
|---|---|---|---|---|---|---|
| UNKNOWN PETROLEUM | PETROLEUM | 0 | UNKNOWN | 0 | UNKNOWN | AIR |

Caller Remarks:

CALLER AND SEVERAL OTHER BUSINESS PEOPLE IN THE VICINITY ARE CONCERNEDBECAUSE SMALL CHILDREN ARE PLAYING IN THE AREA

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "RB"
09/28/95: This is additional information about material spilled from the translation of the old spill file: HEAVY YELLOW SMOKE.

**Map Identification Number 30** **TAYLOR & MCBRIDE ST.- PCB** **Spill Number: 9107234** **Close Date: 11/12/1991**
TAYLOR AND MCBRIDE ST SYRACUSE, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 284 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: E TAYLOR ST / S MC BRIDE ST
Revised zip code: 13202

Source of Spill: COMMERCIAL/INDUSTRIAL | Spiller: NIAGRA MOHAWK POWER CO. | Spiller Phone: (315) 460-2421
Notifier Type: Affected Persons | Notifier Name: | Notifier Phone:
Caller Name: DENNIS ALEXANDER | Caller Agency: NI-MO | Caller Phone: (315) 460-2421
DEC Investigator: ROMOCKI | Contact for more spill info: | Contact Person Phone:

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|---|---|---|---|---|
| 10/05/1991 | 10/07/1991 | OTHER | UNKNOWN | NO |

| Material Spilled | Material Class | Quantity Spilled | Units | Quantity Recovered | Units | Resource(s) Affected |
|---|---|---|---|---|---|---|
| PCB OIL | PETROLEUM | 20.00 | GALLONS | 19.00 | GALLONS | SOIL |

Caller Remarks:

BLDG. CONSTRUCTION PROJECT COLLASPED BRINGING DOWN THREE UTILITY POLES. ONE TRANSFORMER LEAKED WHEN IT HIT THE GROUND.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MR"
10/07/91: NIMO PERSONEL PERFORMING CLEANUP. TO SEND CLOSURE REPORT W/SAMPLING RESULT FROM SPILL SITE.

11/12/91: REC'D DOCUMENTATION REPORT REGARDING CLEANUP FROM NIAGRA-MOHAWK.

**Map Identification Number 31** **INTERSECTION OF** **Spill Number: 0600689** **Close Date: 04/19/2006**
EAST TAYLOR/SOUTH MCBRIDE SYRACUSE, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 284 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: E TAYLOR ST / S MC BRIDE ST
Revised zip code: 13202

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER | Spiller: GLENN WILLIAMS - NATIONAL GRID | Spiller Phone: (315) 447-1479
Notifier Type: Responsible Party | Notifier Name: | Notifier Phone:
Caller Name: | Caller Agency: | Caller Phone:
DEC Investigator: KCKemp | Contact for more spill info: GLENN WILLIAMS | Contact Person Phone: (315) 447-1479

Spill Class: POSSIBLE REL WITH MIN POTENTIAL FOR FIRE OR HAZARD (OR KNOWN RELEASE W/ NO DAMAGE);DEC RESP;WILLING RP;CORR ACTION TAKEN

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|---|---|---|---|---|
| 04/18/2006 | 04/19/2006 | OTHER | YES | NO |

| Material Spilled | Material Class | Quantity Spilled | Units | Quantity Recovered | Units | Resource(s) Affected |
|---|---|---|---|---|---|---|
| HYDRAULIC OIL | OTHER | 3.00 | GALLONS | 0.00 | GALLONS | SOIL |

Caller Remarks:

THEY WERE REELING HOSE AND OI LEAKED OUT AND OPTECH IS ENROUTE TO CLEAN UP

DEC Investigator Remarks:

cleaned up by optech. no stains noted.

**Map Identification Number 32** **STEAM STATION** **Spill Number: 9004309** **Close Date: 07/30/1990**
S MCBRIDE ST/TAYLOR SYRACUSE, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 322 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: S MC BRIDE ST / E TAYLOR ST
Revised zip code: 13202

Source of Spill: UNKNOWN Spiller: SYRACUSE UNIVERSITY Spiller Phone:
Notifier Type: Citizen Notifier Name: Notifier Phone:
Caller Name: LYNNE ODELL HOLZER Caller Agency: CITIZEN Caller Phone: (315) 622-9241
DEC Investigator: ROMOCKI Contact for more spill info: Contact Person Phone:

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|---|---|---|---|---|
| 07/18/1990 | 07/18/1990 | UNKNOWN | UNKNOWN | NO |

| Material Spilled | Material Class | Quantity Spilled | Units | Quantity Recovered | Units | Resource(s) Affected |
|---|---|---|---|---|---|---|
| UNKNOWN PETROLEUM | PETROLEUM | 50.00 | GALLONS | 0.00 | GALLONS | SOIL |

Caller Remarks:

WATER COMING UP THROUGH MANHOLE GRATE ONTO STRET INTO STORM DRAIN. SYRACUSE FD RESPONDED.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MR"
07/30/90: VALVE MALFUNCTION CAUSED RELEASE OF HOT WATER FROM STEAM SYSTEM. WATER ENTERED STORM SEWER.

09/28/95: This is additional information about material spilled from the translation of the old spill file: WATER WITH SHEEN.

**Map Identification Number 33** **STEAM HEAT SYR. UNIVERS.** **Spill Number: 8801654** **Close Date: 02/09/1995**
TALOR & MCBRIDE ST SYRACUSE, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 322 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: E TAYLOR ST / S MC BRIDE ST
Revised zip code: 13202

Source of Spill: UNKNOWN Spiller: SYRACUSE UNIVERSITY Spiller Phone:
Notifier Type: Affected Persons Notifier Name: Notifier Phone:
Caller Name: MIKE RILEY Caller Agency: S.U. ATTORNEY Caller Phone: (315) 423-4721
DEC Investigator: HDWARNER Contact for more spill info: Contact Person Phone:

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|---|---|---|---|---|
| 05/23/1988 | 02/09/1995 | UNKNOWN | NO | NO |

| Material Spilled | Material Class | Quantity Spilled | Units | Quantity Recovered | Units | Resource(s) Affected |
|---|---|---|---|---|---|---|
| #2 FUEL OIL | PETROLEUM | 0 | UNKNOWN | 0 | UNKNOWN | GROUNDWATER |

Caller Remarks:

BARRY KOUGOT 422-0121. DRILLING AND HIT OIL. 6" TO 18" OF FUEL OILON GROUND WATER. FOUND ABANDONED 15K TANK ;FULL OF WATER AND FUEL OIL.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "HW"
01/19/89: DEC MONITORING THE CLEANUP EFFORTS.

04/12/91: NEW FUEL STORAGE TANKS WERE INSTALLED BY SU DURING SUMMER OF 90. LARGE QUANTITY OF CONTAMINATED SOIL REMOVED. STAN TALLET OF STEAM STATION CURRENTLY MONITORING.

06/19/91: MET STAN TALLET AT SITE CHECKED WELL ADJACENT TO RECOVERY SYSTEM FORPRODUCT. LAYER OF FUEL STILL PRESENT IN WELL. SU TO EXCAVATE AROUND WELL SOMTIME IN JULY.

02/07/92: MEETING AT STEAM STATION SU WILL DO SOIL BORINGS BEFORE EXCAVATING SOIL. WORK SCHEDULED FOR 02/06/92.
CRAIG BUTLER OF ES HANDLING PROJECT.

06/27/92: SOIL EXCAVATED AREA OF APPROX 15' BY 20' REMOVED GARY DYER HAULED CONTAMINATED SOIL. ES ON SITE TO OVER SEE EXCAVATION, WILL SEND CLOSURE REPORT.

**Map Identification Number 34** **PROJECT ORANGE CO-GEN** **Spill Number: 0001904** **Close Date: 06/03/2002**
520 EAST TAYLOR STREET SYRACUSE, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 322 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: 520 E TAYLOR ST
Revised zip code: 13202

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Affected Persons
Caller Name: MARK JOHNSON
DEC Investigator: CXROSSI

Spiller: JAMES MCCUMBER - SYRACUSE UNIVERSITY
Notifier Name: MARK JOHNSON
Caller Agency: GE CONTRACTUAL SERVICES
Contact for more spill info: CALLER

Spiller Phone: (315) 443-4982
Notifier Phone: (516) 931-0820
Caller Phone: (315) 474-8230
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|---|---|---|---|---|
| 05/15/2000 | | UNKNOWN | NO | NO |

| Material Spilled | Material Class | Quantity Spilled | Units | Quantity Recovered | Units | Resource(s) Affected |
|---|---|---|---|---|---|---|
| #2 FUEL OIL | PETROLEUM | 0 | GALLONS | 0 | GALLONS | SOIL |

Caller Remarks:

caller states his company has found fuel oil on thier property.

caller would like a call to give specific location of spill

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "CTR"

**Map Identification Number 35** **V.A. HOSPITAL** **Spill Number: 8710887** **Close Date: 03/29/1988**
800 IRIVING AVENUE SYRACUSE, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (2)
Approximate distance from property: 1343 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: 800 IRVING AVE
Revised zip code: 13210

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Responsible Party
Caller Name: JOANNE ENNIS
DEC Investigator: HDWARNER

Spiller: V.A. HOSPITAL
Notifier Name:
Caller Agency: V.A. HOSPITAL
Contact for more spill info:

Spiller Phone: (315) 476-7461
Notifier Phone:
Caller Phone: (315) 476-7461
Contact Person Phone:

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|---|---|---|---|---|
| 03/29/1988 | 03/29/1988 | OTHER | UNKNOWN | NO |

| Material Spilled | Material Class | Quantity Spilled | Units | Quantity Recovered | Units | Resource(s) Affected |
|---|---|---|---|---|---|---|
| GASOLINE | PETROLEUM | 1.00 | GALLONS | 0.00 | GALLONS | AIR |
| GASOLINE OXIDE | OTHER | 0 | UNKNOWN | 0 | UNKNOWN | AIR |

Caller Remarks:

NORMAL OPERATION PROCEDURE THROUGH STERLIZING. NO INJURY.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "HW"
03/29/88: TUNRED OVER TO AIR QUALITY.

**Map Identification Number 36** **SUNY MED UNIVERSITY** **Spill Number: 0209530** **Close Date: 06/01/2003**
750 EAST ADAMS SYRACUSE, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (2)
Approximate distance from property: 1593 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: 750 E ADAMS ST
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN | Spiller: ROBERT ANDRUS - SUNY MED UNIVERSITY | Spiller Phone: (315) 464-5782
Notifier Type: Other | Notifier Name: CHRISTA CONSTRUCTION | Notifier Phone: (315) 464-9435
Caller Name: ROBERT ANDRUS | Caller Agency: SUNY MED UNIVERSITY | Caller Phone: (315) 464-5782
DEC Investigator: CFMANNES | Contact for more spill info: ROBERT ANDRUS | Contact Person Phone: (315) 464-5782

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|---|---|---|---|---|
| 12/16/2002 | | UNKNOWN | NO | NO |

| Material Spilled | Material Class | Quantity Spilled | Units | Quantity Recovered | Units | Resource(s) Affected |
|---|---|---|---|---|---|---|
| UNKNOWN PETROLEUM | PETROLEUM | 0 | GALLONS | 0 | GALLONS | SOIL |

Caller Remarks:

SPILL IS UNDER INVESTIGATION AT THIS TIME. ARRANGEMENTS FOR CLEANUP TO BE MADE.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "CM"

**Map Identification Number 37** **800 S SALINA** **Spill Number: 9409597** **Close Date: 10/18/1994**
800 SOUTH SALINA STREET SYRACUSE, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1629 feet to the W

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 13202

Source of Spill: COMMERCIAL/INDUSTRIAL | Spiller: RUDOLPH LAURO | Spiller Phone: (315) 622-0199
Notifier Type: Affected Persons | Notifier Name: | Notifier Phone:
Caller Name: LT ERICKSON | Caller Agency: DEC | Caller Phone: (518) 357-2035
DEC Investigator: MENASH | Contact for more spill info: | Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|---|---|---|---|---|
| 10/18/1994 | 10/18/1994 | UNKNOWN | UNKNOWN | NO |

NO MATERIAL INFORMATION GIVEN FOR THIS SPILL

Caller Remarks:

SPRAYED PAINT ON BLDG AND TREES

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MN"
09/28/95: This is additional information about material spilled from the translation of the old spill file: PAINT/UNK POWER

**Map Identification Number 38** **SYRACUSE COMMUNITY HEALTH** **Spill Number: 9914781** **Close Date: 10/20/2003**
819 SO SALINA ST SYRACUSE, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1632 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 13202

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Affected Persons
Caller Name: DON BRANSHAW
DEC Investigator: MENASH

Spiller: TIM DAVIS - AVALA CONTRACTORS
Notifier Name: LARRY WEBB
Caller Agency: SYRACUSE COMMUNITY HEALTH
Contact for more spill info: DON BRANSHAW

Spiller Phone: ( ) 736-5288
Notifier Phone: (315) 476-7921
Caller Phone: (315) 476-7921
Contact Person Phone: (315) 476-7921

Spill Class: POSSIBLE REL WITH MIN POTENTIAL FOR FIRE OR HAZARD (OR KNOWN RELEASE W/ NO DAMAGE);DEC RESP;WILLING RP;CORR ACTION TAKEN

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|---|---|---|---|---|
| 03/30/2000 | | OTHER | NO | NO |

| Material Spilled | Material Class | Quantity Spilled | Units | Quantity Recovered | Units | Resource(s) Affected |
|---|---|---|---|---|---|---|
| UNKNOWN MATERIAL | OTHER | 0 | GALLONS | 0 | GALLONS | SOIL |

Caller Remarks:

CALLER REPORTING THAT SPILLER AGENCY IS DOING ASBESTOS TESTING AT THEIR FACILITY AND THE CHEMICAL USED TO LOOSEN THE GLUE ON THE

TILES HAS LEAKED DOWN THRU THE FLOOR TO THE NEXT LEVEL. CALLER DID NOT KNOW NAME OF PRODUCT USED.

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DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MN"

**Map Identification Number 39** **PARKING GARAGE** **Spill Number: 9111803** **Close Date: 03/12/1992**
STATE ST & ADAMS ST SYRACUSE, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1770 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: S STATE ST / E ADAMS ST
Revised zip code: 13202

Source of Spill: COMMERCIAL/INDUSTRIAL Spiller: UNK Spiller Phone:
Notifier Type: Other Notifier Name: Notifier Phone:
Caller Name: JIM DOWNING Caller Agency: HUBERT, HUNT & NICHOLS Caller Phone: (315) 426-8841
DEC Investigator: ROMOCKI Contact for more spill info: Contact Person Phone:

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| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|---|---|---|---|---|
| 02/17/1992 | 02/17/1992 | OTHER | UNKNOWN | NO |

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| Material Spilled | Material Class | Quantity Spilled | Units | Quantity Recovered | Units | Resource(s) Affected |
|---|---|---|---|---|---|---|
| GASOLINE | PETROLEUM | 200.00 | GALLONS | 200.00 | GALLONS | SOIL |

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Caller Remarks:

ABANDONED UG TANK FOUND WHILE EXCAVATING.

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DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MR"
03/12/92: FREE PRODUCT(GASOLINE) DISCOVERED IN OLD DRYWELL. DRYWELL EXCAVATED AFTER BEING PUMPED OUT. RESIDUAL AMOUNT OF CONTAMINATED SOIL REMAINS; TO BE UNDER PARKING GARAGE FLOOR.

**Map Identification Number 40** **UNIVERSITY PARKING GARAGE** **Spill Number: 0310716** **Close Date: 12/30/2003**
709 E ADAMS STREET SYRACUSE, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1810 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 13210

Source of Spill: PASSENGER VEHICLE
Notifier Type: Fire Department
Caller Name: TIM SHETLER
DEC Investigator: BFMATTHE

Spiller:
Notifier Name: LT TOM ERWIN
Caller Agency: SYRCUSE FIRE
Contact for more spill info:

Spiller Phone:
Notifier Phone: (315) 374-7705
Caller Phone: (315) 435-8884
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|---|---|---|---|---|
| 12/17/2003 | | UNKNOWN | YES | NO |

| Material Spilled | Material Class | Quantity Spilled | Units | Quantity Recovered | Units | Resource(s) Affected |
|---|---|---|---|---|---|---|
| GASOLINE | PETROLEUM | 0 | GALLONS | 0 | GALLONS | SOIL |

Caller Remarks:

Upstate Medi Ctr Parking garage-poss veh fire unsure-

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "BM"
12/17/03: SPOKE TO LT TOM ERWIN. STORM RUNOFF IS COLLECTED IN TWO SUMPS FROM THE PARKING STRUCTURE AND DISCHARGED INTO A SANITARY SEWER. THIS CALL WAS TO NOTIFY US THAT PETROLEUM PRODUCTS DO COLLEST IN THE SUMPS AND DISCHARGE. REFERRED TO WATER.

**Map Identification Number 41** **COYNE TEXTILE SERVICES** **Spill Number: 0301230** **Close Date: 05/05/2003**
140 CORTLAND AVE SYRACUSE, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1829 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 13202

Source of Spill: COMMERCIAL/INDUSTRIAL | Spiller: DJ SMITH - COYNE TEXTILE SERVICES | Spiller Phone: (315) 427-5129
Notifier Type: Responsible Party | Notifier Name: DJ SMITH | Notifier Phone: (315) 475-1626
Caller Name: DJ SMITH | Caller Agency: COYNE TEXTILE SERVICES | Caller Phone: (315) 475-1626
DEC Investigator: MENASH | Contact for more spill info: DJ SMITH | Contact Person Phone: (315) 427-5129

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;NO CORRECTIVE ACTION REQUIRED

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|---|---|---|---|---|
| 05/04/2003 | | OTHER | NO | NO |

| Material Spilled | Material Class | Quantity Spilled | Units | Quantity Recovered | Units | Resource(s) Affected |
|---|---|---|---|---|---|---|
| UNKNOWN MATERIAL | OTHER | 1200 | GALLONS | 0 | GALLONS | SEWER |

Caller Remarks:

spontainious heating caused a fire in the facility - the fire dept responded - oils inks & blanket wash & water put on the fire
by fd were washed down the storm sewer

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MN"
SPILL TURNED OVER TO WATER DEPT.

**Map Identification Number 42** **Spill Number: 9510220** **Close Date: 01/01/1996**

700 S SALINA ST SYRACUSE, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1930 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 13202

Source of Spill: UNKNOWN | Spiller: | Spiller Phone:
Notifier Type: Fire Department | Notifier Name: | Notifier Phone:
Caller Name: DISPATCHER LONG | Caller Agency: SYRACUSE FIRE | Caller Phone: ( ) 435-8884
DEC Investigator: CFMANNES | Contact for more spill info: | Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|---|---|---|---|---|
| 11/15/1995 | | UNKNOWN | NO | NO |

| Material Spilled | Material Class | Quantity Spilled | Units | Quantity Recovered | Units | Resource(s) Affected |
|---|---|---|---|---|---|---|
| GASOLINE | PETROLEUM | 0 | GALLONS | 0 | GALLONS | SEWER |

Caller Remarks:

STRONG GASOLINE ODOR COMING FROM SEWER

FIRE DEPT ON SCENE

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "CM"

**Map Identification Number 43** **DESIMONES GAS STATION** **Spill Number: 0211565** **Close Date: 07/21/2003**
680 S SALINA ST SYRACUSE, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2000 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 13202

Source of Spill: GASOLINE STATION Spiller: ERNIE DESIMONE - DESIMONES GAS STATION Spiller Phone:
Notifier Type: Other Notifier Name: Notifier Phone:
Caller Name: MIKE LESAKOWSKI Caller Agency: LCS INC Caller Phone: (585) 546-6250
DEC Investigator: CFMANNES Contact for more spill info: ERNIE DESIMONE Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|---|---|---|---|---|
| 02/21/2003 | | UNKNOWN | NO | NO |

| Material Spilled | Material Class | Quantity Spilled | Units | Quantity Recovered | Units | Resource(s) Affected |
|---|---|---|---|---|---|---|
| GASOLINE | PETROLEUM | 0 | GALLONS | 0 | GALLONS | SOIL |

| | | | | | | |
|---|---|---|---|---|---|---|
| MTBE (METHYL-TERT-BUTYL ETHER) | HAZARDOUS MATERIAL | 0 | UNKNOWN | 0 | UNKNOWN | |
| BTEX | OXYGENATES | 0 | UNKNOWN | 0 | UNKNOWN | SOIL |

Caller Remarks:

possilby former leaking tanks or surface spills - got lab results back today indicating gasoline contamination

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "CM"

**Map Identification Number 44** **ADAMS STREET-CONVENTION G** **Spill Number: 9110143** **Close Date: 01/02/1992**
CONVENTION C. ADAMS ST SYRACUSE, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (2)
Approximate distance from property: 2059 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: CONVENTION C. ADAMS ST.
Revised zip code: 13202

Source of Spill: UNKNOWN Spiller: UNKNOWN Spiller Phone:
Notifier Type: Local Agency Notifier Name: Notifier Phone:
Caller Name: ANDY PETERSON Caller Agency: ONON. CO. FACILITIES MNGT Caller Phone: (315) 435-2630
DEC Investigator: ROMOCKI Contact for more spill info: Contact Person Phone:

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|---|---|---|---|---|
| 12/23/1991 | 01/02/1992 | UNKNOWN | UNKNOWN | NO |

| Material Spilled | Material Class | Quantity Spilled | Units | Quantity Recovered | Units | Resource(s) Affected |
|---|---|---|---|---|---|---|
| UNKNOWN PETROLEUM | PETROLEUM | 5.00 | GALLONS | 5.00 | GALLONS | SOIL |

Caller Remarks:

CONTAMINATED SOIL FOUND AT ONON. CO CONVENTION CENTER PARKING GARAGE SITE DURING EXCAVATION FOR FOUNDATION. CON. SOIL BEING STAGED ON SITE FOR DISPOSAL TO PROPER FACILITY.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MR"
01/02/91: EXCAVATION OF CONTAMINATED AREA FINISHED. SOIL PLACED ON PLASTIC AND COVERED.

12/26/91: EPS HIRED TO DISPOSE OF SOIL FOR COUNTY.

09/28/95: This is additional information about material spilled from the translation of the old spill file: CONTAMINATED SOIL.

**Map Identification Number 45** **PYSICIANS OFFICE BUILDING** **Spill Number: 0108645** **Close Date: 01/22/2004**
725 IRVING AVENUE SYRACUSE, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2089 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 13210

Source of Spill: UNKNOWN Spiller: UNKNOWN Spiller Phone:
Notifier Type: Fire Department Notifier Name: MARYBETH MILLER Notifier Phone: (315) 435-8884
Caller Name: MARYBETH MILLER Caller Agency: SYRACUSE FIRE DEPARTMENT Caller Phone: (315) 435-8884
DEC Investigator: CFMANNES Contact for more spill info: MARYBETH MILLER Contact Person Phone: (315) 435-8884

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;UNKNOWN RP;CORRECTIVE ACTION TAKEN

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|---|---|---|---|---|
| 11/28/2001 | 11/29/2001 | UNKNOWN | NO | NO |

| Material Spilled | Material Class | Quantity Spilled | Units | Quantity Recovered | Units | Resource(s) Affected |
|---|---|---|---|---|---|---|
| HYDRAULIC OIL | OTHER | 35.00 | GALLONS | 0.00 | GALLONS | SOIL |

Caller Remarks:

UNKNOWN HOW THE SPILL ORIGINATED

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "CM"
THERE WERE TWO SPILL NUMBERS AND PIN NUMBERS ASIGNED TO THIS SPILL. nO MONEY WAS SPENT ON THIS SPILL AND PIN NUMBER. pLEASE REFER TO SPILL NO. 0160047 FOR PIN MONIES USED.

**Map Identification Number 46** **Spill Number: 8504506** **Close Date: 01/12/1989**

E ADAMS ST BETWEEN ELIZ BLACKWELL & IRVING SYR., NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2132 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: E ADAMS ST / BETW IRVING AV / ELIZ BLKWLL ST
Revised zip code: 13210

Source of Spill: UNKNOWN
Notifier Type: Other
Caller Name:
DEC Investigator: UNASSIGNED

Spiller: UNK
Notifier Name:
Caller Agency:
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone:
Contact Person Phone:

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|---|---|---|---|---|
| 03/14/1986 | 01/12/1989 | UNKNOWN | UNKNOWN | NO |

| Material Spilled | Material Class | Quantity Spilled | Units | Quantity Recovered | Units | Resource(s) Affected |
|---|---|---|---|---|---|---|
| UNKNOWN MATERIAL | OTHER | 0 | UNKNOWN | 0 | UNKNOWN | SOIL |

Caller Remarks: NO REMARKS GIVEN FOR THIS SPILL

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was " "
2004/02/19 - Both Spill_Time and RCVD_Time were previously blank and replaced with "00:00" to fix a data translation problem...
Bob Corcoran

**Map Identification Number 47** **SYRACUSE UNIVERSITY** **Spill Number: 0604488** **Close Date: 06/26/2007**

201-205 UNIVERSITY PLACE SYRACUSE, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2217 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 13210

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Other
Caller Name:
DEC Investigator: MJROMOCK

Spiller: JAMES - SYRACUSE UNIVERSITY
Notifier Name:
Caller Agency:
Contact for more spill info: JAMES

Spiller Phone: (315) 443-4132
Notifier Phone:
Caller Phone:
Contact Person Phone: (315) 443-4132

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|---|---|---|---|---|
| 07/21/2006 | | OTHER | NO | NO |

| Material Spilled | Material Class | Quantity Spilled | Units | Quantity Recovered | Units | Resource(s) Affected |
|---|---|---|---|---|---|---|
| GASOLINE | PETROLEUM | 0 | GALLONS | 0 | GALLONS | SOIL |

Caller Remarks:

WHILE DIGGING THEY HIT AN OLD TANK AND BELIEVE IT TO BE GAS: -

DEC Investigator Remarks:

7/21/06 - Called Jim McCumber of S.U. Op-tech is on site. Gas to be removed tank prior to tank removal. Soil samples to be collected from tank excavation. Tank closure procedure will be followed.

7/27/06 - Visited site. Tank has been drained, cleaned & removed. 900 gallons of old fuel oil was drained from the tank. Contaminated soil has been excavated from the area surrounding the tank. Soil samples to be collected from the walls and bottom of the tank excavation. Syracuse University will forward a closure report.

10/23/06 - Rec'd closure report 10/11/06.

**Map Identification Number 48** **TU3** **Spill Number: 9912809** **Close Date: 08/05/2002**

713 HARRISON ST SYRACUSE, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2220 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 13210

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Affected Persons
Caller Name: DON VANDUSEN
DEC Investigator: CFMANNES

Spiller: UNKNOWN
Notifier Name: DON VANDUSEN
Caller Agency: SUNY HEALTH SCIENCE
Contact for more spill info: DON VANDUSEN

Spiller Phone:
Notifier Phone: (315) 464-4351
Caller Phone: (315) 464-4351
Contact Person Phone: (315) 464-4351

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|---|---|---|---|---|
| 01/28/2000 | | UNKNOWN | NO | NO |

| Material Spilled | Material Class | Quantity Spilled | Units | Quantity Recovered | Units | Resource(s) Affected |
|---|---|---|---|---|---|---|
| #2 FUEL OIL | PETROLEUM | 0 | GALLONS | 0 | GALLONS | SOIL |

Caller Remarks:

FOUND OIL IN THE SUMP HOLE IN THE BASEMENT OF THE BUILDING. SAFETY KLEEN ON SCENE, PUMPING OUT THE HOLE.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "CM"

**Map Identification Number 49** **SUNY UPSTATE PARKING GARAGE** ALMOND ST/HARRISON ST SYRACUSE, NY 13202 **Spill Number: 0704454** **Close Date: 12/10/2007**

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2225 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: ALMOND ST / HARRISON ST
Revised zip code: 13210

Source of Spill: NON-MAJOR FACILITY (>1100 GAL) Spiller: GARY KITTELL - SUNY UPSTATE MEDICAL UNIVERSITY Spiller Phone: (315) 464-4230
Notifier Type: Other Notifier Name: Notifier Phone:
Caller Name: Caller Agency: Caller Phone:
DEC Investigator: kckemp Contact for more spill info: GENE HICKS Contact Person Phone: (315) 952-3719 ext. C

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|---|---|---|---|---|
| 07/19/2007 | 12/10/2007 | UNKNOWN | YES | NO |

| Material Spilled | Material Class | Quantity Spilled | Units | Quantity Recovered | Units | Resource(s) Affected |
|---|---|---|---|---|---|---|
| DIESEL | PETROLEUM | 0 | GALLONS | 0 | GALLONS | GROUNDWATER |

TANK TEST INFORMATION

| Tank Number | Tank Size | Tank Test Method | Leak Rate | Gross Leak or Failure |
|---|---|---|---|---|
| 1 | 2500 | Testing Not Required | 0.00 | FAIL |
| 2 | 2500 | Testing Not Required | 0.00 | FAIL |

Caller Remarks:

While removing two 2500gal UST's discovered groundwater contamination. There were no holes or deterioration of the tanks. Caller says the tanks looked good. Unknown where the contamination came from. Unknown if there will be an investigation..... will speak with Kevin Kemp about that.

DEC Investigator Remarks:

minor groundwater contamination observed while removing tanks 101, 102.

Orchard Earth and Pipe to use to remove water / product, and excavate contaminated soil, stage on poly, test, and dispose. Site visited on 7/19/07 and 7/20/07.

**Map Identification Number 50** **SOUTH STATE STREET** **Spill Number: 8709077** **Close Date: 01/13/1989**
1425 SOUTH STATE STREET SYRACUSE, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2227 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 13205

Source of Spill: PRIVATE DWELLING Spiller: UNKNOWN Spiller Phone:
Notifier Type: Fire Department Notifier Name: Notifier Phone:
Caller Name: Caller Agency: Caller Phone:
DEC Investigator: AJMARSCH Contact for more spill info: Contact Person Phone:

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|---|---|---|---|---|
| 01/23/1988 | 01/12/1989 | UNKNOWN | UNKNOWN | NO |

| Material Spilled | Material Class | Quantity Spilled | Units | Quantity Recovered | Units | Resource(s) Affected |
|---|---|---|---|---|---|---|
| UNKNOWN PETROLEUM | PETROLEUM | 30.00 | GALLONS | 0.00 | GALLONS | SOIL |

Caller Remarks:

30 GALLON BARREL UNMARKED BEHIND BUILDING. FIRE DEPT. OVERPACKED IN 55 GAL. BARREL.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "JM"
01/13/89: JVM AND TG OF DEC CHECKED THE DRUM. WATER ABOUT 1 GALLON WAS FOUND. DRUM IS NOT LEAKING AND IS NOT A THREAT TO THE ENVIRONMENT.

09/28/95: This is additional information about material spilled from the translation of the old spill file: TYPE OF OIL.

**Map Identification Number 51** **CASTLE REST NURSING HOME** **Spill Number: 9711111** **Close Date: 01/06/1998**
116 EAST CASTLE ST SYRACUSE, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2237 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 13205

Source of Spill: TANK TRUCK
Notifier Type: Other
Caller Name: KEVIN KUTZSCHER
DEC Investigator: CFMANNES

Spiller: UNKNOWN
Notifier Name: RAYMOND SPORE
Caller Agency: CARMEN TRUCKING
Contact for more spill info: KEVIN KUTZSCHER

Spiller Phone:
Notifier Phone: (518) 482-4494
Caller Phone: (518) 482-4494
Contact Person Phone: (518) 469-0996

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|---|---|---|---|---|
| 01/05/1998 | | OTHER | NO | NO |

| Material Spilled | Material Class | Quantity Spilled | Units | Quantity Recovered | Units | Resource(s) Affected |
|---|---|---|---|---|---|---|
| #4 FUEL OIL | PETROLEUM | 30.00 | GALLONS | 0.00 | GALLONS | |

Caller Remarks:

CALLER STATES THAT THE NURSING HOME OVER ORDERED FUEL AND THAT THERE IS NO WAY TO GAUGE THE TANK TO MEASURE THE AMOUNT OF FUEL IN IT

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "CM"
01/05/98 ON SITE: GRIFFEN INDUSDTRIAL SERVICES ON SITE FOR CLEAN UP, OVER FILL LOSS THROUGH VENT PIPE, STAIN ON BRICKWALL AND GRASSY AREA DOWN BELOW, DEBRIS AND SOIL DRUMMED UP AND DISPOSED.

**Map Identification Number 52** **MADISON TOWERS** **Spill Number: 9305228** **Close Date: 02/09/1995**
TOWNSEND ST SYRACUSE, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (2)
Approximate distance from property: 2268 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 13202

| | | | | | |
|---|---|---|---|---|---|
| Source of Spill: | UNKNOWN | Spiller: | PRESIDENTIAL PLAZA | Spiller Phone: | |
| Notifier Type: | Other | Notifier Name: | | Notifier Phone: | |
| Caller Name: | DOUG ZEMELIS | Caller Agency: | HANCOCK & ESTABROOK | Caller Phone: | |
| DEC Investigator: | HDWARNER | Contact for more spill info: | | Contact Person Phone: | |

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|---|---|---|---|---|
| 07/22/1993 | 02/09/1995 | UNKNOWN | UNKNOWN | NO |

| Material Spilled | Material Class | Quantity Spilled | Units | Quantity Recovered | Units | Resource(s) Affected |
|---|---|---|---|---|---|---|
| #2 FUEL OIL | PETROLEUM | 0 | UNKNOWN | 0 | UNKNOWN | SOIL |

Caller Remarks:

CONTRACTOR DIGGING HOLES FOR FENCE AROUND DUMPSTER AND DISCOVERED FUEL OIL CONTAMINATED SOIL.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "HW"
09/07/93: SPILLER SOLICITATING BIDS FOR TANK DECOMMISSION AND GW INVESTIGATION.

**Map Identification Number 53** **PARKING LOT** **Spill Number: 9606529** **Close Date: 08/06/2002**
STATE & HARRISON STREETS SYRACUSE, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2278 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: S STATE ST / HARRISON ST
Revised zip code: 13202

Source of Spill: UNKNOWN
Notifier Type: Affected Persons
Caller Name: JOHN MURPHY
DEC Investigator: CFMANNES

Spiller: UNKNOWN
Notifier Name: JOHN MURPHY
Caller Agency: OWNER
Contact for more spill info:

Spiller Phone:
Notifier Phone: (315) 476-9646
Caller Phone: (315) 452-2000 ext. 4
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|---|---|---|---|---|
| 08/21/1996 | | UNKNOWN | NO | NO |

| Material Spilled | Material Class | Quantity Spilled | Units | Quantity Recovered | Units | Resource(s) Affected |
|---|---|---|---|---|---|---|
| UNKNOWN PETROLEUM | PETROLEUM | 0 | GALLONS | 0 | GALLONS | SOIL |

Caller Remarks:

PHASE II investigation shows contamination - property was aquired last month from the city of syracuse - 30 years ago there was a gas station on site

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "CM"
NO REPORT SUBMITTED, CONTAMINATION MAY EXIST

**Map Identification Number 54** **HARRISON ST** **Spill Number: 0106140** **Close Date: 10/31/2003**
HARRISON & STATE ST SYRACUSE, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2278 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: HARRISON / STATE ST
Revised zip code: 13202

Source of Spill: UNKNOWN | Spiller: UNKNOWN | Spiller Phone:
Notifier Type: Responsible Party | Notifier Name: | Notifier Phone:
Caller Name: JOHN MURPHY | Caller Agency: MOLLY INC | Caller Phone: (315) 452-2003
DEC Investigator: CFMANNES | Contact for more spill info: CALLER | Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|---|---|---|---|---|
| 09/08/2001 | | UNKNOWN | NO | NO |

| Material Spilled | Material Class | Quantity Spilled | Units | Quantity Recovered | Units | Resource(s) Affected |
|---|---|---|---|---|---|---|
| UNKNOWN PETROLEUM | PETROLEUM | 0 | GALLONS | 0 | GALLONS | SOIL |

Caller Remarks:

CALLER HAD SITE WORK DONE AND CONTAMINATION FOUND.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "CM"
parking lot constructed at the site

**Map Identification Number 55** **ATLAS HEALTH CARE LINEN** **Spill Number: 0008036** **Close Date: 06/03/2002**
320 WEST TAYLOR ST SYRACUSE, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2416 feet to the W

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 13202

Source of Spill: UNKNOWN | Spiller: UNKNOWN | Spiller Phone:
Notifier Type: Affected Persons | Notifier Name: SAME | Notifier Phone:
Caller Name: BILL MATICE | Caller Agency: ATLAS HEALTH CARE LINEN | Caller Phone: (315) 475-9945
DEC Investigator: MENASH | Contact for more spill info: BILL MATICE | Contact Person Phone: (315) 475-9945

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;NO CORRECTIVE ACTION REQUIRED

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|---|---|---|---|---|
| 10/09/2000 | | OTHER | NO | NO |

| Material Spilled | Material Class | Quantity Spilled | Units | Quantity Recovered | Units | Resource(s) Affected |
|---|---|---|---|---|---|---|
| UNKNOWN MATERIAL | OTHER | 0 | GALLONS | 0 | GALLONS | SOIL |

Caller Remarks:

DURING EXCAVATION FOR INSTALLATION OF A DRAIN LINE 2 ABANDONED

TANKS HAVE BEEN DISCOVERED. TANKS APPEAR TO BE EMPTY BUT SOIL

CONTAMINATION HAS BEEN DISCOVERED. CALLER WILL CONTACT REGIONAL

OFFICE 10/10/00.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MN"

**Map Identification Number 56** **HARRISON CONVENTION CTR** **Spill Number: 9010462** **Close Date: 03/12/1991**
HARRISON & MONTGOMERY SYRACUSE, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2448 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: HARRISON ST / MONTGOMERY ST
Revised zip code: 13202

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Other
Caller Name: RICK DE JEAN
DEC Investigator: ROMOCKI
Spiller: ONONDAGA COUNTY
Notifier Name:
Caller Agency: HAYNER HOYT
Contact for more spill info:
Spiller Phone:
Notifier Phone:
Caller Phone: (315) 473-3297
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|---|---|---|---|---|
| 12/28/1990 | 03/12/1991 | OTHER | UNKNOWN | NO |

| Material Spilled | Material Class | Quantity Spilled | Units | Quantity Recovered | Units | Resource(s) Affected |
|---|---|---|---|---|---|---|
| UNKNOWN PETROLEUM | PETROLEUM | 25.00 | GALLONS | 15.00 | GALLONS | SOIL |

Caller Remarks:

MANAGER OF CONVENTION CENTER PROJECT CALLED IN ABANDONED TANK.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MR"
04/19/91: 9 TANKS FOUND ON THE SITE DURING CONSTRUCTION EXCAVATION.CONTAMINATD SOIL STAGED IN ROLLOFFS ONSITE UNTIL DISPOSAL WAS ARRANGED. REPORT BEING PREPARED BY HUBERT,HUNT AND NICHOLS.

**Map Identification Number 57** **REGION TRANSIT AUTHORITY** **Spill Number: 9702247** **Close Date: 08/06/2002**
200 CORTLAND AVENUE SYRACUSE, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2563 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: 200 CORTLAND AVE
Revised zip code: 13202

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Responsible Party
Caller Name: BRENT FITTERON
DEC Investigator: CFMANNES
Spiller: ABOVE - REGION TRANSIT AUTHORITY
Notifier Name: BRENT FITTERON
Caller Agency: TYREE CORP
Contact for more spill info: ABOVE
Spiller Phone:
Notifier Phone: (203) 740-8200
Caller Phone: (203) 740-8200
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|---|---|---|---|---|
| 05/21/1997 | | OTHER | NO | NO |

| Material Spilled | Material Class | Quantity Spilled | Units | Quantity Recovered | Units | Resource(s) Affected |
|---|---|---|---|---|---|---|
| DIESEL | PETROLEUM | 20.00 | GALLONS | 20.00 | GALLONS | |

Caller Remarks:

REMOVING 5 TANKS SPILL FROM 4TH TANK 20 GALS SPILL TO GROUND AND MINIMAL TO GROUNDWATER ON SITE SPILL CONTAINED AND CLEANED

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "CM"

**Map Identification Number 58** **BULLOCKS USED CARS** **Spill Number: 8800286** **Close Date: 05/02/1988**
1440 S. SALINA ST SYRACUSE, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2570 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 13205

Source of Spill: COMMERCIAL/INDUSTRIAL Spiller: DANIEL BULLOCK Spiller Phone: ( ) 451-2362
Notifier Type: Police Department Notifier Name: Notifier Phone:
Caller Name: OFFICER GREEN Caller Agency: SYR. P.D. Caller Phone: ( ) 425-6640
DEC Investigator: AJMARSCH Contact for more spill info: Contact Person Phone:

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|---|---|---|---|---|
| 04/03/1988 | 05/02/1988 | UNKNOWN | UNKNOWN | NO |

| Material Spilled | Material Class | Quantity Spilled | Units | Quantity Recovered | Units | Resource(s) Affected |
|---|---|---|---|---|---|---|
| UNKNOWN PETROLEUM | PETROLEUM | 0 | UNKNOWN | 0 | UNKNOWN | SOIL |

Caller Remarks:

DUMPING OIL NEAR NORTH SIDE OF BLDG. WARNED BY LT. ROWAN. SEND LT. ROWAN 511 S. SALINA ST. SYR 13202 CODE ENFORCEMENT

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "JM"
04/12/88: CITY POLICE AND CODE ENFORCEMENT OFFICER WARNED MR. BUULOCK. THIS INSPECTOR DID NOT STOP IN BECAUSE THIS AREA OF CITY REQUIRES ARMED ESCORT.

**Map Identification Number 59** **ATLAS LAUNDRY / WOLFF & DUNGEY** **Spill Number: 0514813** **Close Date: 03/28/2006**
325 TEMPLE ST SYRACUSE, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2582 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 13202

Source of Spill: COMMERCIAL/INDUSTRIAL
Spiller: ACN COMPANIES LLC
JACK BIRCHMEYER - WOLFF & DUNGEY
Spiller Phone:
Notifier Type: Fire Department
Notifier Name: CHIEF DUFFY
Notifier Phone: (315) 435-8884
Caller Name: DUCETT, KEITH
Caller Agency: ONONDAGA COUNTY 911
Caller Phone: (315) 435-8884
DEC Investigator: KCKemp
Contact for more spill info: CHIEF DUFFY
Contact Person Phone: (315) 263-2711 ext. C

Spill Class: POSSIBLE RELEASE WITH MIN POTENTIAL FOR FIRE OR HAZARD (OR KNOWN REL W/ NO DAMAGE);NO DEC RESP;NO CORR ACTION REQUIRED

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|---|---|---|---|---|
| 03/27/2006 | 03/28/2006 | OTHER | NO | NO |

| Material Spilled | Material Class | Quantity Spilled | Units | Quantity Recovered | Units | Resource(s) Affected |
|---|---|---|---|---|---|---|
| UNKNOWN MATERIAL | OTHER | 0 | GALLONS | 0 | GALLONS | SEWER |
| OTHER | OTHER | 0 | GALLONS | 0 | GALLONS | SEWER |

Caller Remarks:

WATER LEAK IN A BUILDING USED FOR METAL FABRICATION (ALUMINUM CASTINGS) CAUSED RUN OFF IN TO THE SEWERS.

DEC Investigator Remarks:

Syracuse FD responded to water problem at 323 Temple st., and observed water blowing off roof into sanitary sewer drainage connections in alley between 323 and 321. drains were plugged, and water accumulated in 321 (Wolff & Dungey). Water draining from building reportedly contained suspended aluminum grindings dust and mold sand as flowed into sewer. Onondaga Co D&S notified.

**Map Identification Number 60** **224 HARRISON ST** **Spill Number: 9812461** **Close Date: 02/29/2000**
224 HARRISON ST SYRACUSE, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2590 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 13202

Source of Spill: UNKNOWN
Spiller: LUMBERMANS INSURANCE CO - 224 HARRISON ST
Spiller Phone: (315) 474-1722
Notifier Type: Responsible Party
Notifier Name:
Notifier Phone:
Caller Name: MARK HANSEN
Caller Agency: GRIFFIN INDUSTRIAL SERV.
Caller Phone: (315) 463-6945
DEC Investigator: RJBRAZEL
Contact for more spill info: CALLER
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|---|---|---|---|---|
| 01/08/1999 | | UNKNOWN | NO | NO |

| Material Spilled | Material Class | Quantity Spilled | Units | Quantity Recovered | Units | Resource(s) Affected |
|---|---|---|---|---|---|---|
| #6 FUEL OIL | PETROLEUM | 0 | GALLONS | 0 | GALLONS | SOIL |

Caller Remarks:

caller doing site work found contaminated soil.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "RB"

***CLOSED STATUS HAZARDOUS SPILLS - MISC. SPILL CAUSES - EQUIPMENT FAILURE, HUMAN ERROR, TANK OVERFILL, DELIBERATE SPILL, TRAFFIC ACCIDENT, HOUSEKEEPING, ABANDONED DRUM, AND VANDALISM - IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS.***
**All spills mapped and profiled within 1/4 mile. Between 1/4 mile and 1/2 mile search radius, spills reported to be greater than 100 units and spills reported in the NYSDEC Fall 1998 MTBE Survey are mapped and profiled. Spills reported to be less than 100 units are listed in a table at the end of this section.**

Please Note: * - Compass directions can vary substantially for sites located very close to the subject property address.

**Map Identification Number 61** **520 E.TAYLOR ST.** **Spill Number: 9211857** **Close Date: 03/02/1993**
520 EAST TAYLOR STREET SYRACUSE, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 322 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: 520 E.TAYLOR ST.
Revised zip code: 13202

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Responsible Party
Caller Name: TRACY JONES
DEC Investigator: ROMOCKI

Spiller: STEWART AND STEVENSON OP.
Notifier Name:
Caller Agency: STEWART & STEVENSON OPERT
Contact for more spill info:

Spiller Phone: (315) 474-8230
Notifier Phone:
Caller Phone: (315) 474-8230
Contact Person Phone:

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|---|---|---|---|---|
| 01/16/1993 | 03/02/1993 | EQUIPMENT FAILURE | UNKNOWN | NO |

| Material Spilled | Material Class | Quantity Spilled | Units | Quantity Recovered | Units | Resource(s) Affected |
|---|---|---|---|---|---|---|
| NON PCB OIL | PETROLEUM | 35.00 | GALLONS | 1.00 | GALLONS | SOIL |

Caller Remarks:

TRNSFORMER EXPLODED. OIL IN UNIT VAPORIZED AND BURNED.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MR"

01/19/93: ALLWASH HIRED TO WIPE DOWN EQUIPMENT SURROUNDING TRANSFORMER.

**Map Identification Number 62** **SU STEAM STATION** **Spill Number: 9008107** **Close Date: 10/24/1990**
500 E TAYLOR ST SYRACUSE, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 322 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 13202

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Responsible Party
Caller Name: STAN PALLETT
DEC Investigator: DJLASALL

Spiller: SU STEAM STATION
Notifier Name:
Caller Agency: SYR UNIV STEAM STATION
Contact for more spill info:

Spiller Phone: (315) 443-4188
Notifier Phone:
Caller Phone: (315) 443-4188
Contact Person Phone:

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|---|---|---|---|---|
| 10/24/1990 | 10/24/1990 | EQUIPMENT FAILURE | UNKNOWN | NO |

| Material Spilled | Material Class | Quantity Spilled | Units | Quantity Recovered | Units | Resource(s) Affected |
|---|---|---|---|---|---|---|
| GASOLINE | PETROLEUM | 2.00 | GALLONS | 0.00 | GALLONS | SOIL |

Caller Remarks:

PLANT PERSONNEL USED PADS TO CLEAN UP AND DISPOSED OF SAME.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "DL"

**Map Identification Number 63** **SU STEAM STATION** **Spill Number: 8912216** **Close Date: 04/04/1990**
550 E TAYLOR ST SYRACUSE, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 322 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 13202

Source of Spill: COMMERCIAL/INDUSTRIAL | Spiller: INTERFACESVC | Spiller Phone: (315) 446-4553
Notifier Type: Responsible Party | Notifier Name: | Notifier Phone:
Caller Name: BARB LASKY | Caller Agency: SU STEAM STATION | Caller Phone: (315) 443-4188
DEC Investigator: ROMOCKI | Contact for more spill info: | Contact Person Phone:

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|---|---|---|---|---|
| 03/23/1990 | 03/27/1990 | HUMAN ERROR | UNKNOWN | NO |

| Material Spilled | Material Class | Quantity Spilled | Units | Quantity Recovered | Units | Resource(s) Affected |
|---|---|---|---|---|---|---|
| #2 FUEL OIL | PETROLEUM | 5.00 | GALLONS | 5.00 | GALLONS | SOIL |

Caller Remarks:

BACKHOE BROKE RETURN LINE OF A NEW 4-TANK INSTALLATION.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MR"
04/04/90: MOST OF THE OIL WAS CONTAINED IN SECONDARY CONTAINMENT PIPE. SOIL WHICH WAS CONTAMINATED WAS STAGED AND EVENTUALLY REMOVED FROM THE SITE.

**Map Identification Number 64** **SYRACUSE U STEAM STATION** **Spill Number: 8910992** **Close Date: 07/09/1990**
500 EAST TAYLOR STREET SYRACUSE, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 322 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: 500 E TAYLOR ST
Revised zip code: 13202

Source of Spill: COMMERCIAL/INDUSTRIAL | Spiller: SYRACUSE UNIV | Spiller Phone: (315) 443-4180
Notifier Type: Responsible Party | Notifier Name: | Notifier Phone:
Caller Name: BARB LASKEY | Caller Agency: SYRACUSE UNIV | Caller Phone: (315) 443-4188
DEC Investigator: HDWARNER | Contact for more spill info: | Contact Person Phone:

Spill Class: POSSIBLE REL WITH MIN POTENTIAL FOR FIRE OR HAZARD (OR KNOWN REL W/ NO DAMAGE);NO DEC RESP;WILLING RP;CORR ACTION TAKEN

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|---|---|---|---|---|
| 02/17/1990 | 02/19/1990 | EQUIPMENT FAILURE | UNKNOWN | NO |

| Material Spilled | Material Class | Quantity Spilled | Units | Quantity Recovered | Units | Resource(s) Affected |
|---|---|---|---|---|---|---|
| #2 FUEL OIL | PETROLEUM | 25.00 | GALLONS | 0.00 | GALLONS | SOIL |

Caller Remarks:

VENT LINE RUPTURED.STEAM PALNT PERSONNEL CLEAN UP.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "HW"
07/09/90: VENT LINE LEAKED ON NEWLY INSTALLED UNDERGROUND TANKS. INTERFACE CLEANED UP SMALL AMOUNT OF CONTAMINATED SOIL AND DISPOSED.

**Map Identification Number 65** **SYRACUSE UNIVERSITY CHILLED WATER PLANT** **Spill Number: 0407665** **Close Date: 10/13/2004**
500 EAST TAYLOR STREET SYRACUSE, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 322 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 13202

Source of Spill: UNKNOWN
Notifier Type: Responsible Party
Caller Name: JIM MCCUMBER
DEC Investigator: BFMATTHE

Spiller: JIM MCCUMBER - SYRACUSE UNIVERSITY
Notifier Name: STEVE RICHARDS
Caller Agency: SYRACUSE UNIVERSITY
Contact for more spill info: JIM MCCUMBER

Spiller Phone: (315) 443-4982
Notifier Phone: ( ) -
Caller Phone: (315) 443-4982
Contact Person Phone: (315) 443-4982

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|---|---|---|---|---|
| 10/11/2004 | | EQUIPMENT FAILURE | YES | NO |

| Material Spilled | Material Class | Quantity Spilled | Units | Quantity Recovered | Units | Resource(s) Affected |
|---|---|---|---|---|---|---|
| SODIUM HYPOCHLORITE | HAZARDOUS MATERIAL | 20.00 | GALLONS | 0.00 | GALLONS | SOIL |

Caller Remarks:

Punctured polydrum caused about 20 gallons of sodium hypoclorite (12%) to spill onto asphalt and stone driving area. Spill contained, also went onto adjacent p

DEC Investigator Remarks:

SPOKE TO JIM MCCUMBER THEY WOULD LIKE TO NEUTRALIZE AND CLEAN UP. SOME OF SPILL WENT ONTO STATE PROPERTY AND WANTED TO VERIFY IT WAS OK TO ENTER PROPERTY. SPOKE TO DICK BRAZELL AND HE AUTHORIZED. CLEANUP COMPLETE.

**Map Identification Number 66** **SYRACUSE UNIVERSITY STEAM** **Spill Number: 0004648** **Close Date: 10/11/2000**
MCBRIDE ST SYRACUSE, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 322 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: MC BRIDE ST
Revised zip code: UNKNOWN

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Responsible Party
Caller Name: JIM MCCUMBER
DEC Investigator: CFMANNES

Spiller: JIM MCCUMBER - SYRACUSE UNIVERSITY
Notifier Name:
Caller Agency: SYRACUSE UNIVERSITY
Contact for more spill info: JIM MCCUMBER

Spiller Phone: (315) 443-4132
Notifier Phone:
Caller Phone: (315) 443-4132
Contact Person Phone: (315) 443-4132

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|---|---|---|---|---|
| 07/18/2000 | | EQUIPMENT FAILURE | NO | NO |

| Material Spilled | Material Class | Quantity Spilled | Units | Quantity Recovered | Units | Resource(s) Affected |
|---|---|---|---|---|---|---|
| UNKNOWN PETROLEUM | PETROLEUM | 0 | GALLONS | 0 | GALLONS | SOIL |

Caller Remarks:

CALLER STATES THAT THE CITY IS DOING EXCAVATION AT LOCATION AND FOUND CONTAMINATED SOIL. CALLER BELIEVES THAT IT IS FOM A SPILL THAT OCCURRED BACK IN 1988 OR 1990

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "CM"

**Map Identification Number 67** **SALVATION ARMY** **Spill Number: 9711143** **Close Date: 08/06/2002**
1105 SOUTH STATE ST SYRACUSE, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 800 feet to the W

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 13202

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Other
Caller Name: KEVIN ROWE
DEC Investigator: CFMANNES

Spiller: CAPT MUHS - SALVATION ARMY
Notifier Name: KEVIN ROWE
Caller Agency: CERTIFIED ENVIR SVCS
Contact for more spill info: CAPT MUHS

Spiller Phone: (315) 475-9963
Notifier Phone: (315) 478-2374
Caller Phone: (315) 478-2374
Contact Person Phone: (315) 475-9963

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|---|---|---|---|---|
| 01/05/1998 | | EQUIPMENT FAILURE | NO | NO |

| Material Spilled | Material Class | Quantity Spilled | Units | Quantity Recovered | Units | Resource(s) Affected |
|---|---|---|---|---|---|---|
| GASOLINE | PETROLEUM | 0 | GALLONS | 0 | GALLONS | |

Caller Remarks:

SOIL CONTAMINATION DISCOVERED UNDER PUMP ISLAND DISPENSER. WILL BE

STOCKPILED FOR REMOVAL.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "CM"
LIMITED INFORMATION, CONTAMINATION MAY EXIST

**Map Identification Number 68** **Spill Number: 8601904** **Close Date: 08/11/1987**

1105 SOUTH STATE ST SYRACUSE, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 800 feet to the W

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 13202

Source of Spill: COMMERCIAL VEHICLE
Notifier Type: Fire Department
Caller Name:
DEC Investigator: UNASSIGNED

Spiller: UNKNOWN
Notifier Name:
Caller Agency:
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone:
Contact Person Phone:

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|---|---|---|---|---|
| 06/19/1986 | 08/11/1987 | HUMAN ERROR | UNKNOWN | NO |

| Material Spilled | Material Class | Quantity Spilled | Units | Quantity Recovered | Units | Resource(s) Affected |
|---|---|---|---|---|---|---|
| ETHYLENE GLYCOL | HAZARDOUS MATERIAL | 30.00 | GALLONS | 0.00 | GALLONS | SOIL |

Caller Remarks:

ON PAVEMENT-55 GAL. DRUM FELL OFF TRUCK-F.D. ON SCENE

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was " "
/ / : DEC INVEST. & TOLD F.D. TO USE SORBENT & SAND THE REST.

**Map Identification Number 69** **SYRACUSE UNIVERSITY** **Spill Number: 0203874** **Close Date: 07/23/2002**

401 VAN BUREN STREET SYRACUSE, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 952 feet to the ESE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 13210

Source of Spill: COMMERCIAL VEHICLE
Notifier Type: Affected Persons
Caller Name: ANDY ENIGK
DEC Investigator: CFMANNES

Spiller: UNKNOWN
Notifier Name: AVERY HOTLING
Caller Agency: SYRACUSE UNIVERSITY
Contact for more spill info: ANDY ENIGK

Spiller Phone:
Notifier Phone:
Caller Phone: (315) 443-4132
Contact Person Phone: (315) 443-4132

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|---|---|---|---|---|
| 07/12/2002 | | EQUIPMENT FAILURE | NO | NO |

| Material Spilled | Material Class | Quantity Spilled | Units | Quantity Recovered | Units | Resource(s) Affected |
|---|---|---|---|---|---|---|
| ETHYLENE GLYCOL | HAZARDOUS MATERIAL | 1.00 | GALLONS | 1.00 | GALLONS | SOIL |

Caller Remarks:

OCCURRED IN THE LOT OF THE BREWSTER / BOLAND / BROCKPORT DORMITORIES. EMPLOYEE FOUND SPILL OF ETHYLENE GLYCOL SOLUTION IN LOT THERE. THERE WAS NO VEHICLE AROUND, BUT THEY BELIEVE THAT A CONTRCTOR WAS THE SPILLER. SPILL WAS CLEANED UP.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "CM"

**Map Identification Number 70** **CROUSE IRVING HOSPITAL** **Spill Number: 9506382** **Close Date: 08/30/1996**
736 IRVING AVE SYRACUSE, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (2)
Approximate distance from property: 1767 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 13210

Source of Spill: COMMERCIAL/INDUSTRIAL Spiller: CROUSE IRVING HOSPITAL Spiller Phone:
Notifier Type: Citizen Notifier Name: Notifier Phone:
Caller Name: JEFF KINGSLY Caller Agency: CITIZEN Caller Phone: (315) 695-5875
DEC Investigator: MENASH Contact for more spill info: Contact Person Phone:

Spill Class: POSSIBLE REL WITH MIN POTENTIAL FOR FIRE OR HAZARD (OR KNOWN REL W/ NO DAMAGE);NO DEC RESP;WILLING RP;CORR ACTION TAKEN

| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|---|---|---|---|---|
| 08/23/1995 | | DELIBERATE | NO | NO |

NO MATERIAL INFORMATION GIVEN FOR THIS SPILL

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Caller Remarks:

TWO INCH PLASTIC HOSE RUNNING FROM INCINERATOR TO DRAIN. ONGOING.

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DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MN"
09/28/95: This is additional information about material spilled from the translation of the old spill file: CAUSTIC ACID

**Map Identification Number 71** **COYNE TEXTILE SERVICES** **Spill Number: 9909798** **Close Date: 11/30/1999**
140 CORTLAND ST SYRACUSE, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1829 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: 140 CORTLAND AVE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Responsible Party
Caller Name: D J SMITH
DEC Investigator: CFMANNES

Spiller: D J SMITH - COYNE TEXTILE SERVICES
Notifier Name:
Caller Agency: COYNE TEXTILE SERVICES
Contact for more spill info: D J SMITH

Spiller Phone: (315) 475-1626
Notifier Phone:
Caller Phone: (315) 475-1626
Contact Person Phone: (315) 475-1626

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

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| Spill Date | Date Cleanup Ceased | Cause of Spill | Meets Cleanup Standards | Penalty Recommended |
|---|---|---|---|---|
| 11/12/1999 | | EQUIPMENT FAILURE | NO | NO |

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| Material Spilled | Material Class | Quantity Spilled | Units | Quantity Recovered | Units | Resource(s) Affected |
|---|---|---|---|---|---|---|
| WASTEWATER | OTHER | 100.00 | GALLONS | 100.00 | GALLONS | SOIL |

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Caller Remarks:

2 CAUSES FAILED LEVEL CONTROL VALVE AND OVER FLOW PIPE BROKE - SPILL CLEANED UP

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DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "CM"

**THE FOLLOWING CLOSED SPILLS FOR THIS CATEGORY WERE REPORTED BETWEEN 1/4 MILE AND 1/2 MILE FROM THE SUBJECT ADDRESS. THESE SPILLS WERE REPORTED TO BE LESS THAN 100 UNITS IN QUANTITY AND CAUSED BY: EQUIPMENT FAILURE, HUMAN ERROR, TANK OVERFILL, DELIBERATE SPILL, TRAFFIC ACCIDENT, HOUSEKEEPING, ABANDONED DRUM, OR VANDALISM. THESE SPILLS ARE NEITHER MAPPED NOR PROFILED IN THIS REPORT.**

| | | | |
|---|---|---|---|
| 8710117 | V. A. HOSPITAL | 800 IRIVING AVENUE | SYRACUSE |
| 8710494 | V.A. HOSPITAL | 800 IRIVING AVENUE | SYRACUSE |
| 9500883 | V. A. HOSPITAL SYRACUSE | 800 IRIVING AVENUE | SYRACUSE |
| 0704348 | SYRACUSE VA MEDICAL CNT | 800 IRVING AVE | SYRACUSE |
| 9500515 | E. CASTLE/RENWICK AVE | E. CASTLE/RENWICK | SYRACUSE |
| 9211185 | 929 S.SALINA ST. | 929 S. SALINA ST | SYRACUSE |
| 0412947 | MONDOS SERVICE CENTER | 1127 SOUTH SALINA STREET | SYRACUSE |
| 0010928 | | 766 IRVING AVE | SYRACUSE |
| 9201660 | SUNY | 750 EAST ADAMS | SYRACUSE |
| 9011086 | CASTLE REST NURSE HOME | 401 E CASTLE ST | SYRACUSE |
| 9514084 | SUNY HEALTH/SCIENCE CTR | 155 ELIZABETH BLACKWELL | SYRACUSE |
| 0205588 | WEISKOTTEN HALL | 710 IRVING AVENUE | SYRACUSE |
| 9416863 | SYR CITY HEALTH CENTER | 800 SOUTH SALINA STREET | SYRACUSE |
| 0405517 | WASTE MANAGEMENT | RT 81 NORTH | SYRACUSE |
| 0506653 | BUSINESS | 736 IRVING AVE | SYRACUSE |
| 9604373 | COYNE TEXTILE | 140 CORTLAND AVE | SYRACUSE |
| 9706820 | SOUTH SIDE SELF SERVE | RAYNOR & SOUTH SALINA | SYRACUSE |
| 8705564 | I-81 & ADAMS ST. | ROUTE 81 NORTH ADAMS ST | SYRACUSE |
| 0360069 | UPSTATE MEDICAL CNTR PRK | ADAMS STREET | SYRACUSE |
| 9410838 | COYNE TEXTILE CO | CLINTON & TAYLOR | SYRACUSE |
| 9901836 | | 550 HARRISON ST | SYRACUSE |
| 0510107 | RT 81 NORTHBOUND | HARRISON STREET | SYRACUSE |
| 9802642 | CORNER OF | E ADAMS ST/IRVING AVE | SYRACUSE |
| 0300735 | SYRACUSE UNIV | 900 IRVING AVE | SYRACUSE |
| 9306315 | HESS STATION 32461 | 620 S. SALINA | ONONDAGA |
| 0001641 | ATLAS LINEN | 320 WEST TAYLOR ST | SYRACUSE |
| 8601783 | | 320 WEST TAYLOR ST | SYRACUSE |
| 0403688 | TEMPLE SUBSTATION | 423 ONEIDA STREET | SYRACUSE |
| 9106456 | VACANT REPAIR SHOP | 1401 SOUTH SALINA STREET | SYRACUSE |
| 9107053 | SUNNY'S AUTO PARTS | 1401 SOUTH SALINA STREET | SYRACUSE |
| 9503923 | SYRACUSE UNIVERSITY | UNIVERSITY/NEWHOUSE CT YD | SYRACUSE |
| 0608412 | SYARCUSE UNIVERSITY | 215 UNIVERSITY PLACE | SYRACUSE |
| 9607269 | | 727 SOUTH CROUSE | SYRACUSE |
| 0208370 | BYRNE DAIRY | 275 COURTLAND AVE | SYRACUSE |
| 0203351 | NETWORK VAULT 5671 | SO SALINAS ST/ADAMS ST | SYRACUSE |
| 9706098 | SYRACUSE CITY PROPERTY | 1426 SOUTH SALINA ST | SYRACUSE |
| 9007272 | ONONDAGA CO. WAR MEMORIAL | STATE AND MONTGOMERY STS. | SYRACUSE |
| 0401367 | PARKING LOT AT INTERSECTI | ALMOND ST & MADISON ST | SYRACUSE |
| 0500747 | CNY BUS GARAGE | 200 CORTLAND AVENUE | SYRACUSE |
| 0107608 | CENTRO | 200 CORTLAND AVENUE | SYRACUSE |
| 9301095 | CENTRO GARAGE-CORTLAND AV | 200 CORTLAND AVENUE | SYRACUSE |
| 9508450 | CNY CENTRO, INC. | 200 CORTLAND AVENUE | SYRACUSE |
| 0700048 | REPAIR BAYS 18 & 19 | 200 CORTLAND AVENUE | SYRACUSE |

***NO OIL STORAGE FACILITIES LARGER THAN 400,000 GALLONS IDENTIFIED WITHIN 1/4 MILE SEARCH RADIUS***

## *PETROLEUM BULK STORAGE FACILITIES LESS THAN 400,000 GALLONS IDENTIFIED WITHIN THE 1/4 MILE SEARCH RADIUS*

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

**Map Identification Number 72** **SYRACUSE UNIVERSITY STEAM STATION** **Facility Id: 7-180602** **Source: NYS DEC**
500 E. TAYLOR ST. SYRACUSE, NY 13244-6400

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 317 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 13202

Site Status: Active
Expiration Date of the facility's registration certificate: 06/18/2007

Detailed site and tank information for this site has not been made publicly available by the NYSDEC since 1/1/2002. The following is historic data:

Facility Type: Utility (Other than Municipal)

TANK INFORMATION
Aboveground tanks: Yes Underground tanks: Yes

Operator Name: STEVE PASSEN Operator Phone #:
Owner Name:
Owner Company: Owner Type: Corporate/Commercial
Owner Address: SKYTOP OFFICE BLDG., SYRACUSE, NY 13244-5300

| TANK NUMBER | TANK STATUS | TANK CONTENT | CAPACITY GALLONS | TANK LOCATION | INSTALL DATE | TEST DATE | CLOSE DATE |
|---|---|---|---|---|---|---|---|
| 001 | CLOSED BEFORE 4/1/91 | #1 2 OR 4 FUEL OIL | 30000 | UNDERGROUND | 01/01/1963 | 08/01/1985 | |
| 002 | CLOSED BEFORE 4/1/91 | #1 2 OR 4 FUEL OIL | 30000 | UNDERGROUND | 01/01/1963 | 08/01/1985 | |
| 003 | CLOSED BEFORE 4/1/91 | #1 2 OR 4 FUEL OIL | 15000 | UNDERGROUND | | | |
| 005 | IN SERVICE | #1 2 OR 4 FUEL OIL | 30000 | UNDERGROUND | 08/01/1989 | | |
| 006 | IN SERVICE | #1 2 OR 4 FUEL OIL | 30000 | UNDERGROUND | 08/01/1989 | | |
| 007 | IN SERVICE | #1 2 OR 4 FUEL OIL | 30000 | UNDERGROUND | 08/01/1989 | | |
| 008 | IN SERVICE | #1 2 OR 4 FUEL OIL | 30000 | UNDERGROUND | 08/01/1989 | | |
| 009 | IN SERVICE | #1 2 OR 4 FUEL OIL | 275 | ABOVEGROUND ON LEGS RACKS ETC | 06/01/1990 | | |

**Map Identification Number 73** **CENTRAL VILLAGE HOUSING PROJECT** **Facility Id: 7-498955** **Source: NYS DEC**
302 BURT ST. SYRACUSE, NY 13202

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 758 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Facility Type: Apartment Building/Office Building
Site Status: Active
Expiration Date of the facility's registration certificate: 02/10/2010
Operator Name: SYRACUSE HOUSING AUTHORITY
Operator Phone #: (315) 475-6181
Owner Name: FREDERICK P. MURPHY - EXECUTIVE DIRECTOR
Owner Company: SYRACUSE HOUSING AUTHORITY
Owner Type: Local Government
Owner Address: 516 BURT ST., SYRACUSE, NY 13202

| TANK NUMBER | TANK STATUS | TANK CONTENT | CAPACITY GALLONS | TANK LOCATION | INSTALL DATE | TEST DATE | CLOSE DATE |
|---|---|---|---|---|---|---|---|
| 001 | Temporarily Out of Service | #2 Fuel Oil | 10000 | Underground | 12/01/1984 | 01/20/2006 | |

**Map Identification Number 74** **FORMER SALVATION ARMY PROPERTY** **Facility Id: 7-601001** **Source: NYS DEC**
1117 S. STATE ST. & SYRACUSE, NY 13202

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 784 feet to the W

ADDRESS CHANGE INFORMATION
Revised street: 1117 S. STATE ST. /
Revised zip code: NO CHANGE

Facility Type: Other
Site Status: Unregulated
Expiration Date of the facility's registration certificate: 11/17/2009
Operator Name: N/A
Operator Phone #: (315) 475-6181
Owner Name:
Owner Company: SYRACUSE HOUSING AUTHORITY
Owner Type: Local Government
Owner Address: 516 BURT ST., SYRACUSE, NY 13202

| TANK NUMBER | TANK STATUS | TANK CONTENT | CAPACITY GALLONS | TANK LOCATION | INSTALL DATE | TEST DATE | CLOSE DATE |
|---|---|---|---|---|---|---|---|
| 001 | Closed - Removed | Empty | 1000 | Underground | | | |
| 002 | Closed - Removed | Empty | 1000 | Underground | | | |
| 003 | Closed - Removed | Empty | 1000 | Underground | | | |
| 004 | Closed - Removed | Empty | 1000 | Underground | | | |

**Map Identification Number 75** **THE SALVATION ARMY** **Facility Id: 7-128058** **Source: NYS DEC**
1105 S. STATE ST. SYRACUSE, NY 13202

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 784 feet to the W

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Facility Type: Other
Site Status: Unregulated
Expiration Date of the facility's registration certificate: 03/24/2002
Operator Name: THE SALVATION ARMY
Operator Phone #: (718) 583-3500
Owner Name:
Owner Company: THE SALVATION ARMY INC.
Owner Type: Corporate or Commercial
Owner Address: 440 W. NYACK RD., WEST NYACK, NY 10994

| TANK NUMBER | TANK STATUS | TANK CONTENT | CAPACITY GALLONS | TANK LOCATION | INSTALL DATE | TEST DATE | CLOSE DATE |
|---|---|---|---|---|---|---|---|
| 001 | Closed - Removed | Gasoline | 5000 | Underground | 12/01/1986 | | 01/01/1998 |

## *HAZARDOUS WASTE GENERATORS/TRANSPORTERS IDENTIFIED WITHIN 1/4 MILE SEARCH RADIUS*

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

**Map Identification Number 76** **NYSDEC Name:** **SYRACUSE HOUSING AUTHORITY** **Facility Id: NY0000201889**

NYSDEC Address: 409 BURT ST SYRACUSE, NY 13202
EPA (RCRA) Name: SYRACUSE HOUSING AUTH
EPA (RCRA) Address: 409 BURT ST SYRACUSE, NY 132023912

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 219 feet to the W

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN
Notification date: 04/06/1994
Part A notification date: 04/06/1994
Land Disposal: Receives offsite waste: Incinerator:
Storer: Treatment facility: Transporter:

Historically listed as the following USEPA RCRA Generator Size(s) as well:
LARGE QUANTITY GENERATOR

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NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

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| WASTE CODE | WASTE DESCRIPTION | WASTE AMOUNT | WASTE UNITS | TRANSACTION TYPE | YEAR |
|---|---|---|---|---|---|
| F003 | Spent non-halogenated solvents | 556 | POUNDS | GENERATED | 1994 |

**Map Identification Number 77** **NYSDEC Name:** **STEWART & STEVENSON** **Facility Id: NYD987016136**

NYSDEC Address: PROJECT ORANGE 520 TAYLOR ST SYRACUSE, NY 13202
EPA (RCRA) Name: PROJECT ORANGE
EPA (RCRA) Address: 520 E TAYLOR ST SYRACUSE, NY 13202

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 328 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: 520 E TAYLOR ST
Revised zip code: NO CHANGE

US EPA RCRA Type: SMALL QUANTITY GENERATOR Notification date: 09/28/1992 Part A notification date: 09/28/1992
Land Disposal: Receives offsite waste: Incinerator:
Storer: Treatment facility: Transporter:

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

| WASTE CODE | WASTE DESCRIPTION | WASTE AMOUNT | WASTE UNITS | TRANSACTION TYPE | YEAR |
|---|---|---|---|---|---|
| D006 | Cadmium | 110 | GALLONS | GENERATED | 2000 |
| D009 | Mercury | 75 | POUNDS | GENERATED | 1999 |
| D001 | Solid waste that exhibits the characteristic of ignitability | 18 | GALLONS | GENERATED | 1998 |
| F003 | Spent non-halogenated solvents | 55 | GALLONS | GENERATED | 1998 |
| F003 | Spent non-halogenated solvents | 165 | POUNDS | GENERATED | 1998 |
| D006 | Cadmium | 650 | POUNDS | GENERATED | 1997 |
| F006 | Wastewater treatment sludges from electroplating operations | 165 | GALLONS | GENERATED | 1997 |
| F001 | Spent halogenated solvents used in degreasing | 90 | GALLONS | GENERATED | 1995 |

Toxicity Information Summary

| CHEMICAL NAME | CAS-NO | ACUTE TOX | TUMOR TOX | MUTAG TOX | REPRO TOX | IRRIT TOX | MCL |
|---|---|---|---|---|---|---|---|
| Cadmium | 7440439 | X | X | X | X | | .010mg/L* |
| Mercury | 7439976 | X | X | X | X | | .002mg/L* |

**Map Identification Number 78** **NYSDEC Name:** **SYRACUSE UNIVERSITY STEAM STATION** **Facility Id: NYD982271918**
NYSDEC Address: 500 EAST TAYLOR STREET SYRACUSE, NY 13244
EPA (RCRA) Name: SYRACUSE UNIV - STEAM STATION
EPA (RCRA) Address: 500 E TAYLOR ST SYRACUSE, NY 13244

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 328 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 13202

US EPA RCRA Type: SMALL QUANTITY GENERATOR Notification date: 08/07/1987 Part A notification date: 08/07/1987
Land Disposal: Receives offsite waste: Incinerator:
Storer: Treatment facility: Transporter:

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

| WASTE CODE | WASTE DESCRIPTION | WASTE AMOUNT | WASTE UNITS | TRANSACTION TYPE | YEAR |
|---|---|---|---|---|---|
| F003 | Spent non-halogenated solvents | 125 | POUNDS | GENERATED | 2006 |
| D001 | Solid waste that exhibits the characteristic of ignitability | 141 | POUNDS | GENERATED | 2005 |
| D002 | Solid waste that exhibits the characteristic of corrosivity | 5 | POUNDS | GENERATED | 2005 |
| U080 | Methane, dichloro- | 7 | POUNDS | GENERATED | 2003 |
| D009 | Mercury | 16 | POUNDS | GENERATED | 2002 |
| D001 | Solid waste that exhibits the characteristic of ignitability | 2 | GALLONS | GENERATED | 2001 |
| D009 | Mercury | 1 | GALLONS | GENERATED | 2001 |
| D002 | Solid waste that exhibits the characteristic of corrosivity | 6 | GALLONS | GENERATED | 2000 |
| D006 | Cadmium | 150 | POUNDS | GENERATED | 2000 |
| F002 | Spent halogenated solvents | 267 | POUNDS | GENERATED | 2000 |
| F003 | Spent non-halogenated solvents | 40 | GALLONS | GENERATED | 2000 |
| F002 | Spent halogenated solvents | 55 | GALLONS | GENERATED | 1996 |
| B007 | Other PCB Wastes including contaminated soil, solids, sludges, clothing, etc. | 382 | KILOGRAMS | GENERATED | 1992 |
| D007 | Chromium | 700 | POUNDS | GENERATED | 1991 |
| B001 | PCB Oil (concentrated) from transformers, capacitors, etc. | 55 | GALLONS | GENERATED | 1989 |
| B002 | Petroleum oil or other liquid containing 50 ppm < PCBs < 500 ppm | 330 | GALLONS | GENERATED | 1989 |
| B006 | PCB Transformers. | 18200 | POUNDS | GENERATED | 1989 |
| B007 | Other PCB Wastes including contaminated soil, solids, sludges, clothing, etc. | 1050 | POUNDS | GENERATED | 1989 |
| F001 | Spent halogenated solvents used in degreasing | 605 | GALLONS | GENERATED | 1989 |
| B003 | Petroleum oil or other liquid containing 500 ppm or greater of PCBs. | 100 | POUNDS | GENERATED | 1988 |
| B004 | PCB Articles containing 50 ppm or greater of PCBs but less than 500 ppm PCBs. | 6250 | POUNDS | GENERATED | 1988 |

NOTE: 2006 waste amounts are for 1/1/06 to 7/6/06 only

Toxicity Information Summary

| CHEMICAL NAME | CAS-NO | ACUTE TOX | TUMOR TOX | MUTAG TOX | REPRO TOX | IRRIT TOX | MCL |
|---|---|---|---|---|---|---|---|
| Methane, dichloro- | 75092 | X | X | X | X | X | 5 ug/L |
| Mercury | 7439976 | X | X | X | X | | .002mg/L* |
| Cadmium | 7440439 | X | X | X | X | | .010mg/L* |
| Other PCB Wastes including contaminated soil, solids, sludge | 1336363 | X | X | | X | | 5 ug/L |
| Chromium | 7440473 | X | X | | | | 50ug/L* |

**Map Identification Number 79** **EPA (RCRA) Name:** **SYRACUSE HOUSING AUTHORITY** **Facility Id: NYD981873599**

EPA (RCRA) Address: 516 BURT ST SYRACUSE, NY 13202
NYSDEC Name: SYRACUSE HOUSING AUTHORITY
NYSDEC Address: 300 BURT STREET SYRACUSE, NY 13202

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 411 feet to the ESE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Special Note: The New York State Department of Environmental Conservation and the U. S. Environmental Protection Agency have reported different locations for this hazardous waste identification number. Available information for both locations is summarized below.

US EPA RCRA Type: LARGE QUANTITY GENERATOR Notification date: 11/25/1996 Part A notification date: 11/25/1996
Land Disposal: Receives offsite waste: Incinerator:
Storer: Treatment facility: Transporter:

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

| WASTE CODE | WASTE DESCRIPTION | WASTE AMOUNT | WASTE UNITS | TRANSACTION TYPE | YEAR |
|---|---|---|---|---|---|
| B001 | PCB Oil (concentrated) from transformers, capacitors, etc. | 3 | KILOGRAMS | GENERATED | 2002 |
| B002 | Petroleum oil or other liquid containing 50 ppm < PCBs < 500 ppm | 2455 | KILOGRAMS | GENERATED | 2001 |
| B003 | Petroleum oil or other liquid containing 500 ppm or greater of PCBs. | 1245 | KILOGRAMS | GENERATED | 2001 |
| B006 | PCB Transformers. | 800 | KILOGRAMS | GENERATED | 1997 |
| B007 | Other PCB Wastes including contaminated soil, solids, sludges, clothing, etc. | 14941 | KILOGRAMS | GENERATED | 1997 |
| D006 | Cadmium | 55 | GALLONS | GENERATED | 1996 |
| D008 | Lead | 525 | POUNDS | GENERATED | 1995 |

Toxicity Information Summary

| CHEMICAL NAME | CAS-NO | ACUTE TOX | TUMOR TOX | MUTAG TOX | REPRO TOX | IRRIT TOX | MCL |
|---|---|---|---|---|---|---|---|
| PCB Oil (concentrated) from transformers, capacitors, etc. | 1336363 | X | X | | X | | 5 ug/L |
| Cadmium | 7440439 | X | X | X | X | | .010mg/L* |
| Lead | 7439921 | X | X | X | X | | 0.05mg/L* |

**Map Identification Number 80** **NYSDEC Name:** **O B G TECHNICAL SERVICES** **Facility Id: NYD986980167**

NYSDEC Address: ALMOND & TAYLOR ST.GAS PROJECT SYRACUSE, NY 13221
EPA (RCRA) Name: PROJECT ORANGE GASLINE PROJECT
EPA (RCRA) Address: COR ALMOND & TAYLOR STS SYRACUSE, NY 13210

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 610 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: ALMOND ST / E TAYLOR ST
Revised zip code: 13210

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN
Land Disposal: Receives offsite waste:
Storer: Treatment facility:

Notification date: 11/18/1991
Incinerator:
Transporter:

Part A notification date: 11/18/1991

Historically listed as the following USEPA RCRA Generator Size(s) as well:
LARGE QUANTITY GENERATOR

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NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

---

| WASTE CODE | WASTE DESCRIPTION | WASTE AMOUNT | WASTE UNITS | TRANSACTION TYPE | YEAR |
|---|---|---|---|---|---|
| F003 | Spent non-halogenated solvents | 935 | GALLONS | GENERATED | 1991 |

**Map Identification Number 81** **NYSDEC Name:** **SYRACUSE HOUSING AUTHORITY** **Facility Id: NYD981873599**

NYSDEC Address: 300 BURT STREET SYRACUSE, NY 13202
EPA (RCRA) Name: SYRACUSE HOUSING AUTHORITY
EPA (RCRA) Address: 516 BURT ST SYRACUSE, NY 13202

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (4)
Approximate distance from property: 793 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Special Note: The New York State Department of Environmental Conservation and the U. S. Environmental Protection Agency have reported different locations for this hazardous waste identification number. Available information for both locations is summarized below.

US EPA RCRA Type: LARGE QUANTITY GENERATOR
Land Disposal: Receives offsite waste:
Storer: Treatment facility:

Notification date: 11/25/1996
Incinerator:
Transporter:

Part A notification date: 11/25/1996

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

| WASTE CODE | WASTE DESCRIPTION | WASTE AMOUNT | WASTE UNITS | TRANSACTION TYPE | YEAR |
|---|---|---|---|---|---|
| B001 | PCB Oil (concentrated) from transformers, capacitors, etc. | 3 | KILOGRAMS | GENERATED | 2002 |
| B002 | Petroleum oil or other liquid containing 50 ppm < PCBs < 500 ppm | 2455 | KILOGRAMS | GENERATED | 2001 |
| B003 | Petroleum oil or other liquid containing 500 ppm or greater of PCBs. | 1245 | KILOGRAMS | GENERATED | 2001 |
| B006 | PCB Transformers. | 800 | KILOGRAMS | GENERATED | 1997 |
| B007 | Other PCB Wastes including contaminated soil, solids, sludges, clothing, etc. | 14941 | KILOGRAMS | GENERATED | 1997 |
| D006 | Cadmium | 55 | GALLONS | GENERATED | 1996 |
| D008 | Lead | 525 | POUNDS | GENERATED | 1995 |

Toxicity Information Summary

| CHEMICAL NAME | CAS-NO | ACUTE TOX | TUMOR TOX | MUTAG TOX | REPRO TOX | IRRIT TOX | MCL |
|---|---|---|---|---|---|---|---|
| PCB Oil (concentrated) from transformers, capacitors, etc. | 1336363 | X | X | | X | | 5 ug/L |
| Cadmium | 7440439 | X | X | X | X | | .010mg/L* |
| Lead | 7439921 | X | X | X | X | | 0.05mg/L* |

**Map Identification Number 82** **NYSDEC Name:** **NYSDOT** **Facility Id: NYR000097287**

NYSDEC Address: I-81 SB RAMP OV JACKSON ST SYRACUSE, NY NO ZIP PROVIDED
EPA (RCRA) Name: NYSDOT BRIDGE BIN 103156A
EPA (RCRA) Address: I-81 SB RAMP OVER JACKSON ST SYRACUSE, NY 13202

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 852 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: I 81 / JACKSON ST
Revised zip code: 13202

US EPA RCRA Type: SMALL QUANTITY GENERATOR
Notification date: 05/21/2001
Part A notification date: 05/21/2001
Land Disposal: Receives offsite waste: Incinerator:
Storer: Treatment facility: Transporter:

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

| WASTE CODE | WASTE DESCRIPTION | WASTE AMOUNT | WASTE UNITS | TRANSACTION TYPE | YEAR |
|---|---|---|---|---|---|
| D008 | Lead | 1000 | POUNDS | GENERATED | 2001 |

Toxicity Information Summary

| CHEMICAL NAME | CAS-NO | ACUTE TOX | TUMOR TOX | MUTAG TOX | REPRO TOX | IRRIT TOX | MCL |
|---|---|---|---|---|---|---|---|
| Lead | 7439921 | X | X | X | X | | 0.05mg/L* |

**Map Identification Number 83** **NYSDEC Name:** **NYSDOT** **Facility Id: NYR000097295**

NYSDEC Address: I-81 NB RAMP OV JACKSON ST SYRACUSE, NY NO ZIP PROVIDED
EPA (RCRA) Name: NYSDOT BRIDGE BIN 103156B
EPA (RCRA) Address: I-81 NB OFF RAMP OVER JACKSON SYRACUSE, NY 13202

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 852 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: I 81 / JACKSON ST
Revised zip code: 13202

US EPA RCRA Type: SMALL QUANTITY GENERATOR Notification date: 05/21/2001 Part A notification date: 05/21/2001
Land Disposal: Receives offsite waste: Incinerator:
Storer: Treatment facility: Transporter:

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

| WASTE CODE | WASTE DESCRIPTION | WASTE AMOUNT | WASTE UNITS | TRANSACTION TYPE | YEAR |
|---|---|---|---|---|---|
| D008 | Lead | 1000 | POUNDS | GENERATED | 2001 |

Toxicity Information Summary

| CHEMICAL NAME | CAS-NO | ACUTE TOX | TUMOR TOX | MUTAG TOX | REPRO TOX | IRRIT TOX | MCL |
|---|---|---|---|---|---|---|---|
| Lead | 7439921 | X | X | X | X | | 0.05mg/L* |

**Map Identification Number 84** **NYSDEC Name:** **SYRACUSE UNIVERSITY** **Facility Id: NYD986947505**
NYSDEC Address: 401 VAN BUREN ST SYRACUSE, NY 13244
EPA (RCRA) Name: SYRACUSE UNIVERSITY
EPA (RCRA) Address: 401 VAN BUREN ST BREWSTER HALL SYRACUSE, NY 13244

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 958 feet to the ESE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 13210

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN
Land Disposal: Receives offsite waste:
Storer: Treatment facility:

Notification date: 04/10/1991
Incinerator:
Transporter:

Part A notification date: 04/10/1991

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

| WASTE CODE | WASTE DESCRIPTION | WASTE AMOUNT | WASTE UNITS | TRANSACTION TYPE | YEAR |
|---|---|---|---|---|---|
| B006 | PCB Transformers. | 2793 | KILOGRAMS | GENERATED | 1991 |

Toxicity Information Summary

| CHEMICAL NAME | CAS-NO | ACUTE TOX | TUMOR TOX | MUTAG TOX | REPRO TOX | IRRIT TOX | MCL |
|---|---|---|---|---|---|---|---|
| PCB Transformers. | 1336363 | X | X | | X | | 5 ug/L |

**Map Identification Number 85** **NYSDEC Name:** **KATEI TRIPP NORTHERN ENV** **Facility Id: NYR000056853**
NYSDEC Address: 1429 S MCBRIDE ST SYRACUSE, NY 13202
EPA (RCRA) Name: TRIPP KATIE
EPA (RCRA) Address: 1429 S MCBRIDE ST SYRACUSE, NY 13210

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1011 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: 1429 S MC BRIDE ST
Revised zip code: NO CHANGE

US EPA RCRA Type: SMALL QUANTITY GENERATOR
Land Disposal: Receives offsite waste:
Storer: Treatment facility:

Notification date: 06/17/1998
Incinerator:
Transporter:

Part A notification date: 06/17/1998

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

| WASTE CODE | WASTE DESCRIPTION | WASTE AMOUNT | WASTE UNITS | TRANSACTION TYPE | YEAR |
|---|---|---|---|---|---|
| D008 | Lead | 305 | POUNDS | GENERATED | 1998 |

Toxicity Information Summary

| CHEMICAL NAME | CAS-NO | ACUTE TOX | TUMOR TOX | MUTAG TOX | REPRO TOX | IRRIT TOX | MCL |
|---|---|---|---|---|---|---|---|
| Lead | 7439921 | X | X | X | X | | 0.05mg/L* |

## *CHEMICAL STORAGE FACILITIES IDENTIFIED WITHIN THE 1/4 MILE SEARCH RADIUS*

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

**Map Identification Number 86** **SYRACUSE UNIVERSITY STEAM STATION** **Facility Id 7-000152**
500 E. TAYLOR STREET SYRACUSE, NY 13202

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 319 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Expiration Date of the facility's registration certificate: 07/18/2003
Owner Name: SYRACUSE UNIVERSITY
Owner Address: SKYTOP ROAD SYRACUSE, NY 13244-6400
Operator Name: JOSEPH BURROUGHS Facility Phone #: (315) 474-8230
Site Status: ACTIVE Site Type: SCHOOL

| TANK NUMBER | TANK STATUS | CHEMICAL NAME | CAPACITY GALLONS | TANK LOCATION | INSTALL DATE | DATE CLOSED |
|---|---|---|---|---|---|---|
| 001 | IN SERVICE | SULFURIC ACID | 1500 | ABOVEGROUND ON LEGS RACKS ETC | 06/72 | |
| 002 | CONVERTED-NONREGULAT | ETHYLENEDIAMINE TETRAACETIC ACID (EDTA) | 1000 | ABOVEGROUND ON LEGS RACKS ETC | 02/91 | 00/00 |
| 003 | CONVERTED-NONREGULAT | ETHYLENEDIAMINE TETRAACETIC ACID (EDTA) | 1000 | ABOVEGROUND ON LEGS RACKS ETC | 02/91 | 00/00 |
| 004 | CONVERTED-NONREGULAT | METHANE, DICHLORODIFLUORO- | 1000 | ABOVEGROUND ON LEGS RACKS ETC | 12/70 | 00/00 |

Toxicity Information Summary

| CHEMICAL NAME | CAS-NO | ACUTE TOX | TUMOR TOX | MUTAG TOX | REPRO TOX | IRRIT TOX | MCL |
|---|---|---|---|---|---|---|---|
| SULFURIC ACID | 7664939 | X | | X | X | X | |
| ETHYLENEDIAMINE TETRAACETIC ACID (EDTA) | 60004 | X | | X | X | | |
| METHANE, DICHLORODIFLUORO- | 75718 | X | | | | | 5 ug/L |

**Map Identification Number 87** **SU CHILLED WATER PLANT** **Facility Id 7-000281**
500 E. TAYLOR STREET SYRACUSE, NY 13202

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 319 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Expiration Date of the facility's registration certificate: 10/09/2000
Owner Name: SYRACUSE UNIVERSITY
Owner Address: SKYTOP ROAD SYRACUSE, NY 13244
Operator Name: SYRACUSE UNIVERSITY Facility Phone #: (315) 443-4188
Site Status: INACTIVE Site Type: SCHOOL

| TANK NUMBER | TANK STATUS | CHEMICAL NAME | CAPACITY GALLONS | TANK LOCATION | INSTALL DATE | DATE CLOSED |
|---|---|---|---|---|---|---|
| 002 | CLOSED-REMOVED | SULFURIC ACID | 1100 | ABOVEGROUND | 10/96 | 11/99 |
| 003 | CLOSED-REMOVED | SODIUM HYPOCHLORITE | 500 | ABOVEGROUND | 10/96 | 11/99 |

Toxicity Information Summary

| CHEMICAL NAME | CAS-NO | ACUTE TOX | TUMOR TOX | MUTAG TOX | REPRO TOX | IRRIT TOX | MCL |
|---|---|---|---|---|---|---|---|
| SULFURIC ACID | 7664939 | X | | X | X | X | |
| SODIUM HYPOCHLORITE | 7681529 | X | X | X | | X | |

**Map Identification Number 88** **PROJECT ORANGE** **Facility Id 7-000230**
520 EAST TAYLOR STREET SYRACUSE, NY 13202

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 319 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Expiration Date of the facility's registration certificate: 04/29/2002
Owner Name: PROJECT ORANGE ASSOCIATES, L.P.
Owner Address: 507 PLUM STREET SYRACUSE, NY 13204
Operator Name: GENERAL ELECTRIC Facility Phone #: (315) 474-8230
Site Status: ACTIVE Site Type: OTHER

| TANK NUMBER | TANK STATUS | CHEMICAL NAME | CAPACITY GALLONS | TANK LOCATION | INSTALL DATE | DATE CLOSED |
|---|---|---|---|---|---|---|
| T-100 | IN SERVICE | SULFURIC ACID | 7000 | ABOVEGROUND | 04/92 | |
| T-200 | IN SERVICE | SODIUM HYDROXIDE | 7000 | ABOVEGROUND | 04/92 | |

Toxicity Information Summary

| CHEMICAL NAME | CAS-NO | ACUTE TOX | TUMOR TOX | MUTAG TOX | REPRO TOX | IRRIT TOX | MCL |
|---|---|---|---|---|---|---|---|
| SULFURIC ACID | 7664939 | X | | X | X | X | |
| SODIUM HYDROXIDE | 1310732 | X | | X | | X | |

***NO HAZARDOUS SUBSTANCE WASTE DISPOSAL SITES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS***

***NO TOXIC AIR, LAND AND WATER RELEASES IDENTIFIED WITHIN 1/4 MILE SEARCH RADIUS***

***NO WASTEWATER DISCHARGES IDENTIFIED WITHIN 1/4 MILE SEARCH RADIUS***

## *AIR DISCHARGE FACILITIES IDENTIFIED WITHIN THE 1/4 MILE SEARCH RADIUS*

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

**Map Identification Number 89** **SYRACUSE COGEN PROJECT** **Facility Id: 36067N0003** **State-county CDS Id: 36067N0003**
500 E. TAYLOR ST. SYRACUSE, NY 13202 State-county NED id: 360672015

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 324 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

CDS-ID: N0003 NED-ID: 2015 EPA-ID: None Given FINDS-ID: None Given
Plant Phone #1: None Given Plant Phone #2: None Given
Operating Status: OPERATING
EPA Classification:
State Classification: ACTUAL OR POTENTIAL EMISSIONS ARE ABOVE THE APPLICABLE MAJOR SOURCE THRESHOLDS
EPA Plant Compliance Status:
State Plant Compliance Status: UNKNOWN COMPLIANCE STATUS

AIR PROGRAM INFORMATION
- Regulatory Air Program: SIP SOURCE — Program Status: OPERATING
- Regulatory Air Program: PSD — Program Status: OPERATING
- Regulatory Air Program: NSPS — Program Status: OPERATING
- Regulatory Air Program: TITLE V PERMITS — Program Status: OPERATING

POLLUTANT INFORMATION
- Pollutant: CARBON MONOXIDE
  - State Pollutant Compliance for this pollutant: UNKNOWN COMPLIANCE STATUS
- Pollutant: CARBON MONOXIDE
  - State Pollutant Compliance for this pollutant: IN COMPLIANCE - CEMS
- Pollutant: FACILITY-WIDE PERMIT REQUIREMENTS
  - State Pollutant Compliance for this pollutant: IN COMPLIANCE - INSPECTION
- Pollutant: NITROGEN DIOXIDE
  - State Pollutant Compliance for this pollutant: UNKNOWN COMPLIANCE STATUS
- Pollutant: NITROGEN DIOXIDE
  - State Pollutant Compliance for this pollutant: IN COMPLIANCE - CEMS

**Map Identification Number 90** **SYRACUSE UNIVERSITY STEAM STATION** **Facility Id: NY0672005** **State-county CDS Id:**
500 EAST TAYLOR STREET SYRACUSE, NY 13244 State-county NED id: 360672005

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 324 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 13202

CDS-ID: None Given NED-ID: 2005 EPA-ID: NYD982271918 FINDS-ID: None Given
Plant Phone #1: None Given Plant Phone #2: (315)443-4188
Operating Status:
EPA Classification:
State Classification:
EPA Plant Compliance Status:
State Plant Compliance Status:

AIR PROGRAM INFORMATION
No air program information given.

POLLUTANT INFORMATION
No air pollutant information given.

**Map Identification Number 91** **PROJECT ORANGE** **Facility Id: 3606700194** **State-county CDS Id: 3606700194**
500 EAST TAYLOR STREET SYRACUSE, NY 13210 State-county NED id:

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 324 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

This site has been delisted from the current data. The data below is the last known.

CDS-ID: 00194 NED-ID: None Given EPA-ID: None Given FINDS-ID: None Given
Plant Phone #1: None Given Plant Phone #2: None Given
Operating Status: OPERATING
EPA Classification:
State Classification: ACT OR POTENTIAL CONTROLLED EMISSIONS >100 TONS/YR AS PER ALABAMA POWER DECISION
EPA Plant Compliance Status:
State Plant Compliance Status: UNKNOWN COMPLIANCE STATUS

AIR PROGRAM INFORMATION
Regulatory Air Program: NSPS Program Status: OPERATING

POLLUTANT INFORMATION
Pollutant: (CO Code (Call Toxics Targeting for more Information))0 L
State Pollutant Compliance for this pollutant: UNKNOWN COMPLIANCE STATUS

***NO CIVIL & ADMINISTRATIVE ENFORCEMENT DOCKET FACILITIES IDENTIFIED WITHIN THE 1/4 MILE SEARCH RADIUS***

U.S. EPA EMERGENCY RESPONSE NOTIFICATION SYSTEM (ERNS)
AT THE LOCATION OR POTENTIALLY AT THE LOCATION OF
1226 South McBride St
Syracuse, NY 13202

* Any ERNS Spills listed below are NOT mapped in this report *

POTENTIALLY ONSITE ERNS:

**********

Spill Number (ID): 233451 Spill Date: 10/05/1991

Location: TAYLOR AND MCBRIDE ST POLE NO.22
Spill City: SYRACUSE NY

| Material Spilled | Quantity Spilled | Units | Pounds | Quantity Released in Water | Units | Casno |
|---|---|---|---|---|---|---|
| OIL, MISC: TRANSFORMER | 50.00 | GAL | 370.00 | 0.00 | NON | |

Potentially Responsible Party (Discharger):
Discharger Address:

Dun and Bradstreet Number: Organization Type:

Medium(s) Affected:
Air: F Land: T Water: F Groundwater: F Contained within Fixed Facility: F Other: F
Waterway Affected: SOIL
Damages Incurred: F Estimated Cost of Property Damage: $0.00

Cause(s):
Transportation Accident: F Equipment Failure: F
Operator Error: F Natural Phenomenon: F
Dumping: F Other Cause: F
Unknown: F
Cause of the incident: Source of Release:
Type of Transportation Involved: FIXED FACILITY

Action: EMPLOYEES ARE CLEANING UP THE SPILL. SAMPLES HAVE BEEN TAKEN.

Description: 3 TRANSFORMERS/BUILDING COLLAPSE

Miscellaneous:

**********

NEW YORK STATE DEPARTMENT OF HEALTH RADON DATA
FOR THE ZIPCODE OF:
13202

| NUMBER OF HOMES TESTED | AVERAGE FOR THE ZIP | STANDARD DEVIATION | MAXIMUM READING FOR THE ZIP |
|---|---|---|---|
| 8 | 4.30 PCI/LITER | 2.35 PCI/LITER | 15.2 PCI/LITER |

Copyright 2008 Toxics Targeting, Inc. March 24, 2008 '1226 South McBride St'

Unmappable facilities for 'Onondaga' County

NPL/CERCLIS/NYSDEC Inactive Haz. Waste or Reg. Qual. Sites

| FACILITY ID | FACILITY NAME | STREET | CITY | ZIP |
|---|---|---|---|---|
| 734063 | SOLVENTS & PETROLEUM SERVICE INC. | | | UNKNOWN |
| 734067 | SAFETY KLEEN CORP. - SYRACUSE | | | UNKNOWN |
| NYD986950244 | BLACK BEAUTY | ROUTE 11 | ONONDAGA | UNKNOWN |
| NYD986913580 | ONONDAGA LAKE | | SYRACUSE | UNKNOWN |

Solid Waste Facilities

| FACILITY ID | FACILITY NAME | STREET | CITY | ZIP |
|---|---|---|---|---|
| 34D | E. J. BUTTON AND SONS | | | UNKNOWN |
| 34L51 | BIO-GRO ALLIED-SIGNAL WAS | | | UNKNOWN |
| 34L70 | ANHEUSER-BUSCH CO. SITE 2 | | | UNKNOWN |
| 34R01 | SYR. INDUST. DEVEL. AGEN. | | | UNKNOWN |
| 34S73 | CARRIER-DEWITT D&D | | | UNKNOWN |
| 34S76 | JARDINE BRONZE & AL | | | UNKNOWN |
| 34U45 | WASTE STREAM ENVIRON. | | | UNKNOWN |
| 34W04 | RRT OF SYRACUSE NEW YORK | | | UNKNOWN |
| 34W07 | CERI C&D PROCESSING FACIL | | | UNKNOWN |
| 34N26 | ONONDAGA COUNTY SLUDGE LF | 125 ELWOOD DAVIS RD | N SYRACUSE | UNKNOWN |

Hazardous Spills - UNKNOWN CAUSE OR OTHER CAUSES - Active

| FACILITY ID | FACILITY NAME | STREET | CITY | ZIP |
|---|---|---|---|---|
| 0706865 | DROP INLETS | I 81 NORTH & SOUTH BOUND | SYARCUSE | UNKNOWN |
| 0705335 | SARAH LOGAN STREET | 2 SARAH LOGAN STREET | SYRACUSE | UNKNOWN |
| 0550691 | SYRACUSE | ROUTE 81 SOUTHBOUND | SYRACUSE | UNKNOWN |
| 0060011 | BUCKEYE PIPELINE | CANAL CORRIDOR | SYRACUSE | UNKNOWN |

Hazardous Spills - MISC. SPILL CAUSES - Active

| FACILITY ID | FACILITY NAME | STREET | CITY | ZIP |
|---|---|---|---|---|
| 0651349 | ABANDONED DRUMS | CAUGHDENOY RD | | UNKNOWN |
| 0460019 | CITY COURT HOUSE BLDGS. | STATE STREET | SYRACUSE | UNKNOWN |
| 0410677 | NOCO WAREHOUSE | 1300 ELF STREET | SYRACUSE | UNKNOWN |

Hazardous Spills - TANK FAILURES - Closed

| FACILITY ID | FACILITY NAME | STREET | CITY | ZIP |
|---|---|---|---|---|
| 9914713 | | 159 WAVEL RD | SYRACUSE | UNKNOWN |
| 9513634 | | LOT C30 FOLANDS TRLR PARK | SYRACUSE | UNKNOWN |
| 9500006 | SOUTH SALINA | 2000 BLOCK OF S. SALINA | SYRACUSE | 13205 |
| 9406363 | BIANCHI EXCAVATING | BIANCHI EXCAVATING | SYRACUSE | UNKNOWN |
| 9405972 | SYRACUSE SUBURBAN GAS | SYRACUSE SUBURBAN GAS | SYRACUSE | UNKNOWN |
| 9314980 | SCRIVNERS | SCRIVNER FOOD WAREHOUSE | SYRACUSE | UNKNOWN |
| 9310133 | GRANT VILLAGE APTS. | GRANT VILLAGE | SYRACUSE | UNKNOWN |
| 9108484 | ONONDAGA CO. HEALTH DEPT. | STATE STREET SITE | SYRACUSE | UNKNOWN |

Hazardous Spills - TANK TEST FAILURES - Closed

| FACILITY ID | FACILITY NAME | STREET | CITY | ZIP |
|---|---|---|---|---|
| 8903828 | NI MO CREW HQ | CREW HQ | SYRACUSE | UNKNOWN |
| 8900251 | PAUL JEFFREY BLDG | BAKER ST | SYRACUSE | UNKNOWN |
| 8710436 | NI MO; AINSLAY DRIVE | AINSLAY DRIVE | SYRACUSE | 13210 |

Hazardous Spills - UNKNOWN CAUSE OR OTHER CAUSES - Closed

| FACILITY ID | FACILITY NAME | STREET | CITY | ZIP |
|---|---|---|---|---|
| 9711048 | PONDEROSA PLAZA | RT 11 | SOUTH SYRACUSE | UNKNOWN |
| 9706299 | I81 GOING FROM SYRACUSE | SOUTH TO X11 | SYRACUSE | UNKNOWN |
| 9704021 | POLE 22 | WASHINGTON STREET | SYRACUSE | UNKNOWN |

| | | | | |
|---|---|---|---|---|
| 9701148 | ONONDOGA CREEK | ONONDOGA CREEK | SYRACUSE | UNKNOWN |
| 9607592 | SYRACUSE UNIVERSITY | COMSTOCK AVENUE | SYRACUSE | UNKNOWN |
| 9607549 | CONSTRUCTION SITE | PIONEER DR/REGIONAL MKT | SYRACUSE | UNKNOWN |
| 9607296 | | RT 81 | SYRACUSE | UNKNOWN |
| 9606880 | SAFTEY KLEEN DUKE DR OIL | TERMINAL DUKE RD | SYRACUSE | UNKNOWN |
| 9605921 | CONSTRUCTION SITE | PIONEER DR/REGIONAL MKT | SYRACUSE | UNKNOWN |
| 9603477 | EAST FAHAD ST | CROWLEY | SYRACUSE | UNKNOWN |
| 9603121 | NATIONAL CAR RENTAL | NORTH ACCESS ROAD | SYRACUSE | UNKNOWN |
| 9505831 | ROUEY RD | 114 ROUEY RD | SYRACUSE | UNKNOWN |
| 9503582 | NIMO-WHITTLE RD | WHITTLE | SYRACUSE | UNKNOWN |
| 9502652 | BLACK GOO | 6667 COLLAMER RD | SYRACUSE | UNKNOWN |
| 9500834 | MEADOWBROOK CREEK | MEADOWBROOK CREEK | SYRACUSE | UNKNOWN |
| 9406414 | BARGE CANAL | SW SIDE OF CANAL | SYRACUSE | UNKNOWN |
| 9401370 | DABLON COURT | DABLON COURT (PIONEER HOM) | SYRACUSE | UNKNOWN |
| 9315560 | RADIOACTIVE HAY | SINGER TRUCKING | SYRACUSE | UNKNOWN |
| 9310006 | LEY CREEK/BEAR TRACK CK | LEY CREEK/BEAR TRACK CK | SYRACUSE | UNKNOWN |
| 9206683 | ONON.CO. PARKING GARAGE | ADDAMS ST | SYRACUSE | UNKNOWN |
| 9206093 | LINCOLN BANK BUILDING | CLINTON STREET | SYRACUSE | UNKNOWN |
| 9201715 | BRISTOL FERMENTATION BROT | HEADSON BROOK | SYRACUSE | UNKNOWN |
| 9111779 | PARKING LOT | PARKING LOT BEHIND PHOEBE | SYRACUSE | UNKNOWN |
| 9107559 | C&C EXPORT | RT 81 N | SYRACUSE | 13205 |
| 9102410 | AIR DISCHARGE | STATE STREET | SYRACUSE | UNKNOWN |
| 9100365 | E ADAMS ST | EAST ADAMS ST | SYRACUSE | UNKNOWN |
| 9006280 | OAKWOOD CEMETARY | OAKWOOD CEMETARY | SYRACUSE | 13210 |
| 9001729 | HYPO NEEDLE | ONONDAGA CREEK | SYRACUSE | UNKNOWN |
| 8911354 | ONODAGA CREEK | BRIDGEWATER PLACE | SYRACUSE | UNKNOWN |
| 8804501 | S. MCBRIDE ST SEWER | S. MCBRIDE ST. 600 BL EAS | SYRACUSE | UNKNOWN |
| 8705096 | SIBLEY'S PARKING GARAGE | CLINTON STREET | SYRACUSE | UNKNOWN |
| 8702518 | ALASKAN OIL | UNKNOWN | SYRACUSE | UNKNOWN |
| 8701800 | HESS; ROUTE 11 | ROUTE 11, S. SALINA ST | SYRACUSE | UNKNOWN |
| 8606797 | ROGER WHELAN | | SYRACUSE | UNKNOWN |
| 8503869 | | MERRILL LANE | SYRACUSE | UNKNOWN |
| 8301905 | | | SYRACUSE | UNKNOWN |
| 8301858 | | | SYRACUSE | UNKNOWN |
| 8301633 | | CENTINE HOLDING LIMITED | SYRACUSE | UNKNOWN |
| 8301161 | | | SYRACUSE | UNKNOWN |
| 8200610 | | | SYRACUSE | UNKNOWN |
| 8101329 | NASSELLI | | SYRACUSE | UNKNOWN |
| 8101167 | | | SYRACUSE | UNKNOWN |
| 8100799 | MORRIS GOLDFELD | M. GOLDFELD & M. COGS | SYRACUSE | UNKNOWN |
| 8100459 | | | SYRACUSE | UNKNOWN |
| 0703273 | SYRACUSE RAILYARD | 600 FREEMONT YARD | SYRACUSE | UNKNOWN |
| 0509462 | POLE#4-2 | 1840 LEMOYNE SERVICE RD | SYRACUSE | UNKNOWN |
| 0508293 | FRANKIN SQUARE | FRANKLIN SQUARE | SYRACUSE | UNKNOWN |
| 0508141 | BAGHOUSE | 56 INDUSTRIAL DRIVE | SYRACUSE | UNKNOWN |
| 0404185 | ON RAILROAD JUST EAST OF | BETWEEN MIDDLER  PARK AND | SYRACUSE | 13206 |
| 0300766 | ONONDAGA CREEK | TAYLOR ST/E ADAMS ST | SYRACUSE | 13202 |
| 0212041 | A DITCH GOES TO LEY CREEK | AND FLOWS TO ONONDAGA CRE | SYRACUSE | UNKNOWN |
| 0210323 | SYRACUSE UNIVERSITY | 901 IRVING AVE | SYRACUSE | UNKNOWN |
| 0106833 | UNIFIRST LAUNDRY | LUTHER AVE | SYRACUSE | UNKNOWN |
| 0106351 | ROSAMOND GIFFORD ZOO | 1 CONSERVATION PL | SYRACUSE | UNKNOWN |
| 7800166 | | | SYROCO | UNKNOWN |

Hazardous Spills - MISC. SPILL CAUSES - Closed

| FACILITY ID | FACILITY NAME | STREET | CITY | ZIP |
|---|---|---|---|---|
| 0505872 | I-81 NORTHBOUND | EXIT #16 | NEDROW | 13084 |
| 9706440 | I-81 NB | AREA OF RT 11 | ONONDAGA | UNKNOWN |
| 9701224 | RT.81 NORTHBOUND | NORTH OF METRO EXIT | ONONDAGA | UNKNOWN |
| 9914415 | TRUCK PIT | 1899 MALDEN ROAD | SYRACUSE | UNKNOWN |
| 9914225 | NINE MILE CREEK | AT GEDDES CREEK | SYRACUSE | UNKNOWN |

| | | | | |
|---|---|---|---|---|
| 9914022 | TR 21 | PO BOX 4808 | SYRACUSE | UNKNOWN |
| 9913631 | SB I81 AT MILE MARKER 83 | I-81 SB AT MILE MARKER 83 | SYRACUSE | UNKNOWN |
| 9911873 | REGIONAL TRANPORTATION | 131 P & C PARKWAY | SYRACUSE | UNKNOWN |
| 9911257 | CSX TRANSPORTATION | PEACH STREET | SYRACUSE | UNKNOWN |
| 9910216 | 100 MATTHEWS AVENUE | 100 MATTHEWS AVENUE | SYRACUSE | UNKNOWN |
| 9909838 | | 318 WEBSTER | SYRACUSE | UNKNOWN |
| 9909479 | NATIONAL CAR RENTAL | NORTH ACCESS ROAD | SYRACUSE | UNKNOWN |
| 9908929 | CARRIER CORP | PO BOX 4808 | SYRACUSE | UNKNOWN |
| 9908871 | SYRACUSE LABEL | LUTHER AVE | SYRACUSE | UNKNOWN |
| 9903914 | | NORTHBOUND RT 81/RT 481 | SYRACUSE | UNKNOWN |
| 9900220 | | RT 80 BY LION'S DEN RD | SYRACUSE | UNKNOWN |
| 9812223 | CARRIER CORP | BUILDING TR 20 | SYRACUSE | UNKNOWN |
| 9806487 | REGIONAL MARKET | TEX SIMONE DR | SYRACUSE | UNKNOWN |
| 9710064 | G&C FOOD DIST. | 245 TEX SIMONE DR | SYRACUSE | UNKNOWN |
| 9708636 | SYRACUSE UNIVERSITY | FACULTY CENTER | SYRACUSE | UNKNOWN |
| 9708030 | | 129 BORDEN AVENUE | SYRACUSE | 13205 |
| 9704660 | AMERICAN RED CROSS | 500 SALINA ST | SYRACUSE | UNKNOWN |
| 9701763 | SYRACUSE UNIVERSITY | FORESTRY DR | SYRACUSE | UNKNOWN |
| 9700746 | FOLANDS TRAILER PARK | LOT # C-45 | SYRACUSE | UNKNOWN |
| 9612359 | STEWART COURT | BURT ST | SYRACUSE | UNKNOWN |
| 9612304 | PIONEER HOMES | MONROE ST | SYRACUSE | 13210 |
| 9604772 | | I-81 SOUTH BOUND | SYRACUSE | UNKNOWN |
| 9602564 | 201 OSTROM AVENUE | THORNDEN PARK | SYRACUSE | 13244 |
| 9506942 | SAFETY KLEEN | 671 VIP PARKING | SYRACUSE | UNKNOWN |
| 9502731 | WASTE OIL DUMPER | 609 ROLAND ST | SYRACUSE | UNKNOWN |
| 9501043 | RT 81S | RT 81S | SYRACUSE | UNKNOWN |
| 9412272 | NOBEL & PITTS | DON ELLIOTS STATION | SYRACUSE | UNKNOWN |
| 9411864 | PETE'S EMPIRE | PETE'S EMPIRE | SYRACUSE | UNKNOWN |
| 9407825 | SYRACUSE UNIVERSITY | COLLEGE PLACE U4 LOT | SYRACUSE | UNKNOWN |
| 9407421 | DON ELLIOTS | DON ELLIOT | SYRACUSE | UNKNOWN |
| 9405974 | MIDAS | MIDAS MUFFLER | SYRACUSE | UNKNOWN |
| 9403435 | HECHINGERS | HECHINGERS | SYRACUSE | UNKNOWN |
| 9311898 | ROAD SALT-RT81 N | RT 81N | SYRACUSE | UNKNOWN |
| 9207607 | PROJECT ORANGE | OLD S.U. STEAM PLANT | SYRACUSE | UNKNOWN |
| 9204441 | KINDER FURNITURE | RTE 81 S. BRIGHTON EXIT | SYRACUSE | 13205 |
| 9110822 | ROUTE 81 NORTH | RT 81N COLVIN ST ON RAMP | SYRACUSE | UNKNOWN |
| 9109882 | TRUCK ACCIDENT | RT 81 SB N OF EXIT 16 | SYRACUSE | UNKNOWN |
| 9109695 | RED TANK TRUCK | ROUTE 81 SOUTH | SYRACUSE | UNKNOWN |
| 9107780 | COYNE INDUSTRIES | S. SALINA ST. STORM SEWER | SYRACUSE | UNKNOWN |
| 9103523 | KIRK PARK-FISH HEADS/GUTS | ONON. CREEK BLVD - KIRKPARK | SYRACUSE | UNKNOWN |
| 9011353 | NY TELE BUCKET TRUCK | SALINA & SHELTINGHAM | SYRACUSE | UNKNOWN |
| 9001533 | SUNOCO STATION | SUNOCO | SYRACUSE | UNKNOWN |
| 9000112 | SOUTHERN COATING ACCIDENT | RT 81 N | SYRACUSE | UNKNOWN |
| 8909736 | MOHAWK V BUCKLEY SOUTH | BROWN ST - EXIT OFF 690 | SYRACUSE | UNKNOWN |
| 8906509 | FINANCIAL PLAZABLDG | WARREN ST | SYRACUSE | UNKNOWN |
| 8906293 | NIMO-MARSHALL ST | MARSHALL ST | SYRACUSE | 13210 |
| 8906005 | WARREN ST BUILDING | WARREN ST | SYRACUSE | UNKNOWN |
| 8905466 | N ALBERT ST | 700 N ALBERT ST | SYRACUSE | UNKNOWN |
| 8902007 | CONRAIL | MILE POST 2.285/CONRAIL | SYRACUSE | UNKNOWN |
| 8807534 | NY TELE - HYDRAULIC FLUID | SERVICE RD. OFF BROADWAY | SYRACUSE | UNKNOWN |
| 8805234 | SUNY | URLICK HALL- S.U.N.Y. | SYRACUSE | UNKNOWN |
| 8804755 | COOPER METAL | SOUTH MCBRIDE ST | SYRACUSE | UNKNOWN |
| 8800618 | JACK KNIFE | RTE 81 NEAR BRIGHTNO AVE | SYRACUSE | UNKNOWN |
| 8704994 | RT. 81 ACCIDENT | ROUTE 81 RAMP | SYRACUSE | UNKNOWN |
| 8704520 | SYRACUSE WATER DEPT. | 101 BEACH STREET | SYRACUSE | UNKNOWN |
| 8607921 | LCP CHEMICALS; BRINE LEAK | CHURCH & DWIGHT STREET | SYRACUSE | UNKNOWN |
| 8604588 | CONSOLIDATED GAS | UNKNOWN | SYRACUSE | UNKNOWN |
| 8603277 | | 1705 LE MOYNE TRAILER PK. | SYRACUSE | UNKNOWN |
| 8504019 | RT 81 NORTH-COLVIN/ADAMS | RT 81 COLVIN/ADAMS | SYRACUSE | UNKNOWN |
| 8503252 | CLINTON ST | CLINTON STREET | SYRACUSE | UNKNOWN |

| | | | | |
|---|---|---|---|---|
| 8501467 | ARMSTRONG, I-81 SPILL | I-81, SO. I-481 | SYRACUSE | 13205 |
| 8200975 | ROUTE 81 & ADAMS STREET | RT 81 N/S NEAR ADAMS ST | SYRACUSE | 13202 |
| 0702990 | SYRACUSE UNIVERSITY | 110 SIMS DRIVE | SYRACUSE | 13244 |
| 0650623 | RT. 81 NORTH | RT 81 NORTH | SYRACUSE | UNKNOWN |
| 0612981 | SYRACUSE UNIVERSITY | 130 COLLEGE PLACE | SYRACUSE | UNKNOWN |
| 0608186 | PIEDMONT EQUIPMENT | UNKNOWN | SYRACUSE | UNKNOWN |
| 0607980 | CSX RAILYARD | 600 FREEMONT YARD | SYRACUSE | UNKNOWN |
| 0606808 | MANHOLE#12 & 14 | UNIVERSITY PLACE | SYRACUSE | 13210 |
| 0601293 | ASH STREET SUBSTATION | UNKNOWN | SYRACUSE | 13208 |
| 0508657 | NIMO VEHICLE | 410 BRASSWOOD | SYRACUSE | UNKNOWN |
| 0507515 | DUNKIN DONUTS COMMISSARY | 107 CITY CROSSROADS DRIVE | SYRACUSE | 13210 |
| 0505734 | SYRACUSE UNIVERSITY | WAVERLY/UNIVERSITY AVE | SYRACUSE | UNKNOWN |
| 0500466 | SYRACUSE UNIVERSITY | SYRACUSE UNIVERSITY | SYRACUSE | UNKNOWN |
| 0412921 | NIMO TRUCK | 146 HEARTHSIDE AVE | SYRACUSE | UNKNOWN |
| 0403665 | SYRACUSE UNIVERSITY | 130 COLLEGE PLACE | SYRACUSE | UNKNOWN |
| 0314248 | BYRNE DAIRY GARAGE | TAYLOR STREET | SYRACUSE | 13202 |
| 0313811 | | 120 CROUSE DRIVE | SYRACUSE | UNKNOWN |
| 0313580 | COSTAL SERVICE STA | ROUTE 12/ROUTE 11 | SYRACUSE | UNKNOWN |
| 0312684 | SWIFT TRANSPORT | 7470 ROUND POND ROAD | SYRACUSE | UNKNOWN |
| 0304804 | 432 RIDGE STREET | 432 RIDGE STREET | SYRACUSE | UNKNOWN |
| 0302880 | TRANSFLOW TERMINAL | SYRACUSE | SYRACUSE | UNKNOWN |
| 0302323 | SYRACUSE UNIVERSITY | FORSTERY DR | SYRACUSE | 13244 |
| 0301943 | OLD GAS STATION | SOUTH SALINA STREET | SYRACUSE | UNKNOWN |
| 0211606 | BYRNE DAIRY | KING ST | SYRACUSE | UNKNOWN |
| 0211219 | BYRNE DAIRY | KINGS STREET | SYRACUSE | 13202 |
| 0202793 | DUPLY ENVELOPE & GRAPHICS | DUPLY PARK DR | SYRACUSE | UNKNOWN |
| 0201335 | POLE 114 & 115 | CORTLAND ST | SYRACUSE | UNKNOWN |
| 0160047 | PHYSICIANS OFFICE BLDG. G | SOUTH CROUSE | SYRACUSE | UNKNOWN |
| 0160043 | VAN RESSELEAR STREET | VAN RESSELAER STREET | SYRACUSE | UNKNOWN |
| 0111805 | | 102 SEMINOLE DRIVE | SYRACUSE | UNKNOWN |
| 0110377 | SYRACUSE UNIVERSITY | 401 CHINOOK DR | SYRACUSE | UNKNOWN |
| 0108691 | SYRACUSE EXEC. AIR SERVIC | 248 TUSKEGEE ROAD | SYRACUSE | UNKNOWN |
| 0107506 | FLANIGAN AND ARCHIBOLD | 151 SIMS DR | SYRACUSE | UNKNOWN |
| 0107038 | VALLEY DR SOUTH OF | SENECA POLE 64-1 | SYRACUSE | UNKNOWN |
| 0106733 | RT81 | RT 81 | SYRACUSE | UNKNOWN |
| 0102915 | AMTRACK MILE POST 302 | AMTRACK RIGHT OF WAY | SYRACUSE | UNKNOWN |
| 0102862 | AMTRACK TRAIN STATION | AMTRACK TRAIN STATION | SYRACUSE | UNKNOWN |
| 0004464 | BYRNE DAIRY | KINGS STREET | SYRACUSE | UNKNOWN |
| 0001399 | POLE #12 | MCBRIDE ST | SYRACUSE | UNKNOWN |

Petroleum Bulk Storage Facilities

| FACILITY ID | FACILITY NAME | STREET | CITY | ZIP |
|---|---|---|---|---|
| 7-419664 | DARLINGS ICE CREAM | P O BOX 181 SALINA STATION | SYRACUSE | UNKNOWN |
| 7-437190 | SYRACUSE UNIVERSITY | MAIN (NORTH) CAMPUS | SYRACUSE | UNKNOWN |
| 7-498947 | NY1-1 PIONEER HOMES | ADAMS/RENWICK/TAYLOR/STATE | SYRACUSE | 13202 |

Hazardous Waste Generation or Transport Facilities

| FACILITY ID | FACILITY NAME | STREET | CITY | ZIP |
|---|---|---|---|---|
| NYP000850685 | MARINE MIDLAND BANK NA | ONE MARINE MIDLAND TOWER- P.O. | BOX 4888 SYRACUSE | 13202 |
| NYD981494362 | NEW YORK STATE DORMITORY AUTHORITY | SUNY SYRACUSE-750 EAST ADAMS | STREET - SYRACUSE | 13210 |
| NYD000799239 | SYRACUSE UNIVERSITY | 130 COLLEGE PLACE | SYRACUSE | UNKNOWN |
| NYD000854695 | MONDS AGWAY | 1127 SOUTH SAWSON STREET | SYRACUSE | 13202 |
| NYD063053771 | SYRACUSE RESEARCH CORPORATION | MERRILL LANE | SYRACUSE | 13210 |
| NYD980782338 | CORTLAND SUBSTATION | RTE 11 | SYRACUSE | 13202 |
| NYD980782775 | NIAGARA MOHAWK POWER CORPORATION | MC BRIDE SUBSTATION | SYRACUSE | 13202 |
| NYD982274565 | SYRACUSE UNIVERSITY | 625 MERRILL LANE-SOUTH CAMPUS | SYRACUSE | 13210 |
| NYD982274573 | SYRACUSE UNIVERSITY PSYCH RESEARCH BLDG | 101 STEVENS HALL | SYRACUSE | UNKNOWN |
| NYD982740185 | SYRACUSE UNIVERSITY | 111 COLLEGE PLACE | SYRACUSE | UNKNOWN |
| NYD986904498 | SYRACUSE CITY OF THORNDEN PARK | OSTRUM MADISON S BEECH ST | SYRACUSE | 13210 |
| NYD987011061 | NYSDOT BIN 1064810 | HOMER INTER/OVER TIOUGHNIOGAR | SYRACUSE | 13202 |

| | | | | |
|---|---|---|---|---|
| NYD987040268 | ONONDAGA, COUNTY OF, DEPT OF TRANSPORTAT | MALTBIC ST | SYRACUSE | 13202 |
| NYN00007A266 | ONONDAGA CO. HEALTH DEPT. | TOWNSEND STREET | SYRACUSE | UNKNOWN |
| NYN00007A267 | ACTION CLEANERS | P O BOX 6368 | SYRACUSE | UNKNOWN |
| NYP000825850 | MARINE MIDLAND BANK | 1 MARINE MIDLAND TOWER | SYRACUSE | UNKNOWN |
| NYP000857904 | ROCK WEST DEVELOPER INCORPORATED | FEDERAL STATION | SYRACUSE | UNKNOWN |
| NYP000862201 | CONSOLIDATED GAS TRANSMISSION CORP | | SYRACUSE | UNKNOWN |
| NYP000913418 | AGWAY PETROLEUM | VILLAGE MRK GAS STATION RT 11 | SYRACUSE | UNKNOWN |
| NYP000936971 | NIAGARA MOHAWK POWER CORP | MANHOLE 1213 | SYRACUSE | UNKNOWN |
| NYR000020313 | SYRACUSE CITY SCH DIST - CLARY MIDDLE | AMIDON DR & SAUNA ST 150 YDS W | SYRACUSE | 13205 |
| NYR000038315 | PEERLESS ENVIRONMENTAL CONTROL INC | 134 FAGE ST | SYRACUSE | UNKNOWN |
| NYR987036878 | NYSDOT | CR 381 I-81 | SYRACUSE | 13202 |

Chemical Bulk Storage Facilities

| FACILITY ID | FACILITY NAME | STREET | CITY | ZIP |
|---|---|---|---|---|
| 7-000018 | BORDEN INC. | P.O. BOX 2037 | SYRACUSE | 13220 |
| 7-000175 | CAMBRIDGE FILTER CORPORATION | P.O. BOX 4906 | SYRACUSE | UNKNOWN |

Wastewater Discharges

| FACILITY ID | FACILITY NAME | STREET | CITY | ZIP |
|---|---|---|---|---|
| NYU700046 | NIAGARA MOHAWK POWER CORP | | | UNKNOWN |
| NYU700053 | SYRACUSE (C) | RE:MEADOWBROOK DRAINAGE BASIN | SYRACUSE | UNKNOWN |

Air Releases

| FACILITY ID | FACILITY NAME | STREET | CITY | ZIP |
|---|---|---|---|---|
| 3606700040 | D SOUTHERDEN | FACTORY STREET & ROUTE 21 | SYRACUSE | 132200000 |
| 3606700121 | UNIV INN CONF CENTER | NO STREET ADDRESS | SYRACUSE | 13210 |
| 3606700213 | GAS COGENERATION | NO STREET ADDRESS | SYRACUSE | 132200000 |
| 3606700248 | CARVEL-ICE CREAM | 3780 BURTOKN ROAD | SYRACUSE | 132200000 |

## Hazardous waste codes presented in individual Toxic Information Profiles are defined below.

B001 PCB Oil (concentrated) from transformers, capacitors, etc.

B002 Petroleum oil or other liquid containing 50 ppm or greater of PCBs but less than 500 ppm PCBs. This includes oil from electrical equipment whose PCB concentration is unknown, except for circuit breakers, reclosers and cable.

B003 Petroleum oil or other liquid containing 500 ppm or greater of PCBs.

B004 PCB Articles containing 50 ppm or greater of PCBs but less than 500 ppm PCBs excluding, small capacitors. This includes oil filled electrical equipment whose PCB concentration is unknown, except for circuit breakers, reclosers and cable

B006 PCB Transformers. "PCB Transformers" means any transformer that contains 500 ppm PCB or greater.

B007 Other PCB Wastes including contaminated soil, solids, sludges, clothing, rags, and dredge material.

D001 Solid waste that exhibits the characteristic of ignitability, but is not listed under any other hazardous waste code.

D002 Solid waste that exhibits the characteristic of corrosivity, but is not listed under any other hazardous waste code.

D006 Cadmium

D007 Chromium

D008 Lead

D009 Mercury

F001 The following spent halogenated solvents used in degreasing: Tetrachloroethylene, trichloroethylene, methylene chloride, 1,1,1-trichloroethane, carbon tetrachloride, and chlorinated fluorocarbons; all spent solvent mixtures/blends used in degreasing containing, before use, a total of ten percent or more (by volume) of one or more of the above halogenated solvents or those solvents listed in F002, F004, and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures. (T)

F002 The following spent halogenated solvents: Tetrachloroethylene, methylene chloride, trichloroethylene, 1,1,1-trichloroethane, chlorobenzene, 1,1,2-trichloro-1,2,2-trifluoroethane, ortho-dichlorobenzene, trichlorofluoromethane, and 1,1,2-trichloroethane; all spent solvent mixtures/blends containing, before use, a total of ten percent or more (by volume) of one or more of the above halogenated solvents or those listed in F001, F004, or F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures. (T)

F003 The following spent non-halogenated solvents: Xylene, acetone, ethyl acetate, ethyl benzene, ethyl ether, methyl isobutyl ketone, n-butyl alcohol, cyclohexanone, and methanol; all spent solvent mixtures/blends containing, before use, only the above spent non-halogenated solvents; and all spent solvent mixtures/blends containing, before use, one or more of the above non-halogenated solvents, and, a total of ten percent or more (by volume) of one or more of those solvents listed

in F001, F002, F004, and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures. (I)*

F006 Wastewater treatment sludges from electroplating operations except from the following processes: (1) Sulfuric acid anodizing of aluminum; (2) tin plating on carbon steel; (3) zinc plating (segregated basis) on carbon steel; (4) aluminum or zinc-aluminum plating on carbon steel; (5) cleaning/stripping associated with tin, zinc and aluminum plating on carbon steel; and (6) chemical etching and milling of aluminum. (T)

U080 Methane, dichloro-

Source: U. S. Environmental Protection Agency

# How Toxic Site Locations Are Mapped

*Toxics Targeting* maps toxic site locations on a computerized version of the U. S. Census map using addresses and map coordinates provided by site owners/operators or government agencies. In order to allow site locations to be verified independently, the information used to map each site is presented in the first section of each *Toxic Site Profile,* along with a description of the mapping technique used and any address corrections that were made in order to locate toxic sites with incomplete or inadequate site location information. The mapping process is explained below.

Map Identification Number: 12 Site Name: Acme World Manufacturing, Inc.

Site Address: 55 Main Street Anytown, NY 11797

MAP LOCATION INFORMATION

Site location mapped by:

Address Matching

**1)** Most toxic sites are mapped by matching addresses provided by site owners/operators or government agencies with locations on a computerized version of the U. S. Census map. These site locations are identified "address-matched."

*Note: Some sites have an address match location <u>and</u> a map coordinate location. Both locations are mapped because they can be equally correct.*

or Map Coordinate

**2)** Some toxic sites are located using map coordinates provided by site owners/operators or governnent agencies. These site locations are identified "map coordinate." <u>Map coordinates for Toxics Wastewater Discharges, Toxic Release Inventory sites and Major Oil Storage Facilities should be considered suspect</u> .

or Manual Mapping

or Site Visit

**3)** Incomplete addresses or map coordinates require some site locations to be determined by commercial street maps (manual mapping), site visits, map coordinates from other databases and address location services. Application of any of these methods is identified accordingly.

ADDRESS CHANGE INFORMATION

Revised Street: NO CHANGE

Revised zip code: NO CHANGE

**4)** Site addresses are sometimes corrected to eliminate obvious errors that prevent sites from being mapped. All address corrections are noted here.

# Information Source Guide

*Toxics Targeting's Environmental Reports* contain government and other information compiled on 18 categories of reported known or potential toxic sites. Each toxic site database is described below with information detailing a) the source of the information, b) the date when each database is covered to and c) when *Toxics Targeting* obtained the information..

1) **National Priority List for Federal Superfund Cleanup:** Toxic sites nominated for cleanup under the Federal Superfund program. Annual compilation of special two-page detailed profiles of NPL sites. Also includes delisted NPL sites.
ASTM required.* Fannie Mae required.** Source: U. S. Environmental Protection Agency.[1]
Data attributes updated from: 3/14/2007. Data obtained by Toxics Targeting: 3/14/2007.
New Facilities updated through: 3/14/2007. Data obtained by Toxics Targeting: 3/14/2007.

2) **Inactive Hazardous Waste Disposal Site Registry**: New York State database that maintains information and aids decision making regarding the investigation and cleanup of toxic sites. The Registry's data includes two-page profiles noting site name, ID number, description, classification, cleanup status, types of cleanup, owner information, types and quantities of contaminants, and assessment of health and environmental problems. Also included are sites that qualify for possible inclusion on the Registry. These Registry Qualifying sites may or may not be on the Site Registry.
ASTM required.* Fannie Mae required.** Source: New York State Department of Environmental Conservation.[2]
Data attributes updated through: 2/05/2008. Data obtained by Toxics Targeting: 2/06/2008.
New Facilities updated to: 2/05/2008. Data obtained by Toxics Targeting: 2/06/2008.

3) **Corrective Action Activity (CORRACTS):** U. S. Environmental Protection Agency database of hazardous facilities regulated pursuant to the Resource Conservation and Recovery Act (RCRA).
ASTM required.* Fannie Mae required.** Source: U. S. Environmental Protection Agency[1]
Data attributes updated through: 6/6/2006. Data obtained by Toxics Targeting: 6/16/2006.
New facilities updated through: 6/6/2006. Data obtained by Toxics Targeting: 6/16/2006.

4) **CERCLIS**: Toxic sites listed in the Federal Comprehensive Environmental Response, Compensation and Liability Information System. No Further Remedial Action Planned (NFRAP) sites are also included.
ASTM required.* Fannie Mae required.** Source: U. S. Environmental Protection Agency.[1]
Data attributes updated through: 3/07/2007. Data obtained by Toxics Targeting: 3/26/2007.
New Facilities updated through: 3/07/2007. Data obtained by Toxics Targeting: 3/26/2007.

5) **Brownfield Programs:** NYS programs for sites that are abandoned, idled or under-used industrial and/or commercial sites where expansion or redevelopment is complicated by real or perceived environmental contamination.
ASTM required.* Source: New York State Department of Environmental Conservation.[2]
Data attributes updated through: 2/05/2008. Data obtained by Toxics Targeting: 2/06/2008.
New Facilities updated to: 2/05/2008. Data obtained by Toxics Targeting: 2/06/2008.

(a) Brownfield Cleanup Program (BCP)
(b) Voluntary Cleanup Program (VCP)
(c) Environmental Restoration Program (ERP)

6) **Solid Waste Facilities:** NYS database of solid waste facilities, including, but not limited to, landfills, incinerators, transfer stations, recycling centers.
ASTM required.* Fannie Mae required.** Source: New York State Department of Environmental Conservation.[2]
Data updated to: 12/31/2001. Data obtained by Toxics Targeting: 3/16/2002.

7) **RCRA Hazardous Waste Treatment, Storage or Disposal Facility Databases:**

(a) **Manifest Information:** New York State database of hazardous waste facilities and shipments regulated by the DEC's Bureau of Hazardous Waste Facility Compliance pursuant to NYS Law and the Resource Conservation and Recovery Act (RCRA).
ASTM required.* Fannie Mae required.** Source: New York State Department of Environmental Conservation.[2]

New facilities updated through: 7/6/2006. New facilities obtained by Toxics Targeting: 7/10/2006.
Manifest transactions data updated to: 7/6/2006. Manifest transactions data obtained by Toxics Targeting: 7/10/2006.

(b) **RCRA Notifier & Violations Information:** U. S. Environmental Protection Agency database of hazardous facilities regulated pursuant to the Resource Conservation and Recovery Act (RCRA).
ASTM required.* Fannie Mae required.** Source: U. S. Environmental Protection Agency[1]
New facilities updated through: 6/6/2006. Data obtained by Toxics Targeting: 6/16/2006.
Data attributes updated through: 6/6/2006. Data obtained by Toxics Targeting: 6/16/2006.

8) **Spills Information Database**: Spills reported to the DEC as required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from Petroleum Bulk Storage Regulations) or 6 NYCRR Section 595.2 (from Chemical Bulk Storage Regulations). The database includes *active* and *closed* spills reported on or before 10/01/2007.
ASTM required.* Fannie Mae.** Source: NYS Department of Environmental Conservation.[2]

Spill attribute data through: 02/05/2008 New spills through: 10/01/2007

Active spills: paperwork not completed. Closed spills: paperwork completed.
Both active and closed spills may or may not have been cleaned up (see Date Cleanup Ceased in spill profiles).

9) **Major Oil Storage Facilities:** NYS database of facilities licensed pursuant The to Article 12 of the Navigation Law, 6NYCRR Parts 610 and 17NYCRR Part 30, such as onshore facilities or vessels, with petroleum storage capacities equal to or greater than four hundred thousand gallons. **Data withheld by the NYSDEC as of 4/1/2002**.
ASTM required.* Fannie Mae required.** Source: New York State Department of Environmental Conservation.[2]

New facilities updated through: 1/1/2002. New facilities data obtained by Toxics Targeting: 1/11/2002.
Tank data updated through: 1/1/2002. Tank data obtained by Toxics Targeting: 1/11/2002.

10) **Petroleum Bulk Storage Facilities:** Local and State databases of aboveground and underground petroleum storage facilities with a combined storage capacity over 1,100 gallons.
ASTM required.* Fannie Mae required.** Source: NYS Department of Environmental Conservation.[2]

All New York Counties except Cortland, Nassau, Rockland, Suffolk, and Westchester:
New facilities updated through: 4/2/2007. Data obtained: 4/5/2007.
Individual tank data updated through: 4/2/2007. Data obtained by Toxics Targeting: 4/5/2007.

Cortland County:
Source: Cortland County Health Department[7]
Data updated through: 7/15/2004 Data obtained by Toxics Targeting: 7/23/2004

Nassau County:
Heat producing products and other products with less than 1,000 gallons storage capacity:
Source: Nassau County Department of Health.[3]
Data updated through: 4/1/2001. Data obtained by Toxics Targeting: 1/2/2002.

Generally non-heat producing products with more than 1,000 gallons storage capacity:
Source: Nassau County Fire Marshall.[4]
Data updated through: 9/27/1996 for mapped sites; 03/21/2000 for on-site checks.

Rockland County:
Source: Rockland County Department of Health.[5]
Data updated through: 4/13/2004. Data obtained by Toxics Targeting: 4/16/2004.

Suffolk County:
Source: Suffolk County Department of Health Services.[6]
Data updated through: 6/21/2005. Data obtained by Toxics Targeting: 7/12/2006.

Westchester County:
Source: NYS Department of Environmental Conservation.[2]
Data updated through: 10/1/1998

11) **RCRA Hazardous Waste Generators and/or Transporters Databases:**

(a) **Manifest Information:** New York State database of hazardous waste facilities and shipments regulated by the NYS Department of Environmental Conservation's Bureau of Hazardous Waste Facility Compliance pursuant to New York State Law.
ASTM required.* Fannie Mae required.** Source: New York State Department of Environmental Conservation.[2]

New facilities updated through: 7/6/2006. New facilities obtained by Toxics Targeting: 7/10/2006.
Manifest transactions data updated to: 7/6/2006. Manifest transactions data obtained by Toxics Targeting: 7/10/2006.

(b) **RCRA Notifier & Violations Information:** U. S. Environmental Protection Agency database of hazardous facilities regulated pursuant to the Resource Conservation and Recovery Act (RCRA).
ASTM required.* Fannie Mae required.** Source: U. S. Environmental Protection Agency[1]

New facilities updated through: 6/6/2006. Data obtained by Toxics Targeting: 6/16/2006.
Data attributes updated through: 6/6/2006. Data obtained by Toxics Targeting: 6/16/2006.

12) **Chemical Bulk Storage Facilities**: New York State database of facilities compiled pursuant to 6NYCRR Part 596 that store regulated substances listed in 6NYCRR Part 597 in aboveground tanks with capacities greater than 185 gallons and /or in underground tanks of any size. **Data withheld by NYSDEC as of 4/1/2002**.
ASTM required.* Fannie Mae required.** Source: New York State Department of Environmental Conservation.[2]
Data updated through: 1/1/2002. Data obtained by Toxics Targeting: 1/11/2002.

13) **Hazardous Substance Waste Disposal Site Study:** NYS database of waste disposal sites that may pose threats to public health or the environment, but could not be remediated using monies from the Hazardous Waste Remedial Fund.
Source: New York State Department of Environmental Conservation.[2]
Data updated to: 5/16/2000. Data obtained by Toxics Targeting: 5/16/2000.

14) **Toxic Release Inventory (TRI)**: Federal database of manufacturing facilities required under Section 313 of the Federal Emergency Planning and Community Right-to-Know Act to report releases to the air, water and land of any specifically listed toxic chemical. See Fannie Mae requirement** below.
Source: U. S. Environmental Protection Agency.[1] / NYS Department of Environmental Conservation[2]
Data updated through: 3/8/2004. Data obtained by Toxics Targeting: 3/25/2004

15) **Toxic Wastewater Discharges (Permit Compliance System)**: Federal database of discharges of wastewater to surface waters and groundwaters. See Fannie Mae requirement** below. Source: U. S. Environmental Protection Agency.[1]
Data updated through: 6/17/2004. Data obtained by Toxics Targeting: 7/19/2004.

16) **Air Discharge Facilities**: EPA AIRS database containing address information on each air emission facility and the type of air pollutant emission it is. Compliance information is also provided on each pollutant as well as the facility itself.
See Fannie Mae requirement** below. Source: U. S. Environmental Protection Agency[1]
Data updated through: 11/24/1999. Data obtained by Toxics Targeting: 1/6/2000

17) **Civil Enforcement & Administrative Docket**: This database is the U. S. EPA's system for tracking administrative and civil judiciary cases filed on behalf of the agency by the Department of Justice. Fannie Mae required.**
Source: U. S. Environmental Protection Agency.[1]
New Sites through: 10/14/1999.
Data updated through: 10/14/1999. Data obtained by Toxics Targeting: 11/18/1999.

18) **Emergency Response Notification System (ERNS)**: Federal database of spills compiled by the Emergency Response Notification System. On-site searches only.
ASTM required.* See Fannie Mae requirement** below. Source: U. S. Environmental Protection Agency.[1]
Data updated through: 1/31/2000. Data obtained by Toxics Targeting: 2/15/2000

* American Society of Testing Materials: Standard Practice on Environmental Site Assessments: Phase I Environmental Site Assessment Process (E1527-05).

** Fannie Mae's Part X Environmental Hazards Management Procedures specify 1.0 mile searches for "any state or Federal list of hazardous waste sites (e.g. CERCLIS, HWDMS etc.)." Searches for the property and adjacent properties are specified for "chemical manufacturing plants," "obvious high risk neighbors engaging in storing or transporting hazardous waste, chemicals or substances" and "...any documented or visible evidence of dangerous waste handling... (e.g. stressed vegetation, stained soil, open or leaking containers, foul fumes or smells, oily ponds, etc." Searches for property and adjacent properties can include sites up to a quarter mile away (W. Hayward, Director, Multi-Family Business Planning and Control, Fannie Mae, personal communication, 5/94).

[1]U. S. Environmental Protection Agency, 290 Broadway, NY, NY 10007-1866.

[2]NYS Department of Environmental Conservation, 625 Broadway, Albany, NY 12233.

[3]Nassau County Department of Health, Bureau of Land Resources Management, 240 Old Country Road, Mineola, NY 11501.

[4]Nassau County Fire Commission, Office of the Fire Marshall, 899 Jerusalem Avenue, P. O. Box 128, Uniondale, NY 11553.

[5]Rockland County Department of Health, The Dr. Robert Yeager Health Center, Building D, Sanitorium Road, Pomona, NY 10970.

[6]Suffolk County Department of Health, Hazardous Materials Management, 15 Horseblock Place, Farmingville, NY 11738-1220.

[7]Cortland County Department of Health, 60 Central Avenue, Cortland, NY 13045-2746

# Appendix C

# APPENDIX C

# GROUNDWATER ELEVATION DATA

# TABLE C-1
# McKINNEY PROPERTY SITE
# SITE INVESTIGATION REPORT
# WATER LEVEL MEASUREMENT SUMMARY

| WELL | GROUND ELEVATION (ft MSL) | REFERENCE ELEVATION (ft MSL) | TOP OF SCREEN (ft BG) | BOTTOM SCREEN (ft BG) | DATE | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 2/20/2008 | | | 3/6/2008 | | | 3/13/2008 | | | 3/19/2008 | | | 3/28/2008 | | |
| | | | | | DTW | DTP | ELEV | DTW | DTP | ELEV | DTW | DTP | ELEV | DTW | DTP | ELEV | DTW | DTP | ELEV |
| MW-1 | 402.97 | 402.73 | 12.00 | 22.00 | 9.55 | NP | 393.18 | 8.29 | NP | NA | 8.25 | NP | NA | 7.49 | NP | NA | 7.89 | NP | NA |
| MW-1A | 403.02 | 402.49 | 3.72 | 13.72 | NI | NI | NI | NI | NI | NI | NI | NI | NI | NI | NI | NI | NI | NI | NI |
| MW-2 | 403.67 | 403.16 | 10.25 | 20.25 | 4.94 | NP | 398.22 | 5.93 | NP | NA | 5.57 | NP | NA | 4.96 | NP | NA | 5.32 | NP | NA |
| MW-2A | 403.31 | 402.87 | 2.92 | 12.92 | NI | NI | NI | NI | NI | NI | NI | NI | NI | NI | NI | NI | NI | NI | NI |
| MW-3 | 403.37 | 404.94 | 9.50 | 19.50 | 9.22 | 5.95 | 395.72 | 9.20 | 5.43 | NA | 6.30 | 5.60 | NA | 5.67 | Sheen | NA | 7.17 | 5.89 | NA |
| MW-3A | 403.54 | 403.01 | 2.35 | 12.35 | NI | NI | NI | NI | NI | NI | NI | NI | NI | NI | NI | NI | NI | NI | NI |
| MW-4 | 402.20 | 401.97 | 3.00 | 13.00 | NI | NI | NI | 4.92 | NP | 397.05 | 4.35 | NP | 397.62 | 5.40 | NP | 396.57 | 4.40 | NP | 397.57 |
| MW-5 | 402.51 | 402.18 | 3.00 | 13.00 | NI | NI | NI | 2.55 | NP | 399.63 | 2.58 | NP | 399.60 | 2.58 | NP | 399.39 | 2.41 | NP | 399.56 |
| MW-6 | 402.35 | 402.15 | 3.00 | 13.00 | NI | NI | NI | 3.25 | NP | 398.90 | 2.61 | NP | 399.54 | 2.53 | NP | 399.44 | 2.74 | NP | 399.41 |
| MW-7 | 403.32 | 403.00 | 4.00 | 14.00 | NI | NI | NI | 4.00 | NP | 399.00 | 3.84 | NP | 399.16 | 2.61 | NP | 400.39 | 3.02 | NP | 399.98 |
| MW-8 | 402.10 | 401.67 | 5.00 | 15.00 | NI | NI | NI | NI | NI | NI | NI | NI | NI | NI | NI | NI | NI | NI | NI |

| WELL | GROUND ELEVATION (ft MSL) | REFERENCE ELEVATION (ft MSL) | TOP OF SCREEN (ft BG) | BOTTOM SCREEN (ft BG) | DATE | | | DATE | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 3/29/2010 | | | 10/7/2010 | | |
| | | | | | DTW | DTP | ELEV | DTW | DTP | ELEV |
| MW-1 | 402.97 | 402.73 | 12.00 | 22.00 | 7.52 | NP | 395.21 | DC | DC | DC |
| MW-1A | 403.02 | 402.49 | 3.72 | 13.72 | NI | NI | NI | 3.44 | NI | 399.05 |
| MW-2 | 403.67 | 403.16 | 10.25 | 20.25 | 5.10 | NP | 398.06 | DC | DC | DC |
| MW-2A | 403.31 | 402.87 | 2.92 | 12.92 | NI | NI | NI | 3.74 | NI | 399.13 |
| MW-3 | 403.37 | 404.94 | 9.50 | 19.50 | 8.23 | 6.85 | 396.71 | DC | DC | DC |
| MW-3A | 403.54 | 403.01 | 2.35 | 12.35 | NI | NI | NI | 3.02 | NI | 399.99 |
| MW-4 | 402.20 | 401.97 | 3.00 | 13.00 | 5.02 | NP | 396.95 | 4.74 | NP | 397.23 |
| MW-5 | 402.51 | 402.18 | 3.00 | 13.00 | 3.95 | NP | 398.23 | 3.84 | NP | 398.34 |
| MW-6 | 402.35 | 402.15 | 3.00 | 13.00 | 4.48 | NP | 397.67 | 2.65 | NP | 399.50 |
| MW-7 (1) | 403.32 | 403.00 | 4.00 | 14.00 | NA | NA | NA | 3.12 | NP | 399.88 |
| MW-8 | 402.10 | 401.67 | 5.00 | 15.00 | 4.83 | NP | 398.17 | 5.41 | NP | 397.59 |

NOTES:

Groundwater elevations not corrected for product density

ft MSL - feet above mean sea level.

ft BG - feet below ground.

DTW - depth to water in feet relative to top of well casing.

DTP - depth to product in feet relative to top of well casing.

(1) - monitoring well re-surveyed on September 28, 2010
due to damage which occurred during building demolition activities

ELEV - groundwater elevation in feet above mean sea level.

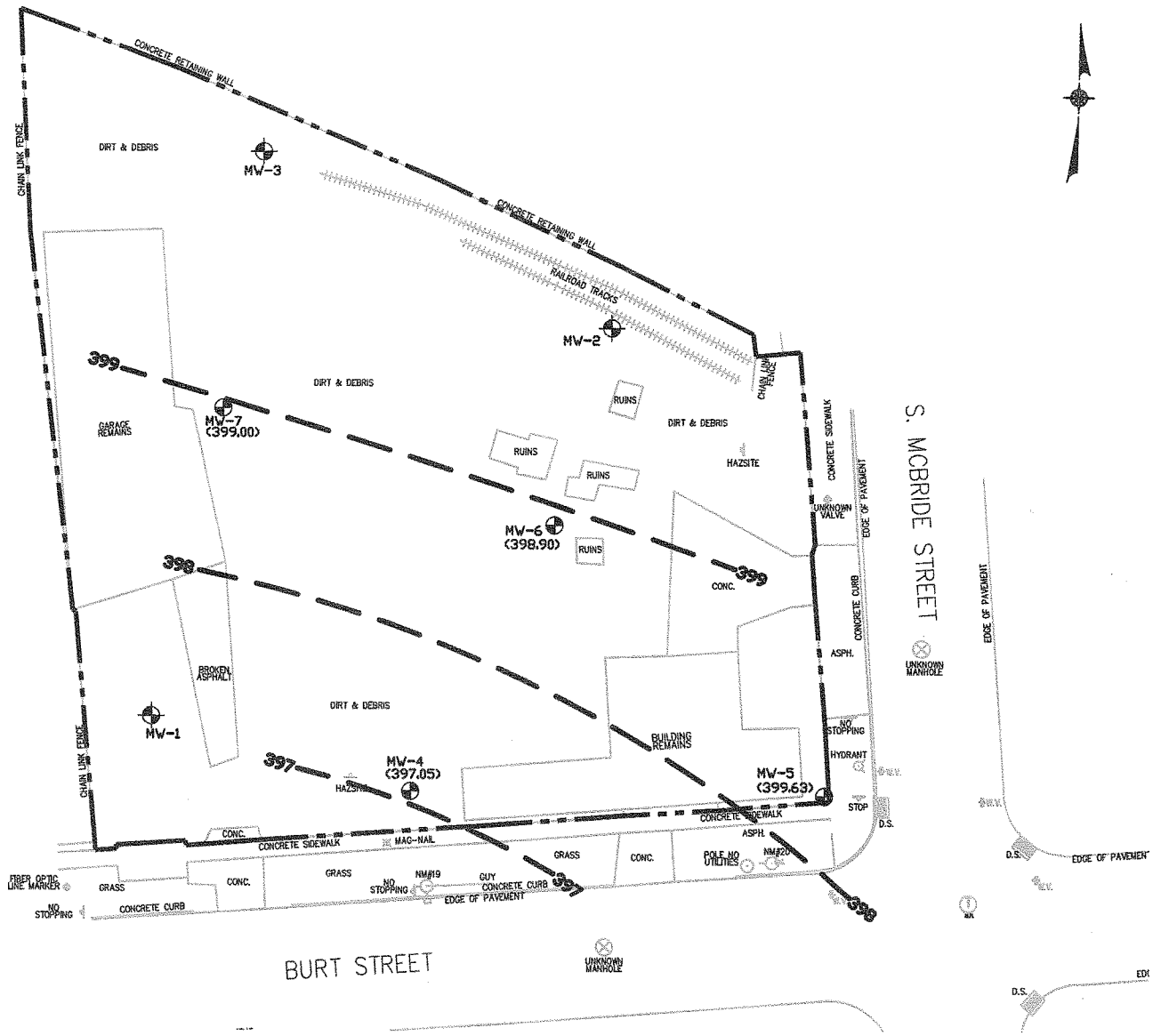
NA - not applicable

NI - not installed

NP - none present

DC - monitoring well decommissioned

Construction details for MW-1, MW-2, and MW-3
based on information contained in SWRNA Site Investigation Report




## LEGEND:

- SITE BOUNDARY
- MW-1 MONITORING WELL (INSTALLED 12/02)
- MW-4 MONITORING WELL (WATER TABLE ELEVATION)
- GROUNDWATER ELEVATION COUNTOUR

## NOTES:

ELEVATIONS IN FEET ABOVE MEAN SEA LEVEL

0 40

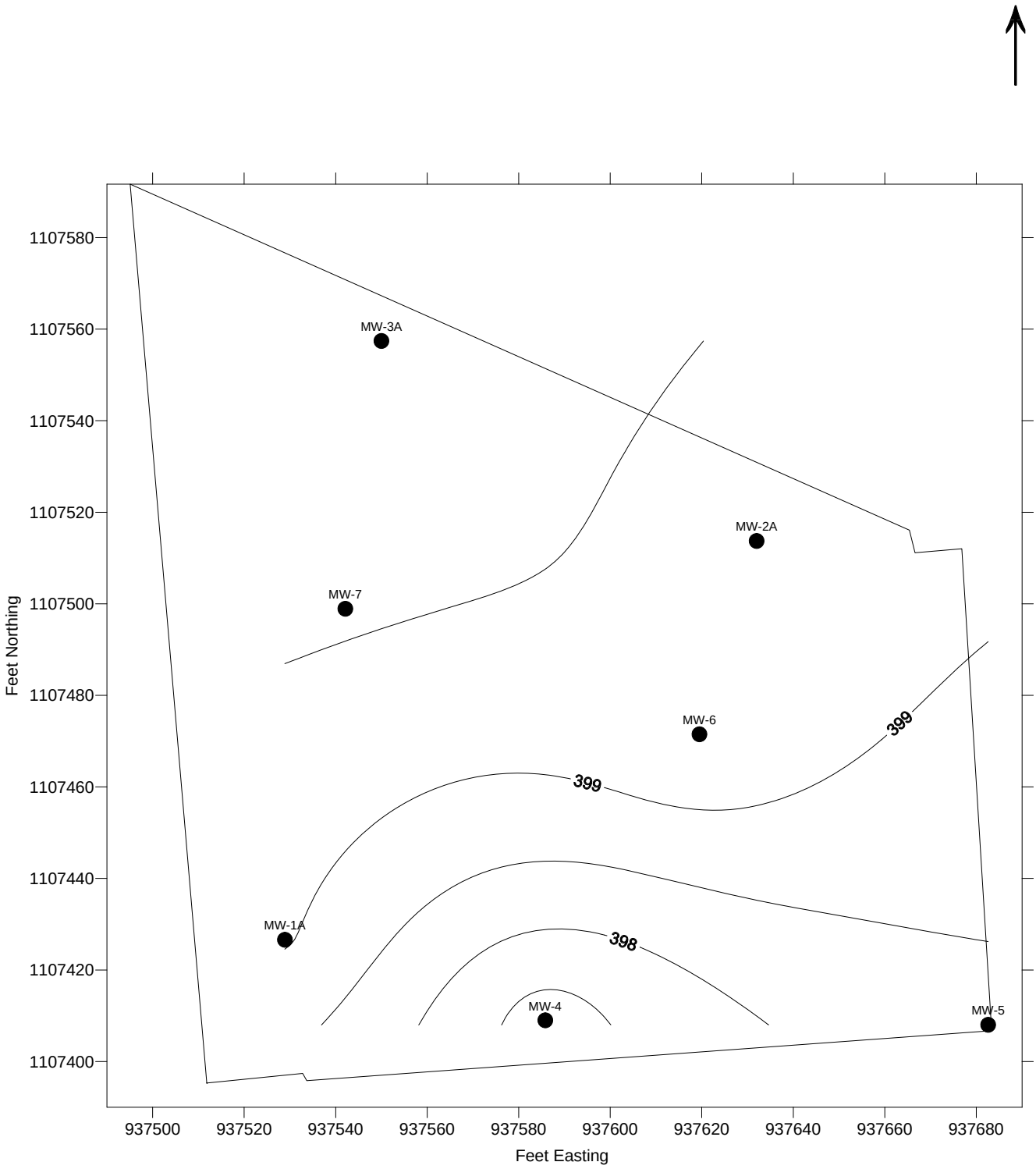
SCALE IN FEET

Dvirka and Bartilucci CONSULTING ENGINEERS
A DIVISION OF WILLIAM F. COSULICH ASSOCIATES, P.C.

SYRACUSE HOUSING AUTHORITY
McKINNEY PROPERTY SITE

# WATER TABLE SURFACE ELEVATION MAP
# MARCH 6, 2008

APPENDIX C




**SYRACUSE HOUSING AUTHORITY**
**McKINNEY PROPERTY SITE**

**WATER TABLE SURFACE ELEVATION MAP**
**OCTOBER 7, 2010**

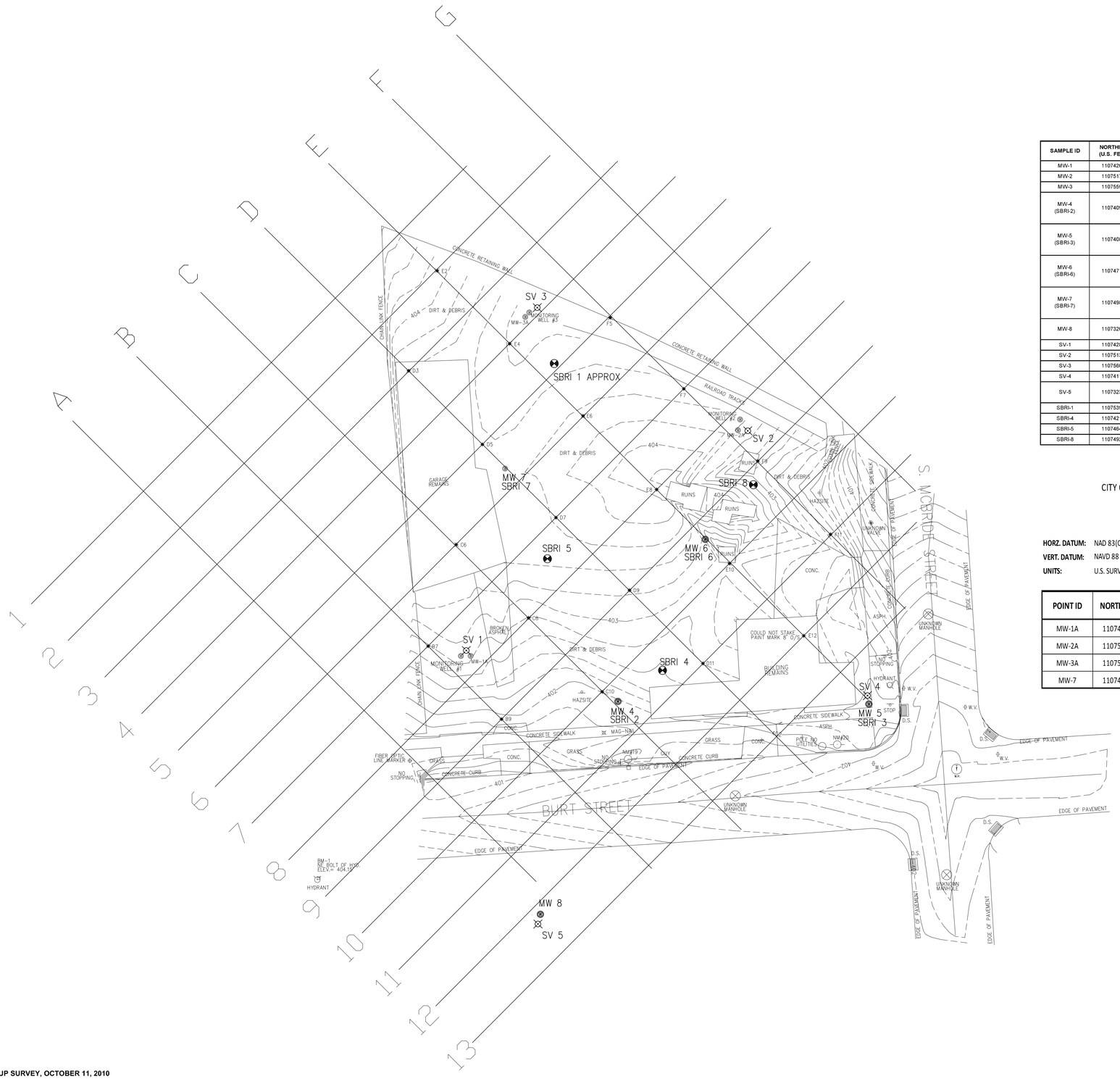
**APPENDIX C**

Dvirka and Bartilucci Consulting Engineers
A DIVISION OF WILLIAM F. COSULICH ASSOCIATES, P.C.

# Appendix D

# APPENDIX D

# SURVEY RESULTS




SCALE: 1" = 20'

10 0 10 20 30 FT

**2576 McKinney Property Site**

**SAMPLE TABLE**

| SAMPLE ID | NORTHING (U.S. FEET) | EASTING (U.S. FEET) | ELEVATION (U.S. FEET) | DESCRIPTION |
|---|---|---|---|---|
| MW-1 | 1107426.6 | 937525.2 | 402.97 | CASE |
| MW-2 | 1107517.8 | 937632.9 | 403.67 | CASE |
| MW-3 | 1107559.1 | 937551.6 | 405.07 | CASE |
| MW-4 (SBRI-2) | 1107409.0 | 937585.8 | 402.20 | GROUND |
| | | | 402.30 | CASE |
| | | | 401.97 | RISER |
| MW-5 (SBRI-3) | 1107408.0 | 937682.6 | 402.51 | GROUND |
| | | | 402.51 | CASE |
| | | | 402.18 | RISER |
| MW-6 (SBRI-6) | 1107471.5 | 937619.5 | 402.35 | GROUND |
| | | | 402.55 | CASE |
| | | | 402.15 | RISER |
| MW-7 (SBRI-7) | 1107498.9 | 937542.1 | 403.32 | GROUND |
| | | | 403.42 | CASE |
| | | | 403.00 | RISER |
| MW-8 | 1107326.9 | 937555.8 | 402.10 | CASE |
| | | | 401.67 | RISER |
| SV-1 | 1107428.7 | 937527.2 | 403.07 | CASE |
| SV-2 | 1107513.4 | 937635.8 | 403.40 | CASE |
| SV-3 | 1107560.9 | 937554.6 | 403.37 | CASE |
| SV-4 | 1107411.3 | 937682.0 | 402.45 | CASE |
| SV-5 | 1107323.2 | 937554.9 | 402.11 | GROUND |
| | | | 402.19 | CASE |
| SBRI-1 | 1107539.4 | 937561.2 | 402.8 | GROUND (APPROX. - NO FLAG FOUND) |
| SBRI-4 | 1107421.0 | 937603.0 | 402.5 | GROUND |
| SBRI-5 | 1107464.1 | 937558.6 | 403.2 | GROUND |
| SBRI-8 | 1107492.6 | 937638.0 | 402.6 | GROUND |

## 2576 MCKINNEY PROPERTY SITE

CITY OF SYRACUSE, ONONDAGA COUNTY, NEW YORK

**WELLS LOCATED 9-28-2010**

**HORZ. DATUM:** NAD 83(CORS) - NEW YORK STATE PLANE COORDINATE SYSTEM, EAST ZONE

**VERT. DATUM:** NAVD 88

**UNITS:** U.S. SURVEY FEET

| POINT ID | NORTHING | EASTING | GROUND ELEV. | CASING ELEV. | RISER ELEV. |
|---|---|---|---|---|---|
| MW-1A | 1107426.6 | 937528.9 | 403.02 | 403.02 | 402.49 |
| MW-2A | 1107513.7 | 937632.0 | 403.31 | 403.31 | 402.87 |
| MW-3A | 1107557.4 | 937550.0 | 403.54 | 403.54 | 403.01 |
| MW-7 | 1107498.9 | 937542.2 | 403.36 | 403.36 | 403.08 |

**SOURCE: POPLI DESIGN GROUP SURVEY, OCTOBER 11, 2010**

Dvirka and Bartilucci CONSULTING ENGINEERS
A DIVISION OF WILLIAM F. COSULICH ASSOCIATES, P.C.

**SYRACUSE HOUSING AUTHORITY**
**McKINNEY PROPERTY SITE**

# SITE FEATURES AND TOPOGRAPHIC SURVEY

**APPENDIX D**

F:\2576\sample location and survey\327901_3DM_Updated\0_11_10.DWG Layout1 12/9/2010 10:17:07 AM dbradd

# Appendix E

# APPENDIX E

# GEOPHYSICAL SURVEY REPORT

ADVANCED GEOLOGICAL SERVICES

3 Mystic Lane
Malvern, PA19355
(610) 722-5500 (ph.)
(610) 722-0250 (fax)

April 28, 2010

Dvirka and Bartilucci Consulting Engineers
5879 Fisher Road, P.O. Box 56
East Syracuse, New York

**Subject**: Geophysical Investigation Results
McKinney Property Site
Syracuse, New York

Mr. James Magda:

Advanced Geological Services (AGS) presents this letter report to Divirka and Bartilucci Consulting Engineers of East Syracuse, New York detailing the methods and results of the geophysical investigation conducted at the McKinney property located at the intersection of Burt Street and McBride Street. The objectives of the investigation were to locate and identify potential Underground Storage Tanks (USTs) and potential utilities entering the site. The area of the investigation included an area having the approximate dimensions of 160 feet long by 75 feet wide located in the southern portion of the property (Figure 1). The field activities for this geophysical investigation were conducted by AGS on March 23, 2010.

**Methods**

To meet the objectives of the investigation, AGS used the Electromagnetic (EM), ground penetrating radar (GPR) and radio frequency (RF) methods. AGS collected EM data across the entire survey area. To accurately locate each EM data point a Global Positioning System (GPS) measurement was recorded and stored with each EM data point. EM data points were continuously collected in an S shaped grid pattern with an approximate line spacing of 5 feet. Each area, with a higher than background EM response, was thoroughly surveyed with the GPR instrument. The survey area was thoroughly scanned with the RF instrument. Additionally several long GPR profiles were collected along McBride Street and Burt Street to identify other potential utilities entering the site not identified using the other methods. All identified subsurface features were marked on the ground surface with spray paint using the standard American Public Works Association (APWA) color code.

**Terrain Conductivity Electromagnetic (EM) Method**

The terrain conductivity method uses the principle of electromagnetic induction to measure the variability of terrain conductivity of subsurface materials. When significant contrasts in the electrical properties between non-indigenous materials and surrounding soil are present, it is commonly possible to accurately delineate fill and buried metals. Historically frequency domain EM instruments were designed for mineral exploration and delineation of geologic features, more recent instruments, such as that used in this study, were designed for shallow exploration of man-made targets. The large EM response to metal makes this technique particularly well suited to identifying buried metal objects such as USTs, buried utilities or buried drums. However, it is equally sensitive to metal objects on the ground surface, as well as some naturally occurring geologic features.

A Geonics EM31 terrain conductivity EM instrument and a Trimble GPS system were used to collect frequency domain EM data. At each EM data collection point a GPS position was recorded and digitally stored with the EM data point. The EM31 operates in accordance with the theory of operation at low induction numbers. An alternating current is passed through the transmitter coil to produce a time alternating magnetic field that induces eddy currents into buried electrical conductors, like geologic units or metallic objects. These eddy currents generate a secondary magnetic field within the buried electrical conductor. A component of the induced magnetic field is then detected by a receiver coil and measured by the instrument. The signal received by the EM31 is often not completely in phase with the primary transmitted field, so the resulting magnetic field is recorded in both the real (quadrature) and imaginary (inphase) components by the EM31.

The quadrature response is displayed as the terrain conductivity response in units of milliSeimens per meter (mS/m). Laboratory tests indicate that the in-phase response is more susceptible to metallic objects. Generally the in-phase response to a metallic object is greater than the quadrature response to the same object at the same depth. The quadrature is sensitive to changes in the soil's conductivity, regardless if it caused by metallic objects. The in-phase is measured in parts per thousand (ppt). Both the quadrature and in-phase measurements are recorded on the internal data logger along with the grid location information. The EM31 instrument has a maximum depth of investigation of approximately 18 feet below the ground surface.

**Ground Penetrating Radar (GPR) Method**

The GPR method was used to confirm locations of utilities and identified features detected using the RF and EM methods, and to search for non-metallic utilities, such as fiberglass polyvinyl chloride or plastic piping. The GPR method is based upon the transmission of repetitive, radio-frequency EM pulses into the subsurface. When the transmitted energy of down-going wave contacts an interface of dissimilar electrical character, part of the energy is returned to the surface in the form of a reflected signal. This reflected signal is detected by a receiving transducer and is displayed on the screen of the GPR unit as well as being recorded on the internal hard-drive. The received GPR response remains constant as long as the electrical contrast between media is present and constant. Lateral or vertical changes in the electrical properties of the subsurface result in equivalent changes in the GPR responses. The system records a continuous image of the subsurface by plotting two-way travel time of the reflected EM pulse versus distance traveled along the ground surface. Two-way travel time values are then converted to depth using known soil velocity functions.

The GPR field procedures involved (1) instrument calibration, (2) test run completion, (3) production profile collection and recording, and (4) data storage for subsequent processing and analysis in the office. Each radar profile was examined for characteristic GPR signatures that may indicate the presence of buried targets. A Geophysical Survey System SIR System 3000 and a 400 megahertz antenna were used with a recording window of 60 nanoseconds to provide the required depth penetration and subsurface detail.

**Radio Frequency (RF) Utility Locating Method**

A Radiodetection RD400/PDL2 multi-frequency RF utility locating system was used for this project. This instrument consists of a receiver/tracer and a remote transmitter, which operates at frequencies ranging between 8 and 65 kilohertz. In addition, the receiver can be used in 60 hertz passive mode to identify active buried electrical lines. This utility tracing instrument provides audible and visual feedback to the operator when a utility that is coupled with the transmitted signal is crossed. The transmitter produces a radio-frequency signal in the utility to be traced by either induction coupling or direct hook-up. The receiver output provides measured field strength of the received signal and varies an audible pitch depending upon how far the utility is from the receiver. By carefully adjusting the gain of the receiver it is possible to determine the location of the utility and to separate it from adjacent utilities.

**Results**

A sketch map of the site with the contoured EM response and identified features is

shown on Figure 1.

AGS did not identify any USTs within the survey area. There were two areas (EMA1 and EMA2) with higher than background EM response within the survey area (Figure 1). Several GPR profiles were collected over EMA1, however no USTs were identified on the GPR profiles collected over this area. AGS was unable to identify the object or objects responsible for the elevated EM response in EMA1. For EMA2, AGS visually observed metallic objects and identified several sub-surficial metallic objects on the GPR profiles collected through this area. All other identified EM anomalies were associated with surficial metallic objects. Additionally, AGS collected numerous GPR profiles around the crusher support area because the on-site Divirka and Bartilucci Consulting Engineers representative indicated the potential for USTs around the crusher support area. AGS did not identify any USTs on either the EM or the GPR data sets within this area.

AGS traced a water line from McBride Street to the former builder foundation. AGS marked this utility with blue spray paint (Figure 1). Dig Safely New York marked the electric and communication lines along the sidewalks of McBride Street and Burnt Street, respectively.

**Closing**

AGS did not identify any USTs within the survey area. All identified features were marked on the ground surface with spray paint according to the APWA color code. AGS is not a licensed surveyor and all locations should be considered approximate. Throughout the field activities the field results of the investigation were discussed and reviewed with the on-site Dvirka and Bartilucci Consulting Engineers representative.

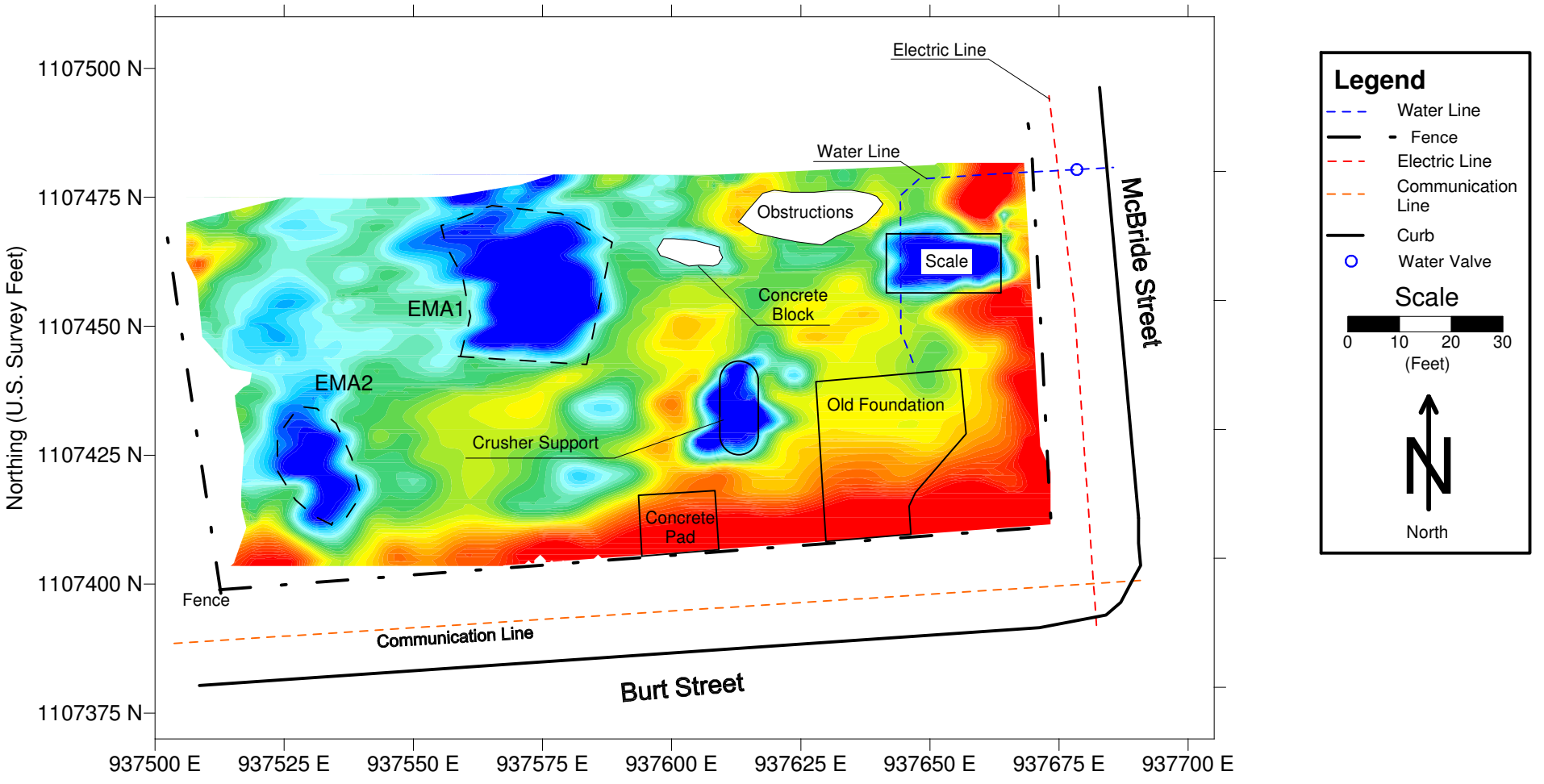
All geophysical data and field notes collected as a part of this investigation will be archived at the AGS office. The data collection and interpretation methods used in this investigation are consistent with standard practices applied to similar geophysical investigations. The correlation of geophysical responses with probable subsurface features is based on the past results of similar surveys although it is possible that some variation could exist at this site. Due to the nature of geophysical data, no guarantees can be made or implied regarding the presence or absence of additional objects or targets beyond those identified.

If you have any questions regarding the results of this field investigation, please contact me at 610-722-5500. It was a pleasure working with you on this project and we look forward to being able to provide you with sub-surface imaging services in the future.

Sincerely,

Christopher Call M.S.
Project Geophysicist, AGS

Encl. Figure 1 - Geophysical Results &
Identified Site Features




## Notes

1) A SIR System GPR unit by GSSI, a RF and an EM31were used for this survey. Data from these instruments were combined and correlated to locate buried anomalies.
2) AGS identified two areas with high EM responses, EMA1 and EMA2. AGS collected several GPR profiles over these two areas and did not identify any USTs in these areas.
3) All identified utilities were marked on the ground surface with spray paint according to the standard American Public Works Association (APWA) color code
4) All identified features were located using a Tremble GPS system. All positions are in the New York State Plane coordinate system with units in U.S. Survey Feet.
5) The field positions were not surveyed by a licensed surveyor and should be considered approximate.
6) The items shown on this figure may not be all inclusive. AGS does not warrant the fact that additional buried features/utilities may be present which could not be identified by AGS personnel during this investigation.

Date: April 28, 2010

**Figure 1**
**Contoured EM Results & Site Features**

McKinney Property
Dvirka and Bartilucci Consulting Engineers
Burt Street & McBride Street
Syracuse, New York

ADVANCED GEOLOGICAL SERVICES

# Appendix F

# APPENDIX F

# SIRs/COCs/SHIPPING RECORDS

Dvirka and Bartilucci
CONSULTING ENGINEERS
A DIVISION OF WILLIAM F. COSULICH ASSOCIATES, P.C.

Date: February 5, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** SSRI-1

**Field Sample I.D. Number** SSRI-1 (0-0.1) **Time** 1630

**Weather** Cloudy, some rain, wind 0-10 mph, humid **Temperature** Mid 40°s F

**Sample Type:**

**Groundwater** _____ **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** X **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** _____ **Measurement Method** _____

**Depth of Well** _____ **Measurement Method** _____

**Volume Removed** _____ **Removal Method** _____

**Field Test Results**

pH _____ Spec Cond (mS/cm) _____ Turbidity (NTUs) _____

Diss. Oxygen (mg/l) _____ Temperature $^{o}$C _____ Salinity (%) _____

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

Dvirka and Bartilucci
CONSULTING ENGINEERS
A DIVISION OF WILLIAM F. COSULICH ASSOCIATES, P.C.

Date: February 5, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** SSRI-1

**Field Sample I.D. Number** SSRI-1 (0.5-1.0) **Time** 1646

**Weather** Cloudy, some rain, wind 0-10 mph, humid **Temperature** Mid 40°s F

**Sample Type:**

**Groundwater** _____ **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** X **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** _____ **Measurement Method** _____

**Depth of Well** _____ **Measurement Method** _____

**Volume Removed** _____ **Removal Method** _____

**Field Test Results**

pH _____ Spec Cond (mS/cm) _____ Turbidity (NTUs) _____

Diss. Oxygen (mg/l) _____ Temperature $^{o}$C _____ Salinity (%) _____

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

Dvirka and Bartilucci
CONSULTING ENGINEERS
A DIVISION OF WILLIAM F. COSULICH ASSOCIATES, P.C.

Date: February 5, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** SSRI-1

**Field Sample I.D. Number** SSRI-1 (1.5-2.0) **Time** 1657

**Weather** Cloudy, some rain, wind 0-10 mph, humid **Temperature** Mid 40°s F

**Sample Type:**

**Groundwater** _____ **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** X **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** _____ **Measurement Method** _____

**Depth of Well** _____ **Measurement Method** _____

**Volume Removed** _____ **Removal Method** _____

**Field Test Results**

pH _____ Spec Cond (mS/cm) _____ Turbidity (NTUs) _____

Diss. Oxygen (mg/l) _____ Temperature $^{o}$C _____ Salinity (%) _____

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

Dvirka and Bartilucci
CONSULTING ENGINEERS
A DIVISION OF WILLIAM F. COSULICH ASSOCIATES, P.C.

Date: February 5, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** SSRI-2

**Field Sample I.D. Number** SSRI-2 (0-0.1) **Time** 1105

**Weather** Cloudy, some rain, wind 0-10 mph, humid **Temperature** Mid 40°s F

**Sample Type:**

**Groundwater** _____ **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** X **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** _____ **Measurement Method** _____

**Depth of Well** _____ **Measurement Method** _____

**Volume Removed** _____ **Removal Method** _____

**Field Test Results**

pH _____ Spec Cond (mS/cm) _____ Turbidity (NTUs) _____

Diss. Oxygen (mg/l) _____ Temperature $^{o}$C _____ Salinity (%) _____

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

Dvirka and Bartilucci
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Date: February 5, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** SSRI-2

**Field Sample I.D. Number** SSRI-2 (0.5-1.0) **Time** 1130

**Weather** Cloudy, some rain, wind 0-10 mph, humid **Temperature** Mid 40°s F

**Sample Type:**

**Groundwater** _____ **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** X **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** _____ **Measurement Method** _____

**Depth of Well** _____ **Measurement Method** _____

**Volume Removed** _____ **Removal Method** _____

**Field Test Results**

pH _____ Spec Cond (mS/cm) _____ Turbidity (NTUs) _____

Diss. Oxygen (mg/l) _____ Temperature $^{o}$C _____ Salinity (%) _____

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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Date: February 5, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** SSRI-2

**Field Sample I.D. Number** SSRI-2 (1.5-2.0) **Time** 1203

**Weather** Cloudy, some rain, wind 0-10 mph, humid **Temperature** Mid 40°s F

**Sample Type:**

**Groundwater** _____ **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** X **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** _____ **Measurement Method** _____

**Depth of Well** _____ **Measurement Method** _____

**Volume Removed** _____ **Removal Method** _____

**Field Test Results**

pH _____ Spec Cond (mS/cm) _____ Turbidity (NTUs) _____

Diss. Oxygen (mg/l) _____ Temperature $^{o}$C _____ Salinity (%) _____

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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Date: February 5, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** SSRI-3

**Field Sample I.D. Number** SSRI-3 (0-0.1) **Time** 1221

**Weather** Cloudy, some rain, wind 0-10 mph, humid **Temperature** Mid 40°s F

**Sample Type:**

**Groundwater** _____ **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** X **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** _____ **Measurement Method** _____

**Depth of Well** _____ **Measurement Method** _____

**Volume Removed** _____ **Removal Method** _____

**Field Test Results**

pH _____ Spec Cond (mS/cm) _____ Turbidity (NTUs) _____

Diss. Oxygen (mg/l) _____ Temperature $^{o}$C _____ Salinity (%) _____

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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Date: February 5, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** SSRI-3

**Field Sample I.D. Number** SSRI-3 (0.5-1.0) **Time** 1233

**Weather** Cloudy, some rain, wind 0-10 mph, humid **Temperature** Mid 40°s F

**Sample Type:**

**Groundwater** _____ **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** X **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** _____ **Measurement Method** _____

**Depth of Well** _____ **Measurement Method** _____

**Volume Removed** _____ **Removal Method** _____

**Field Test Results**

pH _____ Spec Cond (mS/cm) _____ Turbidity (NTUs) _____

Diss. Oxygen (mg/l) _____ Temperature $^{o}$C _____ Salinity (%) _____

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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Date: February 5, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** SSRI-3

**Field Sample I.D. Number** SSRI-3 (1.5-2.0) **Time** 1248

**Weather** Cloudy, some rain, wind 0-10 mph, humid **Temperature** Mid 40°s F

**Sample Type:**

**Groundwater** _____ **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** X **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** _____ **Measurement Method** _____

**Depth of Well** _____ **Measurement Method** _____

**Volume Removed** _____ **Removal Method** _____

**Field Test Results**

pH _____ Spec Cond (mS/cm) _____ Turbidity (NTUs) _____

Diss. Oxygen (mg/l) _____ Temperature $^{o}$C _____ Salinity (%) _____

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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Date: February 5, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** SSRI-4

**Field Sample I.D. Number** SSRI-4 (0-0.1) **Time** 1306

**Weather** Cloudy, some rain, wind 0-10 mph, humid **Temperature** Mid 40°s F

**Sample Type:**

**Groundwater** _____ **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** X **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** _____ **Measurement Method** _____

**Depth of Well** _____ **Measurement Method** _____

**Volume Removed** _____ **Removal Method** _____

**Field Test Results**

pH _____ Spec Cond (mS/cm) _____ Turbidity (NTUs) _____

Diss. Oxygen (mg/l) _____ Temperature $^{o}$C _____ Salinity (%) _____

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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Date: February 5, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** SSRI-4

**Field Sample I.D. Number** SSRI-4 (0.5-1.0) **Time** 1319

**Weather** Cloudy, some rain, wind 0-10 mph, humid **Temperature** Mid 40°s F

**Sample Type:**

**Groundwater** _____ **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** X **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** _____ **Measurement Method** _____

**Depth of Well** _____ **Measurement Method** _____

**Volume Removed** _____ **Removal Method** _____

**Field Test Results**

pH _____ Spec Cond (mS/cm) _____ Turbidity (NTUs) _____

Diss. Oxygen (mg/l) _____ Temperature $^{o}$C _____ Salinity (%) _____

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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Date: February 5, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** SSRI-4

**Field Sample I.D. Number** SSRI-4 (1.5-2.0) **Time** 1330

**Weather** Cloudy, some rain, wind 0-10 mph, humid **Temperature** Mid 40°s F

**Sample Type:**

**Groundwater** _____ **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** X **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** _____ **Measurement Method** _____

**Depth of Well** _____ **Measurement Method** _____

**Volume Removed** _____ **Removal Method** _____

**Field Test Results**

pH _____ Spec Cond (mS/cm) _____ Turbidity (NTUs) _____

Diss. Oxygen (mg/l) _____ Temperature $^{o}$C _____ Salinity (%) _____

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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CONSULTING ENGINEERS
A DIVISION OF WILLIAM F. COSULICH ASSOCIATES, P.C.

Date: February 5, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** SSRI-5

**Field Sample I.D. Number** SSRI-5 (0-0.1) **Time** 1349

**Weather** Cloudy, some rain, wind 0-10 mph, humid **Temperature** Mid 40°s F

**Sample Type:**

**Groundwater** _____ **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** X **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** _____ **Measurement Method** _____

**Depth of Well** _____ **Measurement Method** _____

**Volume Removed** _____ **Removal Method** _____

**Field Test Results**

pH _____ Spec Cond (mS/cm) _____ Turbidity (NTUs) _____

Diss. Oxygen (mg/l) _____ Temperature $^{o}$C _____ Salinity (%) _____

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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Date: February 5, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** SSRI-5

**Field Sample I.D. Number** SSRI-5 (0.5-1.0) **Time** 1401

**Weather** Cloudy, some rain, wind 0-10 mph, humid **Temperature** Mid 40°s F

**Sample Type:**

**Groundwater** _____ **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** X **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** _____ **Measurement Method** _____

**Depth of Well** _____ **Measurement Method** _____

**Volume Removed** _____ **Removal Method** _____

**Field Test Results**

pH _____ Spec Cond (mS/cm) _____ Turbidity (NTUs) _____

Diss. Oxygen (mg/l) _____ Temperature $^{o}$C _____ Salinity (%) _____

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

Dvirka and Bartilucci
CONSULTING ENGINEERS
A DIVISION OF WILLIAM F. COSULICH ASSOCIATES, P.C.

Date: February 5, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** SSRI-5

**Field Sample I.D. Number** SSRI-5 (1.5-2.0) **Time** 1416

**Weather** Cloudy, some rain, wind 0-10 mph, humid **Temperature** Mid 40°s F

**Sample Type:**

**Groundwater** _____ **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** X **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** _____ **Measurement Method** _____

**Depth of Well** _____ **Measurement Method** _____

**Volume Removed** _____ **Removal Method** _____

**Field Test Results**

pH _____ Spec Cond (mS/cm) _____ Turbidity (NTUs) _____

Diss. Oxygen (mg/l) _____ Temperature $^{o}$C _____ Salinity (%) _____

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

Dvirka and Bartilucci
CONSULTING ENGINEERS
A DIVISION OF WILLIAM F. COSULICH ASSOCIATES, P.C.

Date: February 5, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** SSRI-6

**Field Sample I.D. Number** SSRI-6 (0-0.1) **Time** 1436

**Weather** Cloudy, some rain, wind 0-10 mph, humid **Temperature** Mid 40°s F

**Sample Type:**

**Groundwater** _____ **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** X **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** _____ **Measurement Method** _____

**Depth of Well** _____ **Measurement Method** _____

**Volume Removed** _____ **Removal Method** _____

**Field Test Results**

pH _____ Spec Cond (mS/cm) _____ Turbidity (NTUs) _____

Diss. Oxygen (mg/l) _____ Temperature $^{o}$C _____ Salinity (%) _____

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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Date: February 5, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** SSRI-6

**Field Sample I.D. Number** SSRI-6 (0.5-1.0) **Time** 1453

**Weather** Cloudy, some rain, wind 0-10 mph, humid **Temperature** Mid 40°s F

**Sample Type:**

**Groundwater** _____ **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** X **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** _____ **Measurement Method** _____

**Depth of Well** _____ **Measurement Method** _____

**Volume Removed** _____ **Removal Method** _____

**Field Test Results**

pH _____ Spec Cond (mS/cm) _____ Turbidity (NTUs) _____

Diss. Oxygen (mg/l) _____ Temperature $^{o}$C _____ Salinity (%) _____

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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Date: February 5, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** SSRI-6

**Field Sample I.D. Number** SSRI-6 (1.5-2.0) **Time** 1508

**Weather** Cloudy, some rain, wind 0-10 mph, humid **Temperature** Mid 40°s F

**Sample Type:**

**Groundwater** _____ **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** X **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** _____ **Measurement Method** _____

**Depth of Well** _____ **Measurement Method** _____

**Volume Removed** _____ **Removal Method** _____

**Field Test Results**

pH _____ Spec Cond (mS/cm) _____ Turbidity (NTUs) _____

Diss. Oxygen (mg/l) _____ Temperature $^{o}$C _____ Salinity (%) _____

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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Date: February 5, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** SSRI-7

**Field Sample I.D. Number** SSRI-7 (0-0.1) **Time** 1529

**Weather** Cloudy, some rain, wind 0-10 mph, humid **Temperature** Mid 40°s F

**Sample Type:**

**Groundwater** _____ **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** X **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** _____ **Measurement Method** _____

**Depth of Well** _____ **Measurement Method** _____

**Volume Removed** _____ **Removal Method** _____

**Field Test Results**

pH _____ Spec Cond (mS/cm) _____ Turbidity (NTUs) _____

Diss. Oxygen (mg/l) _____ Temperature $^{o}$C _____ Salinity (%) _____

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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Date: February 5, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** SSRI-7

**Field Sample I.D. Number** SSRI-7 (0.5-1.0) **Time** 1542

**Weather** Cloudy, some rain, wind 0-10 mph, humid **Temperature** Mid 40°s F

**Sample Type:**

**Groundwater** _____ **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** X **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** _____ **Measurement Method** _____

**Depth of Well** _____ **Measurement Method** _____

**Volume Removed** _____ **Removal Method** _____

**Field Test Results**

pH _____ Spec Cond (mS/cm) _____ Turbidity (NTUs) _____

Diss. Oxygen (mg/l) _____ Temperature $^{o}$C _____ Salinity (%) _____

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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Date: February 5, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** SSRI-7

**Field Sample I.D. Number** SSRI-7 (1.5-2.0) **Time** 1603

**Weather** Cloudy, some rain, wind 0-10 mph, humid **Temperature** Mid 40°s F

**Sample Type:**

**Groundwater** _____ **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** X **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** _____ **Measurement Method** _____

**Depth of Well** _____ **Measurement Method** _____

**Volume Removed** _____ **Removal Method** _____

**Field Test Results**

pH _____ Spec Cond (mS/cm) _____ Turbidity (NTUs) _____

Diss. Oxygen (mg/l) _____ Temperature $^{o}$C _____ Salinity (%) _____

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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Date: February 6, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** SSRI-8

**Field Sample I.D. Number** SSRI-8 (0-0.1) **Time** 0925

**Weather** Intermittent rain, humid, wind 0-10 mph **Temperature** Mid 40°s F

**Sample Type:**

**Groundwater** _____ **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** X **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** _____ **Measurement Method** _____

**Depth of Well** _____ **Measurement Method** _____

**Volume Removed** _____ **Removal Method** _____

**Field Test Results**

pH _____ Spec Cond (mS/cm) _____ Turbidity (NTUs) _____

Diss. Oxygen (mg/l) _____ Temperature $^{o}$C _____ Salinity (%) _____

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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Date: February 6, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** SSRI-8

**Field Sample I.D. Number** SSRI-8 (0.5-1.0) **Time** 0937

**Weather** Intermittent rain, humid, wind 0-10 mph **Temperature** Mid 40°s F

**Sample Type:**

**Groundwater** _____ **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** X **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** _____ **Measurement Method** _____

**Depth of Well** _____ **Measurement Method** _____

**Volume Removed** _____ **Removal Method** _____

**Field Test Results**

pH _____ Spec Cond (mS/cm) _____ Turbidity (NTUs) _____

Diss. Oxygen (mg/l) _____ Temperature $^{o}$C _____ Salinity (%) _____

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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Date: February 6, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** SSRI-8

**Field Sample I.D. Number** SSRI-8 (1.5-2.0) **Time** 0952

**Weather** Intermittent rain, humid, wind 0-10 mph **Temperature** Mid 40°s F

**Sample Type:**

**Groundwater** _____ **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** X **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** _____ **Measurement Method** _____

**Depth of Well** _____ **Measurement Method** _____

**Volume Removed** _____ **Removal Method** _____

**Field Test Results**

pH _____ Spec Cond (mS/cm) _____ Turbidity (NTUs) _____

Diss. Oxygen (mg/l) _____ Temperature $^{o}$C _____ Salinity (%) _____

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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Date: February 6, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** SSRI-9

**Field Sample I.D. Number** SSRI-9 (0-0.1) **Time** 1012

**Weather** Intermittent rain, humid, wind 0-10 mph **Temperature** Mid 40°s F

**Sample Type:**

**Groundwater** _____ **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** X **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** _____ **Measurement Method** _____

**Depth of Well** _____ **Measurement Method** _____

**Volume Removed** _____ **Removal Method** _____

**Field Test Results**

pH _____ Spec Cond (mS/cm) _____ Turbidity (NTUs) _____

Diss. Oxygen (mg/l) _____ Temperature $^{o}$C _____ Salinity (%) _____

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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Date: February 6, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** SSRI-9

**Field Sample I.D. Number** SSRI-9 (0.5-1.0) **Time** 1019

**Weather** Intermittent rain, humid, wind 0-10 mph **Temperature** Mid 40°s F

**Sample Type:**

**Groundwater** _____ **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** X **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** _____ **Measurement Method** _____

**Depth of Well** _____ **Measurement Method** _____

**Volume Removed** _____ **Removal Method** _____

**Field Test Results**

pH _____ Spec Cond (mS/cm) _____ Turbidity (NTUs) _____

Diss. Oxygen (mg/l) _____ Temperature $^{o}$C _____ Salinity (%) _____

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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Date: February 6, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** SSRI-9

**Field Sample I.D. Number** SSRI-9 (1.5-2.0) **Time** 1028

**Weather** Intermittent rain, humid, wind 0-10 mph **Temperature** Mid 40°s F

**Sample Type:**

**Groundwater** _____ **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** X **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** _____ **Measurement Method** _____

**Depth of Well** _____ **Measurement Method** _____

**Volume Removed** _____ **Removal Method** _____

**Field Test Results**

pH _____ Spec Cond (mS/cm) _____ Turbidity (NTUs) _____

Diss. Oxygen (mg/l) _____ Temperature $^{o}$C _____ Salinity (%) _____

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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Date: February 22, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** SSRI-10

**Field Sample I.D. Number** SSRI-10 (0-0.1) **Time** 1300

**Weather** Fog, intermittent snow, wind 6-9 mph **Temperature** Mid 20°s F

**Sample Type:**

**Groundwater** _____ **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** X **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** _____ **Measurement Method** _____

**Depth of Well** _____ **Measurement Method** _____

**Volume Removed** _____ **Removal Method** _____

**Field Test Results**

pH _____ Spec Cond (mS/cm) _____ Turbidity (NTUs) _____

Diss. Oxygen (mg/l) _____ Temperature $^{o}$C _____ Salinity (%) _____

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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Date: February 22, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** SSRI-10

**Field Sample I.D. Number** SSRI-10 (0.5-1) **Time** 1310

**Weather** Fog, intermittent snow, wind 6-9 mph **Temperature** Mid 20°s F

**Sample Type:**

**Groundwater** _____ **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** X **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** _____ **Measurement Method** _____

**Depth of Well** _____ **Measurement Method** _____

**Volume Removed** _____ **Removal Method** _____

**Field Test Results**

pH _____ Spec Cond (mS/cm) _____ Turbidity (NTUs) _____

Diss. Oxygen (mg/l) _____ Temperature $^{o}$C _____ Salinity (%) _____

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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Date: February 22, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** SSRI-10

**Field Sample I.D. Number** SSRI-10 (1.5-2) **Time** 1320

**Weather** Fog, intermittent snow, wind 6-9 mph **Temperature** Mid 20°s F

**Sample Type:**

**Groundwater** _____ **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** X **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** _____ **Measurement Method** _____

**Depth of Well** _____ **Measurement Method** _____

**Volume Removed** _____ **Removal Method** _____

**Field Test Results**

pH _____ Spec Cond (mS/cm) _____ Turbidity (NTUs) _____

Diss. Oxygen (mg/l) _____ Temperature $^{o}$C _____ Salinity (%) _____

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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Date: February 6, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** SSRI-11

**Field Sample I.D. Number** SSRI-11 (0-0.1) **Time** 1058

**Weather** Intermittent rain, humid, wind 0-10 mph **Temperature** Mid 40°s F

**Sample Type:**

**Groundwater** _____ **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** X **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** _____ **Measurement Method** _____

**Depth of Well** _____ **Measurement Method** _____

**Volume Removed** _____ **Removal Method** _____

**Field Test Results**

pH _____ Spec Cond (mS/cm) _____ Turbidity (NTUs) _____

Diss. Oxygen (mg/l) _____ Temperature $^{o}$C _____ Salinity (%) _____

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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Date: February 22, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** SSRI-11

**Field Sample I.D. Number** SSRI-11 (0.5-1) **Time** 0805

**Weather** Fog, intermittent snow, wind 6-9 mph **Temperature** Mid 20°s F

**Sample Type:**

**Groundwater** _____ **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** X **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** _____ **Measurement Method** _____

**Depth of Well** _____ **Measurement Method** _____

**Volume Removed** _____ **Removal Method** _____

**Field Test Results**

pH _____ Spec Cond (mS/cm) _____ Turbidity (NTUs) _____

Diss. Oxygen (mg/l) _____ Temperature $^{o}$C _____ Salinity (%) _____

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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Date: February 22, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** SSRI-11

**Field Sample I.D. Number** SSRI-11 (1.5-2) **Time** 0815

**Weather** Fog, intermittent snow, wind 6-9 mph **Temperature** Mid 20°s F

**Sample Type:**

**Groundwater** _____ **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** X **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** _____ **Measurement Method** _____

**Depth of Well** _____ **Measurement Method** _____

**Volume Removed** _____ **Removal Method** _____

**Field Test Results**

pH _____ Spec Cond (mS/cm) _____ Turbidity (NTUs) _____

Diss. Oxygen (mg/l) _____ Temperature $^{o}$C _____ Salinity (%) _____

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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Date: February 6, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** SSRI-12

**Field Sample I.D. Number** SSRI-12 (0-0.1) **Time** 1115

**Weather** Intermittent rain, humid, wind 0-10 mph **Temperature** Mid 40°s F

**Sample Type:**

**Groundwater** _____ **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** X **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** _____ **Measurement Method** _____

**Depth of Well** _____ **Measurement Method** _____

**Volume Removed** _____ **Removal Method** _____

**Field Test Results**

pH _____ Spec Cond (mS/cm) _____ Turbidity (NTUs) _____

Diss. Oxygen (mg/l) _____ Temperature $^{o}$C _____ Salinity (%) _____

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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Date: February 6, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** SSRI-12

**Field Sample I.D. Number** SSRI-12 (0.5-1.0) **Time** 1122

**Weather** Intermittent rain, humid, wind 0-10 mph **Temperature** Mid 40°s F

**Sample Type:**

**Groundwater** _____ **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** X **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** _____ **Measurement Method** _____

**Depth of Well** _____ **Measurement Method** _____

**Volume Removed** _____ **Removal Method** _____

**Field Test Results**

pH _____ Spec Cond (mS/cm) _____ Turbidity (NTUs) _____

Diss. Oxygen (mg/l) _____ Temperature $^{o}$C _____ Salinity (%) _____

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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Date: February 6, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** SSRI-12

**Field Sample I.D. Number** SSRI-12 (1.5-2.0) **Time** 1140

**Weather** Intermittent rain, humid, wind 0-10 mph **Temperature** Mid 40°s F

**Sample Type:**

**Groundwater** _____ **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** X **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** _____ **Measurement Method** _____

**Depth of Well** _____ **Measurement Method** _____

**Volume Removed** _____ **Removal Method** _____

**Field Test Results**

pH _____ Spec Cond (mS/cm) _____ Turbidity (NTUs) _____

Diss. Oxygen (mg/l) _____ Temperature $^{o}$C _____ Salinity (%) _____

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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Date: February 6, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** SSRI-13

**Field Sample I.D. Number** SSRI-13 (0-0.1) **Time** 1204

**Weather** Intermittent rain, humid, wind 0-10 mph **Temperature** Mid 40°s F

**Sample Type:**

**Groundwater** _____ **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** X **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** _____ **Measurement Method** _____

**Depth of Well** _____ **Measurement Method** _____

**Volume Removed** _____ **Removal Method** _____

**Field Test Results**

pH _____ Spec Cond (mS/cm) _____ Turbidity (NTUs) _____

Diss. Oxygen (mg/l) _____ Temperature $^{o}$C _____ Salinity (%) _____

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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Date: February 6, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** SSRI-13

**Field Sample I.D. Number** SSRI-13 (0.5-1.0) **Time** 1218

**Weather** Intermittent rain, humid, wind 0-10 mph **Temperature** Mid 40°s F

**Sample Type:**

**Groundwater** _____ **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** X **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** _____ **Measurement Method** _____

**Depth of Well** _____ **Measurement Method** _____

**Volume Removed** _____ **Removal Method** _____

**Field Test Results**

pH _____ Spec Cond (mS/cm) _____ Turbidity (NTUs) _____

Diss. Oxygen (mg/l) _____ Temperature $^{o}$C _____ Salinity (%) _____

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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Date: February 6, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** SSRI-13

**Field Sample I.D. Number** SSRI-13 (1.5-2.0) **Time** 1241

**Weather** Intermittent rain, humid, wind 0-10 mph **Temperature** Mid 40°s F

**Sample Type:**

**Groundwater** _____ **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** X **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** _____ **Measurement Method** _____

**Depth of Well** _____ **Measurement Method** _____

**Volume Removed** _____ **Removal Method** _____

**Field Test Results**

pH _____ Spec Cond (mS/cm) _____ Turbidity (NTUs) _____

Diss. Oxygen (mg/l) _____ Temperature $^{o}$C _____ Salinity (%) _____

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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Date: February 6, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** SSRI-14

**Field Sample I.D. Number** SSRI-14 (0-0.1) **Time** 1340

**Weather** Intermittent rain, humid, wind 0-10 mph **Temperature** Mid 40°s F

**Sample Type:**

**Groundwater** _____ **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** X **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** _____ **Measurement Method** _____

**Depth of Well** _____ **Measurement Method** _____

**Volume Removed** _____ **Removal Method** _____

**Field Test Results**

pH _____ Spec Cond (mS/cm) _____ Turbidity (NTUs) _____

Diss. Oxygen (mg/l) _____ Temperature $^{o}$C _____ Salinity (%) _____

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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Date: February 6, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** SSRI-14

**Field Sample I.D. Number** SSRI-14 (0.5-1.0) **Time** 1401

**Weather** Intermittent rain, humid, wind 0-10 mph **Temperature** Mid 40°s F

**Sample Type:**

**Groundwater** _____ **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** X **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** _____ **Measurement Method** _____

**Depth of Well** _____ **Measurement Method** _____

**Volume Removed** _____ **Removal Method** _____

**Field Test Results**

pH _____ Spec Cond (mS/cm) _____ Turbidity (NTUs) _____

Diss. Oxygen (mg/l) _____ Temperature $^{o}$C _____ Salinity (%) _____

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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Date: February 6, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** SSRI-14

**Field Sample I.D. Number** SSRI-14 (1.5-2.0) **Time** 1412

**Weather** Intermittent rain, humid, wind 0-10 mph **Temperature** Mid 40°s F

**Sample Type:**

**Groundwater** _____ **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** X **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** _____ **Measurement Method** _____

**Depth of Well** _____ **Measurement Method** _____

**Volume Removed** _____ **Removal Method** _____

**Field Test Results**

pH _____ Spec Cond (mS/cm) _____ Turbidity (NTUs) _____

Diss. Oxygen (mg/l) _____ Temperature $^{o}$C _____ Salinity (%) _____

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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Date: February 6, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** SSRI-15

**Field Sample I.D. Number** SSRI-15 (0-0.1) **Time** 1431

**Weather** Intermittent rain, humid, wind 0-10 mph **Temperature** Mid 40°s F

**Sample Type:**

**Groundwater** _____ **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** X **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** _____ **Measurement Method** _____

**Depth of Well** _____ **Measurement Method** _____

**Volume Removed** _____ **Removal Method** _____

**Field Test Results**

pH _____ Spec Cond (mS/cm) _____ Turbidity (NTUs) _____

Diss. Oxygen (mg/l) _____ Temperature $^{o}$C _____ Salinity (%) _____

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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Date: February 6, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** SSRI-15

**Field Sample I.D. Number** SSRI-15 (0.5-1.0) **Time** 1439

**Weather** Intermittent rain, humid, wind 0-10 mph **Temperature** Mid 40°s F

**Sample Type:**

**Groundwater** _____ **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** X **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** _____ **Measurement Method** _____

**Depth of Well** _____ **Measurement Method** _____

**Volume Removed** _____ **Removal Method** _____

**Field Test Results**

pH _____ Spec Cond (mS/cm) _____ Turbidity (NTUs) _____

Diss. Oxygen (mg/l) _____ Temperature $^{o}$C _____ Salinity (%) _____

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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Date: February 6, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** SSRI-15

**Field Sample I.D. Number** SSRI-15 (1.5-2.0) **Time** 1501

**Weather** Intermittent rain, humid, wind 0-10 mph **Temperature** Mid 40°s F

**Sample Type:**

**Groundwater** _____ **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** X **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** _____ **Measurement Method** _____

**Depth of Well** _____ **Measurement Method** _____

**Volume Removed** _____ **Removal Method** _____

**Field Test Results**

pH _____ Spec Cond (mS/cm) _____ Turbidity (NTUs) _____

Diss. Oxygen (mg/l) _____ Temperature $^{o}$C _____ Salinity (%) _____

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** SSRI-16

**Field Sample I.D. Number** SSRI-16 (0-0.1) **Time** 0835

**Weather** Fog, intermittent snow, wind 6-9 mph **Temperature** Mid 20°s F

**Sample Type:**

**Groundwater** _____ **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** X **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** _____ **Measurement Method** _____

**Depth of Well** _____ **Measurement Method** _____

**Volume Removed** _____ **Removal Method** _____

**Field Test Results**

pH _____ Spec Cond (mS/cm) _____ Turbidity (NTUs) _____

Diss. Oxygen (mg/l) _____ Temperature $^{o}$C _____ Salinity (%) _____

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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Date: February 22, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** SSRI-16

**Field Sample I.D. Number** SSRI-16 (1.5-2) **Time** 0845

**Weather** Fog, intermittent snow, wind 6-9 mph **Temperature** Mid 20°s F

**Sample Type:**

**Groundwater** _____ **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** X **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** _____ **Measurement Method** _____

**Depth of Well** _____ **Measurement Method** _____

**Volume Removed** _____ **Removal Method** _____

**Field Test Results**

pH _____ Spec Cond (mS/cm) _____ Turbidity (NTUs) _____

Diss. Oxygen (mg/l) _____ Temperature $^{o}$C _____ Salinity (%) _____

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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Date: February 22, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** SSRI-17

**Field Sample I.D. Number** SSRI-17 (0-0.1) **Time** 1210

**Weather** Fog, intermittent snow, wind 6-9 mph **Temperature** Mid 20°s F

**Sample Type:**

**Groundwater** _____ **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** X **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** _____ **Measurement Method** _____

**Depth of Well** _____ **Measurement Method** _____

**Volume Removed** _____ **Removal Method** _____

**Field Test Results**

pH _____ Spec Cond (mS/cm) _____ Turbidity (NTUs) _____

Diss. Oxygen (mg/l) _____ Temperature $^{o}$C _____ Salinity (%) _____

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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Date: February 22, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** SSRI-17

**Field Sample I.D. Number** SSRI-17 (0.5-1) **Time** 1225

**Weather** Fog, intermittent snow, wind 6-9 mph **Temperature** Mid 20°s F

**Sample Type:**

**Groundwater** _____ **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** X **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** _____ **Measurement Method** _____

**Depth of Well** _____ **Measurement Method** _____

**Volume Removed** _____ **Removal Method** _____

**Field Test Results**

pH _____ Spec Cond (mS/cm) _____ Turbidity (NTUs) _____

Diss. Oxygen (mg/l) _____ Temperature $^{o}$C _____ Salinity (%) _____

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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Date: February 22, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** SSRI-18

**Field Sample I.D. Number** SSRI-18 (0.5-1) **Time** 0935

**Weather** Fog, intermittent snow, wind 6-9 mph **Temperature** Mid 20°s F

**Sample Type:**

**Groundwater** _____ **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** X **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** _____ **Measurement Method** _____

**Depth of Well** _____ **Measurement Method** _____

**Volume Removed** _____ **Removal Method** _____

**Field Test Results**

pH _____ Spec Cond (mS/cm) _____ Turbidity (NTUs) _____

Diss. Oxygen (mg/l) _____ Temperature $^{o}$C _____ Salinity (%) _____

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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Date: February 22, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** SSRI-17

**Field Sample I.D. Number** SSRI-17 (1.5-2) **Time** 1240

**Weather** Fog, intermittent snow, wind 6-9 mph **Temperature** Mid 20°s F

**Sample Type:**

**Groundwater** _____ **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** X **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** _____ **Measurement Method** _____

**Depth of Well** _____ **Measurement Method** _____

**Volume Removed** _____ **Removal Method** _____

**Field Test Results**

pH _____ Spec Cond (mS/cm) _____ Turbidity (NTUs) _____

Diss. Oxygen (mg/l) _____ Temperature $^{o}$C _____ Salinity (%) _____

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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Date: February 21, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** SSRI-18

**Field Sample I.D. Number** SSRI-18 (0-0.1) **Time** 0920

**Weather** Fog, intermittent snow, wind 6-9 mph **Temperature** Mid 20°s F

**Sample Type:**

**Groundwater** _____ **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** X **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** _____ **Measurement Method** _____

**Depth of Well** _____ **Measurement Method** _____

**Volume Removed** _____ **Removal Method** _____

**Field Test Results**

pH _____ Spec Cond (mS/cm) _____ Turbidity (NTUs) _____

Diss. Oxygen (mg/l) _____ Temperature $^{o}$C _____ Salinity (%) _____

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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Date: February 22, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** SSRI-18

**Field Sample I.D. Number** SSRI-18 (1.5-2) **Time** 0955

**Weather** Fog, intermittent snow, wind 6-9 mph **Temperature** Mid 20°s F

**Sample Type:**

**Groundwater** _____ **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** X **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** _____ **Measurement Method** _____

**Depth of Well** _____ **Measurement Method** _____

**Volume Removed** _____ **Removal Method** _____

**Field Test Results**

pH _____ Spec Cond (mS/cm) _____ Turbidity (NTUs) _____

Diss. Oxygen (mg/l) _____ Temperature $^{o}$C _____ Salinity (%) _____

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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Date: February 22, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** SSRI-19

**Field Sample I.D. Number** SSRI-19 (0-0.1) **Time** 1020

**Weather** Fog, intermittent snow, wind 6-9 mph **Temperature** Mid 20°s F

**Sample Type:**

**Groundwater** _____ **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** X **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** _____ **Measurement Method** _____

**Depth of Well** _____ **Measurement Method** _____

**Volume Removed** _____ **Removal Method** _____

**Field Test Results**

pH _____ Spec Cond (mS/cm) _____ Turbidity (NTUs) _____

Diss. Oxygen (mg/l) _____ Temperature $^{o}$C _____ Salinity (%) _____

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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Date: February 22, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** SSRI-19

**Field Sample I.D. Number** SSRI-19 (0.5-1) **Time** 1035

**Weather** Fog, intermittent snow, wind 6-9 mph **Temperature** Mid 20°s F

**Sample Type:**

**Groundwater** _____ **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** X **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** _____ **Measurement Method** _____

**Depth of Well** _____ **Measurement Method** _____

**Volume Removed** _____ **Removal Method** _____

**Field Test Results**

pH _____ Spec Cond (mS/cm) _____ Turbidity (NTUs) _____

Diss. Oxygen (mg/l) _____ Temperature $^{o}$C _____ Salinity (%) _____

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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Date: February 22, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** SSRI-19

**Field Sample I.D. Number** SSRI-19 (1.5-2) **Time** 1045

**Weather** Fog, intermittent snow, wind 6-9 mph **Temperature** Mid 20°s F

**Sample Type:**

**Groundwater** _____ **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** X **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** _____ **Measurement Method** _____

**Depth of Well** _____ **Measurement Method** _____

**Volume Removed** _____ **Removal Method** _____

**Field Test Results**

pH _____ Spec Cond (mS/cm) _____ Turbidity (NTUs) _____

Diss. Oxygen (mg/l) _____ Temperature $^{o}$C _____ Salinity (%) _____

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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Date: February 22, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** SSRI-20

**Field Sample I.D. Number** SSRI-20 (0-0.1) **Time** 1100

**Weather** Fog, intermittent snow, wind 6-9 mph **Temperature** Mid 20°s F

**Sample Type:**

**Groundwater** _____ **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** X **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** _____ **Measurement Method** _____

**Depth of Well** _____ **Measurement Method** _____

**Volume Removed** _____ **Removal Method** _____

**Field Test Results**

pH _____ Spec Cond (mS/cm) _____ Turbidity (NTUs) _____

Diss. Oxygen (mg/l) _____ Temperature $^{o}$C _____ Salinity (%) _____

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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Date: February 22, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** SSRI-20

**Field Sample I.D. Number** SSRI-20 (0.5-1) **Time** 1110

**Weather** Fog, intermittent snow, wind 6-9 mph **Temperature** Mid 20°s F

**Sample Type:**

**Groundwater** _____ **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** X **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** _____ **Measurement Method** _____

**Depth of Well** _____ **Measurement Method** _____

**Volume Removed** _____ **Removal Method** _____

**Field Test Results**

pH _____ Spec Cond (mS/cm) _____ Turbidity (NTUs) _____

Diss. Oxygen (mg/l) _____ Temperature $^{o}$C _____ Salinity (%) _____

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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Date: February 22, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** SSRI-20

**Field Sample I.D. Number** SSRI-20 (1.5-2) **Time** 1120

**Weather** Fog, intermittent snow, wind 6-9 mph **Temperature** Mid 20°s F

**Sample Type:**

**Groundwater** _____ **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** X **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** _____ **Measurement Method** _____

**Depth of Well** _____ **Measurement Method** _____

**Volume Removed** _____ **Removal Method** _____

**Field Test Results**

pH _____ Spec Cond (mS/cm) _____ Turbidity (NTUs) _____

Diss. Oxygen (mg/l) _____ Temperature $^{o}$C _____ Salinity (%) _____

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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Date: February 19, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** SBRI-1

**Field Sample I.D. Number** SBRI-1 (2-4) **Time** 1025

**Weather** Intermittent snow, 0-20 mph wind **Temperature** Mid 20°s F

**Sample Type:**

**Groundwater** _____ **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** X **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** _____ **Measurement Method** _____

**Depth of Well** _____ **Measurement Method** _____

**Volume Removed** _____ **Removal Method** _____

**Field Test Results**

pH _____ Spec Cond (mS/cm) _____ Turbidity (NTUs) _____

Diss. Oxygen (mg/l) _____ Temperature $^{o}$C _____ Salinity (%) _____

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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Date: February 19, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** SBRI-1

**Field Sample I.D. Number** SBRI-1 (8-10) **Time** 1055

**Weather** Intermittent snow, 0-20 mph wind **Temperature** Mid 20°s F

**Sample Type:**

**Groundwater** _____ **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** X **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** _____ **Measurement Method** _____

**Depth of Well** _____ **Measurement Method** _____

**Volume Removed** _____ **Removal Method** _____

**Field Test Results**

pH _____ Spec Cond (mS/cm) _____ Turbidity (NTUs) _____

Diss. Oxygen (mg/l) _____ Temperature $^{o}$C _____ Salinity (%) _____

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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Date: February 19, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** SBRI-2

**Field Sample I.D. Number** SBRI-2 (2-4) **Time** 1045

**Weather** Intermittent snow, 0-20 mph wind **Temperature** Mid 20°s F

**Sample Type:**

**Groundwater** _____ **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** X **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** _____ **Measurement Method** _____

**Depth of Well** _____ **Measurement Method** _____

**Volume Removed** _____ **Removal Method** _____

**Field Test Results**

pH _____ Spec Cond (mS/cm) _____ Turbidity (NTUs) _____

Diss. Oxygen (mg/l) _____ Temperature $^{o}$C _____ Salinity (%) _____

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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Date: February 19, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** SBRI-2

**Field Sample I.D. Number** SBRI-2 (9-11) **Time** 1310

**Weather** Intermittent snow, 0-20 mph wind **Temperature** Mid 20°s F

**Sample Type:**

**Groundwater** _____ **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** X **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** _____ **Measurement Method** _____

**Depth of Well** _____ **Measurement Method** _____

**Volume Removed** _____ **Removal Method** _____

**Field Test Results**

pH _____ Spec Cond (mS/cm) _____ Turbidity (NTUs) _____

Diss. Oxygen (mg/l) _____ Temperature $^{o}$C _____ Salinity (%) _____

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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Date: February 19, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** SBRI-3

**Field Sample I.D. Number** SBRI-3 (2-4) **Time** 1255

**Weather** Intermittent snow, 0-20 mph wind **Temperature** Mid 20°s F

**Sample Type:**

**Groundwater** _____ **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** X **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** _____ **Measurement Method** _____

**Depth of Well** _____ **Measurement Method** _____

**Volume Removed** _____ **Removal Method** _____

**Field Test Results**

pH _____ Spec Cond (mS/cm) _____ Turbidity (NTUs) _____

Diss. Oxygen (mg/l) _____ Temperature $^{o}$C _____ Salinity (%) _____

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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Date: February 20, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** SBRI-3

**Field Sample I.D. Number** SBRI-3 (7-9) **Time** 0910

**Weather** Intermittent snow, 0-17 mph wind **Temperature** Low 20°s F

**Sample Type:**

**Groundwater** _____ **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** X **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** _____ **Measurement Method** _____

**Depth of Well** _____ **Measurement Method** _____

**Volume Removed** _____ **Removal Method** _____

**Field Test Results**

pH _____ Spec Cond (mS/cm) _____ Turbidity (NTUs) _____

Diss. Oxygen (mg/l) _____ Temperature $^{o}$C _____ Salinity (%) _____

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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Date: February 19, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** SBRI-4

**Field Sample I.D. Number** SBRI-4 (2-4) **Time** 1435

**Weather** Intermittent snow, 0-20 mph wind **Temperature** Mid 20°s F

**Sample Type:**

**Groundwater** _____ **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** X **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** _____ **Measurement Method** _____

**Depth of Well** _____ **Measurement Method** _____

**Volume Removed** _____ **Removal Method** _____

**Field Test Results**

pH _____ Spec Cond (mS/cm) _____ Turbidity (NTUs) _____

Diss. Oxygen (mg/l) _____ Temperature $^{o}$C _____ Salinity (%) _____

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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Date: February 19, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** SBRI-4

**Field Sample I.D. Number** SBRI-4 (8-10) **Time** 1505

**Weather** Intermittent snow, 0-20 mph wind **Temperature** Mid 20°s F

**Sample Type:**

**Groundwater** _____ **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** X **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** _____ **Measurement Method** _____

**Depth of Well** _____ **Measurement Method** _____

**Volume Removed** _____ **Removal Method** _____

**Field Test Results**

pH _____ Spec Cond (mS/cm) _____ Turbidity (NTUs) _____

Diss. Oxygen (mg/l) _____ Temperature $^{o}$C _____ Salinity (%) _____

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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Date: February 19, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** SBRI-5

**Field Sample I.D. Number** SBRI-5 (2-4) **Time** 1540

**Weather** Intermittent snow, 0-20 mph wind **Temperature** Mid 20°s F

**Sample Type:**

**Groundwater** _____ **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** X **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** _____ **Measurement Method** _____

**Depth of Well** _____ **Measurement Method** _____

**Volume Removed** _____ **Removal Method** _____

**Field Test Results**

pH _____ Spec Cond (mS/cm) _____ Turbidity (NTUs) _____

Diss. Oxygen (mg/l) _____ Temperature $^{o}$C _____ Salinity (%) _____

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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Date: February 19, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** SBRI-5

**Field Sample I.D. Number** SBRI-5 (8-10) **Time** 1615

**Weather** Intermittent snow, 0-20 mph wind **Temperature** Mid 20°s F

**Sample Type:**

**Groundwater** _____ **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** X **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** _____ **Measurement Method** _____

**Depth of Well** _____ **Measurement Method** _____

**Volume Removed** _____ **Removal Method** _____

**Field Test Results**

pH _____ Spec Cond (mS/cm) _____ Turbidity (NTUs) _____

Diss. Oxygen (mg/l) _____ Temperature $^{o}$C _____ Salinity (%) _____

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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Date: February 20, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** SBRI-6

**Field Sample I.D. Number** SBRI-6 (4-6) **Time** 1545

**Weather** Intermittent snow, 0-17 mph wind **Temperature** Low 20°s F

**Sample Type:**

**Groundwater** _____ **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** X **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** _____ **Measurement Method** _____

**Depth of Well** _____ **Measurement Method** _____

**Volume Removed** _____ **Removal Method** _____

**Field Test Results**

pH _____ Spec Cond (mS/cm) _____ Turbidity (NTUs) _____

Diss. Oxygen (mg/l) _____ Temperature $^{o}$C _____ Salinity (%) _____

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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Date: February 20, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** SBRI-6

**Field Sample I.D. Number** SBRI-6 (8-10) **Time** 1555

**Weather** Intermittent snow, 0-17 mph wind **Temperature** Low 20°s F

**Sample Type:**

**Groundwater** _____ **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** X **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** _____ **Measurement Method** _____

**Depth of Well** _____ **Measurement Method** _____

**Volume Removed** _____ **Removal Method** _____

**Field Test Results**

pH _____ Spec Cond (mS/cm) _____ Turbidity (NTUs) _____

Diss. Oxygen (mg/l) _____ Temperature $^{o}$C _____ Salinity (%) _____

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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Date: February 21, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** SBRI-7

**Field Sample I.D. Number** SBRI-7 (2-4) **Time** 1010

**Weather** Mostly sunny, no precip, wind 0-10 mph **Temperature** 14° F

**Sample Type:**

**Groundwater** _____ **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** X **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** _____ **Measurement Method** _____

**Depth of Well** _____ **Measurement Method** _____

**Volume Removed** _____ **Removal Method** _____

**Field Test Results**

pH _____ Spec Cond (mS/cm) _____ Turbidity (NTUs) _____

Diss. Oxygen (mg/l) _____ Temperature $^{o}$C _____ Salinity (%) _____

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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Date: February 21, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** SBRI-7

**Field Sample I.D. Number** SBRI-7 (8-10) **Time** 1040

**Weather** Mostly sunny, no precip, wind 0-10 mph **Temperature** 14° F

**Sample Type:**

**Groundwater** _____ **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** X **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** _____ **Measurement Method** _____

**Depth of Well** _____ **Measurement Method** _____

**Volume Removed** _____ **Removal Method** _____

**Field Test Results**

pH _____ Spec Cond (mS/cm) _____ Turbidity (NTUs) _____

Diss. Oxygen (mg/l) _____ Temperature $^{o}$C _____ Salinity (%) _____

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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Date: February 21, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** SBRI-8

**Field Sample I.D. Number** SBRI-8 (6-8) **Time** 1325

**Weather** Mostly sunny, no precip, wind 0-10 mph **Temperature** 14° F

**Sample Type:**

**Groundwater** _____ **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** X **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** _____ **Measurement Method** _____

**Depth of Well** _____ **Measurement Method** _____

**Volume Removed** _____ **Removal Method** _____

**Field Test Results**

pH _____ Spec Cond (mS/cm) _____ Turbidity (NTUs) _____

Diss. Oxygen (mg/l) _____ Temperature $^{o}$C _____ Salinity (%) _____

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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Date: February 21, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** SBRI-8

**Field Sample I.D. Number** SBRI-8 (8-10) **Time** 1335

**Weather** Mostly sunny, no precip, wind 0-10 mph **Temperature** 14° F

**Sample Type:**

**Groundwater** _____ **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** X **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** _____ **Measurement Method** _____

**Depth of Well** _____ **Measurement Method** _____

**Volume Removed** _____ **Removal Method** _____

**Field Test Results**

pH _____ Spec Cond (mS/cm) _____ Turbidity (NTUs) _____

Diss. Oxygen (mg/l) _____ Temperature $^{o}$C _____ Salinity (%) _____

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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Date: February 20, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** MW-1

**Field Sample I.D. Number** MW-1 **Time** 1035

**Weather** Intermittent snow, wind 0-17 mph **Temperature** Mid 20°s F

**Sample Type:**

**Groundwater** X **Sediment**

**Surface Water/Stream** **Air**

**Soil** **Other (describe, i.e. water, septage, etc.)**

**Well Information (fill out for groundwater samples)**

**Depth to Water** 7.49 **Measurement Method**

**Depth of Well** 22 **Measurement Method**

**Volume Removed** 7 **Removal Method**

**Field Test Results**

pH 7.81 Spec Cond (mS/cm) 0.775 Turbidity (NTUs) 10

Diss. Oxygen (mg/l) 0.06 Temperature $^{o}$C 9.1 Salinity (%) NM

PID (ppm) NM Color Cloudy Odor None

Other:

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

No salinity readings.

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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Date: October 7, 2010

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk

**Sample Location/Well No.** MW-1A

**Field Sample I.D. Number** MW-1A **Time** 1050

**Weather** Mostly Cloudy, Wind SW 5-15 mph **Temperature** 60°s F

**Sample Type:**

**Groundwater** X **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** _____ **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** 3.44 **Measurement Method** _____

**Depth of Well** 13.72 **Measurement Method** _____

**Volume Removed** 4.8 **Removal Method** _____

**Field Test Results**

pH 7.92 Spec Cond (mS/cm) 0.655 Turbidity (NTUs) 109

Diss. Oxygen (mg/l) 9.32 Temperature $^{o}$C 17.2 Salinity (%) 0.02

PID (ppm) NM Color Light Brown Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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Date: February 20, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** MW-2

**Field Sample I.D. Number** MW-2 **Time** 1100

**Weather** Intermittent snow, wind 0-17 mph **Temperature** Mid 20°s F

**Sample Type:**

**Groundwater** X **Sediment**

**Surface Water/Stream** **Air**

**Soil** **Other (describe, i.e. water, septage, etc.)**

**Well Information (fill out for groundwater samples)**

**Depth to Water** 4.96 **Measurement Method**

**Depth of Well** 20.25 **Measurement Method**

**Volume Removed** 7.34 **Removal Method**

**Field Test Results**

pH 6.73 Spec Cond (mS/cm) 1.32 Turbidity (NTUs) 51

Diss. Oxygen (mg/l) 0.08 Temperature $^{o}$C 7.8 Salinity (%) NM

PID (ppm) NM Color Cloudy Odor None

Other:

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

No salinity readings.

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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Date: October 7, 2010

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk

**Sample Location/Well No.** MW-2A

**Field Sample I.D. Number** MW-2A **Time** 1155

**Weather** Mostly Cloudy, Wind SW 5-15 mph **Temperature** 60°s F

**Sample Type:**

**Groundwater** X **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** _____ **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** 3.74 **Measurement Method** _____

**Depth of Well** 12.92 **Measurement Method** _____

**Volume Removed** 4.5 **Removal Method** _____

**Field Test Results**

pH 7.96 Spec Cond (mS/cm) 1.40 Turbidity (NTUs) 7

Diss. Oxygen (mg/l) 9.23 Temperature $^{o}$C 17.0 Salinity (%) 0.06

PID (ppm) NM Color Clear Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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Date: October 7, 2010

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk

**Sample Location/Well No.** MW-3A

**Field Sample I.D. Number** MW-3A **Time** 1440

**Weather** Mostly Cloudy, Wind SW 5-15 mph **Temperature** 60°s F

**Sample Type:**

**Groundwater** X **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** _____ **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** 3.02 **Measurement Method** _____

**Depth of Well** 12.35 **Measurement Method** _____

**Volume Removed** 4.5 **Removal Method** _____

**Field Test Results**

pH 7.98 Spec Cond (mS/cm) 1.18 Turbidity (NTUs) 6

Diss. Oxygen (mg/l) 9.31 Temperature $^{o}$C 16.9 Salinity (%) 0.03

PID (ppm) NM Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

Dvirka and Bartilucci
CONSULTING ENGINEERS
A DIVISION OF WILLIAM F. COSULICH ASSOCIATES, P.C.

Date: February 20, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** MW-4

**Field Sample I.D. Number** MW-4 **Time** 1210

**Weather** Intermittent snow, wind 0-17 mph **Temperature** Mid 20°s F

**Sample Type:**

**Groundwater** X **Sediment**

**Surface Water/Stream** **Air**

**Soil** **Other (describe, i.e. water, septage, etc.)**

**Well Information (fill out for groundwater samples)**

**Depth to Water** 5.4 **Measurement Method**

**Depth of Well** 13 **Measurement Method**

**Volume Removed** 3.6 **Removal Method**

**Field Test Results**

pH 6.81 Spec Cond (mS/cm) 1.4 Turbidity (NTUs) 40

Diss. Oxygen (mg/l) 0.11 Temperature $^{o}$C 6.7 Salinity (%) NM

PID (ppm) NM Color Cloudy Odor None

Other:

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

No salinity readings.

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

Dvirka and Bartilucci
CONSULTING ENGINEERS
A DIVISION OF WILLIAM F. COSULICH ASSOCIATES, P.C.

Date: October 7, 2010

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk

**Sample Location/Well No.** MW-4

**Field Sample I.D. Number** MW-4 **Time** 1330

**Weather** Mostly Cloudy, Wind SW 5-15 mph **Temperature** 60°s F

**Sample Type:**

**Groundwater** X **Sediment**

**Surface Water/Stream** **Air**

**Soil** **Other (describe, i.e. water, septage, etc.)**

**Well Information (fill out for groundwater samples)**

**Depth to Water** 4.74 **Measurement Method**

**Depth of Well** 12.27 **Measurement Method**

**Volume Removed** 3.6 **Removal Method**

**Field Test Results**

pH 7.83 Spec Cond (mS/cm) 1.47 Turbidity (NTUs) 24

Diss. Oxygen (mg/l) 9.24 Temperature $^{o}$C 17.2 Salinity (%) 0.06

PID (ppm) NM Color Clear Odor None

Other:

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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CONSULTING ENGINEERS
A DIVISION OF WILLIAM F. COSULICH ASSOCIATES, P.C.

Date: February 20, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** MW-5

**Field Sample I.D. Number** MW-5 **Time** 1315

**Weather** Intermittent snow, wind 0-17 mph **Temperature** Mid 20°s F

**Sample Type:**

**Groundwater** X **Sediment**

**Surface Water/Stream** **Air**

**Soil** **Other (describe, i.e. water, septage, etc.)**

**Well Information (fill out for groundwater samples)**

**Depth to Water** 2.58 **Measurement Method**

**Depth of Well** 13 **Measurement Method**

**Volume Removed** 5 **Removal Method**

**Field Test Results**

pH 7.74 Spec Cond (mS/cm) 0.342 Turbidity (NTUs) 8

Diss. Oxygen (mg/l) 0.27 Temperature $^{o}$C 4.4 Salinity (%) NM

PID (ppm) NM Color Cloudy Odor None

Other:

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

No salinity readings.

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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CONSULTING ENGINEERS
A DIVISION OF WILLIAM F. COSULICH ASSOCIATES, P.C.

Date: October 7, 2010

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk

**Sample Location/Well No.** MW-5

**Field Sample I.D. Number** MW-5 **Time** 1015

**Weather** Mostly Cloudy, Wind SW 5-15 mph **Temperature**

**Sample Type:**

**Groundwater** X **Sediment**

**Surface Water/Stream** **Air**

**Soil** **Other (describe, i.e. water, septage, etc.)**

**Well Information (fill out for groundwater samples)**

**Depth to Water** 3.84 **Measurement Method**

**Depth of Well** 13.00 **Measurement Method**

**Volume Removed** 4.5 **Removal Method**

**Field Test Results**

pH 7.94 Spec Cond (mS/cm) 1.08 Turbidity (NTUs) 6

Diss. Oxygen (mg/l) 8.80 Temperature $^{o}$C 18.5 Salinity (%) 0.04

PID (ppm) NM Color Clear Odor None

Other:

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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Date: February 20, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** MW-6

**Field Sample I.D. Number** MW-6 **Time** 1350

**Weather** Intermittent snow, wind 0-17 mph **Temperature** Mid 20°s F

**Sample Type:**

**Groundwater** X **Sediment**

**Surface Water/Stream** **Air**

**Soil** **Other (describe, i.e. water, septage, etc.)**

**Well Information (fill out for groundwater samples)**

**Depth to Water** 2.53 **Measurement Method**

**Depth of Well** 13 **Measurement Method**

**Volume Removed** 5 **Removal Method**

**Field Test Results**

pH 7.38 Spec Cond (mS/cm) 0.98 Turbidity (NTUs) 53

Diss. Oxygen (mg/l) 0.12 Temperature $^{o}$C 5.2 Salinity (%) NM

PID (ppm) NM Color Cloudy Odor None

Other:

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

No salinity readings.

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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Date: October 7, 2010

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk

**Sample Location/Well No.** MW-6

**Field Sample I.D. Number** MW-6 **Time** 1125

**Weather** Mostly Cloudy, Wind SW 5-15 mph **Temperature** 60°s F

**Sample Type:**

**Groundwater** X **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** _____ **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** 2.65 **Measurement Method** _____

**Depth of Well** 12.60 **Measurement Method** _____

**Volume Removed** 4.8 **Removal Method** _____

**Field Test Results**

pH 7.79 Spec Cond (mS/cm) 1.05 Turbidity (NTUs) 8

Diss. Oxygen (mg/l) 9.60 Temperature $^{o}$C 16.5 Salinity (%) 0.04

PID (ppm) NM Color Clear Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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Date: February 20, 2008

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk/J. Magda

**Sample Location/Well No.** MW-7

**Field Sample I.D. Number** MW-7 **Time** 1440

**Weather** Intermittent snow, wind 0-17 mph **Temperature** Mid 20°s F

**Sample Type:**

**Groundwater** X **Sediment**

**Surface Water/Stream** **Air**

**Soil** **Other (describe, i.e. water, septage, etc.)**

**Well Information (fill out for groundwater samples)**

**Depth to Water** 2.61 **Measurement Method**

**Depth of Well** 14 **Measurement Method**

**Volume Removed** 5.5 **Removal Method**

**Field Test Results**

pH 7.74 Spec Cond (mS/cm) 0.744 Turbidity (NTUs) 21

Diss. Oxygen (mg/l) 0.21 Temperature $^{o}$C 3.6 Salinity (%) NM

PID (ppm) NM Color Cloudy Odor None

Other:

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

No salinity readings.

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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A DIVISION OF WILLIAM F. COSULICH ASSOCIATES, P.C.

Date: October 7, 2010

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk

**Sample Location/Well No.** MW-7

**Field Sample I.D. Number** MW-7 **Time** 1230

**Weather** Mostly Cloudy, Wind SW 5-15 mph **Temperature** 60°s F

**Sample Type:**

**Groundwater** X **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** _____ **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** 3.12 **Measurement Method** _____

**Depth of Well** 13.74 **Measurement Method** _____

**Volume Removed** 5.1 **Removal Method** _____

**Field Test Results**

pH 7.99 Spec Cond (mS/cm) 0.712 Turbidity (NTUs) 12

Diss. Oxygen (mg/l) 9.11 Temperature $^{o}$C 17.1 Salinity (%) 0.03

PID (ppm) NM Color Clear Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

Dvirka and Bartilucci
CONSULTING ENGINEERS
A DIVISION OF WILLIAM F. COSULICH ASSOCIATES, P.C.

Date: March 29, 2010

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk

**Sample Location/Well No.** MW-8

**Field Sample I.D. Number** MW-8 **Time** 1335

**Weather** Overcast; Drizzle; Wind NW @ 5-15 mph **Temperature** 45°F

**Sample Type:**

**Groundwater** X **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** _____ **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** 4.83 **Measurement Method** Heron Interface Probe

**Depth of Well** 14.45 **Measurement Method** Heron Interface Probe

**Volume Removed** 4.5 **Removal Method** Hand Bail/Disposable Bailer

**Field Test Results**

pH 7.45 Spec Cond (mS/cm) 1.30 Turbidity (NTUs) 379

Diss. Oxygen (mg/l) 9.73 Temperature $^{o}$C 8.9 Salinity (%) 0.05

PID (ppm) NC Color Cloudy Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

Dvirka and Bartilucci
CONSULTING ENGINEERS
A DIVISION OF WILLIAM F. COSULICH ASSOCIATES, P.C.

Date: October 7, 2010

# SAMPLE INFORMATION RECORD

**Site:** McKinney Property Site **Sample Crew:** D. Bishuk

**Sample Location/Well No.** MW-8

**Field Sample I.D. Number** MW-8 **Time** 0930

**Weather** Mostly Cloudy, Wind SW 5-15 mph **Temperature** 60°s F

**Sample Type:**

**Groundwater** X **Sediment** _____

**Surface Water/Stream** _____ **Air** _____

**Soil** _____ **Other (describe, i.e. water, septage, etc.)** _____

**Well Information (fill out for groundwater samples)**

**Depth to Water** 5.41 **Measurement Method** _____

**Depth of Well** 14.45 **Measurement Method** _____

**Volume Removed** 4.2 **Removal Method** _____

**Field Test Results**

pH 7.84 Spec Cond (mS/cm) 1.37 Turbidity (NTUs) 23

Diss. Oxygen (mg/l) 9.94 Temperature $^{o}$C 16.1 Salinity (%) 0.06

PID (ppm) NM Color Clear Odor None

Other: _____

**Laboratory Analyses Requested**

| | | | |
|---|---|---|---|
| TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals |
| Cyanide | | | |

**Remarks:**

**Well Casing Volumes**

| | | | | |
|---|---|---|---|---|
| **GAL/FT** | **1¼" = 0.077** | **2" = 0.16** | **3" = 0.37** | **4" = 0.65** |
| | **1½ =0.10** | **2½ " = 0.24** | **3½ = 0.50** | **6" = 1.46** |

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email: mitkem@mitkem.com

# CHAIN-OF-CUSTODY RECORD



| REPORT TO | | INVOICE TO | | |
|---|---|---|---|---|
| COMPANY Dvirka and Bartilucci | PHONE 315-437-1142 | COMPANY | PHONE | LAB PROJECT #: |
| NAME James Magda | FAX 315-437-1282 | NAME SAME | FAX | |
| ADDRESS 5871 Fisher Road, PO Box 56 | | ADDRESS | | TURNAROUND TIME: Standard |
| CITY/ST/ZIP East Syracuse, NY, 13057 | | CITY/ST/ZIP | | |

| CLIENT PROJECT NAME: | CLIENT PROJECT #: | CLIENT P.O.#: |
|---|---|---|
| McKinney Property Site | 2576 | 2576-02 |

| SAMPLE IDENTIFICATION | DATE/TIME SAMPLED | COMPOSITE | GRAB | WATER | SOIL | OTHER | LAB ID | # OF CONTAINERS | TCL voc's | TCL svoc's | TCL Pest/PCB's | TAL Metals | Cyanide | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SSRI-2(0-0.1) | 2/5/08 1105 | | X | | X | | | 2 | | X | X | X | X | |
| SSRI-2(0.5-1.0) | 2/5/08 1130 | | X | | X | | | 2 | | X | X | X | X | |
| SSRI-2(1.5-2.0) | 2/5/08 1203 | | X | | X | | | 3 | X | X | X | X | X | |
| SSRI-3(0-0.1) | 2/5/08 1221 | | X | | X | | | 2 | | X | X | X | X | |
| SSRI-3(0.5-1.0) | 2/5/08 1233 | | X | | X | | | 2 | | X | X | X | X | |
| SSRI-3(1.5-2.0) | 2/5/08 1248 | | X | | X | | | 3 | X | X | X | X | X | |
| SSRI-4(0-0.1) | 2/5/08 1306 | | X | | X | | | 2 | | X | X | X | X | |
| SSRI-4(0.5-1.0) | 2/5/08 1319 | | X | | X | | | 2 | | X | X | X | X | |
| SSRI-4(1.5-2.0) | 2/5/08 1330 | | X | | X | | | 3 | X | X | X | X | X | |
| SSRI-5(0-0.1) | 2/5/08 1349 | | X | | X | | | 2 | | X | X | X | X | |
| SSRI-5(0.5-1.0) | 2/5/08 1401 | | X | | X | | | 2 | | X | X | X | X | |
| SSRI-5(1.5-2.0) | 2/5/08 1416 | | X | | X | | | 3 | X | X | X | X | X | |

| TSF# | RELINQUISHED BY | DATE/TIME | ACCEPTED BY | DATE/TIME | ADDITIONAL REMARKS: | COOLER TEMP: |
|---|---|---|---|---|---|---|
| | | 2/6/08 1745 | FedEx | 2/6/08 1745 | NYSDEC ASP latest revision | |
| | | / | | / | | |
| | | / | | / | | |

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email: mitkem@mitkem.com

# CHAIN-OF-CUSTODY RECORD



| REPORT TO | | INVOICE TO | | |
|---|---|---|---|---|
| COMPANY: Dirka and Bartilucci | PHONE: 315-437-1142 | COMPANY | PHONE | LAB PROJECT #: |
| NAME: James Magda | FAX: 315-437-1282 | NAME | FAX | |
| ADDRESS: 5879 Fisher Road, PO Box 56 | | ADDRESS: SAME | | TURNAROUND TIME: Standard |
| CITY/ST/ZIP: East Syracuse, NY 13057 | | CITY/ST/ZIP | | |

CLIENT PROJECT NAME: McKinney Property site
CLIENT PROJECT #: 2576
CLIENT P.O.#: 2576-02

REQUESTED ANALYSES: TCL VOCs; TCL SVOCs; TCL Pest/PCBs; TAL metals; cyanide

| SAMPLE IDENTIFICATION | DATE/TIME SAMPLED | COMPOSITE | GRAB | WATER | SOIL | OTHER | LAB ID | # OF CONTAINERS | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|
| SSRI-6(0-0.1) | 2/5/08 1436 | | X | | X | | | 2 | |
| SSRI-6(0.5-1.0) | 2/5/08 1453 | | X | | X | | | 2 | |
| SSRI-6(1.5-2.0) | 2/5/08 1505 | | X | | X | | | 3 | |
| SSRI-7(0-0.1) | 2/5/08 1529 | | X | | X | | | 2 | |
| SSRI-7(0.5-1.0) | 2/5/08 1542 | | X | | X | | | 2 | |
| SSRI-7(1.5-2.0) | 2/5/08 1603 | | X | | X | | | 3 | |
| SSRI-1(0-0.1) | 2/5/08 1630 | | X | | X | | | 2 | |
| SSRI-1(0.5-1.0) | 2/5/08 1646 | | X | | X | | | 2 | |
| SSRI-1(1.5-2.0) | 2/5/08 1657 | | X | | X | | | 3 | |
| BD-1 | 2/5/08 — | | X | | X | | | 2 | |
| SSRI-8(0-0.1) | 2/6/08 0925 | | X | | X | | | 2 | |
| SSRI-8(0.5-1.0) | 2/6/08 0937 | | X | | X | | | 2 | |

| TSF# | RELINQUISHED BY | DATE/TIME | ACCEPTED BY | DATE/TIME | ADDITIONAL REMARKS: | COOLER TEMP: |
|---|---|---|---|---|---|---|
| | [signature] | 2/6/08 1745 | FedEx | 2/6/08 1745 | NYSDEC ASP latest revision | |
| | | / | | / | | |
| | | / | | / | | |

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Warwick, Rhode Island 02886-1755
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email: mitkem@mitkem.com

# CHAIN-OF-CUSTODY RECORD



| REPORT TO | | INVOICE TO | | |
|---|---|---|---|---|
| COMPANY Drinka and Bartilucci | PHONE 315-437-1142 | COMPANY | PHONE | LAB PROJECT #: |
| NAME James Magda | FAX 315-437-1282 | NAME | FAX | |
| ADDRESS 5879 Fisher Road, PO Box 56 | | ADDRESS SAME | | TURNAROUND TIME: |
| CITY/ST/ZIP East Syracuse, NY 13057 | | CITY/ST/ZIP | | Standard |

| CLIENT PROJECT NAME: | CLIENT PROJECT #: | CLIENT P.O.#: |
|---|---|---|
| McKinney Property site | 2576 | 2576-02 |

| SAMPLE IDENTIFICATION | DATE/TIME SAMPLED | COMPOSITE | GRAB | WATER | SOIL | OTHER | LAB ID | # OF CONTAINERS | TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL metals | cyanide | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SSRI-8(1.5-2.0) | 2/6/08 0952 | | X | | X | | | 3 | X | X | X | X | X | |
| SSRI-9(0-0.1) | 2/6/08 1012 | | X | | X | | | 2 | | X | X | X | X | |
| SSRI-9(0.5-1.0) | 2/6/08 1019 | | X | | X | | | 2 | | X | X | X | X | |
| SSRI-9(1.5-2.0) | 2/6/08 1025 | | X | | X | | | 3 | X | X | X | X | X | |
| SSRI-11(0-0.1) | 2/6/08 1058 | | X | | X | | | 2 | | X | X | X | X | |
| SSRI-12(0-0.1) | 2/6/08 1152 1515 | | X | | X | | | 2 | | X | X | X | X | |
| SSRI-12(0.5-1.0) | 2/6/08 1122 | | X | | X | | | 2 | | X | X | X | X | |
| SSRI-12(1.5-2.0) | 2/6/08 1140 | | X | | X | | | 3 | X | X | X | X | X | |
| SSRI-13(0-0.1) | 2/6/08 1204 | | X | | X | | | 2 | | X | X | X | X | |
| SSRI-13(0.5-1.0) | 2/6/08 1218 | | X | | X | | | 2 | | X | X | X | X | |
| SSRI-13(1.5-2.0) | 2/6/08 1241 | | X | | X | | | 3 | X | X | X | X | X | |
| SSRI-14(0-0.1) | 2/6/08 1340 | | X | | X | | | 2 | | X | X | X | X | |

| TSF# | RELINQUISHED BY | DATE/TIME | ACCEPTED BY | DATE/TIME | ADDITIONAL REMARKS: | COOLER TEMP: |
|---|---|---|---|---|---|---|
| | | 2/6/08 1745 | FedEx | 2/6/08 1745 | NYSDEC ASP latest revision | |
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MITKEM CORPORATION
175 Metro Center Boulevard
Warwick, Rhode Island 02886-1755
(401) 732-3400 • Fax (401) 732-3499
email: mitkem@mitkem.com

# CHAIN-OF-CUSTODY RECORD



| REPORT TO | | INVOICE TO | | |
|---|---|---|---|---|
| COMPANY: Dvirka and Bartilucci | PHONE: 315-437-1142 | COMPANY | PHONE | LAB PROJECT #: |
| NAME: James Magda | FAX: 315-437-1282 | NAME | FAX | |
| ADDRESS: 5879 Fisher Road, PO Box 56 | | ADDRESS: SAME | | TURNAROUND TIME: |
| CITY/ST/ZIP: East Syracuse, NY 13057 | | CITY/ST/ZIP | | Standard |

CLIENT PROJECT NAME: McKinney Property Site
CLIENT PROJECT #: 2576
CLIENT P.O.#: 2576-02

| SAMPLE IDENTIFICATION | DATE/TIME SAMPLED | COMPOSITE | GRAB | WATER | SOIL | OTHER | LAB ID | # OF CONTAINERS | REQUESTED ANALYSES: TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals | Cyanide | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SSRI-14(0.5-1.0) | 2/6/08 1401 | | X | | X | | | 2 | | X | X | X | X | |
| SSRI-14(1.5-2.0) | 2/6/08 1412 | | X | | X | | | 3 | X | X | X | X | X | |
| SSRI-15(0-0.1) | 2/6/08 1431 | | X | | X | | | 2 | | X | X | X | X | |
| SSRI-15(0.5-1.0) | 2/6/08 1439 | | X | | X | | | 2 | | X | X | X | X | |
| SSRI-15(1.5-2.0) | 2/6/08 1501 | | X | | X | | | 3 | X | X | X | X | X | |
| BD-2 | 2/6/08 — | | X | | X | | | 2 | | X | X | X | X | |
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| TSF# | RELINQUISHED BY | DATE/TIME | ACCEPTED BY | DATE/TIME | ADDITIONAL REMARKS: | COOLER TEMP: |
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| | [signature] | 2/6/08 1745 | FedEx | 2/6/08 1745 | NYSDEC ASP latest revision | |
| | | / | | / | | |
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email: mitkem@mitkem.com

# CHAIN-OF-CUSTODY RECORD



| REPORT TO | | INVOICE TO | | |
|---|---|---|---|---|
| COMPANY Dvirka and Bartilucci | PHONE 315-437-1142 | COMPANY | PHONE | LAB PROJECT #: |
| NAME James Magda | FAX 315-437-1282 | NAME | FAX | |
| ADDRESS 5879 Fisher Road, PO Box 56 | | ADDRESS SAME | | TURNAROUND TIME: Standard |
| CITY/ST/ZIP East Syracuse, NY 13057 | | CITY/ST/ZIP | | |

| CLIENT PROJECT NAME: | CLIENT PROJECT #: | CLIENT P.O.#: |
|---|---|---|
| McKinney Property Site | 2576 | 2576-02 |

| SAMPLE IDENTIFICATION | DATE/TIME SAMPLED | COMPOSITE | GRAB | WATER | SOIL | OTHER | LAB ID | # OF CONTAINERS | TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals | Cyanide | | | | | | | | | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SBRI-1 (2-4) | 2/19/08 1025 | | X | | X | | | 3 | X | X | X | X | X | | | | | | | | | |
| SBRI-1 (8-10) | 2/19/08 1055 | | X | | X | | | 3 | X | X | X | X | X | | | | | | | | | |
| SBRI-2 (2-4) | 2/19/08 1045 | | X | | X | | | 3 | X | X | X | X | X | | | | | | | | | |
| SBRI-2 (9-11) | 2/19/08 1310 | | X | | X | | | 3 | X | X | X | X | X | | | | | | | | | |
| SBRI-3 (2-4) | 2/19/08 1255 | | X | | X | | | 3 | X | X | X | X | X | | | | | | | | | |
| SBRI-4 (2-4) | 2/19/08 1435 | | X | | X | | | 3 | X | X | X | X | X | | | | | | | | | |
| SBRI-4 (5-10) | 2/19/08 1505 | | X | | X | | | 3 | X | X | X | X | X | | | | | | | | | |
| SBRI-5 (2-4) | 2/19/08 1540 | | X | | X | | | 3 | X | X | X | X | X | | | | | | | | | |
| SBRI-5 (8-10) | 2/19/08 1615 | | X | | X | | | 3 | X | X | X | X | X | | | | | | | | | |
| SBRI-3 (7-9) | 2/20/08 0910 | | X | | X | | | 3 | X | X | X | X | X | | | | | | | | | |
| SBRI-6 (4-6) | 2/20/08 1545 | | X | | X | | | 3 | X | X | X | X | X | | | | | | | | | |
| SBRI-6 (8-10) | 2/20/08 1555 | | X | | X | | | 3 | X | X | X | X | X | | | | | | | | | |

| TSF# | RELINQUISHED BY | DATE/TIME | ACCEPTED BY | DATE/TIME | ADDITIONAL REMARKS: | COOLER TEMP: |
|---|---|---|---|---|---|---|
| | [signature] | 2/20/08 1900 | FedEx | 2/20/08 1900 | NYSDEC ASP Latest revision | |
| | | / | | / | | |
| | | / | | / | | |

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email: mitkem@mitkem.com

# CHAIN-OF-CUSTODY RECORD



| REPORT TO | | INVOICE TO | | |
|---|---|---|---|---|
| COMPANY: Drinka and Bantiucci | PHONE: 315-437-1142 | COMPANY | PHONE | LAB PROJECT #: |
| NAME: James Magda | FAX: 315-437-1282 | NAME | FAX | |
| ADDRESS: 5579 Fisher Road, Po Box 56 | | ADDRESS: SAME | | TURNAROUND TIME: Standard |
| CITY/ST/ZIP: East Syracuse, NY 13057 | | CITY/ST/ZIP | | |

CLIENT PROJECT NAME: McKinney Property Site | CLIENT PROJECT #: 2576 | CLIENT P.O.#: 2576-02

| SAMPLE IDENTIFICATION | DATE/TIME SAMPLED | COMPOSITE | GRAB | WATER | SOIL | OTHER | LAB ID | # OF CONTAINERS | TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals | cyanide | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DUP | 2/19/08 — | | X | | X | | | 3 | X | X | X | X | X | |
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| TSF# | RELINQUISHED BY | DATE/TIME | ACCEPTED BY | DATE/TIME |
|---|---|---|---|---|
| | [signature] | 2/20/08 1900 | FedEx | 2/20/08 1900 |
| | | / | | / |
| | | / | | / |

ADDITIONAL REMARKS: NYSDEC ASP Latest revision

COOLER TEMP:

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email: mitkem@mitkem.com

# CHAIN-OF-CUSTODY RECORD



| REPORT TO | | INVOICE TO | | |
|---|---|---|---|---|
| COMPANY: Dvirka and Bartilucci | PHONE: 315-437-1142 | COMPANY | PHONE | LAB PROJECT #: |
| NAME: James Hayda | FAX: 315-437-1282 | NAME | FAX | |
| ADDRESS: 5979 Fisher Road, PO Box 56 | | ADDRESS: SAME | | TURNAROUND TIME: Standard |
| CITY/ST/ZIP: East Syracuse, NY 13057 | | CITY/ST/ZIP | | |

| CLIENT PROJECT NAME: | CLIENT PROJECT #: | CLIENT P.O.#: |
|---|---|---|
| McKinney Property site | 2576 | 2576-02 |

| SAMPLE IDENTIFICATION | DATE/TIME SAMPLED | COMPOSITE | GRAB | WATER | SOIL | OTHER | LAB ID | # OF CONTAINERS | TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals | Cyanide | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SBRI-7(2-4) | 2/21/08 1010 | | X | | X | | | 3 | X | X | X | X | X | |
| SBRI-7(8-10) | 2/21/08 1040 | | X | | X | | | 3 | X | X | X | X | X | |
| SBRI-8(6-8) | 2/21/08 1325 | | X | | X | | | 3 | X | X | X | X | X | |
| SBRI-8(8-10) | 2/21/08 1335 | | X | | X | | | 3 | X | X | X | X | X | |
| SSRI-11(0.5-1) | 2/22/08 0805 | | X | | X | | | 2 | | X | X | X | X | |
| SSRI-11(1.5-2) | 2/22/08 0815 | | X | | X | | | 3 | X | X | X | X | X | |
| SSRI-16(0-0.1) | 2/22/08 0835 | | X | | X | | | 2 | | X | X | X | X | |
| SSRI-16(0.5-1) | 2/22/08 0845 | | X | | X | | | 2 | | X | X | X | X | |
| SSRI-16(1.5-2) | 2/22/08 0855 | | X | | X | | | 3 | X | X | X | X | X | |
| SSRI-18(0-0.1) | 2/22/08 0920 | | X | | X | | | 2 | | X | X | X | X | |
| SSRI-18(0.5-1) | 2/22/08 0935 | | X | | X | | | 2 | | X | X | X | X | |
| SSRI-18(1.5-2) | 2/22/08 0955 | | X | | X | | | 3 | X | X | X | X | X | |

| TSF# | RELINQUISHED BY | DATE/TIME | ACCEPTED BY | DATE/TIME | ADDITIONAL REMARKS: | COOLER TEMP: |
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| | [signature] | 2/22/08 1800 | FedEx | 2/22/08 1800 | NYSDEC ASP latest revision | |
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# CHAIN-OF-CUSTODY RECORD



| REPORT TO | | INVOICE TO | | |
|---|---|---|---|---|
| COMPANY Dvirka and Bartilucci | PHONE 315-437-1142 | COMPANY | PHONE | LAB PROJECT #: |
| NAME James Magda | FAX 315-437-1282 | NAME | FAX | |
| ADDRESS 5879 Fisher Road, PO Box 56 | | ADDRESS SAME | | TURNAROUND TIME: Standard |
| CITY/ST/ZIP East Syracuse, NY 13057 | | CITY/ST/ZIP | | |

| CLIENT PROJECT NAME: | CLIENT PROJECT #: | CLIENT P.O.#: |
|---|---|---|
| McKinney Property Site | 2576 | 2576-02 |

| SAMPLE IDENTIFICATION | DATE/TIME SAMPLED | COMPOSITE | GRAB | WATER | SOIL | OTHER | LAB ID | # OF CONTAINERS | REQUESTED ANALYSES: TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL Metals | Cyanide | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SSRI-19(0-0.1) | 2/22/08 1030 | | X | | X | | | 2 | | X | X | X | X | |
| SSRI-19(0.5-1) | 2/22/08 1035 | | X | | X | | | 2 | | X | X | X | X | |
| SSRI-19(1.5-2.0) | 2/22/08 1045 | | X | | X | | | 3 | X | X | X | X | X | |
| SSRI-20(0-0.1) | 2/22/08 1100 | | X | | X | | | 2 | | X | X | X | X | |
| SSRI-20(0.5-1) | 2/22/08 1110 | | X | | X | | | 2 | | X | X | X | X | |
| SSRI-20(1.5-2.0) | 2/22/08 1120 | | X | | X | | | 3 | X | X | X | X | X | |
| SSRI-17(0-0.1) | 2/22/08 1210 | | X | | X | | | 2 | | X | X | X | X | |
| SSRI-17(0.5-1) | 2/22/08 1225 | | X | | X | | | 2 | | X | X | X | X | |
| SSRI-17(1.5-2) | 2/22/08 1240 | | X | | X | | | 3 | X | X | X | X | X | |
| SSRI-10(0-0.1) | 2/22/08 1300 | | X | | X | | | 2 | | X | X | X | X | |
| SSRI-10(0.5-1) | 2/22/08 1310 | | X | | X | | | 2 | | X | X | X | X | |
| SSRI-10(1.5-2) | 2/22/08 1320 | | X | | X | | | 3 | X | X | X | X | X | |

| TSF# | RELINQUISHED BY | DATE/TIME | ACCEPTED BY | DATE/TIME | ADDITIONAL REMARKS: | COOLER TEMP: |
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| | | 2/22/08 1600 | FedEx | 2/22/08 1600 | NYSDEC ASP latest revision | |
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Warwick, Rhode Island 02886-1755
(401) 732-3400 • Fax (401) 732-3499
email: mitkem@mitkem.com

# CHAIN-OF-CUSTODY RECORD



| REPORT TO | | INVOICE TO | | |
|---|---|---|---|---|
| COMPANY: Dvirka and Bartilucci | PHONE: 315-437-1142 | COMPANY | PHONE | LAB PROJECT #: |
| NAME: James Magda | FAX: 315-437-1282 | NAME | FAX | |
| ADDRESS: 5879 Fisher Road, PO Box 56 | | ADDRESS: SAME | | TURNAROUND TIME: Standard |
| CITY/ST/ZIP: East Syracuse, NY 13057 | | CITY/ST/ZIP | | |

| CLIENT PROJECT NAME: | CLIENT PROJECT #: | CLIENT P.O.#: |
|---|---|---|
| McKinney Property Site | 2576 | 2576-02 |

| SAMPLE IDENTIFICATION | DATE/TIME SAMPLED | COMPOSITE | GRAB | WATER | SOIL | OTHER | LAB ID | # OF CONTAINERS | TCL VOCs | TCL SVOCs | TCL Pest/PCBs | TAL metals | cyanide | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DUP-2 | 2/22/05 | | X | | X | | | 3 | X | X | X | X | X | |
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| TSF# | RELINQUISHED BY | DATE/TIME | ACCEPTED BY | DATE/TIME | ADDITIONAL REMARKS: | COOLER TEMP: |
|---|---|---|---|---|---|---|
| | [signature] | 2/22/05 1600 | FedEx | 2/22/05 1600 | NYSDEC ASP latest revision | |
| | | / | | / | | |
| | | / | | / | | |

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**Centek Laboratories, LLC** — **Chain of Custody**


43 Midler Park Drive
Syracuse, NY 13206
Phone: 315-431-9730 Fax: 315-431-9731 Emergency: 315-416-2761 / 416-2762.


Site Name: McKinney Site
Project: 2576
PO#: 2576-025
Other:

| Detection Limit | Report Level |
|---|---|
| ☐ 5ppbv | ☐ Level I |
| ☐ 1ug/M3 | ☐ Level II |
| ☑ 1ug/M3 +TCE .25 | ☑ Cat "B" Like |

| Turnaround Time: | Check One | Rush TAT Surcharge % | Due Date: |
|---|---|---|---|
| 5 Business Days | ☑ | 0% | 10/2/08 |
| 4 Business Days | ☐ | 35% | |
| 3 Business Days | ☐ | 50% | |
| 2 Business Days | ☐ | 75% | |
| Next Day by 5pm | ☐ | 100% | |
| Next Day by Noon | ☐ | 150% | |
| Same Day | ☐ | 200% | |

Company: Dvirka and Bartilucci

Report: James Magda
5879 Fisher Road
East Syracuse, NY 13057

Phone: 315-437-1142
Fax: 315-437-1262
Email: jmagda@dbsyracuse.com

Company:

Invoice: SAME

Phone:
Fax:
Email:

| Sample ID | Date Sampled | Canister Number | Regulator Number | Analysis Request | Comments | Vacuum Start/Stop |
|---|---|---|---|---|---|---|
| ~~AA-1~~ JM | ~~9/25/08~~ JM | | | | | |
| AA-1 | 9/25/08 | 369 | 145 | Std 17 VOCs TO-15 | | ~~30/5~~ 5 30/10 |
| SV-4 | 9/25/08 | 353 | 143 | Std 17 VOCs TO-15 | | 30/5 |

| Chain of Custody | Print Name | Signature | Date/Time | Courier: |
|---|---|---|---|---|
| Sampled by: | Daniel Bishuk Jr. | Daniel Bishuk Jr. | 9/25/08 | 15:30 |
| Relinquished by: | | | | |
| Received at Lab by: | M. Pelan | M. Pal | 9/26/08 | 15:30 |

www.CentekLabs.com

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*Featuring*
HANIBAL TECHNOLOGY

# CHAIN OF CUSTODY RECORD

Page 1 of 1

**Special Handling:**
- ☒ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: _____
Dvirka and Bartilucci Consulting Engineers
5879 Fisher Road, P.O. Box 56
East Syracuse, NY 13057
Telephone #: (315) 437-1142
Project Mgr. James Magda

Invoice To: SAME

P.O. No.: _____ RQN: _____

Project No.: 257602
Site Name: McKinney Property
Location: Syracuse State: NY
Sampler(s): Daniel Bishuk Jr. Daniel Bishuk Jr.

1=$Na_2S2O_3$ 2=HCl 3=$H_2SO_4$ 4=$HNO_3$ 5=NaOH 6=Ascorbic Acid 7=$CH_3OH$
8= $NaHSO_4$ 9= None (Ice Only) 10= _____ 11= _____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= _____ X2= _____ X3= _____

G=Grab C=Composite

List preservative code below: 2 9 9 9 4 5

Containers: # of VOA Vials | # of Amber Glass | # of Clear Glass | # of Plastic

Analyses: ASP OLM 04.2 — TCL VOC | TCL SVOC | TCL PCB | TCL Pest | TAL Metals ASP ILM 04.0 | Cyanide ASP 335.2

| Lab Id: | Sample Id: | Date: | Time: | Type | Matrix | # of VOA Vials | # of Amber Glass | # of Clear Glass | # of Plastic | TCL VOC | TCL SVOC | TCL PCB | TCL Pest | TAL Metals ASP ILM 04.0 | Cyanide ASP 335.2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 01 | MW-8 | 3/29/10 | 13:35 | G | GW | 3 | 4 | | 2 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 02 | TRIP BLANK | 3/29/10 | — | G | GW | 2 | | | | ✓ | | | | | |

QA/QC Reporting Notes: (check as needed)
- ☐ Provide MA DEP MCP CAM Report
- ☐ Provide CT DPH RCP Report

**QA/QC Reporting Level**
☐ Standard ☐ No QC
☐ Other _____

State specific reporting standards: Category B Deliverables

NOTE:
NYSDEC ASP
Latest Version

| Relinquished by: | Received by: | Date: | Time: | Temp°C |
|---|---|---|---|---|
| Daniel Bishuk Jr. | | 3/29/10 | 17:00 | |
| | | 3/30/10 | 9:05 | 2 |

☒ EDD Format _____
☐ E-mail to _____

☐ Ambient ☒ Iced ☐ Refrigerated ☐ Fridge temp ___ °C ☐ Freezer temp ___ °C

11 Almgren Drive • Agawam, MA 01001 • 413-789-9018 • FAX 413-789-4076 • www.spectrum-analytical.com

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A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

# CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
TAT- Indicate Date Needed: Standard TAT
· All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
· Samples disposed of after 30 days unless otherwise instructed.

Report To: Dvirka and Bartilucci Consulting Engineers
5879 Fisher Road, P.O. Box 56
East Syracuse, NY 13057
Project Mgr.: James Magda

Invoice To: SAME
P.O. No.: 2576 RQN:

Project No.: 2576
Site Name: McKinney Property
Location: Syracuse State: NY
Sampler(s): Daniel Bishuk Jr.

1=$Na_2S_2O_3$ 2=HCl 3=$H_2SO_4$ 4=$HNO_3$ 5=NaOH 6=Ascorbic Acid 7=$CH_3OH$
8= $NaHSO_4$ 9= None Ice Only 10=_____ 11=_____

List preservative code below: 9 9 9 9 4 5

Notes:

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1=Deionized Water X2=_____ X3=_____

G=Grab C=Composite

| Lab Id: | Sample Id: | Date: | Time: | Type | Matrix | Containers: # of VOA Vials | # of Amber Glass | # of Clear Glass | # of Plastic | Analyses: TAL VOC | TCL SVOC | Pesticides SOM 1.2 | PCBs SOM 1.2 | TAL Metals | Cyanide |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 01 | MW-1A | 10/7/10 | 10:50 | G | GW | 2 | 4 | 0 | 2 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 02 | MW-2A | | 11:55 | G | GW | 2 | 4 | 0 | 2 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 03 | MW-3A | | 14:40 | G | GW | 2 | 4 | 0 | 2 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 04 | MW-4 | | 13:30 | G | GW | 6 | 12 | 0 | 6 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 05 | MW-5 | | 10:15 | G | GW | 2 | 4 | 0 | 2 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 06 | MW-6 | | 11:25 | G | GW | 2 | 4 | 0 | 2 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 07 | MW-7 | | 12:30 | G | GW | 2 | 4 | 0 | 2 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 08 | MW-8 | | 09:30 | G | GW | 2 | 4 | 0 | 2 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 09 | Trip Blank | 10/7/10 | — | G | X1 | 1 | 0 | 0 | 0 | ✓ | | | | | |

Extra Volume Provided for MS & MSD analyses

QA/QC Reporting Level
☐ Level I ☐ Level II
☐ Level III ☐ Level IV
☒ Other ASP Category B Deliverables
State specific reporting standards: Latest Revision of NYSDEC ASP Methodology

☒ E-mail to jmagda@dbsyracuse.com
EDD Format YES

Condition upon receipt: ☑ Iced ☐ Ambient ☐ °C 3.°C

| Relinquished by: | Received by: | Date: | Time: |
|---|---|---|---|
| Daniel Bishuk Jr. | | 10/7/10 | 17:00 |
| | UA | 10/8 | 1:45 |

**OP-TECH**
ENVIRONMENTAL SERVICES, INC.

6392 Deere Road
Syracuse, New York 13206

# CHAIN OF CUSTODY RECORD

JOB NO. 31-553 W.I.P. NO. _____ SPECIAL REPORTING REQUIREMENTS (other than mail): ☑ PHONE NO.: 467-1443

SITE LOCATION Burt + McBride St CONTACT: Tom Rengert ☐ FAX NO.: _____

**Turn Around Time**
- 24-HOUR ☐
- 48-HOUR ☐
- NORMAL ☒
- OTHER ☐ _____

**Special Detection Limits**
Yes ☐ No ☑ (Specify)

**Special QA/QC Level**
Yes ☐ No ☑ (Specify)

**CONTAINER TYPE:**
V - VOA VIALS
G - GLASS
P - PLASTIC
O - OTHER _____

**TYPE OF SAMPLE:**
G-GRAB
C-COMPOSITE
W-WIPE
SS-SURFACE SCRAPE
OT-OTHER (SPECIFY) _____

21.2°

| SAMPLE I.D. | DATE | TIME | CONTAINER: NUMBER | CONTAINER: SIZE | CONTAINER: TYPE | MATRIX: GROUNDWATER | MATRIX: SOIL | MATRIX: AIR | MATRIX: SLUDGE | MATRIX: OTHER | TYPE (ENTER CODE) | PRESERVATIVE: HCl | $Na_2S_2O_3$ | $HNO_3$ | $H_2SO_4$ | Ice (4°C) | Teflon Liner | Filtered | Other |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Basement | 9/23/09 | 2:30 | 2 | 1L | G | X | | | | | | | | | | | | | X |
| Sump | 9/23/09 | 2:30 | 2 | 1L | G | X | | | | | | | | | | | | | X |

**Analysis Requested**

CORROS ☐ FLASH ☐ REACT ☐ pH ☐
TCLP: METALS ☐ VOA ☐ SEMI-VOA ☐
TCLP: PEST ☐ HERB ☐
TOTAL METALS ☐ LIST:
OIL AND GREASE: EPA 413.1 ☐ EPA 413.2 ☐
TPH: EPA 418.1(IR) ☐ NYS DOH 310-13(GC) ☐
EPA 503.1 ☐ EPA 502.2 ☐ EPA 524 ☐
EPA 601 ☐ EPA 8010 ☐ EPA 8021 ☐ with ANILINE ☐ EPA ☐
EPA 608 ☐ EPA 8080 ☐ PCB ONLY ☐
EPA 610 ☐ EPA 8310 ☐
EPA 624 ☐ EPA 8240 ☐ (+15) ☐ EPA 8260 ☐
EPA 625 ☐ EPA 8270 ☐ (+25) ☐ EPA 8250 ☐
TARGET COMPOUND LIST ☐ (+30) ☐

8260 8270 PCB

**Special Instructions**

Comments
522950 MS
522951
522952
522953 MSD
522954
522955

**Custody Transfers**

| | | DATE | TIME | | DATE | TIME |
|---|---|---|---|---|---|---|
| SAMPLED BY: | | 9/23/09 | 2:30 | RECEIVED BY: | | |
| RELINQUISHED BY: | Jason Moore | 9/23/09 | 15:30 | RECEIVED BY: | | |
| RELINQUISHED BY: | | | | RECEIVED AT LAB BY: | 9/23/09 | 1530 |
| LABORATORY: | | | | ADDRESS: | | |

White - LABORATORY Canary - JOB FILE Pink - SUPERVISOR

2202.066.9205

No. 2719 P. 7

OP-TECH
ENVIRONMENTAL SERVICES, INC.
6392 Deere Road
Syracuse, New York 13206

238867

# CHAIN OF CUSTODY RECORD

JOB NO. SSHA0003 W.I.P. NO. _____ SPECIAL REPORTING REQUIREMENTS (other than mail): ☑ PHONE NO. (315) 422-2489

SITE LOCATION 1426 South McBride St Syracuse CONTACT: Tom Reagert ☐ FAX NO.: _____

**Turn Around Time**
24-HOUR ☐
48-HOUR ☐
NORMAL ☒
OTHER ☐ _____

**Special Detection Limits**
Yes ☐ No ☐
(Specify)

**Special QA/QC Level**
Yes ☐ No ☐
(Specify)

**CONTAINER TYPE:**
V - VOA VIALS
G - GLASS
P- PLASTIC
O- OTHER _____

**TYPE OF SAMPLE:**
G-GRAB
C-COMPOSITE
W-WIPE
SS-SURFACE SCRAPE
OT-OTHER (SPECIFY) _____

| SAMPLE I.D. | DATE | TIME | CONTAINER: NUMBER | CONTAINER: SIZE | CONTAINER: TYPE | MATRIX: GROUNDWATER | MATRIX: SOIL | MATRIX: AIR | MATRIX: SLUDGE | MATRIX: OTHER | TYPE (ENTER CODE) | PRESERVATIVE: HCl | PRESERVATIVE: $Na_2S_2O_3$ | PRESERVATIVE: $HNO_3$ | PRESERVATIVE: $H_2SO_4$ | PRESERVATIVE: Ice (4°C) | PRESERVATIVE: Teflon Liner | PRESERVATIVE: Filtered | PRESERVATIVE: Other _____ | Analysis Requested | Special Instructions |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| #1 | 10/29 CB | 1430 | 1 | | G | | X | | | | | | | | | | | | | X | 526375 PM/3 |
| #2 | 10/29 CB | 1430 | 2 | | G | | X | | | | | | | | | | | | | X | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |

Analysis Requested: CORROS ☐ FLASH ☐ REACT ☐ pH ☐; TCLP: METALS ☐ VOA ☐ SEMI-VOA ☐; TCLP: PEST ☐ HERB ☐; TOTAL METALS ☒ LIST: ☐; OIL AND GREASE: EPA 413.1 ☐ EPA 413.2 ☐; TPH: EPA 418.1 (IR) ☐ NYS DOH 310-13 (GC) ☐; EPA 502.2 ☐ EPA 524 ☐; EPA 503.1 ☐ EPA 601 ☐ EPA 8010 ☐ EPA 8021 ☐ EPA 8260 ☐ EPA 624 ☐ EPA 8240 ☐ (+15) ☐ EPA 8260 ☒; EPA 608 ☐ EPA 8080 ☐ PCB ONLY ☒; EPA 610 ☐ EPA 8310 ☐; EPA 625 ☐ EPA 8270 ☐ (+25) ☐ EPA 8250 ☐; TARGET COMPOUND LIST ☐ (+30) ☐

**Comments**

**Custody Transfers**

| | DATE | TIME | | DATE | TIME |
|---|---|---|---|---|---|
| SAMPLED BY: Chris Bell | 10/29 | 1500 | RECEIVED BY: | | |
| RELINQUISHED BY: CBell | 10/29 | 1535 | RECEIVED BY: | | |
| RELINQUISHED BY: | | | RECEIVED AT LAB BY: | 10/30 | 1535 |
| LABORATORY: | | | ADDRESS: | | |

Pink - SUPERVISOR

Dec. 6. 2010 2:43PM

## FedEx Express Multiweight - Shipper Detail (Original)

Dropped off: Feb 06, 2008 | Service Type: FedEx Standard Overnight | Svc Area: A1
Payor: Shipper | Rate Method: Hundredwt | Rated Wgt: 107.0 lbs, 48.6 kgs
Bundle ID: N/A | Zone: 03 | # Packages: 1
Package Type: Customer Packaging | Automation: iNET

| Sender | Recipient |
|---|---|
| James Magda | Agnes Ng |
| Dvirka and Bartilucci | Mitken Corporation |
| P.O. Box 56, 5879 Fisher Road | 175 Metro Center Boulevard |
| EAST SYRACUSE NY 13057 US | WARWICK RI 02886 US |

| Tracking ID | Delivered/Signed By | Rated Weight/Actual Weight | FedEx Use | Cust. Ref./Ref.#2/Ref.#3/RMA # | Amount |
|---|---|---|---|---|---|
| 790933850916 | Feb 07, 2008 08:48 | 107.0 lbs, 48.6 kgs | 000000000/0001304/_ | 2576-02 | 279.02 |
| | .VPEIRCE | 65.0 lbs, 29.5 kgs | | | |

- Fuel Surcharge - FedEx has applied a fuel surcharge of 18.50% to this shipment.
- Distance Based Pricing, Zone 3
- FedEx has audited this shipment for correct packages, weight, and service. Any changes made are reflected in the invoice amount.
- We calculated your charges based on a dimensional weight of 107.0 lbs., 36" x 24" x 24", divided by 194.
- Your package/shipment was charged an Oversize Charge because it exceeded the maximum combined length/girth of 130" or it exceeded the maximum length of 108".

| | | |
|---|---|---|
| Transportation Charge | | 190.46 |
| Fuel Surcharge | | 43.56 |
| Oversize Charge | | 45.00 |
| **Total Charge** | **USD** | **$279.02** |

Dropped off: Feb 06, 2008 | Service Type: FedEx Standard Overnight | Svc Area: A1
Payor: Shipper | Rate Method: Hundredwt | Rated Wgt: 107.0 lbs, 48.6 kgs
Bundle ID: N/A | Zone: 03 | # Packages: 1
Package Type: Customer Packaging | Automation: iNET

| Sender | Recipient |
|---|---|
| James Magda | Agnes Ng |
| Dvirka and Bartilucci | Mitken Corporation |
| P.O. Box 56, 5879 Fisher Road | 175 Metro Center Boulevard |
| EAST SYRACUSE NY 13057 US | WARWICK RI 02886 US |

| Tracking ID | Delivered/Signed By | Rated Weight/Actual Weight | FedEx Use | Cust. Ref./Ref.#2/Ref.#3/RMA # | Amount |
|---|---|---|---|---|---|
| 792001250463 | Feb 07, 2008 08:48 | 107.0 lbs, 48.6 kgs | 000000000/0001304/_ | 2576 | 279.02 |
| | .VPEIRCE | 65.0 lbs, 29.5 kgs | | | |

- Fuel Surcharge - FedEx has applied a fuel surcharge of 18.50% to this shipment.
- Distance Based Pricing, Zone 3
- FedEx has audited this shipment for correct packages, weight, and service. Any changes made are reflected in the invoice amount.
- We calculated your charges based on a dimensional weight of 107.0 lbs., 36" x 24" x 24", divided by 194.
- Your package/shipment was charged an Oversize Charge because it exceeded the maximum combined length/girth of 130" or it exceeded the maximum length of 108".

| | |
|---|---|
| Transportation Charge | 190.46 |

| | | | | |
|---|---|---|---|---|
| Automation | USAB | **Sender** | **Recipient** | |
| Tracking ID | 857506587226 | SEAN PEPLING | SAMPLE RECEIVING | |
| Service Type | FedEx Standard Overnight | DVIRKA AND BARTILUCCI | MITKEM CORPORATION | |
| Package Type | Customer Packaging | 5879 FISHER RD | 175 METRO CENTER BLVD | |
| Zone | 03 | EAST SYRACUSE NY 13057-2973 US | WARWICK RI 02886 US | |
| Packages | 1 | | | |
| Rated Weight | 57.0 lbs, 25.9 kgs | | | |
| Delivered | Feb 21, 2008 08:51 | | | |
| Svc Area | A1 | Transportation Charge | | 90.00 |
| Signed by | J.JOHNSON | Fuel Surcharge | | 16.65 |
| FedEx Use | 005112147/0001305/_ | **Total Charge** | **USD** | $106.65 |

2576-05

| | | |
|---|---|---|
| **Shipper Subtotal** | **USD** | **$140.60** |
| **Total FedEx Express** | **USD** | **$140.60** |

Dropped off: Feb 22, 2008 Cust. Ref.: 2576-02X Ref.#2:
Payor: Shipper Ref.#3:

- *Fuel Surcharge - FedEx has applied a fuel surcharge of 18.50% to this shipment.*
- Distance Based Pricing, Zone 3

2576-02X

| | | Sender | Recipient | |
|---|---|---|---|---|
| Automation | USAB | SEAN PEPLING | SAMPLE RECEIVING | |
| Tracking ID | 857506587249 | DVIRKA AND BARTILUCCI | MITKEM CORPORATION | |
| Service Type | FedEx Priority Overnight | 5879 FISHER RD | 175 METRO CTR BLVD | |
| Package Type | Customer Packaging | EAST SYRACUSE NY 13057-2973 US | WARWICK RI 02886 US | |
| Zone | 03 | | | |
| Packages | 1 | | | |
| Rated Weight | 51.0 lbs, 23.2 kgs | Transportation Charge | | 100.00 |
| Delivered | Feb 23, 2008 09:32 | Additional Handling Surcharge | | 6.50 |
| Svc Area | A1 | Saturday Delivery | | 12.50 |
| Signed by | X.DING | Fuel Surcharge | | 20.81 |
| FedEx Use | 005309252/0001508/_ | **Total Charge** | USD | $139.81 |

| | | |
|---|---|---|
| **Shipper Subtotal** | **USD** | **$288.86** |
| **Total FedEx Express** | **USD** | **$288.86** |

## FedEx Express Shipment Detail By Payor Type (Original)

Dropped off: Mar 06, 2008 Cust. Ref.: 2576 Ref.#2:
Payor: Shipper Ref.#3:

- Fuel Surcharge - FedEx has applied a fuel surcharge of 18.50% to this shipment.
- Distance Based Pricing, Zone 3
- Package sent from: 13214 zip code

| | | Sender | Recipient |
|---|---|---|---|
| Automation | USAB | SEAN PEPLING | ATTENTION JAMES ROUSH OR SAMPL |
| Tracking ID | 857506587259 | DVIRKA AND BARTILUCCI | META ENVIRONMENTAL INC |
| Service Type | FedEx Priority Overnight | 5879 FISHER RD | 49 CLARENDON ST |
| Package Type | Customer Packaging | EAST SYRACUSE NY 13057-2973 US | WATERTOWN MA 02472 US |
| Zone | 03 | | |
| Packages | 1 | | |
| Rated Weight | 6.0 lbs, 2.7 kgs | | |
| Delivered | Mar 07, 2008 10:09 | | |
| Svc Area | A1 | | |
| Signed by | A.LARKIN | | |
| FedEx Use | 006608017/0001508/_ | | |

| | | |
|---|---|---|
| Transportation Charge | | 31.80 |
| Fuel Surcharge | | 5.88 |
| **Total Charge** | **USD** | **$37.68** |
| **Shipper Subtotal** | **USD** | **$37.68** |
| **Total FedEx Express** | **USD** | **$37.68** |

INVOICE OKAY
2576-02X
3/17/08

- Fuel Surcharge - FedEx has applied a fuel surcharge of 18.50% to this shipment.
- Distance Based Pricing, Zone 3

| | | Sender | Recipient |
|---|---|---|---|
| Automation | USAB | | |
| Tracking ID | 857506587281 | SEAN PEPLING | ATTENTION SAMPLE CUSTODIAN |
| Service Type | FedEx Priority Overnight | DVIRKA AND BARTILUCCI | MITKEM CORPORATION |
| Package Type | Customer Packaging | 5879 FISHER RD | 175 METRO CENTER BLVD |
| Zone | 03 | EAST SYRACUSE NY 13057-2973 US | WARWICK RI 02886 US |
| Packages | 1 | | |
| Rated Weight | 60.0 lbs, 27.3 kgs | | |
| Delivered | Mar 21, 2008 08:36 | | |
| Svc Area | A1 | Transportation Charge | 117.40 |
| Signed by | E.LAULA | Fuel Surcharge | 21.72 |
| FedEx Use | 008009339/0001508/_ | **Total Charge** **USD** | **$139.12** |

2576-02X

**Dropped off:** Mar 20, 2008 **Cust. Ref.:** 2576 **Ref.#2:**
**Payor:** Shipper **Ref.#3:**

- Fuel Surcharge - FedEx has applied a fuel surcharge of 18.50% to this shipment.
- Distance Based Pricing, Zone 3

| | | Sender | Recipient |
|---|---|---|---|
| Automation | USAB | | |
| Tracking ID | 857506587292 | SEAN PEPLING | ATTENTION SAMPLE CUSTODIAN |
| Service Type | FedEx Priority Overnight | DVIRKA AND BARTILUCCI | MITKEM CORPORATION |
| Package Type | Customer Packaging | 5879 FISHER RD | 175 METRO CENTER BLVD |
| Zone | 03 | EAST SYRACUSE NY 13057-2973 US | WARWICK RI 02886 US |
| Packages | 1 | | |
| Rated Weight | 68.0 lbs, 30.9 kgs | | |
| Delivered | Mar 21, 2008 08:36 | | |
| Svc Area | A1 | Transportation Charge | 136.15 |
| Signed by | E.LAULA | Fuel Surcharge | 25.19 |
| FedEx Use | 008009339/0001508/_ | **Total Charge** **USD** | **$161.34** |

2576-02X

**Dropped off:** Mar 20, 2008 **Cust. Ref.:** 2576 **Ref.#2:**
**Payor:** Shipper **Ref.#3:**

- Fuel Surcharge - FedEx has applied a fuel surcharge of 18.50% to this shipment.
- Distance Based Pricing, Zone 3

| | | Sender | Recipient |
|---|---|---|---|
| Automation | USAB | | |
| Tracking ID | 857506587307 | SEAN PEPLING | ATTENTION SAMPLE CUSTODIAN |
| Service Type | FedEx Priority Overnight | DVIRKA AND BARTILUCCI | MITKEM CORPORATION |
| Package Type | Customer Packaging | 5879 FISHER RD | 175 METRO CENTER BLVD |
| Zone | 03 | EAST SYRACUSE NY 13057-2973 US | WARWICK RI 02886 US |
| Packages | 1 | | |
| Rated Weight | 63.0 lbs, 28.6 kgs | | |
| Delivered | Mar 21, 2008 08:36 | | |
| Svc Area | A1 | Transportation Charge | 124.10 |
| Signed by | E.LAULA | Fuel Surcharge | 22.96 |
| FedEx Use | 008009339/0001508/_ | **Total Charge** **USD** | **$147.06** |

2576-02X

| | | |
|---|---|---|
| **Shipper Subtotal** | **USD** | **$574.07** |
| **Total FedEx Express** | **USD** | **$574.07** |

FedEx

| Invoice Number | Invoice Date | Account Number | Page |
|---|---|---|---|
| | Apr 05, 2010 | | 1 of 4 |

FedEx Tax ID: 71-0427007

**Billing Address:**
DVIRKA AND BARTILUCCI
PO BOX 56
EAST SYRACUSE NY 13057-0056

**Shipping Address:**
DVIRKA AND BARTILUCCI
5879 FISHER RD
EAST SYRACUSE NY 13057-2973

**Invoice Questions?**
**Contact FedEx Revenue Services**
Phone: (800) 622-1147 M-Sa 7-6 (CST)
Fax: (800) 548-3020
Internet: www.fedex.com

## Invoice Summary Apr 05, 2010

**FedEx Express Services**

| | | |
|---|---|---|
| Transportation Charges | | 104.80 |
| Special Handling Charges | | 7.86 |
| Total Charges | USD | $112.66 |
| **TOTAL THIS INVOICE** | **USD** | **$112.66** |

Other discounts may apply.

INVOICE OK
2576-02X
4/9/10

FedEx®

| Invoice Number | Invoice Date | Account Number | Page |
|---|---|---|---|
| 7-252-95551 | Oct 11, 2010 | 1245-6133-7 | 4 of 4 |

## FedEx Express Shipment Detail By Payor Type (Original)

**Dropped off:** Oct 07, 2010 **Cust. Ref.:** 2576 **Ref.#2:**
**Payor:** Shipper **Ref.#3:**

- Fuel Surcharge - FedEx has applied a fuel surcharge of 8.00% to this shipment.
- Distance Based Pricing, Zone 3

| | | Sender | Recipient | | |
|---|---|---|---|---|---|
| Automation | USAB | JAMES MAGDA | MITKEM LABORATORIES | | |
| Tracking ID | 866315558289 | DVIRKA AND BARTILUCCI | 175 METRO CENTER BLVD | | |
| Service Type | FedEx Priority Overnight | 5879 FISHER RD | WARWICK RI 02886 US | | |
| Package Type | Customer Packaging | EAST SYRACUSE NY 13057-2973 US | | | |
| Zone | 03 | | | | |
| Packages | 5 | | | | |
| Rated Weight | 278.0 lbs, 126.1 kgs | | | | |
| Delivered | Oct 08, 2010 08:55 | | | | |
| Svc Area | A1 | Transportation Charge | | | 621.05 |
| Signed by | E.LAWLER | Fuel Surcharge | | | 49.68 |
| FedEx Use | 028010080/0001508/_ | **Total Charge** | | **USD** | **$670.73** |

| | | |
|---|---|---|
| **Shipper Subtotal** | **USD** | **$670.73** |
| **Total FedEx Express** | **USD** | **$670.73** |

INVOICE OK
2576-02
10/22/10

# Appendix G

# APPENDIX G

# BORING LOGS AND WELL CONSTRUCTION LOGS

# SBRI-1

Driller: Parratt-Wolff, Inc Jolaan Price Sean Cornell
Inspector: Dan Bishuk
Rig Type: CME 75
Drilling Method: 4.25-in ϕ HSA

## Dvirka and Bartilucci Boring Log

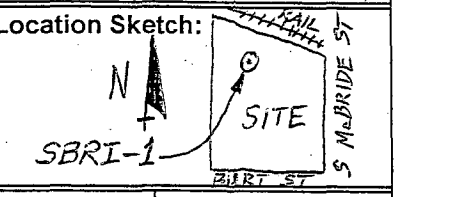
Project Name: McKinney Property/Syracuse
Project #: 2576
Boring Depth: 12 ft

**Boring ID: SBRI-1**
Sheet 1 of 1
Location: Near NW corner of property

| Groundwater Observations | | | |
|---|---|---|---|
| Date | NA | | |
| Time | | | |
| DTW | | | |
| Casing/Total Depth | | | |

Start (Date & Time): 2/19/09 10:15
Finish (Date & Time): 2/19/09 11:05
Weather: Overcast 35-40°F
No Precip; Wind NE@0-10 mph
Elevation of Ground Surface: ____

**Location Sketch:**




| TIME | Sample Interval | Sample No. | Blows/6" Recovery (ft) | Headspace PID (ppm) | Field Description | Well Schematic | Comments |
|---|---|---|---|---|---|---|---|
| 10:20 | 0-2 | 1 | NA 2.0 | 4.2 | 0 Brownish Gray (0-1ft) then Dark Gray Stained SILT & f-m GRAVEL; Little vf-c Sand (Very moist; Wet at approx. 1.5 ft; Cohesive; Pasty; Fragments of metal, glass, plastic, concrete, wood; Petroleum Odor) | NO WELL INSTALLED | 0-2 ft Air Knife/ Hand Dig; FILL |
| 10:25 | 2-4 | 2 | NA 1.5 | <1 | Greenish Grayish Brown SILT & CLAY; Trace vf Sand (Wet; Cohesive; Moderate plasticity; Sand isolated within repetitive varve laminations) | | * Submitted subsurface soil sample SBRI-1(2-4) for laboratory analysis. |
| 10:35 | 4-6 | 3 | NA 2.0 | <1 | 5 Same as 2-4 ft interval (Wet; Cohesive; Moderate plasticity) | | 2-12 ft Definitely native glaciolacustrine deposits. |
| 10:45 | 6-8 | 4 | NA 2.0 | <1 | Brownish Gray SILT & vf-f SAND; Little Clay (Wet; Distinct inter-laminations of each grain size; Varves; Cohesive; Pasty to slightly plastic) | | |
| 10:55 | 8-10 | 5 | NA 2.0 | <1 | Same as 6-8 ft interval (Wet) | | * Submitted subsurface soil sample SBRI-1(8-10) for laboratory analysis. |
| 11:05 | 10-12 | 6 | NA 1.8 | <1 | 10 Brown Gray SILT; Little vf-f Sand and Clay (Wet; Cohesive; Pasty with hints of slight plasticity) | | |
| | | | | | Bottom of Boring = 12 ft bgs<br>No Bedrock Encountered | | |
| | | | | | 15 | | |

Soil Stratigraphy Summary: Interbedded and interlaminated SILT with variable amounts of clay and vf-f sand (Varves)

# SBRI-2 / MW-4

Driller: Parratt-Wolff, Inc Jolaan Price Sean Cornell
Inspector: Dan Bishuk
Rig Type: CME 75
Drilling Method: 4.25-in. ϕ HSA

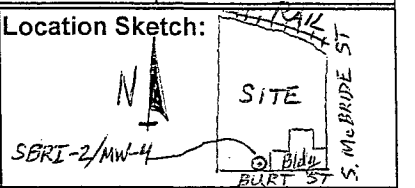
**Dvirka and Bartilucci Boring Log**
Project Name: McKinney Property / Syracuse
Project #: 2576
Boring Depth: 13 ft

**Boring ID:** SBRI-2/MW-4
Sheet 1 of 1
Location: S-central property boundary

| Groundwater Observations | | | |
|---|---|---|---|
| Date | 3/6/08 | | |
| Time | 0900 | | |
| DTW | 4.92 | | |
| Casing/Total Depth | 12.77 | | |

Start (Date & Time): 2/19/08 10:30
Finish (Date & Time): 2/19/08 13:20
Weather: Overcast 35-40°F
No Precip; Wind NE@0-10 mph
Elevation of Ground Surface:

**Location Sketch:**




| TIME | Sample Interval | Sample No. | Blows/Recovery (ft) | Headspace PID (ppm) | Field Description | Well Schematic | Comments |
|---|---|---|---|---|---|---|---|
| 10:30 | 0-2 | 1 | NA | 4.2 | 0 Brown Gray vf-c SAND & SILT; Some f-m Gravel; Trace c Gravel (Moist to Very Moist; Cohesive; Abundant Fragments of metal, brick, and concrete) | | 0-5 ft Air Knife/Hand Dig<br>0-2 ft FILL |
| 10:45 | 2-4 | 2 | NA | 4.8 | Brown Gray SILT & CLAY; Little vf-f Sand (Very moist; Cohesive; Low plasticity; Wet at ≈3.5 ft) | | * Submitted subsurface soil sample SBRI-2(2-4) for laboratory analysis |
| 10:55 | 4-5 | 3 | NA | 3.8 | Same as 2-4 ft interval (Wet) | | 2-5 ft Possible native deposits or reworked materia |
| 12:50 | 5-7 | 4 | NA<br>2.0 | 2.9 | 5 Brownish Gray SILT; Some vf-f Sand and Clay (Wet; Cohesive; Pasty; Slight plasticity; Varve interlaminations) | | 5-13 ft Definitely native glaciolacustrine deposits. |
| 13:00 | 7-9 | 5 | NA<br>2.0 | <1 | 7-8 ft Same as 5-7 ft interval (Wet) | | |
| | | | | | 8-9 ft Greenish Brownish Gray SILT and vf-f SAND; Trace Clay (Wet; Cohesive; Pasty; Varve interlaminations) | | |
| 13:10 | 9-11 | 6 | NA<br>2.0 | 7.9 | 10 Same as 8-9 ft interval (Wet; Cohesive; Pasty; Varve interlaminations) | | * Submitted subsurface soil sample SBRI-2(9-11) for laboratory analysis |
| 13:20 | 11-13 | 7 | NA<br>2.0 | 1.0 | 11-12.5 ft Grayish Brown SILT; Some Clay; Little vf Sand (Wet; Cohesive; Pasty to Slightly plastic; Rare Varves) | | |
| | | | | | 12.5-13 ft Greenish Brown vf-f SAND and SILT (Wet; Cohesive) | | |
| | | | | | Bottom of Boring = 13 ft<br>No Bedrock Encountered | | |
| | | | | | 15 | | |

**WELL CONSTRUCTION SUMMARY**

Screened Interval = 3-13 ft
Screen Type = Drillers Services, Inc Sch 40 PVC 10 Slot
Sand Pack Interval = 2-13 ft
Sand Pack Type = US Silica Size (275 lbs.)
Bentonite Interval = 1-2 ft
Bentonite Type = Wyo-Ben Enviropl 25 lbs. of No. 16 Medium Pellet
Secondary Sand Pack = 0.5-1 ft
Riser Casing Interval = 0.3-3 ft
Riser Casing Type = Drillers Services Sch 40 PVC
Flush-Mount = 8" ϕ roadbox with 4 bolts set in a 12" ϕ sonnet tube concrete

Soil Stratigraphy Summary: Interbedded and interlaminated SILT with variable amounts of clay and vf-f sand (Varves)

# SBRI-3 / MW-5

**Dvirka and Bartilucci Boring Log**

Driller: Parratt-Wolff, Inc. Jolaun Price Sean Cornell
Inspector: Dan Bishuk
Rig Type: CME 75
Drilling Method: 4.25-in. ϕ HSA

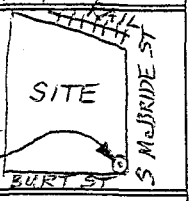
Project Name: McKinney Property/Syracuse
Project #: 2576
Boring Depth: 13 ft

Boring ID: SBRI-3/MW-5
Sheet 1 of 1
Location: SE corner of property

| Groundwater Observations | | | |
|---|---|---|---|
| Date | 3/6/08 | | |
| Time | 09:00 | | |
| DTW | 2.55 | | |
| Casing/Total Depth | 12.65 | | |

Start (Date & Time): 2/19/08 12:50
Finish (Date & Time): 2/20/08 09:30
Weather: Overcast 35-40°F
No Precip; Wind NE @ 0-10 mph
Elevation of Ground Surface: ____

Location Sketch:




| DATE TIME | Sample Interval | Sample No. | Blows/ Recovery(ft) | Headspace PID (ppm) | Field Description | Well Schematic | Comments |
|---|---|---|---|---|---|---|---|
| 2/19/08 12:50 | 0-2 | 1 | NA | <1 | 0 Brown Gray m-c SAND & f-m GRAVEL; Little vf-f Sand & Silt (Moist; Non-cohesive; Abundant metal, brick, concrete, and plastic fragments) | | 0-5 ft Air Knife/ Hand Dig<br>0-2 ft FILL |
| 2/19/08 12:55 | 2-4 | 2 | NA | <1 | Brown SILT & CLAY; Trace vf Sand (Wet; Cohesive; Moderate plasticity) | | * Submitted subsurface soil sample SBRI-3(2-4) for laboratory analysis |
| 2/19/08 13:05 | 4-5 | 3 | NA | <1 | Same as 2-4 ft interval (Wet) | | 2-8 ft Probable native glaciolacustrine deposits or reworked material |
| 2/20/08 0905 | 5-7 | 4 | NA<br>2.0 | <1 | 5 Gray Brown SILT; Some Clay; Little vf-f Sand (Wet; Cohesive; Pasty to Slightly Plastic) | | |
| 2/20/08 0910 | 7-9 | 5 | NA<br>2.0 | <1 | 7-8 ft Brown SILT; Some f Gravel; Little vf-c Sand; Trace Clay (Wet; Cohesive; Pasty) | | * Submitted subsurface soil sample SBRI-3(7-9) for laboratory analysis |
| | | | | | 8-9 ft Reddish Brown SILT & CLAY; Trace vf Sand (Wet; Cohesive; Low Plasticity; Varve interlaminations) | | |
| 2/20/08 0915 | 9-11 | 6 | NA<br>2.0 | <1 | Reddish Brown SILT; Some Clay; 10 Little vf Sand (Wet; Cohesive; Pasty to slightly plastic; Varve interlaminations) | | 8-13 ft Definitely native glaciolacustrine deposits. |
| 2/20/08 0930 | 11-13 | 7 | NA<br>2.0 | <1 | Same as 9-11 ft interval (Wet) | | |
| | | | | | Bottom of Boring = 13 ft<br>No Bedrock Encountered | | |
| | | | | | 15 | | |

**WELL CONSTRUCTION SUMMARY**

Screened Interval = 3-13 ft
Screen Type = Drillers Services, Inc. Sch 40 PVC 10 slot
Sand Pack Interval = 2-13 ft
Sand Pack Type = US Silica Size O (275 lbs.)
Bentonite Interval = 1-2 ft
Bentonite Type = Wyo-Ben Enviroplug 25 lbs. of No. 16 Medium Pellets
Secondary Sand Pack = 0.5-1 ft
Riser Casing Interval = 0.3-3 ft
Riser Casing Type = Drillers Services, Inc. Sch 40 PVC
Flush-Mount = 8" ϕ roadbox with 4 1/6" bolts set in a 12" ϕ concrete sonnet tube concrete

Soil Stratigraphy Summary: Interbedded and interlaminated SILT with variable amounts of clay and vf-f Sand (Varves)

# SBRI-4

Driller: Parratt-Wolff, Inc. Jolean Price Sean Cornell
Inspector: Dan Bishuk
Rig Type: CME 75
Drilling Method: 4.25-in. ϕ HSA

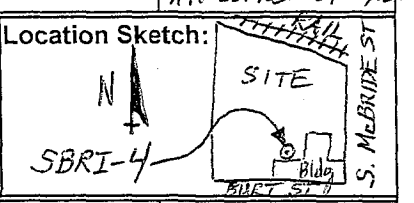
**Dvirka and Bartilucci Boring Log**
Project Name: McKinney Property/Syracuse
Project #: 2576
Boring Depth: 12 ft

**Boring ID : SBRI-4**
Sheet 1 of 1
Location: Near S-central property boundary at ~~NW corner of existing bldg~~

| Groundwater Observations | | | |
|---|---|---|---|
| Date | NA | | |
| Time | | | |
| DTW | | | |
| Casing/Total Depth | | | |

Start (Date & Time): 2/19/08 14:25
Finish (Date & Time): 2/19/08 15:25
Weather: Overcast 35-40°F
No Precip; Wind NW @ 0-10 mph
Elevation of Ground Surface: ____

Location Sketch:




| TIME | Sample Interval | Sample No. | Blows/ Recovery (ft) | Headspace PID (ppm) | Field Description | Well Schematic | Comments |
|---|---|---|---|---|---|---|---|
| 14:30 | 0-2 | 1 | NA 0.7 | 3.2 | 0 Dark Gray Stained m-c SAND and f-c GRAVEL; Little Silt & vf-f Sand; Trace Clay (Moist to Very Moist; Non-cohesive to Semi-cohesive; Abundant fragments of brick, concrete, wood, metal, plastic) | NO WELL INSTALLED | 0-2 ft Air Knife/ Hand Dig; FILL |
| 14:35 | 2-4 | 2 | NA 0.9 | 1.6 | Gray to Dark Gray SILT & CLAY; Trace vf Sand and f Gravel (Moist to Very Moist; Bottom 0.5 ft of split spoon is wet; Cohesive; Low to Moderate Plasticity; Varve laminations) | | * Submitted subsurface soil sample SBRI-4(2-4) for laboratory analysis |
| 14:45 | 4-6 | 3 | NA 1.5 | 2.6 | 5 Same as 2-4 ft interval (Wet) | | 2-12 ft Definitive native glaciolacustr deposits. |
| 14:55 | 6-8 | 4 | NA 2.0 | <1 | 6-7.5 ft Same as 2-4 ft interval (Wet) | | |
| | | | | | 7.5-8 ft Gray vf-f SAND & SILT; Trace Clay (Wet; Petroleum Odor & sheen; Cohesive; Pasty) | | |
| 15:05 | 8-10 | 5 | NA 2.0 | 1.8 | 8-8.8 ft Same as 7.5-8 ft interval | | * Submitted subsurface soil sample SBRI-4(8-10) for laboratory analysis |
| | | | | | 8.8-10 ft Brown SILT & CLAY; Trace vf-f Sand (Wet; Cohesive; Low to Moderate plasticity) | | |
| 15:15 | 10-12 | 6 | NA 2.0 | <1 | 10 10-11.3 ft Gray Brown SILT; Some vf-f Sand (Wet; Cohesive; Pasty) | | |
| | | | | | 11.3-12 ft Reddish Brown SILT & CLAY; Trace vf Sand (Wet; Cohesive; Moderate plasticity) | | |
| | | | | | Bottom of Boring = 12 ft<br>No Bedrock Encountered | | |
| | | | | | 15 | | |

Soil Stratigraphy Summary: Interbedded and interlaminated SILT with variable amounts of clay and vf-f sand (Varves)

# SBRI-5

Driller: Parratt-Wolff, Inc. Jolaan Price Sean Cornell
Inspector: Dan Bishuk
Rig Type: CME 75
Drilling Method: 4.25-in. ϕ HSA

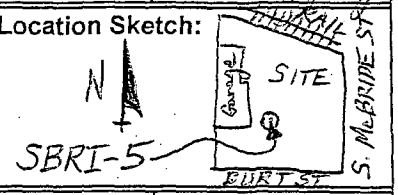
**Dvirka and Bartilucci Boring Log**
Project Name: McKinney Property/Syracuse
Project #: 2576
Boring Depth: 12 ft

**Boring ID : SBRI-5**
Sheet 1 of 1
Location: W-central part of property near SE corner of ~~existing garage~~.

| Groundwater Observations | | | |
|---|---|---|---|
| Date | NA | | |
| Time | | | |
| DTW | | | |
| Casing/Total Depth | | | |

Start (Date & Time): 2/19/08 15:25
Finish (Date & Time): 2/19/08 16:30
Weather: Overcast 35-40°F No Precip; Wind NW@0-10 mph
Elevation of Ground Surface: ____

Location Sketch:




| TIME | Sample Interval | Sample No. | Blows/ Recovery (ft) | Headspace PID (ppm) | Field Description | Well Schematic | Comments |
|---|---|---|---|---|---|---|---|
| 15:30 | 0-2 | 1 | NA 0.8 | 9.0 | 0 Dark Gray Stained c SAND and f-m GRAVEL; Little Silt and vf-m Sand (Very moist; Non-cohesive; Fragments of metal, wood, plastic, glass, and concrete) | NO WELL INSTALLED | 0-2.4ft FILL |
| 15:40 | 2-4 | 2 | NA 2.0 | 1.3 | 2-2.4ft Gray SILT & vf-c SAND; Trace Clay & f Gravel (Wet; Cohesive; Pasty) | | * Submitted subsurface soil sample SBRI-5(2-4) for laboratory analysis |
| | | | | | 2.4-4ft Brownish Gray SILT & CLAY; Little vf Sand (Wet; Cohesive; Low plasticity) | | |
| 16:00 | 4-6 | 3 | NA 2.0 | <1 | Same as 2.4-4ft interval (Wet) | | 2.4-12ft Probable native glaciolacustrine deposits. |
| | | | | | 5 | | |
| 16:10 | 6-8 | 4 | NA 1.0 | <1 | Grayish Brown SILT; Some vf-f Sand (Wet; Cohesive; Pasty) | | |
| 16:15 | 8-10 | 5 | NA 2.0 | <1 | Grayish Brown SILT; Some Clay and vf-f Sand (Wet; Cohesive; Hints of slight plasticity) | | * Submitted subsurface soil sample SBRI-5(8-10) for laboratory analysis |
| 16:25 | 10-12 | 6 | NA 2.0 | <1 | 10 Reddish Brown to Yellowish Reddish Brown SILT & vf-f SAND; Little Clay (Wet; Cohesive; Pasty) | | |
| | | | | | Bottom of Boring = 12 ft<br>No Bedrock Encountered | | |
| | | | | | 15 | | |

Soil Stratigraphy Summary: Interbedded SILT with variable amounts of clay and vf-f sand.

d&b boring log -GG version.xls

# SBRI-6/MW-6

**Dvirka and Bartilucci Boring Log**

Driller: Parratt-Wolff, Inc. Jolean Price Sean Cornell
Inspector: Dan Bishuk
Rig Type: CME 75
Drilling Method: 4.25-in. ϕ HSA

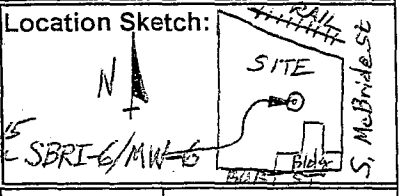
Project Name: McKinney Property/Syracuse
Project #: 2576
Boring Depth: 14 ft

**Boring ID:** SBRI-6/MW-6
Sheet 1 of 1
Location: E-central part of property

| Groundwater Observations | | | |
|---|---|---|---|
| Date | 3/6/08 | | |
| Time | 09:00 | | |
| DTW | 3.25 | | |
| Casing/Total Depth | 12.99 | | |

Start (Date & Time): 2/20/08 13:10
Finish (Date & Time): 2/21/08 09:35
Weather: Mostly Cloudy 30°'s F
No Precip; Wind NW@5-15 mph
Elevation of Ground Surface: ____

Location Sketch:




| TIME | Sample Interval | Sample No. | Blows/ Recovery (ft) | Headspace PID (ppm) | Field Description | Well Schematic | Comments |
|---|---|---|---|---|---|---|---|
| 13:15 | 0-2 | 1 | NA No Recovery | NC | 0 FILL — No split spoon recovery | | 0-4 ft FILL |
| 13:20 | 2-4 | 2 | NA No Recovery | NC | FILL — No split spoon recovery | | |
| 15:45 | 4-6 | 3 | NA 2.0 | <1 | Grayish Brown SILT; Some Clay; Little Silt (Wet; Cohesive; Pasty to slightly plastic; Rare varve interlaminations) | | * Submitted subsurface soil sample SBRI-6(4-6) for laboratory analysis |
| 15:50 | 6-8 | 4 | NA 2.0 | <1 | 6-7.1 ft Brown vf-f SAND; Some Silt; Trace m Sand (Wet; Semi-cohesive) | | 4-14 ft Definitely native glaciolacustrine deposits. |
| | | | | | 7.1-8 ft Brown SILT & vf-f SAND; Little Clay (Wet; Cohesive; Slight plasticity) | | |
| 15:55 | 8-10 | 5 | NA 2.0 | <1 | 8-9.5 ft Brown vf-f SAND; Little Silt and m Sand (Wet; Non- to semi-cohesive) | | * Submitted subsurface soil sample SBRI-6(8-10) for laboratory analysis |
| 16:05 | 10-12 | 6 | NA 2.0 | <1 | 10 9.5-10 ft Red Brown SILT; Some Clay & vf-f Sand | | |
| | | | | | 10-11.5 ft Brown vf-m SAND; Little Silt; Trace c Sand & f Gravel (Wet; Non-cohesive) | | |
| | | | | | 11.5-12 ft Red Brown SILT; Some vf-f Sand and Clay (Wet; Cohesive; Slightly plastic; Varvel interlaminations) | | |
| 16:15 | 12-14 | 7 | NA 2.0 | <1 | 12-14 ft Same as 11.5-12 ft interval | | |
| | | | | | Bottom of Boring = 14 ft | | |
| | | | | | 15 No Bedrock Encountered | | |

**WELL CONSTRUCTION SUMMARY**

Screened Interval = 3-13 ft
Screen Type = Drillers Services, Inc Sch 40 PVC 10 slot
Sand Pack Interval = 2-13 ft
Sand Pack Type = US Silica Size (275 lbs.)
Bentonite Interval = 1-2 ft
Bentonite Type = Wyo-Ben Enviro 25 lbs of No. 16 Medium Pellets
Secondary Sand Pack = 0.5-1 ft
Riser Casing Interval = 0.3-3 ft
Riser Casing Type = Drillers Services, Sch 40 PVC
Flush-Mount = 8" ϕ roadbox with bolts set in a 12" ϕ concrete collar pad

Soil Stratigraphy Summary: Interbedded and interlaminated SILT with variable amounts of clay and vf-f sand (Varves)

# SBRI-7/MW-7

Driller: Parratt-Wolff, Inc. Jolaan Price Sean Cornell
Inspector: Dan Bishuk
Rig Type: CME 75
Drilling Method: 4.25-in. ϕ HSA

## Dvirka and Bartilucci Boring Log

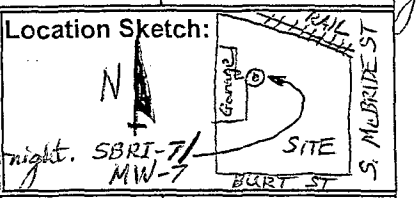
Project Name: McKinney Property/Syracuse
Project #: 2576
Boring Depth: 14 ft

Boring ID: SBRI-7/MW-7
Sheet 1 of 1
Location: W-central part of property on the E-central side of the existing garage

| Groundwater Observations | | | |
|---|---|---|---|
| Date | 3/6/08 | | |
| Time | 09:00 | | |
| DTW | 4.00 | | |
| Casing/Total Depth | 13.72 | | |

Start (Date & Time): 2/21/08 09:50
Finish (Date & Time): 2/21/08 12:00
Weather: Mostly Sunny Teens °F
No Precip; Wind W-NW@0-10mph; ~1in. new snow overnight.
Elevation of Ground Surface:

Location Sketch:




| TIME | Sample Interval | Sample No. | Blows/ Recovery | Headspace (ppm) PID | Field Description | Well Schematic | Comments |
|---|---|---|---|---|---|---|---|
| 09:55 | 0-2 | 1 | NA / 2.0 | <1 | 0 Dark Gray to Black Stained m-c SAND & f-m GRAVEL; Little vf-f Sand; Trace Silt (Moist; Non-cohesive; Abundant metal, concrete, and plastic fragments) | | 0-2 ft FILL |
| 10:10 | 2-4 | 2 | NA / 1.5 | <1 | Reddish Grayish Brown SILT & CLAY; Little vf-f Sand; Trace m-c Sand (Very Moist; Wet @ 3 ft; Cohesive; Low to moderate plasticity; Varve interlamination) | | * Submitted subsurface soil sample SBRI-7(2-4) for laboratory analysis |
| 10:20 | 4-6 | 3 | NA / 1.2 | <1 | 4-6 ft Same as 2-4 ft interval | | 2-14 ft Definitely native glaciolacustrine deposits |
| 10:30 | 6-8 | 4 | NA / 2.0 | <1 | 6-7.5 ft Same as 2-4 ft interval | | |
| 10:40 | 8-10 | 5 | NA / 2.0 | <1 | 7.5-8 ft Gray Brown vf-f SAND & SILT (Wet; Cohesive); 8-9.2 ft Gray Brown SILT; Some vf-f Sand; Little Clay (Wet; Cohesive; Pasty) | | * Submitted subsurface soil sample SBRI-7(8-10) for laboratory analysis |
| 10:50 | 10-12 | 6 | NA / 2.0 | <1 | 9.2-10 ft Reddish Brown-Gray SILT; Some Clay; Little vf-f Sand (Wet; Varves); 10-10.8 ft Same as 9.2-10 ft. interval; 10.8-12 ft Reddish Gray SILT; Little vf Sand & Clay (Wet; Cohesive; Pasty) | | |
| 11:00 | 12-14 | 7 | NA / 1.3 | <1 | Brown Gray SILT; Some Clay; Trace vf-f Sand (Wet; Cohesive; Pasty; Slightly plastic; Rare Varve interlaminations) | | |
| | | | | | Bottom of Boring = 14 ft; No Bedrock Encountered | | |

Soil Stratigraphy Summary: Interbedded and interlaminated SILT with variable amounts of clay and vf-f sand (Varves)

WELL CONSTRUCTION SUMMARY

Screened Interval = 4-14 ft
Screen Type = Drillers Services, I
Sch 40 PVC 10 slot
Sand Pack Interval = 2.5-14 ft
Sand Pack Type = US Silica Size C
(350 lbs.)
Bentonite Interval = 1-2.5 ft
Bentonite Type = Wyo-Ben Enviro
50 lbs. of No. 16 Medium Pelle
Secondary Sand Pack = 0.5-1 ft
Riser Casing Interval = 0.3-4 ft
Riser Casing Type = Drillers Servi
Sch 40 PVC

d&b boring log -GG versjon.xls

Flush-Mount = 8" ϕ roadbox with bolts set in a 12" sonnet tube concre

# SBRI-8

Driller: Parratt-Wolff, Inc Jolean Price Sean Cornell
Inspector: Dan Bishuk
Rig Type: CME 75
Drilling Method: 4.25-in. ϕ HSA

**Dvirka and Bartilucci Boring Log**

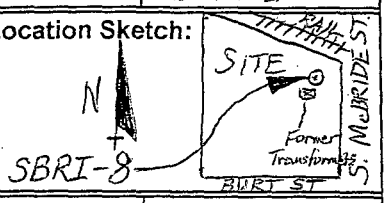
Project Name: McKinney Property/Syracuse
Project #: 2576
Boring Depth: 14 ft

**Boring ID: SBRI-8**
Sheet 1 of 1
Location: Near NE corner of property adjacent to the former transformers

| Groundwater Observations | | | |
|---|---|---|---|
| Date | NA | | |
| Time | | | |
| DTW | | | |
| Casing/Total Depth | | | |

Start (Date & Time): 2/21/08 13:00
Finish (Date & Time): 2/21/08 14:00
Weather: Mostly Sunny Teens °F No Precip; Wind @ W-SW 0-10 mph
Elevation of Ground Surface:

Location Sketch:




| TIME | Sample Interval | Sample No. | Blows / Recovery (ft) | Headspace PID (ppmv) | Field Description | Well Schematic | Comments |
|---|---|---|---|---|---|---|---|
| 13:05 | 0-2 | 1 | NA<br>0.7 | <1 | 0 0-0.4 ft Black-stained SILT & f-m GRAVEL<br>0.4-0.7 ft Rusty Red Brown SILT & CLAY; Trace vf Sand (Moist; Cohesive; Low to moderate plasticity) | NO WELL INSTALLED | 0-9 ft FILL or reworked material |
| 13:10 | 2-4 | 2 | NA<br>0.6 | <1 | Pulverized concrete fragments consisting of Gray f-m GRAVEL and SAND (Dry) | | |
| 13:15 | 4-6 | 3 | NA<br>1.5 | <1 | Large wood fragment lodged inside split spoon with a trace of soil consisting of: Brown Gray SILT & vf-f SAND; Little Clay (Wet; Cohesive; Petroleum odor) | | |
| 13:25 | 6-8 | 4 | NA<br>1.6 | 1.6 | Brownish Gray to Gray SILT; Some vf-f Sand; Little Clay; Trace f Gravel (Wet; Pasty; Wood; Creosote odor) | | * Submitted subsurface soil sample SBRI-8(6 for laboratory analysis |
| 13:35 | 8-10 | 5 | NA<br>2.0 | 2.0 | 8-9 ft Same as 6-8 ft interval | | * Submitted subsurface soil sample SBRI-8 (8- for laboratory analys |
| 13:45 | 10-12 | 6 | NA<br>0.5 | <1 | 9-10 ft Reddish Gray SILT; Some Clay; Little vf Sand (Wet; Cohesive; Pasty; Creosote odor; Varve interlaminations)<br>No Soil Recovery; Wood fragment lodged in bottom end of split spoon | | 9-14 ft Definitely native glaciolacustr deposits. |
| 13:55 | 12-14 | 7 | NA | <1 | Gray to Reddish Gray SILT; Some vf Sand; Little Clay (Wet; Cohesive; Pasty; Slight petroleum odor) | | |
| | | | | | Bottom of Boring = 14 ft | | |

Soil Stratigraphy Summary: 0-9 ft FILL - Mostly gravel & debris with silt & sand
9-14 ft Interbedded and interluminated SILT with variable amounts of clay and vf-f sand (Varves)

d&b boring log -GG version.xls

SBRI-9/MW-8

Driller: Parratt-Wolff, Inc.
Inspector: Jim Magda
Rig Type: IR Direct-Push/HSA combo
Drilling Method: 2" GSS direct push 4 1/4" ID HSA well

# Dvirka and Bartilucci Boring Log

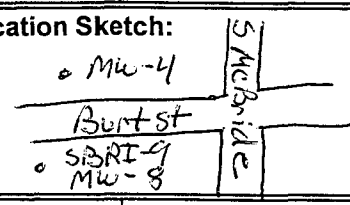
Project Name: McKinney Property Site
Project #: 2576
Boring Depth: 15'

**Boring ID:** ___
Sheet 1 of 1
Location: offsite South of Site

| Groundwater Observations | | | |
|---|---|---|---|
| Date | 3/17/10 | | |
| Time | 1323 | | |
| DTW | 11.0' | | |
| Casing/Total Depth | 15.0' | | |

Start (Date & Time): 3/17/10 0955
Finish (Date & Time): 3/17/10 1334
Weather: Sunny, Temp Low 50s wind calm
Elevation of Ground Surface: 402.10

**Location Sketch:**




| Sample Interval | Sample No. | Blows | PID (ppm) | Field Description | Well Schematic | Comments |
|---|---|---|---|---|---|---|
| 0-2 | 1 | NA | 0.0 | orange/Brown SILT + CLAY, trace angular gravel, moist cohesive + slightly plastic (Fill) | | hand clear to 4.0' bgs for utilities |
| | 0955 | | | | | |
| 2-4 | 2 | NA | 0.0 | same as above | | |
| | 1047 | | | | | |
| 4-6 | 3 | | | | | |
| | 1107 | NA | 0.0 | orange/Brown SILT, trace CLAY | | |
| | 90% rec | | | | | |
| 6-8 | 4 | | | | | |
| | 1110 | NA | 0.0 | same as above, wet @ 7.8 | | |
| | 90% rec | | | | | |
| 8-10 | 5 | | | | | Observed |
| | 1143 | NA | 0.0 | same as above, wet | | |
| | 50% rec | | | | | |
| 10-12 | 6 | NA | | NO recovery | | Measured |
| | 1146 | | | | | |
| | 0% rec | | | | | |
| 12-14 | 7 | NA | 0.0 | Gray SILT, trace F-VF SAND, wet, cohesive, plastic | | |
| | 1154 | | | | | |
| | 80% rec | | | | | |
| | | | | HSA to 15' + set well | | Screened interval 15-5' bgs 10-slot sch 40 PVC Drillers Services INC. |
| | | | | Bottom of boring at 15' | | Sand Pack 15-3.5' bgs US Silica NJ#0 250 lbs |
| | | | | NO bedrock encountered | | Wyo-Ben medium chips 3.5-1.0' bgs 50 lbs |
| | | | | | | Riser 5-0' bgs sched 40 PVC |
| | | | | | | flush mount 8" curb box w/ concrete |

Soil Stratigraphy Summary

Driller: Parratt-Wolff, Inc. (Glen Lansing / Layne Peak)
Inspector: Dan Bishuk
Rig Type: Ingersoll Rand A300
Drilling Method: 4.25-in. ϕ HSA

# Dvirka and Bartilucci Boring Log

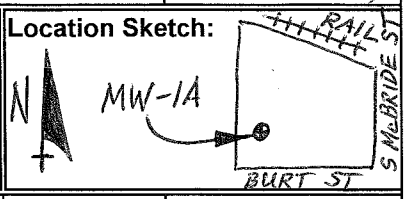
Project Name: McKinney Property/Syracuse
Project #: 2576
Boring Depth: _____

**Boring ID: MW-1A**
Sheet 1 of 1
Location: Near SW Corner of property

| Groundwater Observations | | | |
|---|---|---|---|
| Date | 9/22/10 | | |
| Time | 14:10 | | |
| DTW | 5.85 | | |
| Casing/Total Depth | 13.72 | | |

Start (Date & Time): 9/21/10 09:50
Finish (Date & Time): 9/21/10 12:30
Weather: Sunny Few Clouds
Temp 75°F/Calm; No Precip.
Elevation of Ground Surface: 15 ft

**Location Sketch:**




| TIME | Sample Interval | Sample No. | Blows / Recovery (ft) | Headspace PID (ppm) | Field Description | Well Schematic | Comments |
|---|---|---|---|---|---|---|---|
| 11:10 | 0-3 | 1 | NA | 275 | 0 Dark Brown SILT and f-m GRAVEL; Little vf-c Sand; Trace Clay (FILL) Dry to Slightly moist; Petroleum odor; Abundant metal, glass, plastic | | 0-3 ft FILL; Air Knife; Hand Dig to clear unknown utilities/structures |
| 11:25 | 3-5 | 2 | NA / 1.6 | 13 | Gray to Grayish Brown SILT & CLAY; Trace vf-f Sand (Moist; Moderate plasticity; cohesive; Trace thin sand lenses in varves) | | 3 ft Encountered definitive native glaciolacustrine deposits; Begin auger drilling. |
| 11:35 | 5-7 | 3 | NA / 1.7 | 4 | 5 5-6.5 ft Same as 3-5 ft<br>6.5-7 ft Gray vf-f SAND & SILT; Trace Clay (Moist; Very moist at 6.5 ft; Cohesive; Pasty) Sand, Silt, and Clay in thin interlaminations) | | |
| 11:40 | 7-9 | 4 | NA / 1.8 | 1.7 | 7-9 ft Same as 6.5-7 ft | | No soil samples submitted for laboratory analysis. |
| 11:45 | 9-11 | 5 | NA / 1.8 | 1.5 | Grayish Brown SILT; Some Clay; 10 Little vf-f Sand (Wet; cohesive; pasty) | | |
| 11:50 | 11-13 | 6 | NA / 2.0 | <1 | Grayish Brown SILT; Little Clay; Trace vf-f Sand (Wet; Cohesive; Pasty; Thin varve interlaminations) | | |
| 12:05 | 13-15 | 7 | NA / 1.8 | <1 | Grayish Brown SILT; Little vf-f Sand and Clay (Wet; Cohesive; Pasty; Thin varve interlaminations) | | |
| | | | | | 15 Bottom of Boring = 15 ft<br>No Bedrock Encountered | | |

Soil Stratigraphy Summary: SILT interbedded and finely interlaminated with variable amounts of clay and vf-f sand (Varves)

Driller: Parratt-Wolff, Inc. (Glen Lansing / Layne Peck)
Inspector: Dan Bishuk
Rig Type: Ingersoll Rand A300
Drilling Method: 4.25-in. ØHSA

# Dvirka and Bartilucci Boring Log

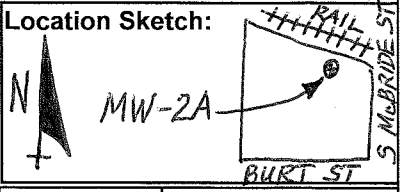
Project Name: McKinney Property / Syracuse
Project #: 2576
Boring Depth: 13 ft

**Boring ID: MW-2A**
Sheet 1 of 1
Location: Near NE corner of property

| Groundwater Observations | | | |
|---|---|---|---|
| Date | 9/22/10 | | |
| Time | 15:15 | | |
| DTW | 9.20 | | |
| Casing/Total Depth | 12.92 | | |

Start (Date & Time): 9/21/10 14:30
Finish (Date & Time): 9/22/10 08:55
Weather: Sunny Few Clouds
Temp 75°F; Calm; No Precip.
Elevation of Ground Surface: ____

**Location Sketch:**




| TIME | Sample Interval | Sample No. | Blows / Recovery (ft) | Headspace PID (ppm) | Field Description | Well Schematic | Comments |
|---|---|---|---|---|---|---|---|
| 14:30 to 15:40 | 0-3 | 1 | NA | 45 | 0 Dark Brown to Dark Gray SILT and f-m GRAVEL; Little vf-c Sand (Moist; Petroleum Odor; Cohesive; Abundant metal, glass, concrete, and brick fragments) | | 0-3 ft: FILL; Air Knife; Hand Dig to clear unknown utilities/structures |
| 15:45 | 3-5 | 2 | NA 0.4 | 1.5 | Brown SILT & CLAY; Little vf-f Sand (Moist to Very moist; Cohesive; Moderate plasticity; Thin varve interlaminations) | | 3ft Encountered definitive native glaciolacustrine deposits; Begin auger drilling. |
| 15:50 | 5-7 | 3 | NA 2 | 1.5 | 5 Brown SILT & CLAY; Trace vf-f Sand (Very moist; Wet @ 5.5-6ft; Cohesive; Moderate plasticity; Varves) | | |
| 15:55 | 7-9 | 4 | NA 2 | 1.0 | 7-7.8ft Same as 5-7ft. 7.8-9ft Grayish Brown SILT; Some vf-f Sand; Trace Clay (Wet; Thin varve interlaminations) | | No soil samples submitted for laboratory analysis. |
| 16:10 | 9-11 | 5 | NA 2 | <1 | 9-10.2 ft Light Brown to Brown SILT and vf-f SAND; Trace Clay (Wet; Varves) 10 10.2-11ft Reddish Brown SILT; Little Clay; Trace vf-f Sand (Wet; Cohesive; Pasty) | | |
| 16:15 | 11-13 | 6 | NA 2 | <1 | 11-11.9ft Light Brown vf-m SAND; Little Silt; Trace c Sand and f Gravel (Wet; Slightly cohesive) 11.9-13ft Reddish Brown SILT; Some Clay; Trace vf-f Sand (Wet; Cohesive; Pasty) Bottom of Boring = 13ft 15 No Bedrock Encountered | | |

Soil Stratigraphy Summary: SILT interbedded and finely interlaminated with variable amounts of clay and vf-f Sand (Varves)

Driller: Parratt-Wolff, Inc. (Glen Lansing / Layne Peck)
Inspector: Dan Bishuk
Rig Type: Ingersoll Rand A300
Drilling Method: 4.25-in. ϕ HSA

# Dvirka and Bartilucci Boring Log

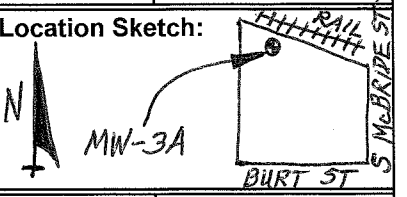
Project Name: McKinney Property / Syracuse
Project #: 2576
Boring Depth: 13 ft

**Boring ID: MW-3A**
Sheet 1 of 1
Location: Near NW corner of property

| Groundwater Observations | | | |
|---|---|---|---|
| Date | 9/22/10 | | |
| Time | 16:15 | | |
| DTW | 5.96 | | |
| Casing/Total Depth | 12.35 | | |

Start (Date & Time): 9/22/10 11:05
Finish (Date & Time): 9/22/10 13:55
Weather: Overcast; Intermittent Showers; 65-70°F; Wind W-NW @ 5 mph
Elevation of Ground Surface:

**Location Sketch:**




| TIME | Sample Interval | Sample No. | Blows / Recovery (ft) | Headspace PID (ppm) | Field Description | Well Schematic | Comments |
|---|---|---|---|---|---|---|---|
| 11:05 to 11:45 | 0-3 | 1 | NA | 14 | 0 Dark Gray to Black SILT and f-c GRAVEL; Little vf-c Sand and Clay (Moist; Strong Petroleum and Sheen; Cohesive; Pasty; Abundant metal, glass, and concrete fragments) | | 0-3 ft FILL; Air Knife; Hand Dig to clear unknown utilities/structures |
| 11:50 | 3-5 | 2 | NA 2 | 1.8 | Dark Gray to Black SILT; Some Clay; Trace vf-f Sand (Moist to Very moist; Wet at 5ft; Petroleum Odor & sheen; cohesive) | | 3ft Encountered definitive native glacio-lacustrine deposits; Begin auger drilling. |
| 11:55 | 5-7 | 3 | NA 2 | 1.6 | 5 Brown SILT; Some Clay; Trace vf-f Sand (Wet; Cohesive; Slight plasticity; Evidence of thin varve interlaminations; Bivalve shell at 6.5 ft) | | |
| 12:00 | 7-9 | 4 | NA 2 | 1.1 | 7-8.5ft Same as 5-7ft<br>8.5-9ft Brown SILT and vf-f SAND; Little Clay (Wet; Cohesive; Pasty) | | No soil samples submitted for laboratory analysis. |
| 12:05 | 9-11 | 5 | NA 2 | 1.1 | 9-9.7ft Same as 8.5-9ft<br>10 9.7-11ft Lt Brown to Reddish Brown SILT; Little vf-f Sand and Clay (Wet; Cohesive; Pasty) | | |
| 12:10 | 11-13 | 6 | NA 2 | 1.0 | 11-11.6 ft Same as 9.7-11ft<br>11.6-13 ft Brown SILT & CLAY; Trace vf-f Sand (Wet; Cohesive; Thin varve interlaminations)<br>Bottom of Boring = 13 ft<br>No Bedrock Encountered<br>15 | | |

Soil Stratigraphy Summary: SILT interbedded and finely interlaminated with variable amounts of clay and vf-f Sand (Varves)

Dvirka and Bartilucci CONSULTING ENGINEERS
A DIVISION OF WILLIAM F. COSULICH ASSOCIATES, P.C.

# Well Construction Log

Site McKinney Property/Syracuse Job No. 2576 Well No. MW-4 (SBRI-2)

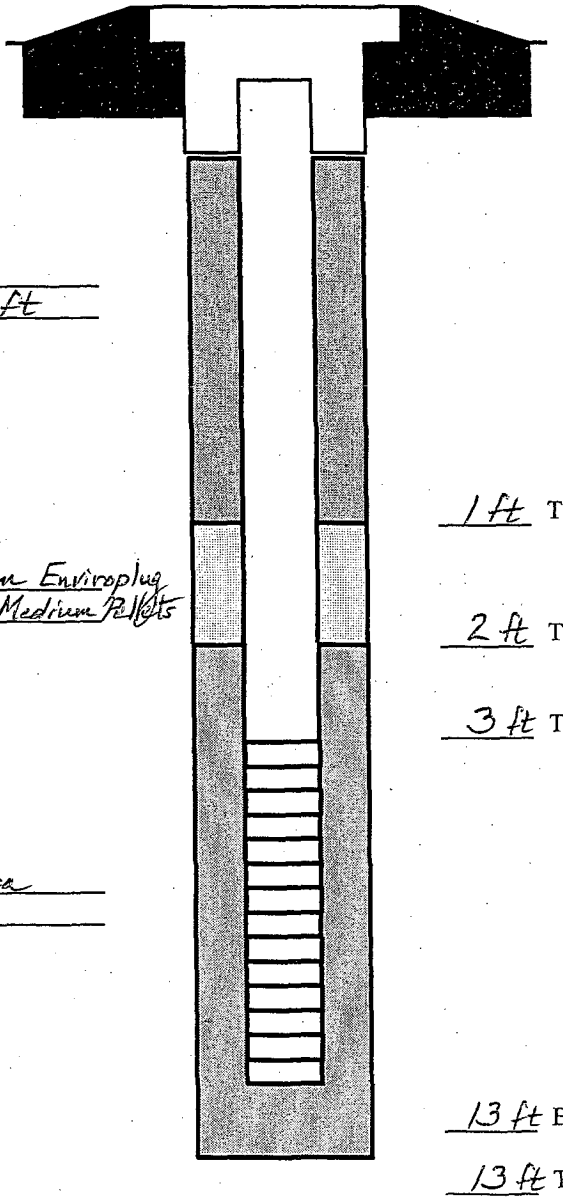
Total Depth 12.77 ft btoc Surface Elevation 402.20 ft MSL Top Riser Elevation 401.97 ft MSL

Water Levels (Depth, Date, Time) 4.92 ft btoc (3/6/08 – 09:00) Date Installed 2/19/08

Riser Dia. 2-inch Material Sch 40 PVC Length 2.7 ft

Screen Dia. 2-inch Material Sch 40 PVC Length 10 ft Slot Size 10

## SCHEMATIC



Surface Seal Type Quikrete concrete mix

Ground Surface 401.97 ft MSL Riser Elevation

≈0.5 ft bgs Bottom Surface Seal

Grout Type None

Secondary Sand Pack = 0.5-1 ft

1 ft Top Seal

Seal Type Wyo-Ben Enviroplug 25 lbs of No. 16 Medium Pellets

2 ft Top Sand Pack

3 ft Top Screen

Sand Pack Type US Silica

Size 0

13 ft Bottom Screen

13 ft Total Depth of Boring

Dvirka and Bartilucci CONSULTING ENGINEERS
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# Well Construction Log

Site McKinney Property / Syracuse  Job No. 2576  Well No. MW-5 (SBRI-3)

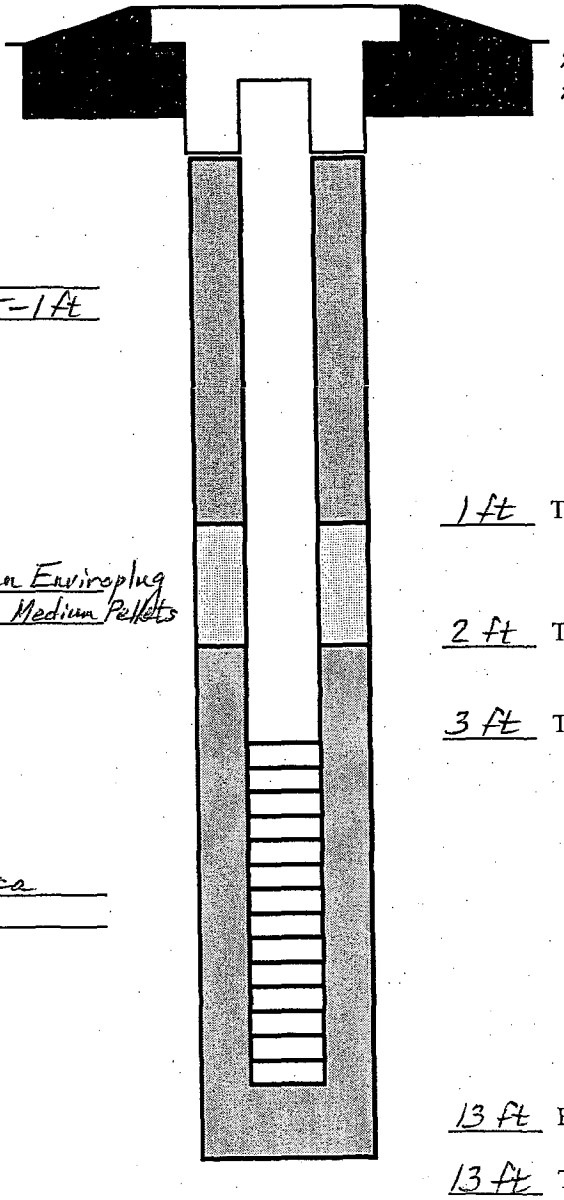
Total Depth 12.65 ft btoc  Surface Elevation 402.57 ft MSL  Top Riser Elevation 402.18 ft MSL

Water Levels (Depth, Date, Time) 2.55 ft btoc (3/6/08 – 09:00)  Date Installed 2/19/08 & 2/20/08

Riser Dia. 2-inch  Material Sch 40 PVC  Length 2.7 ft

Screen Dia. 2-inch  Material Sch 40 PVC  Length 10 ft  Slot Size 10

## SCHEMATIC



Surface Seal Type Quikrete concrete mix

Ground Surface
402.18 ft MSL Riser Elevation
≈0.5 ft bgs Bottom Surface Seal

Grout Type None
Secondary Sand Pack = 0.5–1 ft

1 ft Top Seal

Seal Type Wyo-Ben Enviroplug
25 lbs. of No. 16 Medium Pellets

2 ft Top Sand Pack

3 ft Top Screen

Sand Pack Type US Silica
Size 0

13 ft Bottom Screen

13 ft Total Depth of Boring

Dvirka and Bartilucci CONSULTING ENGINEERS
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# Well Construction Log

Site McKinney Property/Syracuse Job No. 2576 Well No. MW-6 (SBRI-6)

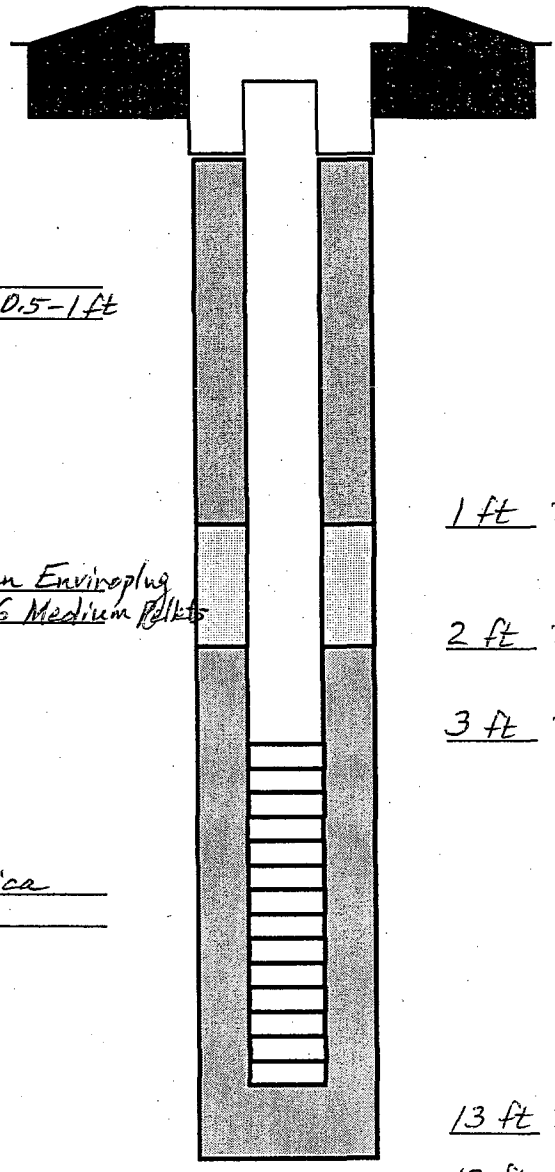
Total Depth 12.99 ft btoc Surface Elevation 402.35 ft MSL Top Riser Elevation 402.15 ft MSL

Water Levels (Depth, Date, Time) 3.25 ft btoc (3/6/08 – 09:00) Date Installed 2/20/08 & 2/21/08

Riser Dia. 2-inch Material Sch 40 PVC Length 2.7 ft
Screen Dia. 2-inch Material Sch 40 PVC Length 10 ft Slot Size 10

## SCHEMATIC

Surface Seal Type Quikrete concrete mix



Ground Surface
402.15 ft MSL Riser Elevation
≈0.5 ft bgs Bottom Surface Seal

Grout Type None
Secondary Sand Pack = 0.5–1 ft

1 ft Top Seal

Seal Type Wyo-Ben Enviroplug
25 lbs. of No. 16 Medium Pellets

2 ft Top Sand Pack

3 ft Top Screen

Sand Pack Type US Silica
Size D

13 ft Bottom Screen

13 ft Total Depth of Boring

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# Well Construction Log

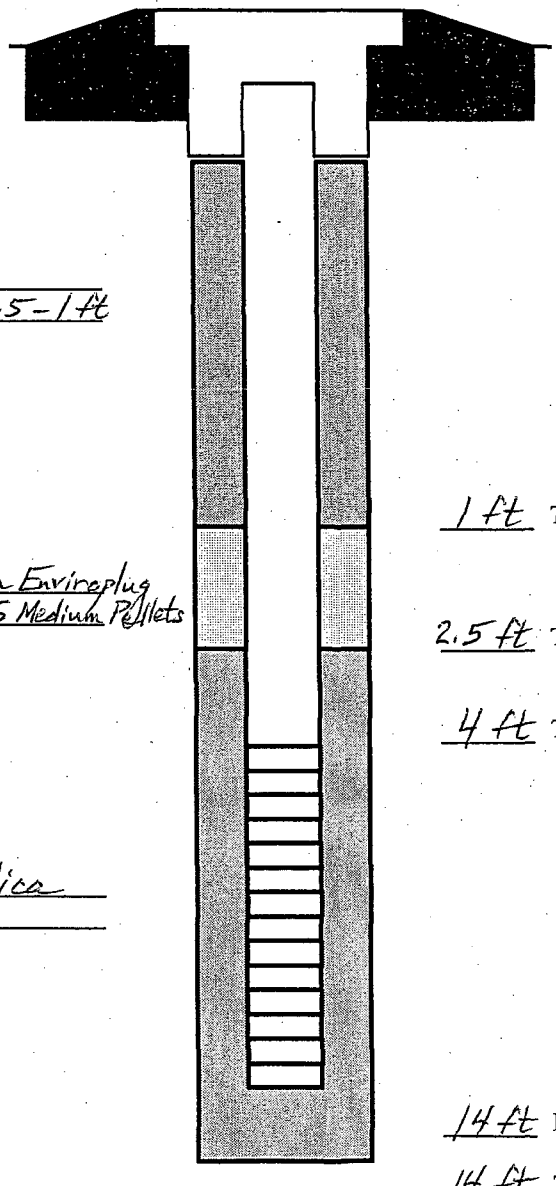
Site McKinney Property / Syracuse Job No. 2576 Well No. MW-7 (SBRI-7)

Total Depth 13.72 ft btoc Surface Elevation 403.32 ft MSL Top Riser Elevation 403.00 ft MSL

Water Levels (Depth, Date, Time) 4.00 ft btoc (3/6/08 — 09:00) Date Installed 2/21/08

Riser Dia. 2-inch Material Sch 40 PVC Length 3.7 ft
Screen Dia. 2-inch Material Sch 40 PVC Length 10 ft Slot Size 10

## SCHEMATIC



Surface Seal Type QuiKrete concrete mix

Ground Surface
403.00 ft MSL Riser Elevation
≈0.5 ft bgs Bottom Surface Seal

Grout Type None
Secondary Sand Pack = 0.5-1 ft

1 ft Top Seal

Seal Type Wyo-Ben Enviroplug
50 lbs. of No. 16 Medium Pellets

2.5 ft Top Sand Pack

4 ft Top Screen

Sand Pack Type US Silica
Size 0

14 ft Bottom Screen

14 ft Total Depth of Boring

Dvirka and Bartilucci CONSULTING ENGINEERS
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# Well Construction Log

Site McKinney Property Site  Job No. 2576  Well No. MW-8

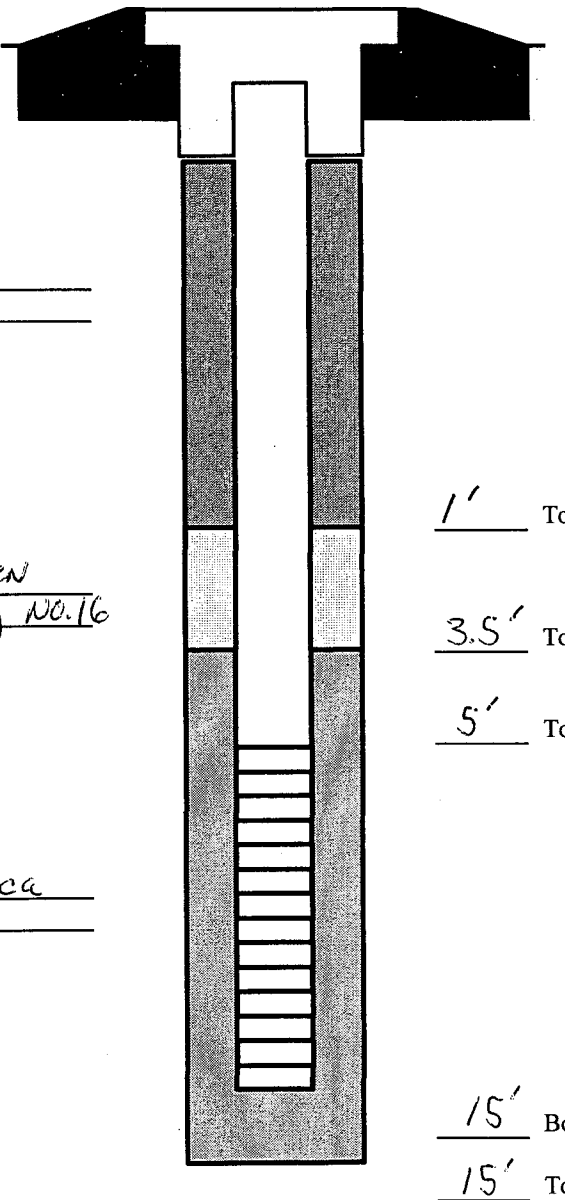
Total Depth 15.0  Surface Elevation 402.10  Top Riser Elevation 401.67

Water Levels (Depth, Date, Time) 3/17/10 11'6gs  Date Installed 3/17/2010

Riser Dia. 2"  Material PVC  Length 5'
Screen Dia. 2"  Material PVC  Length 10'  Slot Size 0.010

## SCHEMATIC

Surface Seal Type Quikrete concrete



Ground Surface
401.67 Riser Elevation
0.5'bgs Bottom Surface Seal

Grout Type None

1' Top Seal

Seal Type Wyo-Ben Enviroplug No.16

3.5' Top Sand Pack

5' Top Screen

Sand Pack Type US Silica
Size 0

15' Bottom Screen

15' Total Depth of Boring

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# Well Construction Log

Site McKinney Property / Syracuse Job No. 2576 Well No. MW-1A

Total Depth ~~14 ft~~ 13.72 ft btoc Surface Elevation _____ Top Riser Elevation _____

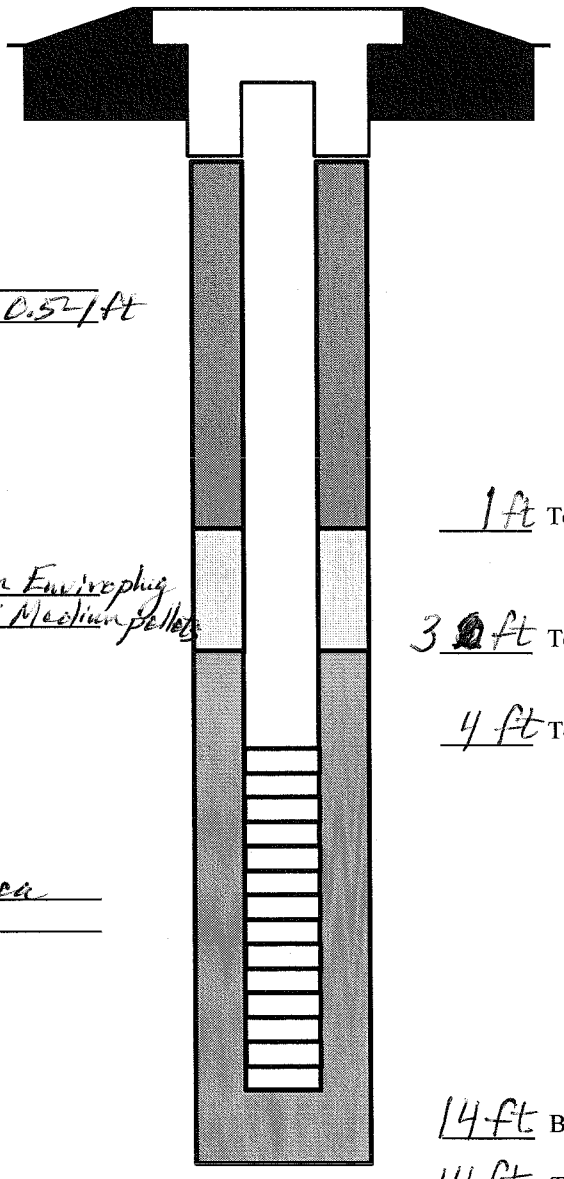
Water Levels (Depth, Date, Time) 5.85 @ 14:10 9/22/10 Date Installed 9/21/10

Riser Dia. 2-inch Material Sch 40 PVC Length 3.7 ft

Screen Dia. 2-inch Material Sch 40 PVC Length 10 ft Slot Size 10

## SCHEMATIC

Surface Seal Type Quikcrete concrete mix



Ground Surface

_____ Riser Elevation

_____ Bottom Surface Seal

Grout Type None

Secondary Sand Pack = 0.5 / ft

1 ft Top Seal

Seal Type Wyo-Ben Enviroplug

50 lbs. of No. 16 Medium pellets

3 ft Top Sand Pack

4 ft Top Screen

Sand Pack Type US Silica

Size 0

14 ft Bottom Screen

14 ft Total Depth of Boring

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# Well Construction Log

Site McKinney Property/Syracuse Job No. 2576 Well No. MW-2A

Total Depth 12.92 ft btoc Surface Elevation _____ Top Riser Elevation _____

Water Levels (Depth, Date, Time) 9.20 ft btoc @ 9/22/10 15:13 Date Installed 9/22/10

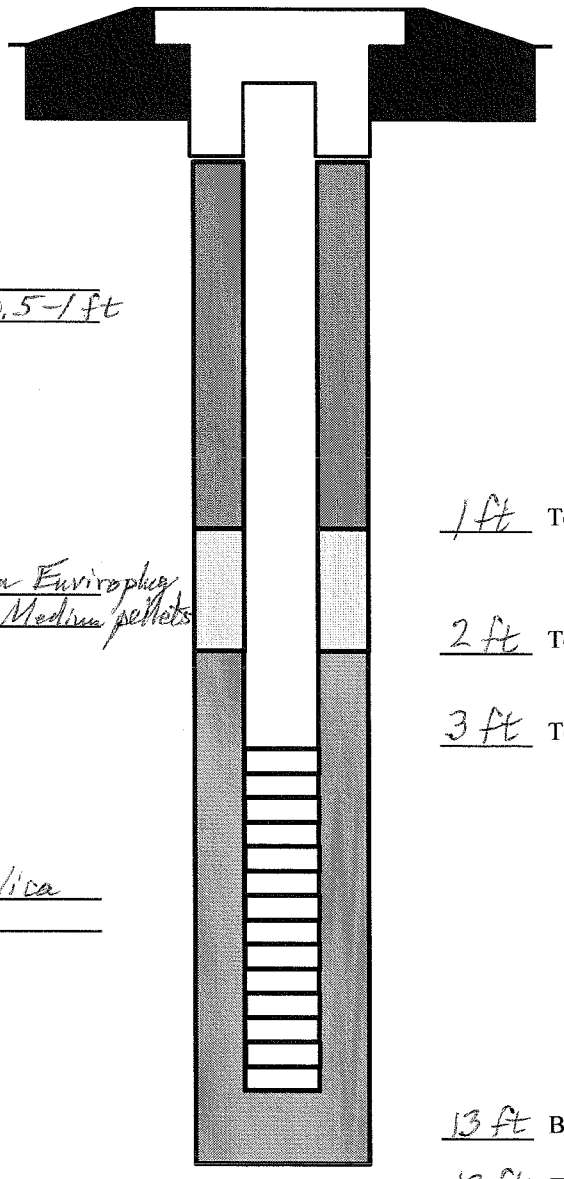
Riser Dia. 2-inch Material Sch 40 PVC Length 2.9 ft
Screen Dia. 2-inch Material Sch 40 PVC Length 10 ft Slot Size 10

## SCHEMATIC

Surface Seal Type QuiKcrete concrete mix

Ground Surface
_____ Riser Elevation
_____ Bottom Surface Seal

Grout Type None
Secondary Sand Pack = 0.5-1 ft



1 ft Top Seal

Seal Type Wyo-Ben Enviroplug 50 lbs of 1/No. 16 Medium pellets

2 ft Top Sand Pack

3 ft Top Screen

Sand Pack Type US Silica
Size 0

13 ft Bottom Screen

13 ft Total Depth of Boring

Dvirka and Bartilucci CONSULTING ENGINEERS
A DIVISION OF WILLIAM F. COSULICH ASSOCIATES, P.C.

# Well Construction Log

Site McKinney Property / Syracuse Job No. 2576 Well No. MW-3A

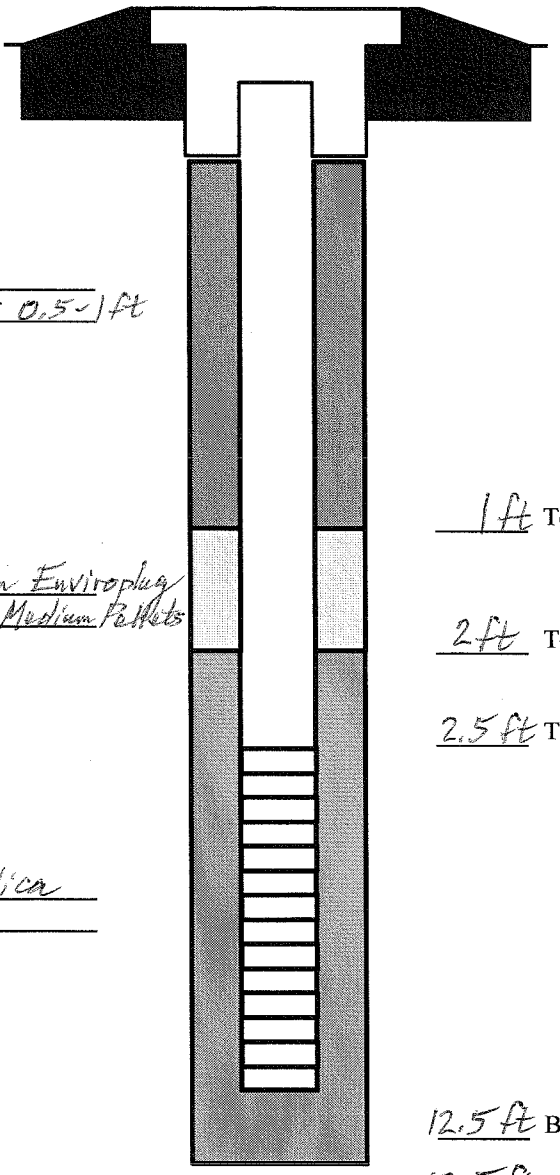
Total Depth 12.35 ft btoc Surface Elevation _____ Top Riser Elevation _____

Water Levels (Depth, Date, Time) 5.96 ft btoc @ 9/22/10 16:15 Date Installed 9/22/10

Riser Dia. 2-inch Material Sch 40 PVC Length 2.2 ft
Screen Dia. 2-inch Material Sch 40 PVC Length 10 ft Slot Size 10

## SCHEMATIC

Surface Seal Type
Quikcrete concrete mix



Ground Surface
_____ Riser Elevation
_____ Bottom Surface Seal

Grout Type None
Secondary Sand Pack = 0.5-1 ft

1 ft Top Seal

Seal Type Wyo-Ben Enviroplug
50 lbs of No. 16 Medium Pellets

2 ft Top Sand Pack

2.5 ft Top Screen

Sand Pack Type US Silica
Size 0

12.5 ft Bottom Screen

12.5 ft Total Depth of Boring

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# SOIL VAPOR PROBE
## Well Construction Log

Site McKinney Property / Syracuse  Job No. 2576  Well No. SV-1

Total Depth 7 ft  Surface Elevation NA  Top Riser Elevation NA

Water Levels (Depth, Date, Time) Adjacent 8.29 ft (3/6/08) @ MW-1 10.18 ft (9/25/08)  Date Installed 2/21/08

Riser Dia. 3/8" I.D. Material Teflon Length 6.3 ft

Screen Dia. 1/2" O.D. Material Stainless Steel Length 0.7 ft Slot Size NC

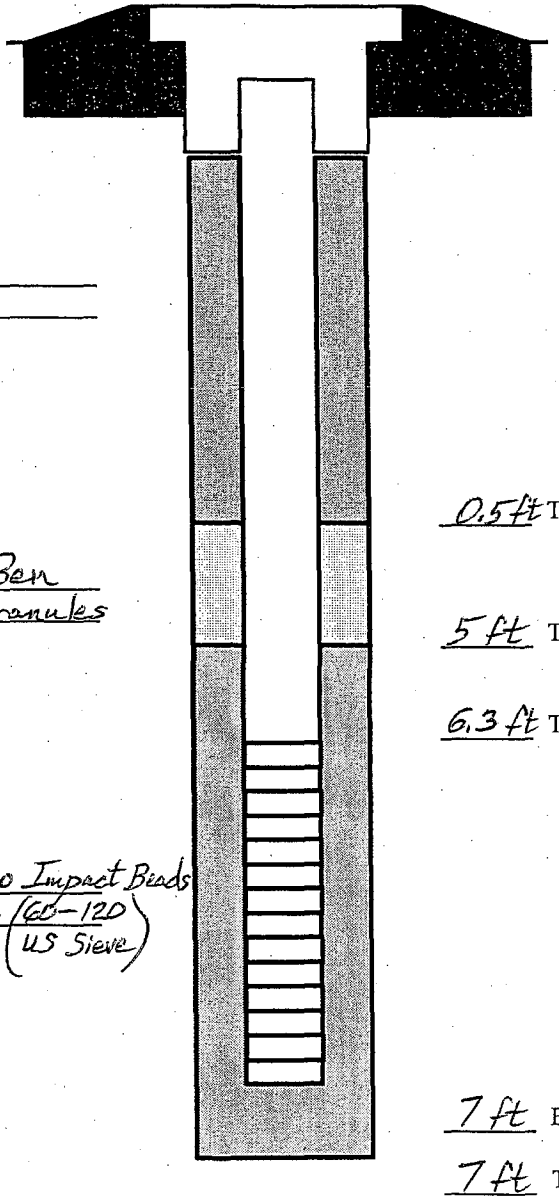
### SCHEMATIC

Surface Seal Type: Quikrete concrete mix (0-0.5 ft bgs)

Ground Surface

NA Riser Elevation

NA Bottom Surface Seal



Grout Type NA

0.5 ft Top Seal

Seal Type Wyo-Ben Fine Granules

5 ft Top ~~Sand Pack~~ Glass Bead Pack

6.3 ft Top Screen

Glass Bead ~~Sand~~ Pack Type Ballotino Impact Beads

Size Size AC (60-120 US Sieve)

7 ft Bottom Screen

7 ft Total Depth of Boring

Dvirka and Bartilucci CONSULTING ENGINEERS
A DIVISION OF WILLIAM F. COSULICH ASSOCIATES, P.C.

# SOIL VAPOR PROBE
## Well Construction Log

Site McKinney Property/Syracuse Job No. 2576 Well No. SV-2

Total Depth 4 ft Surface Elevation NA Top Riser Elevation NA

Water Levels (Depth, Date, Time) Adjacent 5.93 ft (3/6/08) @ MW-2 6.61 ft (9/25/08) Date Installed 2/21/08

Riser Dia. 3/8" I.D. Material Teflon Length 3.3 ft

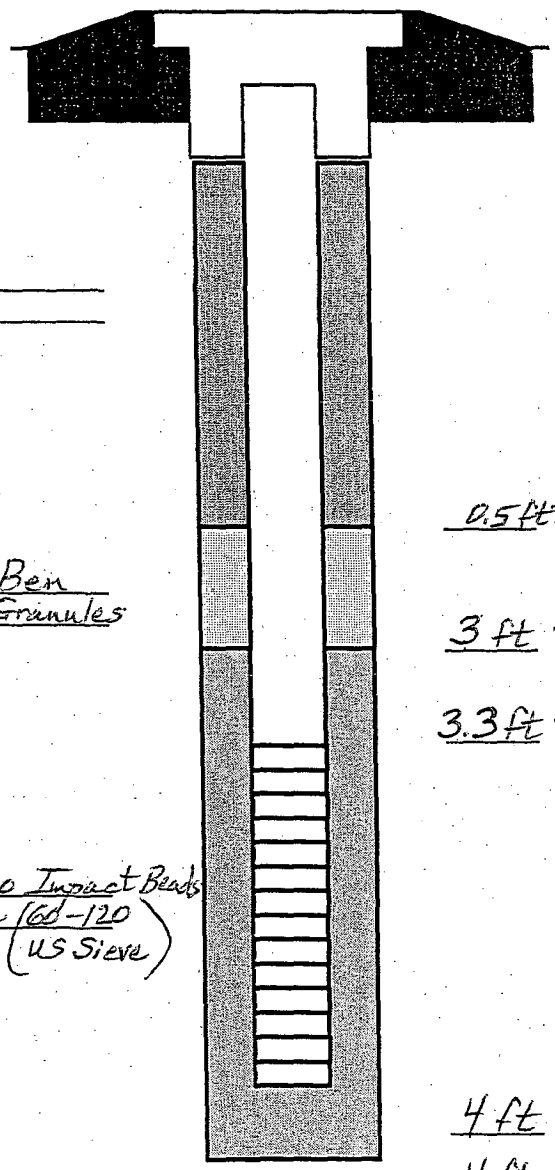
Screen Dia. 1/2" O.D. Material Stainless Steel Length 0.7 ft Slot Size NC

### SCHEMATIC

Surface Seal Type Quikrete concrete mix (0-0.5 ft bgs)

Ground Surface
NA Riser Elevation
NA Bottom Surface Seal

Grout Type NA



0.5 ft Top Seal

Seal Type Wyo-Ben Fine Granules

3 ft Top ~~Sand Pack~~ Glass Bead Pack

3.3 ft Top Screen

Glass Bead
~~Sand~~ Pack Type Ballotino Impact Beads
Size Size AC 60-120 (US Sieve)

4 ft Bottom Screen

4 ft Total Depth of Boring

Dvirka and Bartilucci CONSULTING ENGINEERS
A DIVISION OF WILLIAM F. COSULICH ASSOCIATES, P.C.

# SOIL VAPOR PROBE
## Well Construction Log

Site McKinney Property/Syracuse Job No. 2576 Well No. SV-3

Total Depth 4 ft Surface Elevation NA Top Riser Elevation NA

Water Levels (Depth, Date, Time) Adjacent @ MW-3 DTP 5.43 DTW 9.22 ft (3/6/08) DTP 7.35 DTW 7.42 ft (4/25/08) Date Installed 2/21/08

Riser Dia. 3/8" I.D. Material Teflon Length 3.3 ft

Screen Dia. 1/2" O.D. Material Stainless Steel Length 0.7 ft Slot Size NC

### SCHEMATIC

Surface Seal Type QuiKrete concrete mix (0–0.5 ft bgs)

Ground Surface

NA Riser Elevation

NA Bottom Surface Seal

Grout Type NA

0.5 ft Top Seal

Seal Type Wyo-Ben Fine Granules

3 ft Top ~~Sand Pack~~ Glass Bead Pack

3.3 ft Top Screen

Glass Bead

~~Sand~~ Pack Type Ballotino Impact Beads

Size Size AC (60–120 US Sieve)

4 ft Bottom Screen

4 ft Total Depth of Boring

Dvirka and Bartilucci CONSULTING ENGINEERS
A DIVISION OF WILLIAM F. COSULICH ASSOCIATES, P.C.

# SOIL VAPOR PROBE
## Well Construction Log

Site McKinney Property/Syracuse Job No. 2576 Well No. SV-4

Total Depth 2 ft Surface Elevation NA Top Riser Elevation NA

Water Levels (Depth, Date, Time) Adjacent @ MW-5 2.55 ft btoc (3/6/08) 4.31 ft btoc (9/25/08) Date Installed 2/20/08

Riser Dia. 3/8" I.D. Material Teflon Length 1.3 ft

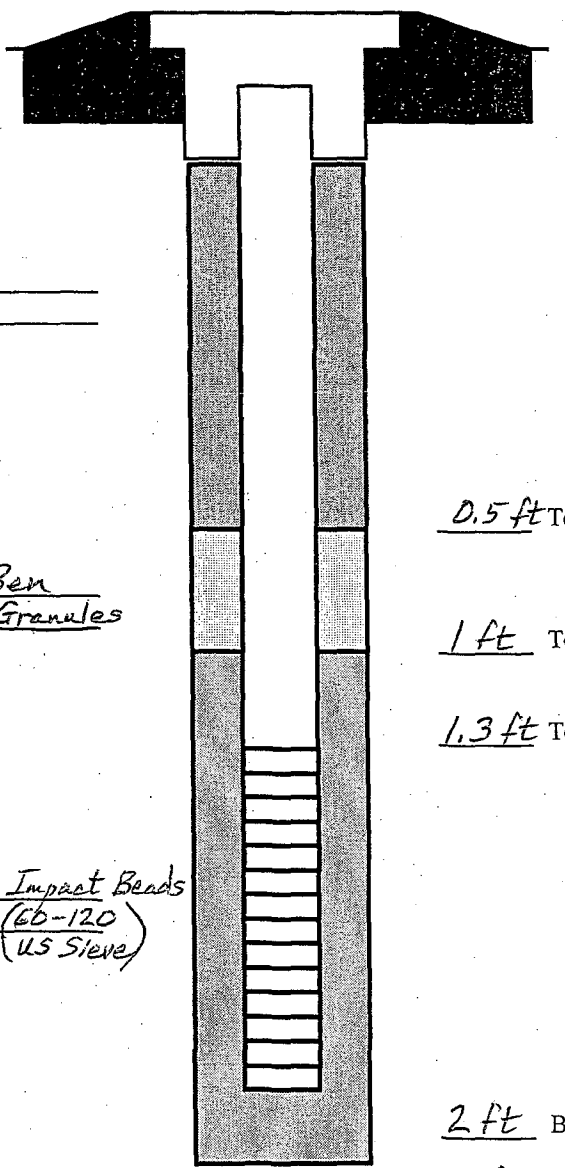
Screen Dia. 1/2" O.D. Material Stainless Steel Length 0.7 ft Slot Size NC

## SCHEMATIC

Surface Seal Type Quikrete concrete mix (0-0.5 ft bgs)

Ground Surface
NA Riser Elevation
NA Bottom Surface Seal

Grout Type NA



0.5 ft Top Seal

Seal Type Wyo-Ben Fine Granules

1 ft Top ~~Sand Pack~~ Glass Bead Pack

1.3 ft Top Screen

Glass Bead
~~Sand~~ Pack Type Ballotino Impact Beads
Size Size AC (60-120 US Sieve)

2 ft Bottom Screen

2 ft Total Depth of Boring

Dvirka and Bartilucci CONSULTING ENGINEERS
A DIVISION OF WILLIAM F. COSULICH ASSOCIATES, P.C.

# Well Construction Log

Site McKinney Property Site  Job No. 2576  Well No. SV-5

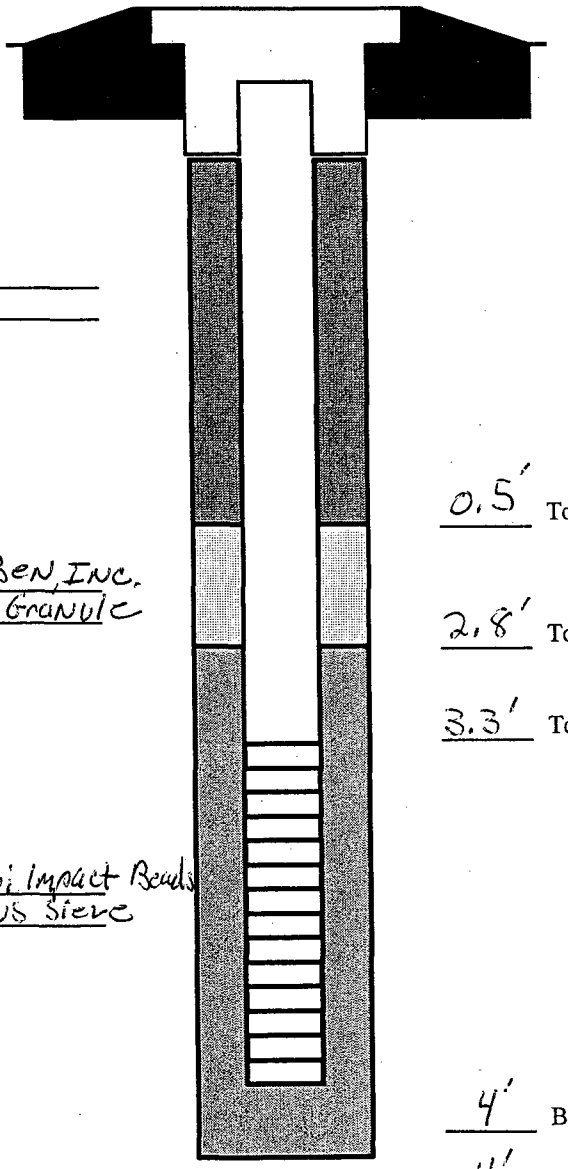
Total Depth 4'  Surface Elevation 402.11  Top Riser Elevation ———

Water Levels (Depth, Date, Time) NA  Date Installed 3/17/10

Riser Dia. 3/8" I.D. Material Teflon Length 4.3'
Screen Dia. 1/2" O.D. Material ~~Stainless steel~~ Length 0.7' Slot Size NA

## SCHEMATIC

Surface Seal Type Concrete



Ground Surface
Riser Elevation
Bottom Surface Seal

Grout Type NA

0.5' Top Seal

Seal Type WYO-BEN, INC. Medium Granule

2.8' Top Sand Pack

3.3' Top Screen

Sand Pack Type Baffotini Impact Beads
Size 60-120 US Sieve

4' Bottom Screen

4' Total Depth of Boring

# Appendix H

# APPENDIX H

# WELL DEVELOPMENT RECORDS

## Well Development Data Sheet



Site Name: McKinney  Job Number: 2576  Date: 3/13/2008  Well ID: MW-1

On Site Personnel: D. Bishuk

Weather Conditions: Intermittent snow, wind 0-6 mph

**Development Technique**

- [x] bailing
- [ ] peristaltic pump
- [ ] air lift
- [ ] other
- [ ] 12 volt submersible
- [ ] surge block
- [ ] trash pump w/foot valve

Static water level before development: 8.25
Bottom of well: 21.71

| Date | Water Removal Start | Stop | Elapsed Time (min) | Flow Rate (gpm) | Approx Vol. Removed (gallons) | pH (s.u.) | Cond. (mS/cm) | Turb (NTU) | Temp (°C) | Observations/Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| 3/13/2008 | 1540 | --- | --- | | 0.25 | 7.56 | 0.682 | >1000 | 8.51 | Initial water quality |
| 3/13/2008 | 1546 | --- | --- | | 2.1 | 7.42 | 0.695 | >1000 | 9.63 | |
| 3/13/2008 | 1551 | --- | --- | | 4.2 | 7.4 | 0.693 | >1000 | 10.05 | |
| 3/13/2008 | 1556 | --- | --- | | 6.3 | 7.38 | 0.68 | >1000 | 10.49 | |
| 3/13/2008 | 1749 | --- | --- | | 8.4 | 7.4 | 0.674 | >1000 | 9.67 | |
| 3/13/2008 | 1755 | --- | --- | | 10.5 | 7.22 | 0.679 | >1000 | 10.42 | |
| 3/14/2008 | --- | 1410 | --- | | 10.5 | 7.78 | 0.685 | 57 | 9.87 | Final water quality |

**Well Development Data Sheet**



Site Name: McKinney  Job Number: 2576  Date: 3/13/2008  Well ID: MW-2

On Site Personnel: D. Bishuk

Weather Conditions: Intermittent snow, wind 0-6 mph

**Development Technique**

- [x] bailing
- [ ] peristaltic pump
- [ ] air lift
- [ ] other
- [ ] 12 volt submersible
- [ ] surge block
- [ ] trash pump w/foot valve

Static water level before development: 5.57

Bottom of well: 18.45

| Date | Water Removal Start | Stop | Elapsed Time (min) | Flow Rate (gpm) | Approx Vol. Removed (gallons) | pH (s.u.) | Cond. (mS/cm) | Turb (NTU) | Temp (°C) | Observations/Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| 3/13/2008 | 1610 | --- | --- | | 0.25 | 7.66 | 1.55 | >1000 | 8.06 | Initial water quality |
| 3/13/2008 | 1615 | --- | --- | | 2 | 7.48 | 1.62 | >1000 | 9.09 | |
| 3/13/2008 | 1620 | --- | --- | | 4 | 7.46 | 1.62 | >1000 | 9.96 | |
| 3/13/2008 | 1626 | --- | --- | | 6 | 7.41 | 1.5 | >1000 | 10.19 | |
| 3/13/2008 | 1810 | --- | --- | | 8 | 7.42 | 1.5 | >1000 | 9.34 | |
| 3/13/2008 | 1814 | --- | --- | | 10 | 7.22 | 1.51 | >1000 | 10.53 | |
| 3/14/2008 | --- | 1425 | --- | | 10 | 7.28 | 1.37 | 18 | 10.22 | Final water quality |

**Well Development Data Sheet**



Site Name: McKinney  Job Number: 2576  Date: 3/13/2008  Well ID: MW-4

On Site Personnel: D. Bishuk

Weather Conditions: Intermittent snow, wind 0-6 mph

**Development Technique**

- [x] bailing (Initial)
- [ ] peristaltic pump
- [ ] air lift
- [x] 12 volt submersible
- [ ] surge block
- [ ] trash pump w/foot valve
- [ ] other

Static water level before development: 4.35

Bottom of well: 12.77

| Date | Water Removal Start | Stop | Elapsed Time (min) | Flow Rate (gpm) | Approx Vol. Removed (gallons) | pH (s.u.) | Cond. (mS/cm) | Turb (NTU) | Temp (°C) | Observations/Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| 3/13/2008 | 1345 | --- | --- | | 0.25 | 7.61 | 1.430 | >1000 | 5.87 | Begin bailing/Initial Water Quality |
| 3/13/2008 | 1350 | --- | --- | | 1.3 | 7.82 | 1.39 | >1000 | 5.55 | |
| 3/13/2008 | 1405 | --- | --- | | 2.6 | 7.75 | 1.44 | >1000 | 5.8 | |
| 3/13/2008 | 1415 | --- | --- | | 3.9 | 7.71 | 1.42 | >1000 | 7.4 | |
| 3/13/2008 | 1645 | --- | --- | | 5.2 | 7.59 | 1.45 | >1000 | 6.99 | |
| 3/13/2008 | 1651 | --- | --- | | 6.5 | 7.4 | 1.43 | >1000 | 7.33 | End bailing |
| 3/14/2008 | 845 | --- | --- | 0.25 | 6.5 | 7.72 | 1.470 | 880 | 6.8 | Start Pumping |
| 3/14/2008 | 850 | --- | --- | 0.25 | 7.8 | 7.84 | 1.43 | 849 | 5.79 | |
| 3/14/2008 | 855 | --- | --- | 0.25 | 9.17 | 7.81 | 1.4 | 827 | 6.88 | |
| 3/14/2008 | 900 | --- | --- | 0.25 | 10.4 | 7.71 | 1.42 | 818 | 7.23 | |
| 3/14/2008 | 905 | --- | --- | 0.25 | 11.7 | 7.57 | 1.42 | 780 | 9.68 | |
| 3/14/2008 | 910 | --- | --- | 0.25 | 13 | 7.55 | 1.48 | 588 | 9.46 | |
| 3/14/2008 | 915 | --- | --- | 0.25 | 14.3 | 7.51 | 1.5 | 557 | 9.53 | |
| 3/14/2008 | 920 | --- | --- | 0.25 | 15.6 | 7.52 | 1.5 | 536 | 9.36 | |
| 3/14/2008 | 925 | --- | --- | 0.25 | 16.9 | 7.44 | 1.49 | 310 | 10.45 | |
| 3/14/2008 | 930 | --- | --- | 0.25 | 18.2 | 7.4 | 1.49 | 125 | 10.49 | |
| 3/14/2008 | 935 | --- | --- | 0.25 | 19.5 | 7.37 | 1.47 | 67 | 10.52 | |
| 3/14/2008 | --- | 940 | --- | 0.25 | 20.8 | 7.36 | 1.44 | 42 | 10.54 | End Pumping/Final Water Quality |

**Well Development Data Sheet**



Site Name: McKinney Job Number: 2576 Date: 3/13/2008 Well ID: MW-5

On Site Personnel: D. Bishuk

Weather Conditions: Intermittent snow, wind 0-6 mph

**Development Technique**

| | |
|---|---|
| bailing (Initial) | 12 volt submersible |
| peristaltic pump | surge block |
| air lift | trash pump w/foot valve |
| other_____ | |

Static water level before development: 2.58
Bottom of well: 12.65

| Date | Water Removal Start | Stop | Elapsed Time (min) | Flow Rate (gpm) | Approx Vol. Removed (gallons) | pH (s.u.) | Cond. (mS/cm) | Turb (NTU) | Temp (°C) | Observations/Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| 3/13/2008 | 1420 | --- | --- | | 0.25 | 8.55 | 0.310 | >1000 | 4.6 | Begin bailing/Initial Water Quality |
| 3/13/2008 | 1426 | --- | --- | | 1.6 | 8.51 | 0.281 | >1000 | 4.33 | |
| 3/13/2008 | 1433 | --- | --- | | 3.2 | 8.38 | 0.281 | >1000 | 4.62 | |
| 3/13/2008 | 1438 | --- | --- | | 4.8 | 8.3 | 0.277 | >1000 | 4.77 | |
| 3/13/2008 | 1657 | --- | --- | | 6.4 | 8.43 | 0.275 | >1000 | 4.18 | |
| 3/13/2008 | 1702 | --- | --- | | 8 | 8.14 | 0.27 | >1000 | 4.29 | End bailing |
| 3/14/2008 | 1005 | --- | --- | 0.3 | 8 | 8.15 | 0.273 | >1000 | 5.84 | Start Pumping |
| 3/14/2008 | 1010 | --- | --- | 0.3 | 9.6 | 8.19 | 0.272 | 975 | 5.48 | |
| 3/14/2008 | 1015 | --- | --- | 0.3 | 11.1 | 8.17 | 0.271 | 949 | 5.54 | |
| 3/14/2008 | 1020 | --- | --- | 0.3 | 12.7 | 8.18 | 0.268 | 736 | 5.28 | |
| 3/14/2008 | 1025 | --- | --- | 0.3 | 14.3 | 8.18 | 0.267 | 507 | 5.37 | |
| 3/14/2008 | 1030 | --- | --- | 0.3 | 15.9 | 8.17 | 0.269 | 369 | 5.51 | |
| 3/14/2008 | 1035 | --- | --- | 0.3 | 17.5 | 8.22 | 0.268 | 246 | 5.44 | |
| 3/14/2008 | 1040 | --- | --- | 0.3 | 19.1 | 8.24 | 0.266 | 90 | 5.48 | |
| 3/14/2008 | --- | 1045 | --- | 0.3 | 20.7 | 8.26 | 0.267 | 54 | 5.49 | End Pumping/Final Water Quality |

**Well Development Data Sheet**



Site Name: McKinney Job Number: 2576 Date: 3/13/2008 Well ID: MW-6

On Site Personnel: D. Bishuk

Weather Conditions: Intermittent snow, wind 0-6 mph

**Development Technique**

- bailing (Initial)
- peristaltic pump
- air lift
- other_____
- 12 volt submersible
- surge block
- trash pump w/foot valve

Static water level before development: 2.61

Bottom of well: 12.99

| Date | Water Removal Start | Stop | Elapsed Time (min) | Flow Rate (gpm) | Approx Vol. Removed (gallons) | pH (s.u.) | Cond. (mS/cm) | Turb (NTU) | Temp (°C) | Observations/Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| 3/13/2008 | 1446 | --- | --- | | 0.25 | 7.6 | 0.853 | >1000 | 5.56 | Begin bailing/Initial Water Quality |
| 3/13/2008 | 1452 | --- | --- | | 1.7 | 7.45 | 0.833 | >1000 | 6.17 | |
| 3/13/2008 | 1457 | --- | --- | | 3.4 | 7.42 | 0.872 | >1000 | 6.82 | |
| 3/13/2008 | 1502 | --- | --- | | 5.1 | 7.42 | 0.915 | >1000 | 7.51 | |
| 3/13/2008 | 1715 | --- | --- | | 6.8 | 7.4 | 0.845 | >1000 | 6.19 | |
| 3/13/2008 | 1720 | --- | --- | | 8.5 | 7.23 | 0.849 | >1000 | 7.14 | End bailing |
| 3/14/2008 | 1135 | --- | --- | 0.4 | 8.5 | 7.56 | 0.920 | >1000 | 8.39 | Start Pumping |
| 3/14/2008 | 1140 | --- | --- | 0.4 | 10.2 | 7.62 | 0.913 | >1000 | 7.93 | |
| 3/14/2008 | 1145 | --- | --- | 0.4 | 11.9 | 7.63 | 0.91 | 737 | 7.89 | |
| 3/14/2008 | 1150 | --- | --- | 0.4 | 13.6 | 7.59 | 0.924 | 390 | 8.3 | |
| 3/14/2008 | 1155 | --- | --- | 0.4 | 15.3 | 7.54 | 0.933 | 194 | 8.75 | |
| 3/14/2008 | 1200 | --- | --- | 0.4 | 17 | 7.52 | 0.937 | 103 | 8.95 | |
| 3/14/2008 | 1205 | --- | --- | 0.4 | 18.7 | 7.52 | 0.936 | 89 | 8.77 | |
| 3/14/2008 | --- | 1210 | --- | 0.4 | 20.4 | 7.52 | 0.935 | 47 | 8.73 | End Pumping/Final Water Quality |

**Well Development Data Sheet**



Site Name: McKinney Job Number: 2576 Date: 3/13/2008 Well ID: MW-7

On Site Personnel: D. Bishuk

Weather Conditions: Intermittent snow, wind 0-6 mph

**Development Technique**

- bailing (Initial)
- peristaltic pump
- air lift
- other_____
- 12 volt submersible
- surge block
- trash pump w/foot valve

Static water level before development: 3.84
Bottom of well: 13.72

| Date | Water Removal Start | Stop | Elapsed Time (min) | Flow Rate (gpm) | Approx Vol. Removed (gallons) | pH (s.u.) | Cond. (mS/cm) | Turb (NTU) | Temp (°C) | Observations/Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| 3/13/2008 | 1513 | --- | --- | | 0.25 | 7.85 | 0.671 | >1000 | 5.38 | Begin bailing/Initial Water Quality |
| 3/13/2008 | 1518 | --- | --- | | 1.6 | 7.67 | 0.671 | >1000 | 5.01 | |
| 3/13/2008 | 1524 | --- | --- | | 3.2 | 7.59 | 0.676 | >1000 | 6.22 | |
| 3/13/2008 | 1530 | --- | --- | | 4.8 | 7.46 | 0.658 | >1000 | 7.21 | |
| 3/13/2008 | 1731 | --- | --- | | 6.4 | 7.74 | 0.665 | >1000 | 6.6 | |
| 3/13/2008 | 1736 | --- | --- | | 8 | 7.41 | 0.663 | >1000 | 7.02 | End bailing |
| 3/14/2008 | 1250 | --- | --- | 0.25 | 8 | 7.71 | 0.681 | 759 | 6.97 | Start Pumping |
| 3/14/2008 | 1258 | --- | --- | 0.25 | 10 | 7.83 | 0.665 | 562 | 6.47 | |
| 3/14/2008 | 1306 | --- | --- | 0.25 | 12 | 7.76 | 0.658 | 261 | 6.68 | |
| 3/14/2008 | 1314 | --- | --- | 0.25 | 14 | 7.77 | 0.585 | 125 | 6.48 | |
| 3/14/2008 | 1322 | --- | --- | 0.25 | 16 | 7.81 | 0.497 | 83 | 6.29 | |
| 3/14/2008 | --- | 1330 | --- | 0.25 | 18 | 7.81 | 0.485 | 49 | 6.19 | End Pumping/Final Water Quality |

**Well Development Data Sheet**



Site Name: McKinney  Job Number: 2576  Date: 3/23/2010  Well ID: MW-8

On Site Personnel: D. Bishuk

Weather Conditions: Intermittent Showers 40 F
Calm, No Wind

**Development Technique**

- [x] bailing
- [ ] peristaltic pump
- [ ] air lift
- [ ] other_____
- [ ] 12-volt sumersible
- [ ] surge block
- [ ] trash pump w/foot valve

Static water level before development: 4.52
Bottom of well: 14.25

| Date | Water Removal Start | Stop | Elapsed Time (min) | Flow Rate (gpm) | Approx Vol. Removed (gallons) | pH (s.u.) | Cond. (mS/cm) | Turb (NTU) | Temp (°C) | Observations/Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| 3/23/2010 | 1000 | | 0 | NA | 0.5 | 6.97 | 1.72 | >999 | 8.27 | |
| 3/23/2010 | 1007 | | 7 | NA | 2.3 | 6.93 | 1.41 | >999 | 7.94 | |
| 3/23/2010 | 1014 | | 14 | NA | 4.6 | 6.85 | 1.35 | >999 | 8.4 | |
| 3/23/2010 | 1021 | | 21 | NA | 6.9 | 6.88 | 1.37 | >999 | 8.62 | Bailed dry; Allow well to recharge |
| 3/23/2010 | 1048 | | 48 | NA | 9.2 | 6.96 | 1.62 | >999 | 8.78 | Bailed dry; Allow well to recharge |
| 3/23/2010 | 1112 | | 72 | NA | 11.5 | 6.97 | 1.39 | >999 | 9.09 | Bailed dry; Allow well to recharge |
| 3/23/2010 | 1137 | | 97 | NA | 13.8 | 7.06 | 1.64 | >999 | 9.14 | Bailed dry; Allow well to recharge |
| 3/23/2010 | 1235 | | 155 | NA | 16.1 | 7.04 | 1.59 | >999 | 8.64 | Bailed dry; Allow well to recharge |
| 3/23/2010 | 1252 | | 172 | NA | 18.4 | 6.94 | 1.38 | >999 | 8.92 | Bailed dry; Allow well to recharge |
| 3/23/2010 | 1315 | | 195 | NA | 20.7 | 7.01 | 1.39 | >999 | 9.27 | Bailed dry; Allow well to recharge |
| 3/23/2010 | | 1342 | 222 | NA | 23 | 6.97 | 1.39 | >999 | 9.31 | |
| | | | | | | | | | | |

**Well Development Data Sheet**



Site Name: McKinney  Job Number: 2576  Date: 9/22/2010  Well ID: MW-1A

On Site Personnel: D. Bishuk

Weather Conditions: Intermittent Showers 65-70 F
Wind W-NW @ 0-5 mph

**Development Technique**

- [x] bailing
- [ ] peristaltic pump
- [ ] air lift
- [ ] other_____
- [ ] 12-volt sumersible
- [ ] surge block
- [ ] trash pump w/foot valve

Static water level before development: 5.85
Bottom of well: 13.72

| Date | Water Removal Start | Stop | Elapsed Time (min) | Flow Rate (gpm) | Approx Vol. Removed (gallons) | pH (s.u.) | Cond. (mS/cm) | Turb (NTU) | Temp (°C) | Observations/Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| 9/22/2010 | 1410 | | 0 | NA | 0.25 | 7.30 | 0.608 | >999 | 19.6 | |
| 9/22/2010 | 1414 | | 4 | NA | 1.3 | 7.15 | 0.566 | >999 | 18.2 | |
| 9/22/2010 | 1420 | | 10 | NA | 2.6 | 7.03 | 0.588 | >999 | 17.6 | |
| 9/22/2010 | 1424 | | 14 | NA | 3.9 | 7.01 | 0.559 | >999 | 17.0 | |
| 9/22/2010 | 1433 | | 23 | NA | 5.2 | 7.00 | 0.564 | >999 | 16.7 | Bailed dry; Allow well to recharge |
| 9/22/2010 | 1443 | | 33 | NA | 6.5 | 7.09 | 0.562 | >999 | 16.4 | Bailed dry; Allow well to recharge |
| 9/22/2010 | 1540 | | 93 | NA | 7.8 | 7.44 | 0.578 | >999 | 16.3 | Bailed dry; Allow well to recharge |
| 9/22/2010 | | 1548 | 101 | NA | 9.1 | 7.27 | 0.579 | >999 | 16.0 | Hard bottom @ 13.72 |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

**Well Development Data Sheet**



Site Name: McKinney  Job Number: 2576  Date: 9/22/2010  Well ID: MW-2A

On Site Personnel: D. Bishuk

Weather Conditions: Intermittent Showers 65-70 F
Wind W-NW @ 0-5 mph

**Development Technique**

- [x] bailing
- [ ] peristaltic pump
- [ ] air lift
- [ ] other_____
- [ ] 12-volt sumersible
- [ ] surge block
- [ ] trash pump w/foot valve

Static water level before development: 9.20
Bottom of well: 12.90

| Date | Water Removal Start | Stop | Elapsed Time (min) | Flow Rate (gpm) | Approx Vol. Removed (gallons) | pH (s.u.) | Cond. (mS/cm) | Turb (NTU) | Temp (°C) | Observations/Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| 9/22/2010 | 1515 | | 0 | NA | 0.25 | 7.57 | 1.94 | >999 | 17.9 | |
| 9/22/2010 | 1520 | | 5 | NA | 0.6 | 8.12 | 2.00 | >999 | 16.5 | |
| 9/22/2010 | 1530 | | 15 | NA | 1.2 | 8.06 | 1.90 | >999 | 16.0 | |
| 9/22/2010 | 1605 | | 50 | NA | 1.8 | 7.84 | 1.93 | >999 | 16.4 | Bailed dry; Allow well to recharge |
| 9/22/2010 | 1730 | | 135 | NA | 2.4 | 7.80 | 1.96 | >999 | 16.1 | Bailed dry; Allow well to recharge |
| 9/22/2010 | 1735 | | 140 | NA | 3.0 | 7.77 | 1.88 | >999 | 15.9 | Bailed dry; Allow well to recharge |
| 9/22/2010 | | 1755 | 153 | NA | 3.6 | 7.81 | 1.85 | >999 | 15.8 | Hard bottom @ 12.92 |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

**Well Development Data Sheet**



Site Name: McKinney  Job Number: 2576  Date: 9/22/2010  Well ID: MW-3A

On Site Personnel: D. Bishuk

Weather Conditions: Intermittent Showers 65-70 F
Wind W-NW @ 0-5 mph

**Development Technique**

- bailing
- peristaltic pump
- air lift
- other_____
- 12-volt sumersible
- surge block
- trash pump w/foot valve

Static water level before development: 5.96
Bottom of well: 12.19

| Date | Water Removal Start | Stop | Elapsed Time (min) | Flow Rate (gpm) | Approx Vol. Removed (gallons) | pH (s.u.) | Cond. (mS/cm) | Turb (NTU) | Temp (°C) | Observations/Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| 9/22/2010 | 1615 | | 0 | NA | 0.25 | 7.12 | 1.25 | 824 | 18.8 | |
| 9/22/2010 | 1622 | | 7 | NA | 1 | 7.09 | 1.24 | >999 | 18.3 | |
| 9/22/2010 | 1635 | | 20 | NA | 2 | 7.07 | 1.24 | >999 | 18.0 | |
| 9/22/2010 | 1645 | | 30 | NA | 3 | 7.08 | 1.22 | >999 | 17.8 | |
| 9/22/2010 | 1657 | | 42 | NA | 4 | 7.11 | 1.09 | >999 | 17.4 | |
| 9/22/2010 | 1709 | | 54 | NA | 5 | 7.13 | 1.13 | >999 | 17.3 | |
| 9/22/2010 | 1720 | | 65 | NA | 6 | 7.17 | 1.09 | >999 | 16.9 | Bailed dry; Allow well to recharge |
| 9/22/2010 | | 1745 | 90 | NA | 7 | 7.15 | 1.11 | >999 | 17.1 | Hard Bottom @ 12.35 |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

# Appendix I

# APPENDIX I

# DISPOSAL DOCUMENTATION

# Riccelli Enterprises, Inc.

PO Box 6418
Syracuse, NY 13217
(315)433-5115 FAX#(315)433-1920

INVOICE NUMBER 118642
INVOICE DATE Oct-23-2009
CUST OPTSYR
P.O.#:
JOB#: 1413663

RECEIVED
NOV - 3 2009
By

OP-TECH ENVIRONMENTAL SERVICES
1 ADLER DRIVE
C/o Accounts Payable
East Syracuse, NY 13057

**Charge for Trucking:** C & D FRIABLE

| Delivery Date | Order # | | Bill Qty |
|---|---|---|---|
| **Deliver To: IESI SENECA MEADOWS (WATERLOO,NY)** | | | |
| **Pickup From: SYRACUSE HOUSING (SYRACUSE,NY)** | | | |
| 2009-10-20 | F1822347A | Freight (U.S. Ton) | 17.61 TON |
| 2009-10-21 | F1822758FFA | Freight (U.S. Ton) | 11.24 TON |
| 2009-10-21 | F1822860FFA | Freight (U.S. Ton) | 29.6 TON |
| 2009-10-22 | F1823013A | Freight (U.S. Ton) | 12.2 TON |
| 2009-10-22 | F1823152A | Freight (U.S. Ton) | 16.28 TON |
| 2009-10-23 | F1823536FA | Freight (U.S. Ton) | 27.57 TON |

**Total Charges:**

:

**Total:**

**Amount Payable:**

**SEND REMITTANCE TO:**
Riccelli Enterprises, Inc.
PO Box 6418
Syracuse, NY 13217

Terms are 30 Days from Date of Invoice. Annual interest rate is 18% plus legal fees. As security for the value of this sale the seller has the right to file a lien upon property improved to the extent of the value of such materials/services.NYS Law

# Seneca Meadows, Inc. W/M#450104

1786 Salcman Road
Waterloo, NY 13165

Ticket No: 1822347

Date: 10-20-09
In:
Out:

15 RIC

Order No: A09172

Truck Id: RIC612

Gross Wt: 76440 lbs
Tare Wt: 41220 lbs
Net Wt: 35220 lbs
1761 tns

Material:
Deliver: 0.00
Misc: 0.00

Total Due:

Price/Tn:

Paid:
Check No:

Weigh Master:

Driver:

Remarks: OK PER RON

RICCELLI ENTERPRISES INC.

Syracuse
P.O. Box 6418
Syracuse, NY 13217
(315) 433-5115

Rochester
6800 W. Henrietta Road
Rush, NY 14543
(585) 344-8410

Geneva
1210 Gifford Road
Phelps, NY 14532
(315) 548-4049

31840

# NON-HAZARDOUS SOLID WASTE MANIFEST

| TRANSPORTER | DATE | TIME IN / OUT | |
|---|---|---|---|
| RICCELLI ENTERPRISES INC.<br>P.O. BOX 6418<br>SYRACUSE, NY 13217 | 10-20-09 | | |
| TRUCK # 612 | TRAILER # 290 | | |

| CONSIGNEE | SHIPPER |
|---|---|
| RICCELLI ENTERPRISES INC.<br>P.O. BOX 6418<br>SYRACUSE, NY 13217<br>PHONE # (315) 433-5115 | OP-Tech<br>S. MC Bride and Burt Ave<br>Syracuse, N.Y. |

| NO. PIECES | ARTICLES OR DESCRIPTION | WEIGHT |
|---|---|---|
| 1 | LD C+D<br>Asbestos | WEIGHT IN<br>WEIGHT OUT<br>BILLED WEIGHT |

SHIPPER SIGNATURE _____ PRINT NAME _____

DRIVER SIGNATURE Thomas R. Bus PRINT NAME Tom Bako

SPECIAL INSTRUCTIONS:
Charge to Riccelli by the Ton

DESTINATION:
Seneca Meadows

FOR APPROVAL: _____

CONSIGNEE PRINT NAME _____

CONSIGNEE SIGN HERE _____
(NO INITIALS)

RECEIVED ABOVE MATERIAL IN GOOD CONDITION

FIRM _____ DATE _____ ☐ AM ☐ PM

BY _____ TIME _____

Solid waste being interpreted to mean only solid waste or waste containing animal and vegetable matter, rubbish, trash, debris, ashes and metal non-toxic sludge and other waste materials which is not a radioactive volatile, highly flammable explosive toxic or hazardous nature as listed.

Seneca Resources, Inc.
[illegible]
[illegible]

Ticket: 1823536
Date: 10/23/2008
Time: 10:31:23

Customer: 13WQ / MICHELI ENERGY
Carrier: 3867 / MICHELI ENTERPRISES
Profile: 6011.72-15WQC / ESCC-6011.72-3

Origin: 83 / ONONDAGA
Tracic: R0C141

Gross: 54620LBS
Tare: 26000LBS
Net: 28620LBS

Comments:

| Wastes & Services | Quantity |
|---|---|
| 46BCD1 / CONT RSB CAP TN | 27.5200 Tons |

Weighmaster: JHM 450872

Driver:

# WASTE SHIPMENT RECORD

## GENERATOR

1. Owner's name and mailing address
Syracuse Housing Authority
516 Burt Street
Syracuse, NY 13206

Project name and location
Corner of Burt & McBride St
Syracuse, NY

Owner's telephone no.
Attn: David Rickensher
(315) 470-4352

2. Operator's name and address
OP-TECH Environmental Services, Inc.
6392 Deere Road
Syracuse, NY 13206

Project number
SSHA0003

Operator's telephone no.
315-463-1643

3. Waste Disposal Site (WDS)
Name Seneca Meadows
Mailing Address 1786 Saleman Road
Waterloo, NY 13615
Physical Site Location Same

WDS telephone no. 315-539-5624

Additional Information
Approval # A09172

4. Name and address of responsible agency
USEPA Regional Administrator
Region II, 26 Federal Plaza
New York, New York 10278

| 5. Description of materials | 6. Containers No. | Type | 7. Total quantity m³ (yd³) |
|---|---|---|---|
| Asbestos, 9, NA2212, PG III | | | |
| Friable | | | |
| Non-Friable | | | |

8. Special handling instructions and additional information
Avoid Creating Dust

9. OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations.

| Printed/typed name & title | Signature | Month | Day | Year |
|---|---|---|---|---|
| Rebecca Ponza | | | | |

## TRANSPORTER

10. Transporter 1 (Acknowledgment of receipt of materials)

| Printed/typed name & title | Signature | Month | Day | Year |
|---|---|---|---|---|
| Wendell Lehman Jr. | Wendell Lehman | 10 | 23 | 09 |

Address and telephone no.
Riccelli Enterprises
P.O. Box 6401
Syracuse, NY 13202
(315) 433-5115

11. Transporter 2 (Acknowledgment of receipt of materials)

| Printed/typed name & title | Signature | Month | Day | Year |
|---|---|---|---|---|
| | | | | |

Address and telephone no.

## DISPOSAL SITE

12. Discrepancy indication space

13. Waste disposal site owner or operator: Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Grid Coordinates East _____ North _____ El _____

| Printed/typed name & title | Signature | Month | Day | Year |
|---|---|---|---|---|
| | | 10 | 23 | 09 |

Copy 1 - Generator  Copy 2 - Operator  Copy 3 - Waste Disposal Site

Tickets: 1822758

Dates: 10/21/2009

Times: 12:53:43 - 12:55:18

Origin: 83 / ONONDAGA

Destination: 83 / ONONDAGA

Products: 257 / CRUSHED LIMESTONE

Customer: 3017 / [illegible]

Profiles: 3317 - ESKO / [illegible]

Gross: 24.00 LB

Tare: 24.00 LB

Net: 0.00 LB

Vendor & Services

Quantity

ASHCD1 / CONT ASH C&D TN

11.2400 Tons

Weighmasters: BUSS 450014

Drivers:

**GENERATOR**

1. Owner's name and mailing address
Syracuse Housing Authority
516 Burt Street
Syracuse, NY 13206

Project name and location
Corner of Burt & McBride St
Syracuse, NY

Owner's telephone no.
Attn: David Rickensher
(315) 470-4252

2. Operator's name and address
OP-TECH Environmental Services, Inc.
6392 Deere Road
Syracuse, NY 13206

Project number
SSHA0003

Operator's telephone no.
315-463-1643

3. Waste Disposal Site (WDS)
Name Seneca Meadows
Mailing Address 1786 Salcman Road
Waterloo, NY 13615
Physical Site Location Same

WDS telephone no. 315-539-5624

Additional Information
Approval # A09172

4. Name and address of responsible agency
USEPA Regional Administrator
Region II, 26 Federal Plaza
New York, New York 10278

| 5. Description of materials | 6. Containers No. | Type | 7. Total quantity m³ (yd³) |
|---|---|---|---|
| Asbestos, 9, NA2212, PG III | | | |
| Friable | | | |
| Non-Friable | | | |

8. Special handling instructions and additional information
Avoid Creating Dust

9. OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations.

| Printed/typed name & title | Signature | Month | Day | Year |
|---|---|---|---|---|
| Rebecca Ponza | CBell | 10 | 21 | 09 |

**TRANSPORTER**

10. Transporter 1 (Acknowledgment of receipt of materials)

| Printed/typed name & title | Signature | Month | Day | Year |
|---|---|---|---|---|
| DAVIS GIBBS | Davis Gibbs | 10 | 21 | 09 |

Address and telephone no.
Riccelli Enterprises
PO Box 6401
Syracuse, NY 13202
315-433-5115

11. Transporter 2 (Acknowledgment of receipt of materials)

| Printed/typed name & title | Signature | Month | Day | Year |
|---|---|---|---|---|
| | | | | |

Address and telephone no.

**DISPOSAL SITE**

12. Discrepancy indication space

13. Waste disposal site owner or operator: Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Grid Coordinates
East _____ North _____ El _____

| Printed/typed name & title | Signature | Month | Day | Year |
|---|---|---|---|---|
| | | 10 | 21 | 09 |

*Copy 1 - Generator Copy 2 - Operator Copy 3 - Waste Disposal Site*

Tickets

Carriers

Products

Origin

Destination

Quantity

29.0000 Tons

Drivers

GENERATOR

1. Owner's name and mailing address
Syracuse Housing Authority
516 Burt Street
Syracuse, NY 13206

Project name and location
Corner of Burt & McBride St.
Syracuse, NY

Owner's telephone no.
Attn: David Eckensher
(315) 470-4352

2. Operator's name and address
OP-TECH Environmental Services, Inc.
6392 Deere Road
Syracuse, NY 13206

Project number
SSHA0003

Operator's telephone no.
315-463-1643

3. Waste Disposal Site (WDS)
Name Seneca Meadows
Mailing Address ~~1786 Salcman Road~~ ~~Waterloo, NY 13615~~
Physical Site Location Same

WDS telephone no. 315-539-5624

Additional Information
Approval # A09172

4. Name and address of responsible agency
USEPA Regional Administrator
Region II, 26 Federal Plaza
New York, New York 10278

| 5. Description of materials | 6. Containers No. | Type | 7. Total quantity m³ (yd³) |
|---|---|---|---|
| Asbestos, 9, NA2212, PG III | | | |
| Friable | | | |
| Non-Friable | | | |

8. Special handling instructions and additional information
Avoid Creating Dust

9. OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations.

| Printed/typed name & title | Signature | Month | Day | Year |
|---|---|---|---|---|
| Rebecca Ponza | Rebecca Ponza | 10 | 21 | 09 |

TRANSPORTER

10. Transporter 1 (Acknowledgment of receipt of materials)

| Printed/typed name & title | Signature | Month | Day | Year |
|---|---|---|---|---|
| Craig LaBarge | Craig LaBarge | 10 | 21 | 09 |

Address and telephone no.
Riccelli Enterprises
PO Box 6401
Syracuse, NY 13202
315-433-5115

11. Transporter 2 (Acknowledgment of receipt of materials)

| Printed/typed name & title | Signature | Month | Day | Year |
|---|---|---|---|---|
| | | | | |

Address and telephone no.

DISPOSAL SITE

12. Discrepancy indication space

13. Waste disposal site owner or operator: Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Grid Coordinates
East _____ North _____ El _____

| Printed/typed name & title | Signature | Month | Day | Year |
|---|---|---|---|---|
| | | 10 | 27 | 09 |

Copy 1 - Generator  Copy 2 - Operator  Copy 3 - Waste Disposal Site

111975

[illegible] Recycling, Inc.
[illegible] Gallagher Rd.
[illegible]
Ph: (815) 539-3624 Fax: (815) 539-3895

Ticket: 1823813
Date: 10/22/2009
Time: [illegible]

Customer: 15RIC / RICCELLI ENTERPRI
Carrier: 0067 / RICCELLI ENTERPRIS
Profile: 409122-15RIC / 15RIC-409172 #
Origin: 03 / DUNKIRK
Truck: RIC257
Comments:

Gross: 34480LBS
Tare: 30080LBS
Net: 4400LBS

Wastes & Services | Quantity

ASHCAT / CONT ASH CKD TN | 22.2000 Tons

Weighmaster: MMH 452072 | Drivers: [illegible]

# WASTE SHIPMENT RECORD

**GENERATOR**

1. Owner's name and mailing address
Syracuse Housing Authority
516 Burt Street
Syracuse, NY 13206

Project name and location
Corner of Burt & McBride St
Syracuse, NY

Owner's telephone no.
Attn: David Ackensher
(315) 470-4352

2. Operator's name and address
OP-TECH Environmental Services, Inc.
6392 Deere Road
Syracuse, NY 13206

Project number
SSHA0003

Operator's telephone no.
315-463-1643

3. Waste Disposal Site (WDS)
Name: Seneca Meadows
Mailing Address: 1786 Salemau Road
Waterloo, NY 13615
Physical Site Location: Same

WDS telephone no. 315-539-5624

Additional Information
Approval # A09172

4. Name and address of responsible agency
USEPA Regional Administrator
Region II, 26 Federal Plaza
New York, New York 10278

| 5. Description of materials | 6. Containers No. | Type | 7. Total quantity $m^3$ ($yd^3$) |
|---|---|---|---|
| Asbestos, 9, NA2212, PG III | | | |
| Friable | | | |
| Non-Friable | | | |

8. Special handling instructions and additional information
Avoid Creating Dust

9. OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations.

| Printed/typed name & title | Signature | Month | Day | Year |
|---|---|---|---|---|
| Rebecca Ponza | | 10 | 21 | 09 |

**TRANSPORTER**

10. Transporter 1 (Acknowledgment of receipt of materials)

| Printed/typed name & title | Signature | Month | Day | Year |
|---|---|---|---|---|
| DAVE GIBBS | | 10 | 22 | 09 |

Address and telephone no.
Riccelli Enterprises
PO Box 6401
Syracuse, NY 13202
315-433-5115

11. Transporter 2 (Acknowledgment of receipt of materials)

| Printed/typed name & title | Signature | Month | Day | Year |
|---|---|---|---|---|
| | | | | |

Address and telephone no.

**DISPOSAL SITE**

12. Discrepancy indication space

13. Waste disposal site owner or operator: Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Grid Coordinates
East _____ North _____ El _____

| Printed/typed name & title | Signature | Month | Day | Year |
|---|---|---|---|---|
| | | 10 | 22 | 09 |

Copy 1 - Generator  Copy 2 - Operator  Copy 3 - Waste Disposal Site

Seneca Meadows, Inc.
1786 Salmon Rd.
Waterloo, NY 13165
Ph: (315) 539-9364 Fax: (315) 539-3827

Ticket: 1623132
Date: 10/22/2009
Time: 11:02:42 - 11:29:52

Customer: 15RIC / RICOELLI ENTERPRI
Carrier: B667 / RICOELLI ENTERPRIS
Profile: 009172-15RIC / 15RIC-009172 0

Gross: 62500LBS
Tare: 30000LBS
Net: 32500LBS

Origin: 03 / ONONDAGA /
Truck: RR257
Comments:

| Materials & Services | Quantity |
|---|---|
| A58001 / CONT RSV C&D TM | 16.25000 Tons |

Weighmaster: LYDIA 458194 Driver:

# WASTE SHIPMENT RECORD

**GENERATOR**

1. Owner's name and mailing address
Syracuse Housing Authority
516 Burt Street
Syracuse, NY 13206

Project name and location
Corner of Burt & McBride St
Syracuse, NY

Owner's telephone no.
Attn: David Fickenscher
(315) 470-4352

2. Operator's name and address
OP-TECH Environmental Services, Inc.
6392 Deere Road
Syracuse, NY 13206

Project number
SSHA0003

Operator's telephone no.
315-463-1643

3. Waste Disposal Site (WDS)
Name Seneca Meadows
Mailing Address 1786 Salcman Road
Waterloo, NY 13615
Physical Site Location Same

WDS telephone no. 315-539-5624

Additional Information
Approval # A09172

4. Name and address of responsible agency
USEPA Regional Administrator
Region II, 26 Federal Plaza
New York, New York 10278

| 5. Description of materials | 6. Containers No. | Type | 7. Total quantity m³ (yd³) |
|---|---|---|---|
| Asbestos, 9, NA2212, PG III | | | |
| Friable | | | |
| Non-Friable | | | |

8. Special handling instructions and additional information
Avoid Creating Dust

9. OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations.

| Printed/typed name & title | Signature | Month | Day | Year |
|---|---|---|---|---|
| Rebecca Ponza | Jason Woods | 10 | 22 | 09 |

**TRANSPORTER**

10. Transporter 1 (Acknowledgment of receipt of materials)

| Printed/typed name & title | Signature | Month | Day | Year |
|---|---|---|---|---|
| DAVES GIBBS | | 10 | 22 | 09 |

Address and telephone no.
Riccelli Enterprises
PO Box 6401
Syracuse, NY 13202
315-433-5115

11. Transporter 2 (Acknowledgment of receipt of materials)

| Printed/typed name & title | Signature | Month | Day | Year |
|---|---|---|---|---|
| | | | | |

Address and telephone no.

**DISPOSAL SITE**

12. Discrepancy indication space

13. Waste disposal site owner or operator: Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12.

Grid Coordinates East _____ North _____ El ____

| Printed/typed name & title | Signature | Month | Day | Year |
|---|---|---|---|---|
| | | 10 | 22 | 09 |

Copy 1 - Generator Copy 2 - Operator Copy 3 - Waste Disposal Site

# Riccelli Enterprises, Inc.

PO Box 6418
Syracuse, NY 13217
(315)433-8118 FAX#(315)433-1920

INVOICE NUMBER 118889
INVOICE DATE Oct-30-2009
CUST OPTSYR
P.O.#:
JOB#: 1413663

RECEIVED
NOV - 7 2009
By

OP-TECH ENVIRONMENTAL SERVICES
1 ADLER DRIVE
C/o Accounts Payable
East Syracuse, NY 13057

Charge for Trucking: C & D FRIABLE

| Delivery Date | Order # | | Bill Qty |
|---|---|---|---|
| Pickup From: SYRACUSE HOUSING (SYRACUSE,NY) | | | |
| 2009-10-23 | F1823599FA | Freight (U.S. Ton) | 24.9 TON |

SEND REMITTANCE TO:
Riccelli Enterprises, Inc.
PO Box 6418
Syracuse, NY 13217

Terms are 30 Days from Date of Invoice. Annual interest rate is 18% plus legal fees. As security for the value of this sale the seller has the right to file a lien upon property improved to the extent of the value of such materials/services.NYS Law

Seneca Meadows, Inc.
1786 Salmon Rd.
Waterloo, NY 13165
Ph: (315) 539-9624 Fax: (315) 539-3077

Ticket: 1023599
Date: 10/23/2009
Time: 11:49:46 - 12:04:56

Customer: 15RIC / RICCELLI ENTERPRI
Carrier: 867 / RICCELLI ENTERPRIS
Profile: 009172-15RIC / 15RIC-009172 - 8
Cust Ref: 31839
Gross: 89080LBS
Tare: 39690LBS
Net: 49390LBS
Origin: 83 / ONONDAGA
Truck: RIC262
Comments:

| Waste & Services | Quantity |
|---|---|
| 1SW001 / CONT ASB DSD TH | 24.5000 Tons |

Weighmaster: RUSS 450814 / Driver:

RICCELLI ENTERPRISES INC.

Syracuse
P.O. Box 6418
Syracuse, NY 13217
(315) 433-5115

Rochester
6800 W. Henrietta Road
Rush, NY 14543
(585) 344-8410

Geneva
1210 Gifford Road
Phelps, NY 14532
(315) 548-4049

31839

# NON-HAZARDOUS SOLID WASTE MANIFEST

| TRANSPORTER | DATE | TIME IN / OUT | |
|---|---|---|---|
| RICCELLI ENTERPRISES INC.<br>P.O. BOX 6418<br>SYRACUSE, NY 13217 | 10/23/09 | 9:00 A | 10:50 |
| TRUCK # 262 | TRAILER # 158 | | |

| CONSIGNEE | SHIPPER |
|---|---|
| RICCELLI ENTERPRISES INC.<br>P.O. BOX 6418<br>SYRACUSE, NY 13217<br><br>PHONE # (315) 433-5115 | Syracuse Housing Authority<br>516 Burt St<br>Syracuse NY 13206<br>USEPA Regional Administrator<br>Region 2 26 Federal Plaza<br>New York, NY 10278 |

| NO. PIECES | ARTICLES OR DESCRIPTION | WEIGHT |
|---|---|---|
| 1T/L | C+D<br><br>Asbestos 9, NA2212, PGIII | WEIGHT IN<br>WEIGHT OUT<br>BILLED WEIGHT |

SHIPPER SIGNATURE _____ PRINT NAME Eric Lander

DRIVER SIGNATURE James Chapman PRINT NAME James Chapman

SPECIAL INSTRUCTIONS:

DESTINATION:
Seneca Meadows Inc.
Seneca Falls NY

FOR APPROVAL: _____

CONSIGNEE PRINT NAME _____

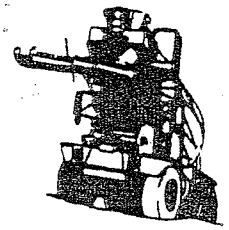
CONSIGNEE SIGN HERE _____ (NO INITIALS)

RECEIVED ABOVE MATERIAL IN GOOD CONDITION

FIRM _____ DATE 10-23-09

BY _____ TIME _____ ☐ AM ☐ PM

Solid waste being interpreted to mean only solid waste or waste containing animal and vegetable matter, rubbish, trash, debris, ashes and metal non-toxic sludge and other waste materials which is not a radioactive volatile, highly flammable explosive toxic or hazardous nature as listed.



**ROBINSON CONCRETE, INC**
3486 FRANKLIN STREET ROAD
AUBURN, NY 13021
(315) 252-7227 PHONE
(315) 252-7595 FAX

# INVOICE

| INVOICE DATE | INVOICE NO. | PAGE |
|---|---|---|
| 10/30/2009 | 1088658 | 1 |

SOLD TO

OPTECH ENVIRONMENTAL SERVICES INC
1 ADLER DRIVE
EAST SYRACUSE NY 13057

SHIP TO

MCBRIDE AND BURT ST TO LANCO

JOB#

SYRACUSE T#R

| ORDER NO. | ORDER DATE | CUSTOMER NO. | PURCHASE ORDER NO. | TERMS |
|---|---|---|---|---|
| | 10/26/2009 | R67810 | MCBRIDE & BURT | NET 30 DAY |

| TICKET # | QUANTITY | U/M | PRODUCT | DESCRIPTION |
|---|---|---|---|---|
| 11964 | 2.00 | | 86500 | DUMP TRUCK DELIVERY FLA |
| 11965 | 2.00 | | 86500 | DUMP TRUCK DELIVERY FLA |
| 11966 | 2.00 | | 86500 | DUMP TRUCK DELIVERY FLA |

RECEIVED
NOV - 2 2009
By

AT [redacted] FREIGHT CHARGES ARE PREPAID ON THIS BILL OF LADING UNLESS MARKED COLLECT.

# STRAIGHT BILL OF LADING

ORIGINAL — NOT NEGOTIABLE

Shipper No. _____

Carrier No 6A-166

Page 1 of 1

OP-TECH Environmental Services, Inc. (Name of carrier) ( SCAC)

Date 10/20/09

On Collect on Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec 1

TO:
Consignee Industrial Oil Tank Services
Street 120 Dry Road
City Oriskany State NY Zip Code 13424

FROM:
Shipper Syracuse Housing Authority
Street 1426 S-th McBride st
City Syracuse State NY Zip Code 13202
24 hr. Emergency Contact Tel. No. 800-225-6750

Route

Vehicle Number 503

| No. of Units & Container Type | HM | BASIC DESCRIPTION Proper Shipping Name, Hazard Class, UN or NA Number, Packing Group or UN or NA Number, Proper Shipping Name, Hazard Class, Packing Group | TOTAL QUANTITY (Weight, Volume, Gallons, etc.) | WEIGHT (Subject to Correction) | RATE | CHARGES (For Carrier Use Only) |
|---|---|---|---|---|---|---|
| 1 TT | | Non-RCRA, Non-DOT Regulated Liquids | Est. 1000 | G | | |
| | | (Run off Water) | | | | |
| | | PO SSHA0003 | | | | |

Received 10-20-09

PLACARDS TENDERED: YES ☐ NO ☑

Note — (1) Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property as follows: "The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____."
(2) Where the applicable tariff provisions specify a limitation of the carrier's liability absent a release or a value declaration by the shipper and the shipper does not release the carrier's liability or declare a value, the carrier's liability shall be limited to the extent provided by such provisions. See NMFC Item 172.
(3) Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged as to ensure safe transportation. See Section 2(e) of Item 360, Bills of Lading, Freight Bills and Statements of Charges and Section 1(a) of the Contract Terms and Conditions for a list of such articles.

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packed, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

_____, Signature

REMIT C.O.D. TO:
ADDRESS

COD Amt. $

C.O.D. FEE:
PREPAID ☐
COLLECT ☐ $

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

_____ (Signature of Consignor)

TOTAL CHARGES $

FREIGHT CHARGES
FREIGHT PREPAID except when box at right is checked ☐ Check box if charges are to be collected

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.
Shipper hereby certifies that he is familiar with all the lading terms and conditions of the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER

PER

DATE

CARRIER OP-TECH Environmental Services, Inc.

PER

DATE 10/20/09

1

Permanent post-office address of shipper.

STYLE CF360-4 © 2003 LABEL MASTER® (800) 621-5808 www.labelmaster.com

AMERICAN LABELMARK COMPANY - CHICAGO, IL 60646 494536-FW

ATTENTION SHIPPERS! FREIGHT CHARGES ARE PREPAID ON THIS BILL OF LADING UNLESS MARKED COLLECT.

# STRAIGHT BILL OF LADING

ORIGINAL — NOT NEGOTIABLE

Shipper No. _____

Carrier No. 6A-166

Page 1 of 1

OP-TECH Environmental Services, Inc. (Name of carrier) (SCAC)

Date 10/19/09

OR Collect on Delivery shipments, the letters 'COD' must appear before consignee's name or as otherwise provided in Item 410, Sec. 1

TO:
Consignee Industrial Oil Tank Services

Street 120 Dry Road

City Oriskany State NY Zip Code 13424

FROM:
Shipper Syracuse Housing Authority

Street 1426 South McBride

City Syracuse State NY Zip Code 13208

24 hr. Emergency Contact Tel. No. 800-225-6750

Route

Vehicle Number

| No. of Units & Container Type | HM | BASIC DESCRIPTION Proper Shipping Name, Hazard Class, UN or NA Number, Packing Group or UN or NA Number, Proper Shipping Name, Hazard Class, Packing Group | TOTAL QUANTITY | WEIGHT | RATE | CHARGES (For Carrier Use Only) |
|---|---|---|---|---|---|---|
| 1 TT | | Non-RCRA Non-DOT Regulated Liquids | Est 3000 | 0 | | |
| | | (Rain Water/ Run-off in basement) | | | | |
| | | PO# SSHA0003 | | | | |

Received 10-20-09 J Walsh

PLACARDS TENDERED: YES ☐ NO ☒

Note - - (1) Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property, as follows: "The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____."
(2) Where the applicable tariff provisions specify a limitation of the carrier's liability absent a release or a value declaration by the shipper and the shipper does not release the carrier's liability or declare a value, the carrier's liability shall be limited to the extent provided by such provisions. See NMFC Item 172.
(3) Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged as to ensure safe transportation. See Section 2(e) of Item 360, Bills of Lading, Freight Bills and Statements of Charges and Section 1(a) of the Contract Terms and Conditions for a list of such articles.

COD

C.O.D. FEE:
PREPAID ☐
COLLECT ☐ $

TOTAL CHARGES $

FREIGHT CHARGES
FREIGHT PREPAID except when box at right is checked ☐ Check box if charges are to be collect

RECEIVED subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER

PER

CARRIER OP-TECH Environmental Services, Inc.

PER

DATE 10/19/09

1

Permanent post-office address of shipper

STYLE CF360-4 ©2003 LABELMASTER® (800) 621-5808 www.labelmaster.com

AMERICAN LABELMARK COMPANY - CHICAGO, IL 60646 494536 FW

# METALICO ALUMINUM RECOVERY, INC

SCALE RECEIVER

*Deox Sales/Wholesale Alum Scrap Purchases*

Phone: 315-463-9500 Fax 315-463-9290 Facility #7106946

6223 THOMPSON ROAD, SYRACUSE, NY 13206

Mailing Address: PO Box 88, East Syracuse, NY 13057

Account: PED
OP TECH

Rob Notaro
55HA0003

Recv Date : 1/14/2010
Receiver # : 322740
Our PO # :

| Commodity | Description | Gross | Tare | Net | Price / UM | Amount |
|---|---|---|---|---|---|---|
| FE501 | CAST IRON | 20,140 | 13,680 | 6,460 | | |
| RU | Round Up | | | 0 | | |
| | Totals | 20,140 | 13,680 | 6,460 | | |

**The list of prohibited materials is posted at the scale**

***Seller certifies that all refrigerant including but not limited to CFC"s and HPC"s as defined in section 608 of the Clean Air Act has not leaked and has previously been recovered from appliances prior to delivery. Seller certifies that the material delivered doesn't contain PCB capacitors, mercury switches, fluids and other material***

*****"Notwithstanding any other warranty or limitation of warranty herein, Seller warrants that to the best of his knowledge, based upon reasonable inquiry, the metal scrap to be delivered under the contract of sale does not contain any "hazardous substance" as that term is defined in 101(14) of the Comprehensive Environmental Response, Compensation and Liability Act, 42, U.S.C.,6901(14), except those "hazardous substances" which are integral constituents of the metallic fraction of the scrap metal or which are contained in the electrolytic fluid in the spent lead acid battery. Seller will indemnity and hold Buyer harmless from any and all claims, demands,and liabilities, including reasonable attorney's fees, resulting in whole or in part from a breach of the foregoing warrant"*****

NAME: _____

ADDRESS: _____

_____

VENDOR DECLARES THAT THE SCRAP BEING SOLD TO METALICO HAS BEEN OBTAINED LEGALLY

Signature: _____ ID: _____

| INVOICE NO. | CUSTOMER NO. | INVOICE DATE | ORDER NO. | GEN CODE |
|---|---|---|---|---|
| W517956 | 08-0009206 | 01/15/2010 | 517956 | 712652 OPT |

**CycleChem** FOR ADDITIONAL INFORMATION PERTAINING TO THIS INVOICE, PLEASE DIAL 1-717-938-4700.



PICK UP FROM: Syracuse Housing Authority

**BILL TO:** OP-TECH ENVIRONMENTAL SERVICES
1 Adler Drive
East Syracuse, NY 13057

SSHA0003 THR

TELEPHONE NUMBER

| EPA ID NO. | MANIFEST NO. | DATE RECEIVED | P.O.# |
|---|---|---|---|
| NY0000201889 | 000634453JJK | 1/5/2010 | |

| PRODUCT CODE | SEQUENCE NUMBER | QUANTITY ORDERED | DESCRIPTION | UNITS | RATE | CONT. | TOTAL |
|---|---|---|---|---|---|---|---|
| MD | A | 1 | Mercury Debris | 450.00 | 5.30/P | DM | 2,385.00 |
| LD | B | 1 | Contaminated Soil | 1.00 | 50.00/EA | 55DM | 50.00 |

RECEIVED JAN 25 2010 By

Disposal Subtotal $2435.00

| COMMENTS/ADDITIONAL CHARGES | AMOUNT |
|---|---|
| QA/QC Fee | No Charge |
| Reg. Admin. Fee | No Charge |

**Please remit payment in full to:**
**Cycle Chem, Inc.**
**P.O. Box 18173 • Newark, NJ 07191**

| PAY THIS AMOUNT | 2,435.00 |
|---|---|

PLEASE NOTE: INTEREST CHARGES OF 1.5% PER MONTH (18% PER YEAR) WILL ACCRUE ON ALL PAST DUE AMOUNTS, ON UNPAID AMOUNTS, INTEREST AND ALL EXPENSES OF COLLECTIONS INCLUDING A REASONABLE ATTORNEY FEE IN AN AMOUNT OF 20% WILL BE CHARGED.

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

**UNIFORM HAZARDOUS WASTE MANIFEST**

1. Generator ID Number: NY0000201889
2. Page 1 of: 1
3. Emergency Response Phone: 800-225-6750
4. Manifest Tracking Number: 000634453 JJK

**GENERATOR**

5. Generator's Name and Mailing Address
Syracuse Housing Authority
516 Burt Street
Syracuse, NY 13202
Generator's Phone: 315-470-4352

Generator's Site Address (if different than mailing address)
Corner of Burt & McBride St.
Syracuse, NY 13202

6. Transporter 1 Company Name: OP-TECH Environmental Services, Inc.
U.S. EPA ID Number: NYD986980753

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Cycle Chem, Inc.
550 Industrial Drive
Lewisberry, PA 17339
Facility's Phone: 717-938-4700
U.S. EPA ID Number: PAD067098822

| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers No. | 10. Containers Type | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes | | |
|---|---|---|---|---|---|---|---|---|
| X | 1. Waste Mercury, 8, UN2809, PGIII (ERG#172) | 1 | DM | 300 | P | D009 | R | |
| | 2. Non Regulated Solid | 1 | DM | 200 | P | NONE | L | |
| | 3. | | | | | | | |
| | 4. | | | | | | | |

14. Special Handling Instructions and Additional Information
9a-1) 712652-A-MD (Mercury Debris)
9a-2) 712652-B-LD (Soil)
Job #55HA0003 (SD)

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: D E FICKENSCHER
Signature: D Fickenscher
Month: 12 Day: 23 Year: 09

**INTL**

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

**TRANSPORTER**

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: TYSON M. GARVEY
Signature: T Garvey
Month: 12 Day: 23 Year: 09
Transporter 2 Printed/Typed Name
Signature
Month Day Year

**DESIGNATED FACILITY**

18. Discrepancy
Month Day Year
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
18b. Alternate Facility (or Generator) Manifest Reference Number:
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H141 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Lisa Namick
Signature: Lisa Namick
Month: 01 Day: 05 Year: 10

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

**DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)**

CycleChem

| INVOICE NO. | CUSTOMER NO. | INVOICE DATE | ORDER NO. | GEN CODE |
|---|---|---|---|---|
| 0158314-IN | 06-0003206 | 02/01/2010 | 517956 | |

FOR ADDITIONAL INFORMATION PERTAINING TO THIS INVOICE, PLEASE DIAL 1-717-938-4700.

PICK UP FROM: SYRACUSE HOUSING AUTHORITY

SSHA0003
THR

**BILL TO:** OP-TECH ENVIRONMENTAL SERVICES
C/O ACCTS PAYABLE
1 ADLER DRIVE
EAST SYRACUSE, NY 13057

TELEPHONE NUMBER

PA MEY



| EPA ID NO | MANIFEST NO. | DATE RECEIVED | P.O.# |
|---|---|---|---|
| | | 01/29/2010 | |

| PRODUCT CODE | SEQUENCE NUMBER | QUANTITY ORDERED | DESCRIPTION | UNITS | RATE | CONT. | TOTAL |
|---|---|---|---|---|---|---|---|
| | | 1.00 | LD OFFSPEC'D TO CR15<br>[FREE MERCURY IN DRUM] | TTL | 1,833.80 | | 1,833.80 |

FEB - 6 2010

| COMMENTS/ADDITIONAL CHARGES | | AMOUNT |
|---|---|---|
| RE: INV# W517956 | QA/QC FEE | |
| | MANIFEST PREPARATION | |
| | LABELS | |
| | REGULATORY ADMIN. FEE | |
| | SUB-TOTAL | 1,833.80 |
| | DEMURRAGE | |
| | TRANSPORTATION | |
| | STATE TAX | 0.00 |

**Please remit payment in full to:**
**Cycle Chem, Inc.**
**P.O. Box 18173 • Newark, NJ 07191**

| PAY THIS AMOUNT | 1,833.80 |
|---|---|

PLEASE NOTE: INTEREST CHARGES OF 1.5% PER MONTH (18% PER YEAR) WILL ACCRUE IN ALL PAST DUE AMOUNTS. ON UNPAID AMOUNTS, INTEREST AND ALL EXPENSES OF COLLECTIONS INCLUDING A REASONABLE ATTORNEY FEE IN AN AMOUNT OF 20% WILL BE CHARGED.

# Appendix J

# APPENDIX J

# ANALYTICAL RESULTS

**TABLE 1a.**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SURFACE SOIL SAMPLE RESULTS - FEBRUARY 2008**
**VOLATILE ORGANIC COMPOUNDS**

| Sample Identification | SSRI-1 (1.5-2.0) | SSRI-2 (1.5-2.0) | SSRI-3 (1.5-2.0) | SSRI-4 (1.5-2.0) | SSRI-5 (1.5-2.0) | Contract Required Detection Limit | Unrestricted Use Soil Cleanup Objectives[1] | Restricted Use Soil Cleanup Objectives[2] | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 2/5/2008 | 2/5/2008 | 2/5/2008 | 2/5/2008 | 2/5/2008 | | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | |
| Percent Moisture | 23 | 22 | 17 | 30 | 27 | | | | | | |
| Units | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) |
| Dichlorodifluoromethane | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Chloromethane | 5 J | 13 J | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Vinyl Chloride | 4 J | U | U | U | U | 10 | 20 | 210 | 900 | 13,000 | 20 |
| Bromomethane | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Chloroethane | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Trichlorofluoromethane | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| 1,1-Dichloroethene | U | U | U | U | U | 10 | 330 | 100,000[a] | 100,000[a] | 500,000[b] | 330 |
| 1,1,2-Trichloro-1,2,2-triflu. | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Acetone | 17 | 88 | 15 | U | 49 | 10 | 50 | 100,000[a] | 100,000[a] | 500,000[b] | 50 |
| Carbon Disulfide | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Methyl Acetate | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Methylene Chloride | U | U | U | U | U | 10 | 50 | 51,000 | 100,000[a] | 500,000[b] | 50 |
| trans-1,2-Dichloroethene | U | U | U | U | U | 10 | 190 | 100,000[a] | 100,000[a] | 500,000[b] | 190 |
| Methyl tert-Butyl Ether | U | U | U | U | U | 10 | 930 | 62,000 | 100,000[a] | 500,000[b] | 930 |
| 1,1-Dichloroethane | 4 J | 8 J | U | U | U | 10 | 270 | 19,000 | 26,000 | 240,000 | 270 |
| cis-1,2-Dichloroethene | 4 J | 3 J | U | U | U | 10 | 250 | 59,000 | 100,000[a] | 500,000[b] | 250 |
| 2-Butanone | U | U | U | U | 10 J | 10 | ---- | ---- | ---- | ---- | ---- |
| Chloroform | U | U | U | U | U | 10 | 370 | 10,000 | 49,000 | 350,000 | 370 |
| 1,1,1-Trichloroethane | U | U | U | U | U | 10 | 680 | 100,000[a] | 100,000[a] | 500,000[b] | 680 |
| Cyclohexane | U | 2200 D | 4 J | U | 130 | 10 | ---- | ---- | ---- | ---- | ---- |
| Carbon Tetrachloride | U | U | U | U | U | 10 | 760 | 1,400 | 2,400 | 22,000 | 760 |
| Benzene | U | U | U | U | 32 | 10 | 60 | 2,900 | 4,800 | 44,000 | 60 |
| 1,2-Dichloroethane | U | U | U | U | U | 10 | 20[c] | 2,300 | 3,100 | 30,000 | 20[f] |
| Trichloroethene | U | U | U | U | U | 10 | 470 | 10,000 | 21,000 | 200,000 | 470 |
| Methylcyclohexane | U | 5500 D | 8 J | U | 74 | 10 | ---- | ---- | ---- | ---- | ---- |
| 1,2-Dichloropropane | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Bromodichloromethane | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| cis-1,3-Dichloropropene | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| 4-Methyl-2-Pentanone | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Toluene | 6 J | 16 | 4 J | U | 16 | 10 | 700 | 100,000[a] | 100,000[a] | 500,000[b] | 700 |
| Trans-1,3-Dichloropropene | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| 1,1,2-Trichloroethane | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Tetrachloroethene | U | U | U | U | U | 10 | 1,300 | 5,500 | 19,000 | 150,000 | 1,300 |
| 2-Hexanone | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Dibromochloromethane | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| 1,2-Dibromoethane | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |

**TABLE 1a. (continued)**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SURFACE SOIL SAMPLE RESULTS - FEBRUARY 2008**
**VOLATILE ORGANIC COMPOUNDS**

| Sample Identification | **SSRI-1 (1.5-2.0)** | **SSRI-2 (1.5-2.0)** | **SSRI-3 (1.5-2.0)** | **SSRI-4 (1.5-2.0)** | **SSRI-5 (1.5-2.0)** | Contract Required Detection Limit | Unrestricted Use Soil Cleanup Objectives | *Restricted Use Soil Cleanup Objectives | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 02/05/08 | 02/05/08 | 02/05/08 | 02/05/08 | 02/05/08 | | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | |
| Percent Moisture | 23 | 22 | 17 | 30 | 27 | | | | | | |
| Units | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) |
| Chlorobenzene | U | U | U | U | U | 10 | 1,100 | 100,000[a] | 100,000[a] | 500,000[b] | 1,100 |
| Ethylbenzene | U | 130 | U | U | 33 | 10 | 1,000 | 30,000 | 41,000 | 390,000 | 1,000 |
| Xylenes (total) | U | 700 DJ | U | U | 140 | 10 | 260 | 100,000[a] | 100,000[a] | 500,000[b] | 1,600 |
| Styrene | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Bromoform | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Isopropylbenzene | U | 150 | U | U | 4 J | 10 | ---- | ---- | ---- | ---- | ---- |
| 1,1,2,2-Tetrachloroethane | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| 1,3-Dichlorobenzene | U | U | U | U | U | 10 | 2,400 | 17,000 | 49,000 | 280,000 | 2,400 |
| 1,4-Dichlorobenzene | U | U | U | U | U | 10 | 1,800 | 9,800 | 13,000 | 130,000 | 1,800 |
| 1,2-Dichlorobenzene | U | U | U | U | U | 10 | 1,100 | 100,000[a] | 100,000[a] | 500,000[b] | 1,100 |
| 1,2-Dibromo-3-chloropropane | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| 1,2,4-Trichlorobenzene | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| **Total VOCs** | 40 | 8,808 | 31 | 0 | 488 | | | | | | |
| **Total VOC TICs** | 483 | 26,620 | 384 | 0 | 1,403 | | | | | | |

QUALIFIERS:
B: Compound found in the method blank as well as the sample
D: Result taken from a reanalysis at a secondary dilution
J: Compound found at a concentration below the CRDL, value estimated
U: Compound analyzed for but not detected

Indicates the value exceeds the NYSDEC Commercial SCO

NOTES:
All concentrations are in micrograms per kilogram (ug/kg) or parts per billion (ppb)
1: 6 NYCRR PART 375 - Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives (SCOs)
2: 6 NYCRR PART 375 - Table 375-6.8(b): Restricted Use SCOs
a: The SCOs for unrestricted use, residential, restricted-residential and ecological resources use were capped at a maximum value of 100,000 ug/kg
b: The SCOs for commercial use were capped at a maximum value of 500,000 ug/kg
c: For constituents where the calculated SCO was lower than the rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this site
f: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track SCO value for this use of the site
----: not established

**TABLE 1a (continued).**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SURFACE SOIL SAMPLE RESULTS - FEBRUARY 2008**
**VOLATILE ORGANIC COMPOUNDS**

| Sample Identification | **SSRI-6 (1.5-2.0)** | **SSRI-7 (1.5-2.0)** | **SSRI-8 (1.5-2.0)** | **SSRI-9 (1.5-2.0)** | **SSRI-10 (1.5-2.0)** | Contract Required Detection Limit | Unrestricted Use Soil Cleanup Objectives[1] | Restricted Use Soil Cleanup Objectives[2] | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 2/5/2008 | 2/5/2008 | 2/6/2008 | 2/6/2008 | 2/22/2008 | | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | |
| Percent Moisture | 10 | 15 | 26 | 22 | 25 | | | | | | |
| Units | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) |
| Dichlorodifluoromethane | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Chloromethane | U | U | 8 J | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Vinyl Chloride | U | U | U | U | U | 10 | 20 | 210 | 900 | 13,000 | 20 |
| Bromomethane | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Chloroethane | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Trichlorofluoromethane | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| 1,1-Dichloroethene | U | U | U | U | U | 10 | 330 | 100,000[a] | 100,000[a] | 500,000[b] | 330 |
| 1,1,2-Trichloro-1,2,2-triflu. | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Acetone | 13 | 17 | 12 J | U | 170 | 10 | 50 | 100,000[a] | 100,000[a] | 500,000[b] | 50 |
| Carbon Disulfide | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Methyl Acetate | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Methylene Chloride | U | U | U | U | 39 B | 10 | 50 | 51,000 | 100,000[a] | 500,000[b] | 50 |
| trans-1,2-Dichloroethene | U | U | 7 J | U | U | 10 | 190 | 100,000[a] | 100,000[a] | 500,000[b] | 190 |
| Methyl tert-Butyl Ether | U | U | U | U | U | 10 | 930 | 62,000 | 100,000[a] | 500,000[b] | 930 |
| 1,1-Dichloroethane | U | U | U | U | U | 10 | 270 | 19,000 | 26,000 | 240,000 | 270 |
| cis-1,2-Dichloroethene | U | U | 3 J | U | U | 10 | 250 | 59,000 | 100,000[a] | 500,000[b] | 250 |
| 2-Butanone | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Chloroform | U | U | U | U | U | 10 | 370 | 10,000 | 49,000 | 350,000 | 370 |
| 1,1,1-Trichloroethane | U | U | U | U | U | 10 | 680 | 100,000[a] | 100,000[a] | 500,000[b] | 680 |
| Cyclohexane | U | U | 3 J | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Carbon Tetrachloride | U | U | U | U | U | 10 | 760 | 1,400 | 2,400 | 22,000 | 760 |
| Benzene | U | U | U | U | U | 10 | 60 | 2,900 | 4,800 | 44,000 | 60 |
| 1,2-Dichloroethane | U | U | U | U | U | 10 | 20[c] | 2,300 | 3,100 | 30,000 | 20[f] |
| Trichloroethene | U | U | 17 | U | U | 10 | 470 | 10,000 | 21,000 | 200,000 | 470 |
| Methylcyclohexane | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| 1,2-Dichloropropane | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Bromodichloromethane | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| cis-1,3-Dichloropropene | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| 4-Methyl-2-Pentanone | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Toluene | U | 6 J | 7 J | 4 J | 51 | 10 | 700 | 100,000[a] | 100,000[a] | 500,000[b] | 700 |
| Trans-1,3-Dichloropropene | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| 1,1,2-Trichloroethane | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Tetrachloroethene | U | U | 190 | U | U | 10 | 1,300 | 5,500 | 19,000 | 150,000 | 1,300 |
| 2-Hexanone | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Dibromochloromethane | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| 1,2-Dibromoethane | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |

**TABLE 1a. (continued)**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SURFACE SOIL SAMPLE RESULTS - FEBRUARY 2008**
**VOLATILE ORGANIC COMPOUNDS**

| Sample Identification | **SSRI-6 (1.5-2.0)** | **SSRI-7 (1.5-2.0)** | **SSRI-8 (1.5-2.0)** | **SSRI-9 (1.5-2.0)** | **SSRI-10 (1.5-2.0)** | Contract Required Detection Limit | Unrestricted Use Soil Cleanup Objectives | *Restricted Use Soil Cleanup Objectives | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 02/05/08 | 02/05/08 | 02/06/08 | 02/06/08 | 02/22/08 | | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | |
| Percent Moisture | 10 | 15 | 26 | 22 | 25 | | | | | | |
| Units | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) |
| Chlorobenzene | U | U | U | U | U | 10 | 1,100 | 100,000[a] | 100,000[a] | 500,000[b] | 1,100 |
| Ethylbenzene | U | U | U | U | U | 10 | 1,000 | 30,000 | 41,000 | 390,000 | 1,000 |
| Xylenes (total) | U | U | U | U | U | 10 | 260 | 100,000[a] | 100,000[a] | 500,000[b] | 1,600 |
| Styrene | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Bromoform | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Isopropylbenzene | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| 1,1,2,2-Tetrachloroethane | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| 1,3-Dichlorobenzene | U | U | U | U | U | 10 | 2,400 | 17,000 | 49,000 | 280,000 | 2,400 |
| 1,4-Dichlorobenzene | U | U | U | U | U | 10 | 1,800 | 9,800 | 13,000 | 130,000 | 1,800 |
| 1,2-Dichlorobenzene | U | U | U | U | U | 10 | 1,100 | 100,000[a] | 100,000[a] | 500,000[b] | 1,100 |
| 1,2-Dibromo-3-chloropropane | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| 1,2,4-Trichlorobenzene | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| **Total VOCs** | 13 | 23 | 247 | 4 | 260 | | | | | | |
| **Total VOC TICs** | 0 | 0 | 0 | 0 | 372 | | | | | | |

QUALIFIERS:
B: Compound found in the method blank as well as the sample
D: Result taken from a reanalysis at a secondary dilution
J: Compound found at a concentration below the CRDL, value estimated
U: Compound analyzed for but not detected

Indicates the value exceeds the NYSDEC Commercial SCO

NOTES:
All concentrations are in micrograms per kilogram (ug/kg) or parts per billion (ppb)
1: 6 NYCRR PART 375 - Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives (SCOs)
2: 6 NYCRR PART 375 - Table 375-6.8(b): Restricted Use SCOs
a: The SCOs for unrestricted use, residential, restricted-residential and ecological resources use were capped at a maximum value of 100,000 ug/kg
b: The SCOs for commercial use were capped at a maximum value of 500,000 ug/kg
c: For constituents where the calculated SCO was lower than the rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this site
f: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 1 SCO value for this use of the site
----: not established

**TABLE 1a (continued).**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SURFACE SOIL SAMPLE RESULTS - FEBRUARY 2008**
**VOLATILE ORGANIC COMPOUNDS**

| Sample Identification | SSRI-11 (1.5-2.0) | SSRI-12 (1.5-2.0) | SSRI-13 (1.5-2.0) | SSRI-14 (1.5-2.0) | SSRI-15 (1.5-2.0) | Contract Required Detection Limit | Unrestricted Use Soil Cleanup Objectives[1] | Restricted Use Soil Cleanup Objectives[2] | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 2/22/2008 | 2/6/2008 | 2/6/2008 | 2/6/2008 | 2/6/2008 | | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | |
| Percent Moisture | 15 | 27 | 8 | 20 | 18 | | | | | | |
| Units | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) |
| Dichlorodifluoromethane | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Chloromethane | U | U | 8 J | U | 3 J | 10 | ---- | ---- | ---- | ---- | ---- |
| Vinyl Chloride | U | U | U | U | U | 10 | 20 | 210 | 900 | 13,000 | 20 |
| Bromomethane | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Chloroethane | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Trichlorofluoromethane | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| 1,1-Dichloroethene | U | U | U | U | U | 10 | 330 | 100,000[a] | 100,000[a] | 500,000[b] | 330 |
| 1,1,2-Trichloro-1,2,2-triflu. | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Acetone | 97 | 11 J | 15 | U | 42 | 10 | 50 | 100,000[a] | 100,000[a] | 500,000[b] | 50 |
| Carbon Disulfide | 3 J | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Methyl Acetate | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Methylene Chloride | U | U | U | U | U | 10 | 50 | 51,000 | 100,000[a] | 500,000[b] | 50 |
| trans-1,2-Dichloroethene | U | U | U | U | U | 10 | 190 | 100,000[a] | 100,000[a] | 500,000[b] | 190 |
| Methyl tert-Butyl Ether | U | U | U | U | U | 10 | 930 | 62,000 | 100,000[a] | 500,000[b] | 930 |
| 1,1-Dichloroethane | U | U | U | U | U | 10 | 270 | 19,000 | 26,000 | 240,000 | 270 |
| cis-1,2-Dichloroethene | U | U | U | U | U | 10 | 250 | 59,000 | 100,000[a] | 500,000[b] | 250 |
| 2-Butanone | 14 | U | U | U | 8 J | 10 | ---- | ---- | ---- | ---- | ---- |
| Chloroform | U | U | U | U | U | 10 | 370 | 10,000 | 49,000 | 350,000 | 370 |
| 1,1,1-Trichloroethane | U | U | U | U | U | 10 | 680 | 100,000[a] | 100,000[a] | 500,000[b] | 680 |
| Cyclohexane | 6 J | U | U | U | 13 | 10 | ---- | ---- | ---- | ---- | ---- |
| Carbon Tetrachloride | U | U | U | U | U | 10 | 760 | 1,400 | 2,400 | 22,000 | 760 |
| Benzene | U | U | U | U | 51 | 10 | 60 | 2,900 | 4,800 | 44,000 | 60 |
| 1,2-Dichloroethane | U | U | U | U | U | 10 | 20[c] | 2,300 | 3,100 | 30,000 | 20[f] |
| Trichloroethene | U | 5 J | U | U | U | 10 | 470 | 10,000 | 21,000 | 200,000 | 470 |
| Methylcyclohexane | 4 J | U | 15 | U | 16 | 10 | ---- | ---- | ---- | ---- | ---- |
| 1,2-Dichloropropane | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Bromodichloromethane | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| cis-1,3-Dichloropropene | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| 4-Methyl-2-Pentanone | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Toluene | 14 | U | U | U | 1600 D | 10 | 700 | 100,000[a] | 100,000[a] | 500,000[b] | 700 |
| Trans-1,3-Dichloropropene | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| 1,1,2-Trichloroethane | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Tetrachloroethene | U | U | U | U | U | 10 | 1,300 | 5,500 | 19,000 | 150,000 | 1,300 |
| 2-Hexanone | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Dibromochloromethane | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| 1,2-Dibromoethane | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |

**TABLE 1a. (continued)**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SURFACE SOIL SAMPLE RESULTS - FEBRUARY 2008**
**VOLATILE ORGANIC COMPOUNDS**

| Sample Identification | **SSRI-11 (1.5-2.0)** | **SSRI-12 (1.5-2.0)** | **SSRI-13 (1.5-2.0)** | **SSRI-14 (1.5-2.0)** | **SSRI-15 (1.5-2.0)** | Contract Required Detection Limit | Unrestricted Use Soil Cleanup Objectives | *Restricted Use Soil Cleanup Objectives | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 02/22/08 | 02/06/08 | 02/06/08 | 02/06/08 | 02/06/08 | | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | |
| Percent Moisture | 15 | 27 | 8 | 20 | 18 | | | | | | |
| Units | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) |
| Chlorobenzene | U | U | U | U | U | 10 | 1,100 | 100,000[a] | 100,000[a] | 500,000[b] | 1,100 |
| Ethylbenzene | U | U | U | U | 1400 D | 10 | 1,000 | 30,000 | 41,000 | 390,000 | 1,000 |
| Xylenes (total) | U | U | 4 J | U | 5800 D | 10 | 260 | 100,000[a] | 100,000[a] | 500,000[b] | 1,600 |
| Styrene | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Bromoform | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Isopropylbenzene | U | U | U | U | 31 | 10 | ---- | ---- | ---- | ---- | ---- |
| 1,1,2,2-Tetrachloroethane | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| 1,3-Dichlorobenzene | U | U | U | U | U | 10 | 2,400 | 17,000 | 49,000 | 280,000 | 2,400 |
| 1,4-Dichlorobenzene | U | U | U | U | U | 10 | 1,800 | 9,800 | 13,000 | 130,000 | 1,800 |
| 1,2-Dichlorobenzene | U | U | U | U | U | 10 | 1,100 | 100,000[a] | 100,000[a] | 500,000[b] | 1,100 |
| 1,2-Dibromo-3-chloropropane | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| 1,2,4-Trichlorobenzene | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| **Total VOCs** | 138 | 16 | 42 | 0 | 8,964 | | | | | | |
| **Total VOC TICs** | 79 | 0 | 1,174 | 18 | 8,389 | | | | | | |

QUALIFIERS:
B: Compound found in the method blank as well as the sample
D: Result taken from a reanalysis at a secondary dilution
J: Compound found at a concentration below the CRDL, value estimated
U: Compound analyzed for but not detected

Indicates the value exceeds the NYSDEC Commercial SCC

NOTES:
All concentrations are in micrograms per kilogram (ug/kg) or parts per billion (ppb)
1: 6 NYCRR PART 375 - Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives (SCOs)
2: 6 NYCRR PART 375 - Table 375-6.8(b): Restricted Use SCOs
a: The SCOs for unrestricted use, residential, restricted-residential and ecological resources use were capped at a maximum value of 100,000 ug/kg
b: The SCOs for commercial use were capped at a maximum value of 500,000 ug/kg
c: For constituents where the calculated SCO was lower than the rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this site
f: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site
----: not established

**TABLE 1a (continued).**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SURFACE SOIL SAMPLE RESULTS - FEBRUARY 2008**
**VOLATILE ORGANIC COMPOUNDS**

| Sample Identification | **SSRI-16 (1.5-2.0)** | **SSRI-17 (1.5-2.0)** | **SSRI-18 (1.5-2.0)** | **SSRI-19 (1.5-2.0)** | **SSRI-20 (1.5-2.0)** | Contract Required Detection Limit | Unrestricted Use Soil Cleanup Objectives[1] | Restricted Use Soil Cleanup Objectives[2] | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 2/22/2008 | 2/22/2008 | 2/22/2008 | 2/22/2008 | 2/22/2008 | | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 10.0 | 1.0 | 5.0 | 1.0 | 1.0 | | | | | | |
| Percent Moisture | 13 | 17 | 14 | 17 | 26 | | | | | | |
| Units | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) |
| Dichlorodifluoromethane | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Chloromethane | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Vinyl Chloride | U | U | U | U | U | 10 | 20 | 210 | 900 | 13,000 | 20 |
| Bromomethane | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Chloroethane | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Trichlorofluoromethane | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| 1,1-Dichloroethene | U | U | U | U | U | 10 | 330 | 100,000[a] | 100,000[a] | 500,000[b] | 330 |
| 1,1,2-Trichloro-1,2,2-triflu. | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Acetone | 150 D | 93 | 130 D | 190 | U | 10 | 50 | 100,000[a] | 100,000[a] | 500,000[b] | 50 |
| Carbon Disulfide | 18 | 4 J | 12 | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Methyl Acetate | 4 J | 17 | U | 6 J | 3 J | 10 | ---- | ---- | ---- | ---- | ---- |
| Methylene Chloride | 5 J | 4 JB | 7 JB | 5 JB | 5 JB | 10 | 50 | 51,000 | 100,000[a] | 500,000[b] | 50 |
| trans-1,2-Dichloroethene | U | U | U | U | U | 10 | 190 | 100,000[a] | 100,000[a] | 500,000[b] | 190 |
| Methyl tert-Butyl Ether | U | U | U | U | U | 10 | 930 | 62,000 | 100,000[a] | 500,000[b] | 930 |
| 1,1-Dichloroethane | U | U | U | U | U | 10 | 270 | 19,000 | 26,000 | 240,000 | 270 |
| cis-1,2-Dichloroethene | U | U | 3 J | U | U | 10 | 250 | 59,000 | 100,000[a] | 500,000[b] | 250 |
| 2-Butanone | 46 | 81 | 66 | 21 | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Chloroform | U | 2 J | U | U | U | 10 | 370 | 10,000 | 49,000 | 350,000 | 370 |
| 1,1,1-Trichloroethane | U | U | U | U | U | 10 | 680 | 100,000[a] | 100,000[a] | 500,000[b] | 680 |
| Cyclohexane | 49 | 23 | 42 | U | 6 J | 10 | ---- | ---- | ---- | ---- | ---- |
| Carbon Tetrachloride | U | U | U | U | U | 10 | 760 | 1,400 | 2,400 | 22,000 | 760 |
| Benzene | 3 J | 9 J | 170 | U | U | 10 | 60 | 2,900 | 4,800 | 44,000 | 60 |
| 1,2-Dichloroethane | U | U | U | U | U | 10 | 20[c] | 2,300 | 3,100 | 30,000 | 20[f] |
| Trichloroethene | U | U | U | U | U | 10 | 470 | 10,000 | 21,000 | 200,000 | 470 |
| Methylcyclohexane | 57 | 12 | 20 | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| 1,2-Dichloropropane | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Bromodichloromethane | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| cis-1,3-Dichloropropene | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| 4-Methyl-2-Pentanone | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Toluene | 79 | 89 | 160 D | 11 J | 50 | 10 | 700 | 100,000[a] | 100,000[a] | 500,000[b] | 700 |
| Trans-1,3-Dichloropropene | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| 1,1,2-Trichloroethane | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Tetrachloroethene | 5 J | U | U | U | U | 10 | 1,300 | 5,500 | 19,000 | 150,000 | 1,300 |
| 2-Hexanone | 170 | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Dibromochloromethane | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| 1,2-Dibromoethane | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |

**TABLE 1a. (continued)**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SURFACE SOIL SAMPLE RESULTS - FEBRUARY 2008**
**VOLATILE ORGANIC COMPOUNDS**

| Sample Identification | **SSRI-16 (1.5-2.0)** | **SSRI-17 (1.5-2.0)** | **SSRI-18 (1.5-2.0)** | **SSRI-19 (1.5-2.0)** | **SSRI-20 (1.5-2.0)** | Contract Required Detection Limit | Unrestricted Use Soil Cleanup Objectives | *Restricted Use Soil Cleanup Objectives | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 02/22/08 | 02/22/08 | 02/22/08 | 02/22/08 | 02/22/08 | | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 10.0 | 1.0 | 5.0 | 1.0 | 1.0 | | | | | | |
| Percent Moisture | 13 | 17 | 14 | 17 | 26 | | | | | | |
| Units | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) |
| Chlorobenzene | U | U | U | U | U | 10 | 1,100 | 100,000[a] | 100,000[a] | 500,000[b] | 1,100 |
| Ethylbenzene | 15 | 23 | 160 D | U | U | 10 | 1,000 | 30,000 | 41,000 | 390,000 | 1,000 |
| Xylenes (total) | 160 | 190 | 1200 D | 7 J | U | 10 | 260 | 100,000[a] | 100,000[a] | 500,000[b] | 1,600 |
| Styrene | 5 J | U | 140 | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Bromoform | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Isopropylbenzene | 36 | 35 | 65 | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| 1,1,2,2-Tetrachloroethane | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| 1,3-Dichlorobenzene | U | U | U | U | U | 10 | 2,400 | 17,000 | 49,000 | 280,000 | 2,400 |
| 1,4-Dichlorobenzene | U | U | U | U | U | 10 | 1,800 | 9,800 | 13,000 | 130,000 | 1,800 |
| 1,2-Dichlorobenzene | 3 J | U | 4 J | U | U | 10 | 1,100 | 100,000[a] | 100,000[a] | 500,000[b] | 1,100 |
| 1,2-Dibromo-3-chloropropane | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| 1,2,4-Trichlorobenzene | U | U | 3 J | 3 J | U | 10 | ---- | ---- | ---- | ---- | ---- |
| **Total VOCs** | 805 | 582 | 2,182 | 243 | 64 | | | | | | |
| **Total VOC TICs** | 24,040 | 10,019 | 15,210 | 1,234 | 17 | | | | | | |

QUALIFIERS:
B: Compound found in the method blank as well as the sample
D: Result taken from a reanalysis at a secondary dilution
J: Compound found at a concentration below the CRDL, value estimated
U: Compound analyzed for but not detected

Indicates the value exceeds the NYSDEC Commercial SCO

NOTES:
All concentrations are in micrograms per kilogram (ug/kg) or parts per billion (ppb)
1: 6 NYCRR PART 375 - Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives (SCOs)
2: 6 NYCRR PART 375 - Table 375-6.8(b): Restricted Use SCOs
a: The SCOs for unrestricted use, residential, restricted-residential and ecological resources use were capped at a maximum value of 100,000 ug/kg
b: The SCOs for commercial use were capped at a maximum value of 500,000 ug/kg
c: For constituents where the calculated SCO was lower than the rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this site
f: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site
----: not established

**COMMERCIAL ONLY**

**TABLE 1b.**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SURFACE SOIL SAMPLE RESULTS - FEBRUARY 2008**
**SEMIVOLATILE ORGANIC COMPOUNDS**

| Sample Identification | SSRI-1 (0-0.1) | SSRI-2 (0-0.1) | SSRI-3 (0-0.1) | SSRI-4 (0-0.1) | SSRI-5 (0-0.1) | Contract Required Detection Limit | Unrestricted Use Soil Cleanup Objectives[1] | Restricted Use Soil Cleanup Objectives[2] | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 2/5/2008 | 2/5/2008 | 2/5/2008 | 2/5/2008 | 2/5/2008 | | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | 0-0.1 | 0-0.1 | 0-0.1 | 0-0.1 | 0-0.1 | | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 1.0 | 2.0 | 4.0 | 1.0 | 2.0 | | | | | | |
| Percent Moisture | 12 | 34 | 32 | 39 | 15 | | | | | | |
| Units | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) |
| Benzaldehyde | 59 JB | 390 JB | 330 JB | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Phenol | U | U | U | U | U | 550 | 330[b] | 100,000[a] | 100,000[a] | 500,000[b1] | 330[e] |
| bis(2-Chloroethyl)ether | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2-Chlorophenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2-Methylphenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,2-Oxybis (1-Chloropropane) | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Acetophenone | U | 120 J | 79 J | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 4-Methylphenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| N-Nitroso-di-n-propylamine | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Hexachloroethane | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Nitrobenzene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Isophorone | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2-Nitrophenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,4-Dimethylphenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| bis(2-Chloroethoxy)methane | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,4-Dichlorophenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Naphthalene | U | 110 J | 210 J | U | U | 550 | 12,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 12,000 |
| 4-Chloroaniline | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Hexachlorobutadiene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Caprolactam | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 4-Chloro-3-methylphenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2-Methylnaphthalene | U | 81 J | 84 J | U | 43 J | 550 | ---- | ---- | ---- | ---- | ---- |
| Hexachlorocyclopentadiene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,4,6-Trichlorophenol | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| 2,4,5-Trichlorophenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 1,1'-Biphenyl | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2-Chloronaphthalene | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| 2-Nitroaniline | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Dimethylphthalate | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,6-Dinitrotoluene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Acenaphthylene | 97 J | 600 | 210 J | 230 J | 81 J | 550 | 100,000[a] | 100,000[a] | 100,000[a] | 500,000[b1] | 107,000 |
| 3-Nitroaniline | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| Acenaphthene | 46 J | 95 J | 200 J | U | 120 J | 550 | 20,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 98,000 |
| 2,4-Dinitrophenol | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| 4-Nitrophenol | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| Dibenzofuran | U | 82 J | 150 J | U | 74 J | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,4-Dinitrotoluene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Diethylphthalate | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Fluorene | 54 J | 140 J | 260 J | U | 140 J | 550 | 30,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| 4-Chlorophenyl-phenylether | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 4-Nitroaniline | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| 4,6-Dinitro-2-methylphenol | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |

**TABLE 1b. (continued)**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SURFACE SOIL SAMPLE RESULTS - FEBRUARY 2008**
**SEMIVOLATILE ORGANIC COMPOUNDS**

**COMMERCIAL ONLY**

| Sample Identification | **SSRI-1 (0-0.1)** | **SSRI-2 (0-0.1)** | **SSRI-3 (0-0.1)** | **SSRI-4 (0-0.1)** | **SSRI-5 (0-0.1)** | Contract Required Detection Limit | Unrestricted Use Soil Cleanup Objectives | *Restricted Use Soil Cleanup Objectives | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 02/05/08 | 02/05/08 | 02/05/08 | 02/05/08 | 02/05/08 | | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | 0-0.1 | 0-0.1 | 0-0.1 | 0-0.1 | 0-0.1 | | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 1.0 | 2.0 | 4.0 | 1.0 | 2.0 | | | | | | |
| Percent Moisture | 12 | 34 | 32 | 39 | 15 | | | | | | |
| Units | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) |
| N-Nitrosodiphenylamine | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 4-Bromophenyl-phenylether | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Hexachlorobenzene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Atrazine | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Pentachlorophenol | U | U | U | U | U | 1,400 | 800[b] | 2,400 | 6,700 | 6,700 | 800[e] |
| Phenanthrene | 930 | 2100 | 2600 | 1400 J | 2200 | 550 | 100,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| Anthracene | 220 J | 1000 | 710 | 340 J | 370 J | 550 | 100,000[a] | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| Carbazole | 110 J | 310 J | 520 | 200 J | 360 J | 550 | ---- | ---- | ---- | ---- | ---- |
| Di-n-butylphthalate | 47 J | 1900 | 650 | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Fluoranthene | 2300 | 6600 D | 3700 | 3300 | 4600 D | 550 | 100,000[a] | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| Pyrene | 1300 | 3800 | 4200 D | 2200 | 2500 | 550 | 100,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| Butylbenzylphthalate | 66 J | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 3,3'-Dichlorobenzidine | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Benzo (a) anthracene | 900 | 3300 | 2700 | 1500 J | 1600 | 550 | 1,000[c] | 1,000[f] | 1,000[f] | 5,600 | 1,000[f] |
| Chrysene | 1100 | 3400 | 3700 | 1600 J | 2000 | 550 | 1,000[c] | 1,000[f] | 3,900 | 56,000 | 1,000[f] |
| bis(2-Ethylhexyl)phthalate | 1800 | 2400 | 1300 | 760 J | 140 J | 550 | ---- | ---- | ---- | ---- | ---- |
| Di-n-octylphthalate | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Benzo(b)fluoranthene | 1200 | 3100 | 2700 | 1900 | 2300 | 550 | 1,000[c] | 1,000[f] | 1,000[f] | 5,600 | 1,700 |
| Benzo(k)fluoranthene | 670 | 1600 | 2500 | 730 J | 930 | 550 | 800c | 1,000 | 3,900 | 56,000 | 1,700 |
| Benzo(a)pyrene | 930 | **3000** | **2500** | **1400 J** | **1700** | 550 | 1,000[c] | 1,000[f] | 1,000[f] | 1,000[f] | 22,000 |
| Indeno(1,2,3-cd)pyrene | 710 | 2400 | 2100 | 800 J | 1200 | 550 | 500[c] | 500[f] | 500[f] | 5,600 | 8,200 |
| Dibenzo(a,h)anthracene | 200 J | 760 | 730 | 260 J | 350 J | 550 | 330[b] | 330[e] | 330[e] | 56,000 | 1,000,000[c1] |
| Benzo(g,h,i)perylene | 830 | 1700 | 2400 | 670 J | 1100 | 550 | 100,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| **Total PAHs** | 11,487 | 33,786 | 31,504 | 16,330 | 21,234 | | | | | | |
| **Total Carcinogen PAHs** | 5,710 | 17,560 | 16,930 | 8,190 | 10,080 | | | | | | |
| **Total SVOCs** | 13,569 | 38,988 | 34,533 | 17,290 | 21,808 | | | | | | |
| **Total SVOC TICs** | 300 | 17,410 | 1,618 | 13,110 | 1,810 | | | | | | |

QUALIFIERS:
B: Compound found in the method blank as well as the sample
D: Result taken from a reanalysis at a secondary dilution
J: Compound found at a concentration below the CRDL, value estimated
U: Compound analyzed for but not detected

Indicates the value exceeds the NYSDEC Commercial SCO

NOTES:
All concentrations are in micrograms per kilogram (ug/kg) or parts per billion (ppb
1: 6 NYCRR PART 375 - Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives (SCOs)
2: 6 NYCRR PART 375 - Table 375-6.8(b): Restricted Use SCOs
a: The SCOs for unrestricted use, residential, restricted-residential and ecological resources use were capped at a maximum value of 100,000 ug/kg
b: For constituents where the calculated SCO was lower than the contract required quantitation limit (CRQL), the CRQL is used as the Track 1 SCO value
b1: The SCOs for commercial use were capped at a maximum value of 500,000 ug/kg
c: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 1 SCO value for this use of the site
c1: The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1,000,000
e: For constituents where the calculated SCO was lower than the CRQL, the CRQL is used as the SCO value
f: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site
----: not established

**TABLE 1b (continued).**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SURFACE SOIL SAMPLE RESULTS - FEBRUARY 2008**
**SEMIVOLATILE ORGANIC COMPOUNDS**

| Sample Identification | **SSRI-6 (0-0.1)** | **SSRI-7 (0-0.1)** | **SSRI-8 (0-0.1)** | **SSRI-9 (0-0.1)** | **SSRI-10 (0-0.1)** | Contract Required Detection Limit | Unrestricted Use Soil Cleanup Objectives[1] | Restricted Use Soil Cleanup Objectives[2] | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 2/5/2008 | 2/5/2008 | 2/6/2008 | 2/6/2008 | 2/22/2008 | | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | 0-0.1 | 0-0.1 | 0-0.1 | 0-0.1 | 0-0.1 | | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 2.0 | 4.0 | 1.0 | 1.0 | 5.0 | | | | | | |
| Percent Moisture | 30 | 23 | 14 | 26 | 28 | | | | | | |
| Units | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) |
| Benzaldehyde | 120 JB | 85 JB | 100 JB | 190 JB | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Phenol | U | U | U | U | U | 550 | 330[b] | 100,000[a] | 100,000[a] | 500,000[b1] | 330[e] |
| bis(2-Chloroethyl)ether | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2-Chlorophenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2-Methylphenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,2-Oxybis (1-Chloropropane) | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Acetophenone | U | 46 J | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 4-Methylphenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| N-Nitroso-di-n-propylamine | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Hexachloroethane | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Nitrobenzene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Isophorone | U | 51 J | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2-Nitrophenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,4-Dimethylphenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| bis(2-Chloroethoxy)methane | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,4-Dichlorophenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Naphthalene | 90 J | 140 J | 39 J | 54 J | 59 J | 550 | 12,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 12,000 |
| 4-Chloroaniline | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Hexachlorobutadiene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Caprolactam | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 4-Chloro-3-methylphenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2-Methylnaphthalene | 81 J | 110 J | U | 69 J | 61 J | 550 | ---- | ---- | ---- | ---- | ---- |
| Hexachlorocyclopentadiene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,4,6-Trichlorophenol | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| 2,4,5-Trichlorophenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 1,1'-Biphenyl | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2-Chloronaphthalene | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| 2-Nitroaniline | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Dimethylphthalate | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,6-Dinitrotoluene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Acenaphthylene | 220 J | 340 J | 51 J | 92 J | 80 J | 550 | 100,000[a] | 100,000[a] | 100,000[a] | 500,000[b1] | 107,000 |
| 3-Nitroaniline | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| Acenaphthene | 220 J | 330 J | 53 J | 49 J | 250 J | 550 | 20,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 98,000 |
| 2,4-Dinitrophenol | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| 4-Nitrophenol | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| Dibenzofuran | 130 J | 160 J | U | U | 150 J | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,4-Dinitrotoluene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Diethylphthalate | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Fluorene | 230 J | 320 J | 55 J | 55 J | 260 J | 550 | 30,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| 4-Chlorophenyl-phenylether | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 4-Nitroaniline | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| 4,6-Dinitro-2-methylphenol | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |

**TABLE 1b. (continued)**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SURFACE SOIL SAMPLE RESULTS - FEBRUARY 2008**
**SEMIVOLATILE ORGANIC COMPOUNDS**

**COMMERCIAL ONLY**

| Sample Identification | **SSRI-6 (0-0.1)** | **SSRI-7 (0-0.1)** | **SSRI-8 (0-0.1)** | **SSRI-9 (0-0.1)** | **SSRI-10 (0-0.1)** | Contract Required Detection Limit | Unrestricted Use Soil Cleanup Objectives | *Restricted Use Soil Cleanup Objectives | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 02/05/08 | 02/05/08 | 02/06/08 | 02/06/08 | 02/22/08 | | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | 0-0.1 | 0-0.1 | 0-0.1 | 0-0.1 | 0-0.1 | | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 2.0 | 4.0 | 1.0 | 1.0 | 5.0 | | | | | | |
| Percent Moisture | 30 | 23 | 14 | 26 | 28 | | | | | | |
| Units | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) |
| N-Nitrosodiphenylamine | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 4-Bromophenyl-phenylether | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Hexachlorobenzene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Atrazine | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Pentachlorophenol | U | U | U | U | U | 1,400 | 800[b] | 2,400 | 6,700 | 6,700 | 800[e] |
| Phenanthrene | 2500 | 3300 | 640 | 770 | 2700 D | 550 | 100,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| Anthracene | 650 | 1100 | 170 J | 200 J | 810 | 550 | 100,000[a] | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| Carbazole | 310 J | 480 | 92 J | 100 J | 340 J | 550 | ---- | ---- | ---- | ---- | ---- |
| Di-n-butylphthalate | 190 J | 55 J | U | U | 140 J | 550 | ---- | ---- | ---- | ---- | ---- |
| Fluoranthene | 5300 D | 7600 D | 1300 | 1300 | 5600 D | 550 | 100,000[a] | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| Pyrene | 3100 | 5300 D | 1400 | 1100 | 3200 | 550 | 100,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| Butylbenzylphthalate | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 3,3'-Dichlorobenzidine | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Benzo (a) anthracene | 2100 | 3000 | 990 | 580 | 2000 | 550 | 1,000[c] | 1,000[f] | 1,000[f] | 5,600 | 1,000[f] |
| Chrysene | 2300 | 3300 | 1000 | 740 | 2200 | 550 | 1,000[c] | 1,000[f] | 3,900 | 56,000 | 1,000[f] |
| bis(2-Ethylhexyl)phthalate | 560 | 320 J | 270 J | 170 J | 220 J | 550 | ---- | ---- | ---- | ---- | ---- |
| Di-n-octylphthalate | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Benzo(b)fluoranthene | 2900 | 4700 D | 1500 | 810 | 2900 | 550 | 1,000[c] | 1,000[f] | 1,000[f] | 5,600 | 1,700 |
| Benzo(k)fluoranthene | 1400 | 1500 | 550 | 380 J | 1100 | 550 | 800c | 1,000 | 3,900 | 56,000 | 1,700 |
| Benzo(a)pyrene | **2200** | **3000** | 1000 | 570 | **1900** | 550 | 1,000[c] | 1,000[f] | 1,000[f] | 1,000[f] | 22,000 |
| Indeno(1,2,3-cd)pyrene | 2000 | 2200 | 650 | 360 J | 770 | 550 | 500[c] | 500[f] | 500[f] | 5,600 | 8,200 |
| Dibenzo(a,h)anthracene | 590 | 690 | 180 J | 98 J | 230 J | 550 | 330[b] | 330[e] | 330[e] | 56,000 | 1,000,000[c1] |
| Benzo(g,h,i)perylene | 2200 | 2400 | 700 | 320 J | 460 | 550 | 100,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| **Total PAHs** | 28,081 | 39,330 | 10,278 | 7,547 | 24,580 | | | | | | |
| **Total Carcinogen PAHs** | 13,490 | 18,390 | 5,870 | 3,538 | 11,100 | | | | | | |
| **Total SVOCs** | 29,391 | 40,527 | 9,390 | 8,007 | 25,430 | | | | | | |
| **Total SVOC TICs** | 98 | 7,218 | 110 | 1,130 | 300 | | | | | | |

QUALIFIERS:
B: Compound found in the method blank as well as the sample
D: Result taken from a reanalysis at a secondary dilution
J: Compound found at a concentration below the CRDL, value estimated
U: Compound analyzed for but not detected

Indicates the value exceeds the NYSDEC Commercial SCO

NOTES:
All concentrations are in micrograms per kilogram (ug/kg) or parts per billion (ppb
1: 6 NYCRR PART 375 - Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives (SCOs)
2: 6 NYCRR PART 375 - Table 375-6.8(b): Restricted Use SCOs
a: The SCOs for unrestricted use, residential, restricted-residential and ecological resources use were capped at a maximum value of 100,000 ug/kg
b: For constituents where the calculated SCO was lower than the contract required quantitation limit (CRQL), the CRQL is used as the Track 1 SCO value
b1: The SCOs for commercial use were capped at a maximum value of 500,000 ug/kg
c: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 1 SCO value for this use of the site
c1: The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1,000,000
e: For constituents where the calculated SCO was lower than the CRQL, the CRQL is used as the SCO value
f: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site
----: not established

**TABLE 1b (continued).**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SURFACE SOIL SAMPLE RESULTS - FEBRUARY 2008**
**SEMIVOLATILE ORGANIC COMPOUNDS**

| Sample Identification | **SSRI-11 (0-0.1)** | **SSRI-12 (0-0.1)** | **SSRI-13 (0-0.1)** | **SSRI-14 (0-0.1)** | **SSRI-15 (0-0.1)** | Contract Required Detection Limit | Unrestricted Use Soil Cleanup Objectives[1] | Restricted Use Soil Cleanup Objectives[2] | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 2/6/2008 | 2/6/2008 | 2/6/2008 | 2/6/2008 | 2/6/2008 | | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | 0-0.1 | 0-0.1 | 0-0.1 | 0-0.1 | 0-0.1 | | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 1.0 | 1.0 | 1.0 | 1.0 | 5.0 | | | | | | |
| Percent Moisture | 21 | 24 | 49 | 32 | 29 | | | | | | |
| Units | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) |
| Benzaldehyde | 260 JB | 260 JB | 110 JB | 190 JB | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Phenol | U | U | U | U | U | 550 | 330[b] | 100,000[a] | 100,000[a] | 500,000[b1] | 330[e] |
| bis(2-Chloroethyl)ether | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2-Chlorophenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2-Methylphenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,2-Oxybis (1-Chloropropane) | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Acetophenone | 94 J | 52 J | U | 58 J | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 4-Methylphenol | U | 44 J | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| N-Nitroso-di-n-propylamine | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Hexachloroethane | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Nitrobenzene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Isophorone | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2-Nitrophenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,4-Dimethylphenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| bis(2-Chloroethoxy)methane | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,4-Dichlorophenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Naphthalene | 380 J | 260 J | U | 120 J | 430 J | 550 | 12,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 12,000 |
| 4-Chloroaniline | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Hexachlorobutadiene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Caprolactam | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 4-Chloro-3-methylphenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2-Methylnaphthalene | 190 J | 230 J | U | 84 J | 240 J | 550 | ---- | ---- | ---- | ---- | ---- |
| Hexachlorocyclopentadiene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,4,6-Trichlorophenol | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| 2,4,5-Trichlorophenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 1,1'-Biphenyl | 45 J | 54 J | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2-Chloronaphthalene | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| 2-Nitroaniline | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Dimethylphthalate | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,6-Dinitrotoluene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Acenaphthylene | 350 J | 480 | U | 290 J | 890 J | 550 | 100,000[a] | 100,000[a] | 100,000[a] | 500,000[b1] | 107,000 |
| 3-Nitroaniline | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| Acenaphthene | 270 J | 240 J | U | 82 J | 400 J | 550 | 20,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 98,000 |
| 2,4-Dinitrophenol | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| 4-Nitrophenol | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| Dibenzofuran | 210 J | 200 J | U | 94 J | 310 J | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,4-Dinitrotoluene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Diethylphthalate | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Fluorene | 300 J | 260 J | U | 120 J | 470 J | 550 | 30,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| 4-Chlorophenyl-phenylether | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 4-Nitroaniline | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| 4,6-Dinitro-2-methylphenol | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |

**COMMERCIAL ONLY**

**TABLE 1b. (continued)**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SURFACE SOIL SAMPLE RESULTS - FEBRUARY 2008**
**SEMIVOLATILE ORGANIC COMPOUNDS**

| Sample Identification | **SSRI-11 (0-0.1)** | **SSRI-12 (0-0.1)** | **SSRI-13 (0-0.1)** | **SSRI-14 (0-0.1)** | **SSRI-15 (0-0.1)** | Contract Required Detection Limit | Unrestricted Use Soil Cleanup Objectives | *Restricted Use Soil Cleanup Objectives | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 02/06/08 | 02/06/08 | 02/06/08 | 02/06/08 | 02/06/08 | | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | 0-0.1 | 0-0.1 | 0-0.1 | 0-0.1 | 0-0.1 | | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 1.0 | 1.0 | 1.0 | 1.0 | 5.0 | | | | | | |
| Percent Moisture | 21 | 24 | 49 | 32 | 29 | | | | | | |
| Units | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) |
| N-Nitrosodiphenylamine | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 4-Bromophenyl-phenylether | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Hexachlorobenzene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Atrazine | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Pentachlorophenol | U | U | U | U | U | 1,400 | 800[b] | 2,400 | 6,700 | 6,700 | 800[e] |
| Phenanthrene | 2100 | 2000 | 290 J | 1500 | 5400 | 550 | 100,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| Anthracene | 950 | 940 | 94 J | 490 | 2000 J | 550 | 100,000[a] | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| Carbazole | 460 | 390 J | U | 230 J | 890 J | 550 | ---- | ---- | ---- | ---- | ---- |
| Di-n-butylphthalate | 110 J | 220 J | U | 2100 | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Fluoranthene | 2700 | 2700 | 810 | 2200 | 8800 | 550 | 100,000[a] | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| Pyrene | 2900 | 3200 | 610 J | 2100 | 8200 | 550 | 100,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| Butylbenzylphthalate | U | U | 250 J | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 3,3'-Dichlorobenzidine | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Benzo (a) anthracene | 2200 | 2200 | 350 J | 1500 | **6100** | 550 | 1,000[c] | 1,000[f] | 1,000[f] | 5,600 | 1,000[f] |
| Chrysene | 2400 | 2400 | 460 J | 1600 | 6900 | 550 | 1,000[c] | 1,000[f] | 3,900 | 56,000 | 1,000[f] |
| bis(2-Ethylhexyl)phthalate | 400 J | 350 J | 120 J | 180 J | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Di-n-octylphthalate | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Benzo(b)fluoranthene | 2400 | 2500 | 570 J | 1700 | **8300** | 550 | 1,000[c] | 1,000[f] | 1,000[f] | 5,600 | 1,700 |
| Benzo(k)fluoranthene | 1400 | 1400 | 220 J | 1000 | 3100 | 550 | 800c | 1,000 | 3,900 | 56,000 | 1,700 |
| Benzo(a)pyrene | **2000** | **2000** | 370 J | **1400** | **6100** | 550 | 1,000[c] | 1,000[f] | 1,000[f] | 1,000[f] | 22,000 |
| Indeno(1,2,3-cd)pyrene | 1300 | 1400 | 250 J | 890 | 4000 | 550 | 500[c] | 500[f] | 500[f] | 5,600 | 8,200 |
| Dibenzo(a,h)anthracene | 400 J | 400 J | U | 250 J | 1200 J | 550 | 330[b] | 330[e] | 330[e] | 56,000 | 1,000,000[c1] |
| Benzo(g,h,i)perylene | 1300 | 1500 | 240 J | 950 | 2800 | 550 | 100,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| **Total PAHs** | 23,540 | 24,110 | 4,264 | 16,276 | 65,330 | | | | | | |
| **Total Carcinogen PAHs** | 12,100 | 12,300 | 2,220 | 8,340 | 35,700 | | | | | | |
| **Total SVOCs** | 25,119 | 25,680 | 4,744 | 18,938 | 65,640 | | | | | | |
| **Total SVOC TICs** | 1,796 | 2,650 | 3,900 | 380 | 3,360 | | | | | | |

QUALIFIERS:
B: Compound found in the method blank as well as the sample
D: Result taken from a reanalysis at a secondary dilution
J: Compound found at a concentration below the CRDL, value estimated
U: Compound analyzed for but not detected

Indicates the value exceeds the NYSDEC Commercial SCO

NOTES:
All concentrations are in micrograms per kilogram (ug/kg) or parts per billion (ppb
1: 6 NYCRR PART 375 - Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives (SCOs)
2: 6 NYCRR PART 375 - Table 375-6.8(b): Restricted Use SCOs
a: The SCOs for unrestricted use, residential, restricted-residential and ecological resources use were capped at a maximum value of 100,000 ug/kg
b: For constituents where the calculated SCO was lower than the contract required quantitation limit (CRQL), the CRQL is used as the Track 1 SCO value
b1: The SCOs for commercial use were capped at a maximum value of 500,000 ug/kg
c: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 1 SCO value for this use of the site
c1: The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1,000,000
e: For constituents where the calculated SCO was lower than the CRQL, the CRQL is used as the SCO value
f: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site
----: not established

**TABLE 1b (continued).**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SURFACE SOIL SAMPLE RESULTS - FEBRUARY 2008**
**SEMIVOLATILE ORGANIC COMPOUNDS**

| Sample Identification | **SSRI-16 (0-0.1)** | **SSRI-17 (0-0.1)** | **SSRI-18 (0-0.1)** | **SSRI-19 (0-0.1)** | **SSRI-20 (0-0.1)** | Contract Required Detection Limit | Unrestricted Use Soil Cleanup Objectives[1] | Restricted Use Soil Cleanup Objectives[2] | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 2/22/2008 | 2/22/2008 | 2/22/2008 | 2/22/2008 | 2/22/2008 | | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | 0-0.1 | 0-0.1 | 0-0.1 | 0-0.1 | 0-0.1 | | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 4.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | |
| Percent Moisture | 41 | 19 | 39 | 34 | 26 | | | | | | |
| Units | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) |
| Benzaldehyde | U | 48 J | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Phenol | U | U | U | U | U | 550 | 330[b] | 100,000[a] | 100,000[a] | 500,000[b1] | 330[e] |
| bis(2-Chloroethyl)ether | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2-Chlorophenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2-Methylphenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,2-Oxybis (1-Chloropropane) | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Acetophenone | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 4-Methylphenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| N-Nitroso-di-n-propylamine | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Hexachloroethane | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Nitrobenzene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Isophorone | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2-Nitrophenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,4-Dimethylphenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| bis(2-Chloroethoxy)methane | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,4-Dichlorophenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Naphthalene | 160 J | U | 56 J | U | U | 550 | 12,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 12,000 |
| 4-Chloroaniline | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Hexachlorobutadiene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Caprolactam | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 4-Chloro-3-methylphenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2-Methylnaphthalene | 110 J | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Hexachlorocyclopentadiene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,4,6-Trichlorophenol | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| 2,4,5-Trichlorophenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 1,1'-Biphenyl | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2-Chloronaphthalene | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| 2-Nitroaniline | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Dimethylphthalate | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,6-Dinitrotoluene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Acenaphthylene | 290 J | 56 J | 130 J | U | 58 J | 550 | 100,000[a] | 100,000[a] | 100,000[a] | 500,000[b1] | 107,000 |
| 3-Nitroaniline | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| Acenaphthene | 330 J | U | 79 J | U | U | 550 | 20,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 98,000 |
| 2,4-Dinitrophenol | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| 4-Nitrophenol | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| Dibenzofuran | 200 J | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,4-Dinitrotoluene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Diethylphthalate | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Fluorene | 310 J | U | 73 J | U | U | 550 | 30,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| 4-Chlorophenyl-phenylether | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 4-Nitroaniline | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| 4,6-Dinitro-2-methylphenol | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |

**TABLE 1b. (continued)**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SURFACE SOIL SAMPLE RESULTS - FEBRUARY 2008**
**SEMIVOLATILE ORGANIC COMPOUNDS**

| Sample Identification | **SSRI-16 (0-0.1)** | **SSRI-17 (0-0.1)** | **SSRI-18 (0-0.1)** | **SSRI-19 (0-0.1)** | **SSRI-20 (0-0.1)** | Contract Required Detection Limit | Unrestricted Use Soil Cleanup Objectives | *Restricted Use Soil Cleanup Objectives | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 2/22/2008 | 02/22/08 | 02/22/08 | 02/22/08 | 02/22/08 | | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | 0-0.1 | 0-0.1 | 0-0.1 | 0-0.1 | 0-0.1 | | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 4.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | |
| Percent Moisture | 41 | 19 | 39 | 34 | 26 | | | | | | |
| Units | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) |
| N-Nitrosodiphenylamine | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 4-Bromophenyl-phenylether | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Hexachlorobenzene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Atrazine | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Pentachlorophenol | U | U | U | U | U | 1,400 | 800[b] | 2,400 | 6,700 | 6,700 | 800[e] |
| Phenanthrene | 4200 | 320 J | 1200 | 230 J | 220 J | 550 | 100,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| Anthracene | 1000 | 110 J | 300 J | 73 J | 84 J | 550 | 100,000[a] | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| Carbazole | 550 J | 47 J | 170 J | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Di-n-butylphthalate | 210 J | U | 180 J | 120 J | 840 | 550 | ---- | ---- | ---- | ---- | ---- |
| Fluoranthene | 11000 D | 700 | 3700 | 790 | 840 | 550 | 100,000[a] | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| Pyrene | 3900 | 500 | 1500 | 350 J | 430 J | 550 | 100,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| Butylbenzylphthalate | 100 J | U | 210 J | 1100 | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 3,3'-Dichlorobenzidine | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Benzo (a) anthracene | 3200 | 350 J | 1200 | 230 J | 350 J | 550 | 1,000[c] | 1,000[f] | 1,000[f] | 5,600 | 1,000[f] |
| Chrysene | 3000 | 390 J | 1300 | 260 J | 350 J | 550 | 1,000[c] | 1,000[f] | 3,900 | 56,000 | 1,000[f] |
| bis(2-Ethylhexyl)phthalate | 150 J | 65 J | 180 J | 100 J | 180 J | 550 | ---- | ---- | ---- | ---- | ---- |
| Di-n-octylphthalate | 130 J | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Benzo(b)fluoranthene | 4200 D | 520 | 2000 | 360 J | 440 J | 550 | 1,000[c] | 1,000[f] | 1,000[f] | 5,600 | 1,700 |
| Benzo(k)fluoranthene | 1800 | 190 J | 640 | 150 J | 190 J | 550 | 800c | 1,000 | 3,900 | 56,000 | 1,700 |
| Benzo(a)pyrene | **2500** | 360 J | **1200** | 270 J | 320 J | 550 | 1,000[c] | 1,000[f] | 1,000[f] | 1,000[f] | 22,000 |
| Indeno(1,2,3-cd)pyrene | 1300 | 290 J | 670 | 170 J | 200 J | 550 | 500[c] | 500[f] | 500[f] | 5,600 | 8,200 |
| Dibenzo(a,h)anthracene | U | 94 J | U | U | 64 J | 550 | 330[b] | 330[e] | 330[e] | 56,000 | 1,000,000[c1] |
| Benzo(g,h,i)perylene | 150 J | 300 J | 700 | 210 J | 150 J | 550 | 100,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| **Total PAHs** | 37,450 | 4,180 | 14,748 | 3,093 | 3,696 | | | | | | |
| **Total Carcinogen PAHs** | 16,000 | 2,194 | 7,010 | 1,440 | 1,914 | | | | | | |
| **Total SVOCs** | 38,790 | 4,340 | 15,488 | 4,413 | 4,316 | | | | | | |
| **Total SVOC TICs** | 520 | 0 | 0 | 0 | 5,500 | | | | | | |

QUALIFIERS:
B: Compound found in the method blank as well as the sample
D: Result taken from a reanalysis at a secondary dilution
J: Compound found at a concentration below the CRDL, value estimated
U: Compound analyzed for but not detected

Indicates the value exceeds the NYSDEC Commercial SCO

NOTES:
All concentrations are in micrograms per kilogram (ug/kg) or parts per billion (ppb
1: 6 NYCRR PART 375 - Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives (SCOs)
2: 6 NYCRR PART 375 - Table 375-6.8(b): Restricted Use SCOs
a: The SCOs for unrestricted use, residential, restricted-residential and ecological resources use were capped at a maximum value of 100,000 ug/kg
b: For constituents where the calculated SCO was lower than the contract required quantitation limit (CRQL), the CRQL is used as the Track 1 SCO value
b1: The SCOs for commercial use were capped at a maximum value of 500,000 ug/kg
c: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 1 SCO value for this use of the site
c1: The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1,000,000
e: For constituents where the calculated SCO was lower than the CRQL, the CRQL is used as the SCO value
f: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site
----: not established

**TABLE 1b (continued).**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SURFACE SOIL SAMPLE RESULTS - FEBRUARY 2008**
**SEMIVOLATILE ORGANIC COMPOUNDS**

| Sample Identification | **SSRI-1 (0.5-1.0)** | **SSRI-2 (0.5-1.0)** | **SSRI-3 (0.5-1.0)** | **SSRI-4 (0.5-1.0)** | **SSRI-5 (0.5-1.0)** | Contract Required Detection Limit | Unrestricted Use Soil Cleanup Objectives[1] | Restricted Use Soil Cleanup Objectives[2] | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 2/5/2008 | 2/5/2008 | 2/5/2008 | 2/5/2008 | 2/5/2008 | | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | 0.5-1.0 | 0.5-1.0 | 0.5-1.0 | 0.5-1.0 | 0.5-1.0 | | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 10.0 | 1.0 | 4.0 | 1.0 | 1.0 | | | | | | |
| Percent Moisture | 18 | 24 | 15 | 15 | 15 | | | | | | |
| Units | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) |
| Benzaldehyde | 140 JB | 210 JB | U | 47 JB | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Phenol | U | U | U | U | U | 550 | 330[b] | 100,000[a] | 100,000[a] | 500,000[b1] | 330[e] |
| bis(2-Chloroethyl)ether | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2-Chlorophenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2-Methylphenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,2-Oxybis (1-Chloropropane) | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Acetophenone | 53 J | 100 J | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 4-Methylphenol | 56 J | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| N-Nitroso-di-n-propylamine | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Hexachloroethane | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Nitrobenzene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Isophorone | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2-Nitrophenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,4-Dimethylphenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| bis(2-Chloroethoxy)methane | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,4-Dichlorophenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Naphthalene | 490 | 86 J | U | U | 42 J | 550 | 12,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 12,000 |
| 4-Chloroaniline | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Hexachlorobutadiene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Caprolactam | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 4-Chloro-3-methylphenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2-Methylnaphthalene | 560 | 62 J | U | U | 82 J | 550 | ---- | ---- | ---- | ---- | ---- |
| Hexachlorocyclopentadiene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,4,6-Trichlorophenol | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| 2,4,5-Trichlorophenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 1,1'-Biphenyl | 210 J | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2-Chloronaphthalene | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| 2-Nitroaniline | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Dimethylphthalate | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,6-Dinitrotoluene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Acenaphthylene | 1600 | 300 J | 160 J | U | U | 550 | 100,000[a] | 100,000[a] | 100,000[a] | 500,000[b1] | 107,000 |
| 3-Nitroaniline | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| Acenaphthene | 1900 | U | U | U | U | 550 | 20,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 98,000 |
| 2,4-Dinitrophenol | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| 4-Nitrophenol | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| Dibenzofuran | 2400 | 96 J | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,4-Dinitrotoluene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Diethylphthalate | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Fluorene | 4600 D | 170 J | U | U | U | 550 | 30,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| 4-Chlorophenyl-phenylether | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 4-Nitroaniline | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| 4,6-Dinitro-2-methylphenol | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |

**TABLE 1b. (continued)**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SURFACE SOIL SAMPLE RESULTS - FEBRUARY 2008**
**SEMIVOLATILE ORGANIC COMPOUNDS**

| Sample Identification | **SSRI-1 (0.5-1.0)** | **SSRI-2 (0.5-1.0)** | **SSRI-3 (0.5-1.0)** | **SSRI-4 (0.5-1.0)** | **SSRI-5 (0.5-1.0)** | Contract Required Detection Limit | Unrestricted Use Soil Cleanup Objectives | *Restricted Use Soil Cleanup Objectives | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 02/05/08 | 02/05/08 | 02/05/08 | 02/05/08 | 02/05/08 | | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | 0.5-1.0 | 0.5-1.0 | 0.5-1.0 | 0.5-1.0 | 0.5-1.0 | | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 10.0 | 1.0 | 4.0 | 1.0 | 1.0 | | | | | | |
| Percent Moisture | 18 | 24 | 15 | 15 | 15 | | | | | | |
| Units | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) |
| N-Nitrosodiphenylamine | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 4-Bromophenyl-phenylether | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Hexachlorobenzene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Atrazine | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Pentachlorophenol | U | U | U | U | U | 1,400 | 800[b] | 2,400 | 6,700 | 6,700 | 800[e] |
| Phenanthrene | 23000 D | 1300 | 420 J | U | 270 J | 550 | 100,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| Anthracene | 6400 D | 320 J | U | U | 88 J | 550 | 100,000[a] | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| Carbazole | 1900 | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Di-n-butylphthalate | U | 630 | U | U | 61 J | 550 | ---- | ---- | ---- | ---- | ---- |
| Fluoranthene | 26000 D | 1200 | 590 J | U | 1100 | 550 | 100,000[a] | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| Pyrene | 15000 D | 1900 | 490 J | U | 640 | 550 | 100,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| Butylbenzylphthalate | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 3,3'-Dichlorobenzidine | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Benzo (a) anthracene | **10000 D** | 1100 | 270 J | U | 440 | 550 | 1,000[c] | 1,000[f] | 1,000[f] | 5,600 | 1,000[f] |
| Chrysene | 8800 D | 1400 | 750 J | U | 480 | 550 | 1,000[c] | 1,000[f] | 3,900 | 56,000 | 1,000[f] |
| bis(2-Ethylhexyl)phthalate | U | 1200 | U | U | 84 J | 550 | ---- | ---- | ---- | ---- | ---- |
| Di-n-octylphthalate | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Benzo(b)fluoranthene | **11000 D** | 1100 | 610 J | U | 660 | 550 | 1,000[c] | 1,000[f] | 1,000[f] | 5,600 | 1,700 |
| Benzo(k)fluoranthene | 2000 | 720 | 320 J | U | 180 J | 550 | 800c | 1,000 | 3,900 | 56,000 | 1,700 |
| Benzo(a)pyrene | **8900 D** | **1100** | 450 J | U | 450 | 550 | 1,000[c] | 1,000[f] | 1,000[f] | 1,000[f] | 22,000 |
| Indeno(1,2,3-cd)pyrene | 4400 D | 1100 | 330 J | U | 310 J | 550 | 500[c] | 500[f] | 500[f] | 5,600 | 8,200 |
| Dibenzo(a,h)anthracene | 1600 | 320 J | U | U | 84 J | 550 | 330[b] | 330[e] | 330[e] | 56,000 | 1,000,000[c1] |
| Benzo(g,h,i)perylene | 4500 D | 1200 | 370 J | U | 300 J | 550 | 100,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| **Total PAHs** | 130,750 | 13,378 | 4,760 | 0 | 5,126 | | | | | | |
| **Total Carcinogen PAHs** | 46,700 | 6,840 | 2,730 | 0 | 2,604 | | | | | | |
| **Total SVOCs** | 135,509 | 15,614 | 4,760 | 47 | 5,271 | | | | | | |
| **Total SVOC TICs** | 16,110 | 6,329 | 25,690 | 170 | 3,353 | | | | | | |

QUALIFIERS:
B: Compound found in the method blank as well as the sample
D: Result taken from a reanalysis at a secondary dilution
J: Compound found at a concentration below the CRDL, value estimated
U: Compound analyzed for but not detected

Indicates the value exceeds the NYSDEC Commercial SCO

NOTES:
All concentrations are in micrograms per kilogram (ug/kg) or parts per billion (ppb
1: 6 NYCRR PART 375 - Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives (SCOs)
2: 6 NYCRR PART 375 - Table 375-6.8(b): Restricted Use SCOs
a: The SCOs for unrestricted use, residential, restricted-residential and ecological resources use were capped at a maximum value of 100,000 ug/kg
b: For constituents where the calculated SCO was lower than the contract required quantitation limit (CRQL), the CRQL is used as the Track 1 SCO value
b1: The SCOs for commercial use were capped at a maximum value of 500,000 ug/kg
c: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 1 SCO value for this use of the site
c1: The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1,000,000
e: For constituents where the calculated SCO was lower than the CRQL, the CRQL is used as the SCO value
f: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site
----: not established

**TABLE 1b (continued).**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SURFACE SOIL SAMPLE RESULTS - FEBRUARY 2008**
**SEMIVOLATILE ORGANIC COMPOUNDS**

| Sample Identification | **SSRI-6 (0.5-1.0)** | **SSRI-7 (0.5-1.0)** | **SSRI-8 (0.5-1.0)** | **SSRI-9 (0.5-1.0)** | **SSRI-10 (0.5-1.0)** | Contract Required Detection Limit | Unrestricted Use Soil Cleanup Objectives[1] | Restricted Use Soil Cleanup Objectives[2] | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 2/5/2008 | 2/5/2008 | 2/6/2008 | 2/6/2008 | 2/22/2008 | | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | 0.5-1.0 | 0.5-1.0 | 0.5-1.0 | 0.5-1.0 | 0.5-1.0 | | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 2.0 | 4.0 | 5.0 | 1.0 | 4.0 | | | | | | |
| Percent Moisture | 18 | 18 | 35 | 16 | 24 | | | | | | |
| Units | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) |
| Benzaldehyde | 98 JB | U | U | 79 JB | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Phenol | U | U | U | U | U | 550 | 330[b] | 100,000[a] | 100,000[a] | 500,000[b1] | 330[e] |
| bis(2-Chloroethyl)ether | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2-Chlorophenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2-Methylphenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,2-Oxybis (1-Chloropropane) | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Acetophenone | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 4-Methylphenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| N-Nitroso-di-n-propylamine | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Hexachloroethane | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Nitrobenzene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Isophorone | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2-Nitrophenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,4-Dimethylphenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| bis(2-Chloroethoxy)methane | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,4-Dichlorophenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Naphthalene | 280 J | 700 | 260 J | U | U | 550 | 12,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 12,000 |
| 4-Chloroaniline | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Hexachlorobutadiene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Caprolactam | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 4-Chloro-3-methylphenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2-Methylnaphthalene | 260 J | 3000 | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Hexachlorocyclopentadiene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,4,6-Trichlorophenol | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| 2,4,5-Trichlorophenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 1,1'-Biphenyl | 69 J | 370 J | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2-Chloronaphthalene | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| 2-Nitroaniline | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Dimethylphthalate | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,6-Dinitrotoluene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Acenaphthylene | 230 J | 300 J | 880 J | U | 230 J | 550 | 100,000[a] | 100,000[a] | 100,000[a] | 500,000[b1] | 107,000 |
| 3-Nitroaniline | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| Acenaphthene | 170 J | 900 | U | U | U | 550 | 20,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 98,000 |
| 2,4-Dinitrophenol | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| 4-Nitrophenol | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| Dibenzofuran | 190 J | 630 | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,4-Dinitrotoluene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Diethylphthalate | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Fluorene | 320 J | 1200 | 300 J | U | U | 550 | 30,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| 4-Chlorophenyl-phenylether | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 4-Nitroaniline | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| 4,6-Dinitro-2-methylphenol | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |

**TABLE 1b. (continued)**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SURFACE SOIL SAMPLE RESULTS - FEBRUARY 2008**
**SEMIVOLATILE ORGANIC COMPOUNDS**

| Sample Identification | **SSRI-6 (0.5-1.0)** | **SSRI-7 (0.5-1.0)** | **SSRI-8 (0.5-1.0)** | **SSRI-9 (0.5-1.0)** | **SSRI-10 (0.5-1.0)** | Contract Required Detection Limit | Unrestricted Use Soil Cleanup Objectives | *Restricted Use Soil Cleanup Objectives | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 02/05/08 | 02/05/08 | 02/06/08 | 02/06/08 | 02/22/08 | | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | 0.5-1.0 | 0.5-1.0 | 0.5-1.0 | 0.5-1.0 | 0.5-1.0 | | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 2.0 | 4.0 | 5.0 | 1.0 | 4.0 | | | | | | |
| Percent Moisture | 18 | 18 | 35 | 16 | 24 | | | | | | |
| Units | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) |
| N-Nitrosodiphenylamine | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 4-Bromophenyl-phenylether | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Hexachlorobenzene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Atrazine | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Pentachlorophenol | U | U | U | U | U | 1,400 | 800[b] | 2,400 | 6,700 | 6,700 | 800[e] |
| Phenanthrene | 2600 | 5600 D | 8400 | 290 J | 990 J | 550 | 100,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| Anthracene | 700 | 1400 | 780 J | 81 J | 300 J | 550 | 100,000[a] | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| Carbazole | 290 J | 250 J | 1300 J | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Di-n-butylphthalate | U | U | U | U | 1900 | 550 | ---- | ---- | ---- | ---- | ---- |
| Fluoranthene | 5400 D | 3100 | 13000 | 470 | 4200 | 550 | 100,000[a] | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| Pyrene | 3200 | 4200 D | 14000 | 390 J | 1400 J | 550 | 100,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| Butylbenzylphthalate | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 3,3'-Dichlorobenzidine | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Benzo (a) anthracene | 2300 | 2100 | 4900 | 220 J | 950 J | 550 | 1,000[c] | 1,000[f] | 1,000[f] | 5,600 | 1,000[f] |
| Chrysene | 2900 | 2100 | 8200 | 220 J | 1600 J | 550 | 1,000[c] | 1,000[f] | 3,900 | 56,000 | 1,000[f] |
| bis(2-Ethylhexyl)phthalate | U | 2200 | U | U | 1200 J | 550 | ---- | ---- | ---- | ---- | ---- |
| Di-n-octylphthalate | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Benzo(b)fluoranthene | 2800 | 2000 | **8300** | 230 J | 1400 J | 550 | 1,000[c] | 1,000[f] | 1,000[f] | 5,600 | 1,700 |
| Benzo(k)fluoranthene | 1000 | 1100 | 2800 | 89 J | 630 J | 550 | 800c | 1,000 | 3,900 | 56,000 | 1,700 |
| Benzo(a)pyrene | **2100** | **1700** | **5700** | 180 J | 950 J | 550 | 1,000[c] | 1,000[f] | 1,000[f] | 1,000[f] | 22,000 |
| Indeno(1,2,3-cd)pyrene | 1600 | 1400 | 5600 | 89 J | 340 J | 550 | 500[c] | 500[f] | 500[f] | 5,600 | 8,200 |
| Dibenzo(a,h)anthracene | 570 | 360 J | 1500 J | U | U | 550 | 330[b] | 330[e] | 330[e] | 56,000 | 1,000,000[c1] |
| Benzo(g,h,i)perylene | 1800 | 1300 | 5400 | 74 J | 260 J | 550 | 100,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| **Total PAHs** | 28,230 | 32,460 | 80,020 | 2,333 | 13,250 | | | | | | |
| **Total Carcinogen PAHs** | 13,270 | 10,760 | 37,000 | 1,028 | 5,870 | | | | | | |
| **Total SVOCs** | 28,779 | 35,910 | 81,320 | 2,412 | 16,350 | | | | | | |
| **Total SVOC TICs** | 7,956 | 298,400 | 29,810 | 99 | 117,490 | | | | | | |

QUALIFIERS:
B: Compound found in the method blank as well as the sample
D: Result taken from a reanalysis at a secondary dilution
J: Compound found at a concentration below the CRDL, value estimated
U: Compound analyzed for but not detected

Indicates the value exceeds the NYSDEC Commercial SCO

NOTES:
All concentrations are in micrograms per kilogram (ug/kg) or parts per billion (ppb
1: 6 NYCRR PART 375 - Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives (SCOs)
2: 6 NYCRR PART 375 - Table 375-6.8(b): Restricted Use SCOs
a: The SCOs for unrestricted use, residential, restricted-residential and ecological resources use were capped at a maximum value of 100,000 ug/kg
b: For constituents where the calculated SCO was lower than the contract required quantitation limit (CRQL), the CRQL is used as the Track 1 SCO value
b1: The SCOs for commercial use were capped at a maximum value of 500,000 ug/kg
c: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 1 SCO value for this use of the site
c1: The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1,000,000
e: For constituents where the calculated SCO was lower than the CRQL, the CRQL is used as the SCO value
f: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site
----: not established

**TABLE 1b (continued).**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SURFACE SOIL SAMPLE RESULTS - FEBRUARY 2008**
**SEMIVOLATILE ORGANIC COMPOUNDS**

| Sample Identification | SSRI-11 (0.5-1.0) | SSRI-12 (0.5-1.0) | SSRI-13 (0.5-1.0) | SSRI-14 (0.5-1.0) | SSRI-15 (0.5-1.0) | Contract Required Detection Limit | Unrestricted Use Soil Cleanup Objectives[1] | Restricted Use Soil Cleanup Objectives[2] | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 2/22/2008 | 2/6/2008 | 2/6/2008 | 2/6/2008 | 2/6/2008 | | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | 0.5-1.0 | 0.5-1.0 | 0.5-1.0 | 0.5-1.0 | 0.5-1.0 | | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 4.0 | 1.0 | 5.0 | 1.0 | 5.0 | | | | | | |
| Percent Moisture | 13 | 21 | 15 | 21 | 12 | | | | | | |
| Units | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) |
| Benzaldehyde | 350 J | 150 JB | U | 110 JB | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Phenol | U | U | U | U | U | 550 | 330[b] | 100,000[a] | 100,000[a] | 500,000[b1] | 330[e] |
| bis(2-Chloroethyl)ether | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2-Chlorophenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2-Methylphenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,2-Oxybis (1-Chloropropane) | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Acetophenone | 54 J | 55 J | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 4-Methylphenol | 67 J | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| N-Nitroso-di-n-propylamine | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Hexachloroethane | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Nitrobenzene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Isophorone | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2-Nitrophenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,4-Dimethylphenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| bis(2-Chloroethoxy)methane | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,4-Dichlorophenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Naphthalene | 2200 | 180 J | 530 J | U | 44000 | 550 | 12,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 12,000 |
| 4-Chloroaniline | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Hexachlorobutadiene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Caprolactam | 78 J | U | U | U | 1400 J | 550 | ---- | ---- | ---- | ---- | ---- |
| 4-Chloro-3-methylphenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2-Methylnaphthalene | 670 | 100 J | U | U | 9800 | 550 | ---- | ---- | ---- | ---- | ---- |
| Hexachlorocyclopentadiene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,4,6-Trichlorophenol | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| 2,4,5-Trichlorophenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 1,1'-Biphenyl | 180 J | U | U | U | 1900 J | 550 | ---- | ---- | ---- | ---- | ---- |
| 2-Chloronaphthalene | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| 2-Nitroaniline | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Dimethylphthalate | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,6-Dinitrotoluene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Acenaphthylene | 220 J | 370 J | 770 J | 63 J | 2200 J | 550 | 100,000[a] | 100,000[a] | 100,000[a] | 500,000[b1] | 107,000 |
| 3-Nitroaniline | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| Acenaphthene | 710 | 170 J | 1100 J | U | 4500 J | 550 | 20,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 98,000 |
| 2,4-Dinitrophenol | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| 4-Nitrophenol | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| Dibenzofuran | 550 | 140 J | 670 J | U | 6300 J | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,4-Dinitrotoluene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Diethylphthalate | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Fluorene | 740 | 210 J | 1200 J | U | 8200 | 550 | 30,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| 4-Chlorophenyl-phenylether | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 4-Nitroaniline | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| 4,6-Dinitro-2-methylphenol | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |

**TABLE 1b. (continued)**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SURFACE SOIL SAMPLE RESULTS - FEBRUARY 2008**
**SEMIVOLATILE ORGANIC COMPOUNDS**

| Sample Identification | SSRI-11 (0.5-1.0) | SSRI-12 (0.5-1.0) | SSRI-13 (0.5-1.0) | SSRI-14 (0.5-1.0) | SSRI-15 (0.5-1.0) | Contract Required Detection Limit | Unrestricted Use Soil Cleanup Objectives | *Restricted Use Soil Cleanup Objectives | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 02/22/08 | 02/06/08 | 02/06/08 | 02/06/08 | 02/06/08 | | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | 0.5-1.0 | 0.5-1.0 | 0.5-1.0 | 0.5-1.0 | 0.5-1.0 | | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 4.0 | 1.0 | 5.0 | 1.0 | 5.0 | | | | | | |
| Percent Moisture | 13 | 21 | 15 | 21 | 12 | | | | | | |
| Units | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) |
| N-Nitrosodiphenylamine | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 4-Bromophenyl-phenylether | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Hexachlorobenzene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Atrazine | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Pentachlorophenol | U | U | U | U | U | 1,400 | 800[b] | 2,400 | 6,700 | 6,700 | 800[e] |
| Phenanthrene | 3400 D | 1800 | 4500 | 430 | 20000 | 550 | 100,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| Anthracene | 510 | 820 | 1300 J | 130 J | 5000 J | 550 | 100,000[a] | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| Carbazole | 150 J | 280 J | 250 J | 48 J | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Di-n-butylphthalate | U | 210 J | U | 95 J | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Fluoranthene | 7000 D | 2500 | 4700 | 850 | 13000 | 550 | 100,000[a] | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| Pyrene | 2000 | 3200 | 9300 | 730 | 22000 | 550 | 100,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| Butylbenzylphthalate | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 3,3'-Dichlorobenzidine | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Benzo (a) anthracene | 1500 | 2300 | 2800 | 430 | **7100 J** | 550 | 1,000[c] | 1,000[f] | 1,000[f] | 5,600 | 1,000[f] |
| Chrysene | 1600 | 2600 | 3200 | 480 | 9600 | 550 | 1,000[c] | 1,000[f] | 3,900 | 56,000 | 1,000[f] |
| bis(2-Ethylhexyl)phthalate | 160 J | U | U | 73 J | 3700 J | 550 | ---- | ---- | ---- | ---- | ---- |
| Di-n-octylphthalate | 230 J | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Benzo(b)fluoranthene | 2400 | 3000 | 2200 | 580 | **7000 J** | 550 | 1,000[c] | 1,000[f] | 1,000[f] | 5,600 | 1,700 |
| Benzo(k)fluoranthene | 890 | 1400 | 990 J | 260 J | 2500 J | 550 | 800c | 1,000 | 3,900 | 56,000 | 1,700 |
| Benzo(a)pyrene | 780 | **2100** | **1600 J** | 420 | **5300 J** | 550 | 1,000[c] | 1,000[f] | 1,000[f] | 1,000[f] | 22,000 |
| Indeno(1,2,3-cd)pyrene | 210 J | 1700 | 890 J | 300 J | 2200 J | 550 | 500[c] | 500[f] | 500[f] | 5,600 | 8,200 |
| Dibenzo(a,h)anthracene | 84 J | 560 | 250 J | 92 J | U | 550 | 330[b] | 330[e] | 330[e] | 56,000 | 1,000,000[c1] |
| Benzo(g,h,i)perylene | U | 1500 | 850 J | 230 J | 1500 J | 550 | 100,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| **Total PAHs** | 24,914 | 24,510 | 36,180 | 4,995 | 163,900 | | | | | | |
| **Total Carcinogen PAHs** | 7,464 | 13,660 | 11,930 | 2,562 | 33,700 | | | | | | |
| **Total SVOCs** | 26,733 | 25,345 | 37,100 | 5,321 | 177,200 | | | | | | |
| **Total SVOC TICs** | 19,070 | 7,458 | 42,550 | 99 | 103,200 | | | | | | |

QUALIFIERS:
B: Compound found in the method blank as well as the sample
D: Result taken from a reanalysis at a secondary dilution
J: Compound found at a concentration below the CRDL, value estimated
U: Compound analyzed for but not detected

Indicates the value exceeds the NYSDEC Commercial SCO

NOTES:
All concentrations are in micrograms per kilogram (ug/kg) or parts per billion (ppb
1: 6 NYCRR PART 375 - Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives (SCOs)
2: 6 NYCRR PART 375 - Table 375-6.8(b): Restricted Use SCOs
a: The SCOs for unrestricted use, residential, restricted-residential and ecological resources use were capped at a maximum value of 100,000 ug/kg
b: For constituents where the calculated SCO was lower than the contract required quantitation limit (CRQL), the CRQL is used as the Track 1 SCO value
b1: The SCOs for commercial use were capped at a maximum value of 500,000 ug/kg
c: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 1 SCO value for this use of the site
c1: The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1,000,000
e: For constituents where the calculated SCO was lower than the CRQL, the CRQL is used as the SCO value
f: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site
----: not established

**TABLE 1b (continued).**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SURFACE SOIL SAMPLE RESULTS - FEBRUARY 2008**
**SEMIVOLATILE ORGANIC COMPOUNDS**

| Sample Identification | SSRI-16 (0.5-1.0) | SSRI-17 (0.5-1.0) | SSRI-18 (0.5-1.0) | SSRI-19 (0.5-1.0) | SSRI-20 (0.5-1.0) | Contract Required Detection Limit | Unrestricted Use Soil Cleanup Objectives[1] | Restricted Use Soil Cleanup Objectives[2] | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 2/22/2008 | 2/22/2008 | 2/22/2008 | 2/22/2008 | 2/22/2008 | | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | 0.5-1.0 | 0.5-1.0 | 0.5-1.0 | 0.5-1.0 | 0.5-1.0 | | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 4.0 | 1.0 | 1.0 | 1.0 | 2.0 | | | | | | |
| Percent Moisture | 22 | 21 | 22 | 28 | 16 | | | | | | |
| Units | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) |
| Benzaldehyde | U | 94 J | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Phenol | U | U | U | U | U | 550 | 330[b] | 100,000[a] | 100,000[a] | 500,000[b1] | 330[e] |
| bis(2-Chloroethyl)ether | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2-Chlorophenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2-Methylphenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,2-Oxybis (1-Chloropropane) | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Acetophenone | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 4-Methylphenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| N-Nitroso-di-n-propylamine | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Hexachloroethane | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Nitrobenzene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Isophorone | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2-Nitrophenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,4-Dimethylphenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| bis(2-Chloroethoxy)methane | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,4-Dichlorophenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Naphthalene | 270 J | 120 J | 88 J | 200 J | 160 J | 550 | 12,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 12,000 |
| 4-Chloroaniline | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Hexachlorobutadiene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Caprolactam | 700 J | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 4-Chloro-3-methylphenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2-Methylnaphthalene | 240 J | 54 J | U | 230 J | 71 J | 550 | ---- | ---- | ---- | ---- | ---- |
| Hexachlorocyclopentadiene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,4,6-Trichlorophenol | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| 2,4,5-Trichlorophenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 1,1'-Biphenyl | 110 J | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2-Chloronaphthalene | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| 2-Nitroaniline | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Dimethylphthalate | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,6-Dinitrotoluene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Acenaphthylene | 330 J | 120 J | 130 J | 160 J | 80 J | 550 | 100,000[a] | 100,000[a] | 100,000[a] | 500,000[b1] | 107,000 |
| 3-Nitroaniline | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| Acenaphthene | 170 J | 120 J | 67 J | U | 440 | 550 | 20,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 98,000 |
| 2,4-Dinitrophenol | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| 4-Nitrophenol | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| Dibenzofuran | 190 J | 80 J | 57 J | 83 J | 160 J | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,4-Dinitrotoluene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Diethylphthalate | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Fluorene | 920 | 120 J | 79 J | U | 290 J | 550 | 30,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| 4-Chlorophenyl-phenylether | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 4-Nitroaniline | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| 4,6-Dinitro-2-methylphenol | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |

**TABLE 1b. (continued)**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SURFACE SOIL SAMPLE RESULTS - FEBRUARY 2008**
**SEMIVOLATILE ORGANIC COMPOUNDS**

| Sample Identification | SSRI-16 (0.5-1.0) | SSRI-17 (0.5-1.0) | SSRI-18 (0.5-1.0) | SSRI-19 (0.5-1.0) | SSRI-20 (0.5-1.0) | Contract Required Detection Limit | Unrestricted Use Soil Cleanup Objectives | *Restricted Use Soil Cleanup Objectives | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 02/22/08 | 02/22/08 | 02/22/08 | 02/22/08 | 02/22/08 | | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | 0.5-1.0 | 0.5-1.0 | 0.5-1.0 | 0.5-1.0 | 0.5-1.0 | | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 4.0 | 1.0 | 1.0 | 1.0 | 2.0 | | | | | | |
| Percent Moisture | 22 | 21 | 22 | 28 | 16 | | | | | | |
| Units | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) |
| N-Nitrosodiphenylamine | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 4-Bromophenyl-phenylether | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Hexachlorobenzene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Atrazine | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Pentachlorophenol | U | U | U | U | U | 1,400 | 800[b] | 2,400 | 6,700 | 6,700 | 800[e] |
| Phenanthrene | 2300 | 1300 | 710 | 430 J | 2600 | 550 | 100,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| Anthracene | 880 | 380 J | 240 J | 260 J | 650 | 550 | 100,000[a] | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| Carbazole | 550 J | 130 J | 120 J | 89 J | 380 J | 550 | ---- | ---- | ---- | ---- | ---- |
| Di-n-butylphthalate | U | 110 J | 960 | 250 J | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Fluoranthene | 9000 D | 2700 | 2500 | 2100 | 4200 D | 550 | 100,000[a] | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| Pyrene | 3300 | 1100 | 930 | 470 | 2500 | 550 | 100,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| Butylbenzylphthalate | U | U | 140 J | 2600 | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 3,3'-Dichlorobenzidine | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Benzo (a) anthracene | 1400 | 880 | 650 | 390 J | 1500 | 550 | 1,000[c] | 1,000[f] | 1,000[f] | 5,600 | 1,000[f] |
| Chrysene | 1700 | 860 | 750 | 430 J | 1400 | 550 | 1,000[c] | 1,000[f] | 3,900 | 56,000 | 1,000[f] |
| bis(2-Ethylhexyl)phthalate | 720 J | 75 J | 3300 | 390 J | 130 J | 550 | ---- | ---- | ---- | ---- | ---- |
| Di-n-octylphthalate | 450 J | U | U | 450 J | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Benzo(b)fluoranthene | 1600 | 1300 | 850 | 760 | 1700 | 550 | 1,000[c] | 1,000[f] | 1,000[f] | 5,600 | 1,700 |
| Benzo(k)fluoranthene | 620 J | 440 | 420 | 280 J | 570 | 550 | 800c | 1,000 | 3,900 | 56,000 | 1,700 |
| Benzo(a)pyrene | **1100** | 920 | 640 | 470 | **1200** | 550 | 1,000[c] | 1,000[f] | 1,000[f] | 1,000[f] | 22,000 |
| Indeno(1,2,3-cd)pyrene | 420 J | 420 | 380 J | 160 J | 690 | 550 | 500[c] | 500[f] | 500[f] | 5,600 | 8,200 |
| Dibenzo(a,h)anthracene | U | 140 J | U | U | 200 J | 550 | 330[b] | 330[e] | 330[e] | 56,000 | 1,000,000[c1] |
| Benzo(g,h,i)perylene | 350 J | 420 | 400 J | 200 J | 450 | 550 | 100,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| **Total PAHs** | 24,600 | 11,394 | 8,834 | 6,540 | 18,701 | | | | | | |
| **Total Carcinogen PAHs** | 6,840 | 4,960 | 3,690 | 2,490 | 7,260 | | | | | | |
| **Total SVOCs** | 27,050 | 11,883 | 13,411 | 10,402 | 19,371 | | | | | | |
| **Total SVOC TICs** | 42,370 | 390 | 1,420 | 2,250 | 1,875 | | | | | | |

QUALIFIERS:
B: Compound found in the method blank as well as the sample
D: Result taken from a reanalysis at a secondary dilution
J: Compound found at a concentration below the CRDL, value estimated
U: Compound analyzed for but not detected

Indicates the value exceeds the NYSDEC Commercial SCO

NOTES:
All concentrations are in micrograms per kilogram (ug/kg) or parts per billion (ppb
1: 6 NYCRR PART 375 - Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives (SCOs)
2: 6 NYCRR PART 375 - Table 375-6.8(b): Restricted Use SCOs
a: The SCOs for unrestricted use, residential, restricted-residential and ecological resources use were capped at a maximum value of 100,000 ug/kg
b: For constituents where the calculated SCO was lower than the contract required quantitation limit (CRQL), the CRQL is used as the Track 1 SCO value
b1: The SCOs for commercial use were capped at a maximum value of 500,000 ug/kg
c: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 1 SCO value for this use of the site
c1: The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1,000,000
e: For constituents where the calculated SCO was lower than the CRQL, the CRQL is used as the SCO value
f: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site
----: not established

**TABLE 1b (continued).**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SURFACE SOIL SAMPLE RESULTS - FEBRUARY 2008**
**SEMIVOLATILE ORGANIC COMPOUNDS**

| Sample Identification | **SSRI-1 (1.5-2.0)** | **SSRI-2 (1.5-2.0)** | **SSRI-3 (1.5-2.0)** | **SSRI-4 (1.5-2.0)** | **SSRI-5 (1.5-2.0)** | Contract Required Detection Limit | Unrestricted Use Soil Cleanup Objectives[1] | Restricted Use Soil Cleanup Objectives[2] | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 2/5/2008 | 2/5/2008 | 2/5/2008 | 2/5/2008 | 2/5/2008 | | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 5.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | |
| Percent Moisture | 23 | 22 | 17 | 30 | 27 | | | | | | |
| Units | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) |
| Benzaldehyde | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Phenol | U | U | U | U | U | 550 | 330[b] | 100,000[a] | 100,000[a] | 500,000[b1] | 330[e] |
| bis(2-Chloroethyl)ether | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2-Chlorophenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2-Methylphenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,2-Oxybis (1-Chloropropane) | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Acetophenone | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 4-Methylphenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| N-Nitroso-di-n-propylamine | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Hexachloroethane | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Nitrobenzene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Isophorone | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2-Nitrophenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,4-Dimethylphenol | U | U | U | U | 67 J | 550 | ---- | ---- | ---- | ---- | ---- |
| bis(2-Chloroethoxy)methane | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,4-Dichlorophenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Naphthalene | U | 200 J | U | U | 280 J | 550 | 12,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 12,000 |
| 4-Chloroaniline | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Hexachlorobutadiene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Caprolactam | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 4-Chloro-3-methylphenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2-Methylnaphthalene | U | U | U | U | 190 J | 550 | ---- | ---- | ---- | ---- | ---- |
| Hexachlorocyclopentadiene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,4,6-Trichlorophenol | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| 2,4,5-Trichlorophenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 1,1'-Biphenyl | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2-Chloronaphthalene | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| 2-Nitroaniline | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Dimethylphthalate | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,6-Dinitrotoluene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Acenaphthylene | 660 J | 140 J | 63 J | U | 190 J | 550 | 100,000[a] | 100,000[a] | 100,000[a] | 500,000[b1] | 107,000 |
| 3-Nitroaniline | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| Acenaphthene | U | 120 J | 46 J | U | 83 J | 550 | 20,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 98,000 |
| 2,4-Dinitrophenol | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| 4-Nitrophenol | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| Dibenzofuran | 600 J | 120 J | 44 J | U | 88 J | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,4-Dinitrotoluene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Diethylphthalate | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Fluorene | 840 J | 300 J | 92 J | U | 88 J | 550 | 30,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| 4-Chlorophenyl-phenylether | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 4-Nitroaniline | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| 4,6-Dinitro-2-methylphenol | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |

**TABLE 1b. (continued)**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SURFACE SOIL SAMPLE RESULTS - FEBRUARY 2008**
**SEMIVOLATILE ORGANIC COMPOUNDS**

| Sample Identification | **SSRI-1 (1.5-2.0)** | **SSRI-2 (1.5-2.0)** | **SSRI-3 (1.5-2.0)** | **SSRI-4 (1.5-2.0)** | **SSRI-5 (1.5-2.0)** | Contract Required Detection Limit | Unrestricted Use Soil Cleanup Objectives | *Restricted Use Soil Cleanup Objectives | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 02/05/08 | 02/05/08 | 02/05/08 | 02/05/08 | 02/05/08 | | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 5.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | |
| Percent Moisture | 23 | 22 | 17 | 30 | 27 | | | | | | |
| Units | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) |
| N-Nitrosodiphenylamine | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 4-Bromophenyl-phenylether | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Hexachlorobenzene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Atrazine | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Pentachlorophenol | U | U | U | U | U | 1,400 | 800[b] | 2,400 | 6,700 | 6,700 | 800[e] |
| Phenanthrene | 3800 | 1900 | 720 | 150 J | 820 | 550 | 100,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| Anthracene | 1800 J | 590 | 290 J | U | 620 | 550 | 100,000[a] | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| Carbazole | 540 J | 98 J | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Di-n-butylphthalate | U | 160 J | U | U | 630 | 550 | ---- | ---- | ---- | ---- | ---- |
| Fluoranthene | 8500 | 2200 | 280 J | 320 J | 1000 | 550 | 100,000[a] | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| Pyrene | 7200 | 1700 | 700 | 310 J | 2000 | 550 | 100,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| Butylbenzylphthalate | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 3,3'-Dichlorobenzidine | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Benzo (a) anthracene | 4100 | 1000 | 280 J | 180 J | 1200 | 550 | 1,000[c] | 1,000[f] | 1,000[f] | 5,600 | 1,000[f] |
| Chrysene | 4300 | 1200 | 320 J | 180 J | 910 | 550 | 1,000[c] | 1,000[f] | 3,900 | 56,000 | 1,000[f] |
| bis(2-Ethylhexyl)phthalate | U | 200 J | U | U | 3000 | 550 | ---- | ---- | ---- | ---- | ---- |
| Di-n-octylphthalate | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Benzo(b)fluoranthene | 4800 | 1000 | 180 J | 240 J | 1400 | 550 | 1,000[c] | 1,000[f] | 1,000[f] | 5,600 | 1,700 |
| Benzo(k)fluoranthene | 2100 J | 380 J | 110 J | 72 J | 300 J | 550 | 800c | 1,000 | 3,900 | 56,000 | 1,700 |
| Benzo(a)pyrene | **4200** | 810 | 170 J | 170 J | 780 | 550 | 1,000[c] | 1,000[f] | 1,000[f] | 1,000[f] | 22,000 |
| Indeno(1,2,3-cd)pyrene | 2600 | 390 J | 90 J | 94 J | 870 | 550 | 500[c] | 500[f] | 500[f] | 5,600 | 8,200 |
| Dibenzo(a,h)anthracene | 740 J | 130 J | U | U | 270 J | 550 | 330[b] | 330[e] | 330[e] | 56,000 | 1,000,000[c1] |
| Benzo(g,h,i)perylene | 2500 | 430 | 67 J | 100 J | 940 | 550 | 100,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| **Total PAHs** | 48,140 | 12,490 | 3,408 | 1,816 | 11,941 | | | | | | |
| **Total Carcinogen PAHs** | 22,840 | 4,910 | 1,150 | 936 | 5,730 | | | | | | |
| **Total SVOCs** | 49,280 | 13,068 | 3,452 | 1,816 | 15,726 | | | | | | |
| **Total SVOC TICs** | 6,690 | 825,000 | 8,014 | 180 | 19,100 | | | | | | |

QUALIFIERS:
B: Compound found in the method blank as well as the sample
D: Result taken from a reanalysis at a secondary dilution
J: Compound found at a concentration below the CRDL, value estimated
U: Compound analyzed for but not detected

Indicates the value exceeds the NYSDEC Commercial SCO

NOTES:
All concentrations are in micrograms per kilogram (ug/kg) or parts per billion (ppb
1: 6 NYCRR PART 375 - Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives (SCOs)
2: 6 NYCRR PART 375 - Table 375-6.8(b): Restricted Use SCOs
a: The SCOs for unrestricted use, residential, restricted-residential and ecological resources use were capped at a maximum value of 100,000 ug/kg
b: For constituents where the calculated SCO was lower than the contract required quantitation limit (CRQL), the CRQL is used as the Track 1 SCO value
b1: The SCOs for commercial use were capped at a maximum value of 500,000 ug/kg
c: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 1 SCO value for this use of the site
c1: The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1,000,000
e: For constituents where the calculated SCO was lower than the CRQL, the CRQL is used as the SCO value
f: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site
----: not established

**TABLE 1b (continued).**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SURFACE SOIL SAMPLE RESULTS - FEBRUARY 2008**
**SEMIVOLATILE ORGANIC COMPOUNDS**

| Sample Identification | **SSRI-6 (1.5-2.0)** | **SSRI-7 (1.5-2.0)** | **SSRI-8 (1.5-2.0)** | **SSRI-9 (1.5-2.0)** | **SSRI-10 (1.5-2.0)** | Contract Required Detection Limit | Unrestricted Use Soil Cleanup Objectives[1] | Restricted Use Soil Cleanup Objectives[2] | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 2/5/2008 | 2/5/2008 | 2/6/2008 | 2/6/2008 | 2/22/2008 | | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 1.0 | 2.0 | 4.0 | 20.0 | 10.0 | | | | | | |
| Percent Moisture | 10 | 15 | 26 | 22 | 25 | | | | | | |
| Units | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) |
| Benzaldehyde | U | 190 JB | U | U | 260 J | 550 | ---- | ---- | ---- | ---- | ---- |
| Phenol | U | U | U | 350 J | U | 550 | 330[b] | 100,000[a] | 100,000[a] | 500,000[b1] | 330[e] |
| bis(2-Chloroethyl)ether | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2-Chlorophenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2-Methylphenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,2-Oxybis (1-Chloropropane) | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Acetophenone | U | U | U | U | 61 J | 550 | ---- | ---- | ---- | ---- | ---- |
| 4-Methylphenol | U | U | U | 540 J | U | 550 | ---- | ---- | ---- | ---- | ---- |
| N-Nitroso-di-n-propylamine | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Hexachloroethane | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Nitrobenzene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Isophorone | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2-Nitrophenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,4-Dimethylphenol | U | U | U | 260 J | U | 550 | ---- | ---- | ---- | ---- | ---- |
| bis(2-Chloroethoxy)methane | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,4-Dichlorophenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Naphthalene | U | 180 J | U | 3700 | U | 550 | 12,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 12,000 |
| 4-Chloroaniline | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Hexachlorobutadiene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Caprolactam | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 4-Chloro-3-methylphenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2-Methylnaphthalene | U | 260 J | U | 1600 J | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Hexachlorocyclopentadiene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,4,6-Trichlorophenol | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| 2,4,5-Trichlorophenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 1,1'-Biphenyl | U | 47 J | U | 540 J | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2-Chloronaphthalene | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| 2-Nitroaniline | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Dimethylphthalate | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,6-Dinitrotoluene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Acenaphthylene | U | 190 J | 480 J | 5200 | 200 J | 550 | 100,000[a] | 100,000[a] | 100,000[a] | 500,000[b1] | 107,000 |
| 3-Nitroaniline | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| Acenaphthene | U | 170 J | U | 4500 | U | 550 | 20,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 98,000 |
| 2,4-Dinitrophenol | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| 4-Nitrophenol | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| Dibenzofuran | U | 130 J | U | 4500 | 55 J | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,4-Dinitrotoluene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Diethylphthalate | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Fluorene | U | 230 J | U | 7400 | 91 J | 550 | 30,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| 4-Chlorophenyl-phenylether | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 4-Nitroaniline | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| 4,6-Dinitro-2-methylphenol | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |

**TABLE 1b. (continued)**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SURFACE SOIL SAMPLE RESULTS - FEBRUARY 2008**
**SEMIVOLATILE ORGANIC COMPOUNDS**

**COMMERCIAL ONLY**

| Sample Identification | **SSRI-6 (1.5-2.0)** | **SSRI-7 (1.5-2.0)** | **SSRI-8 (1.5-2.0)** | **SSRI-9 (1.5-2.0)** | **SSRI-10 (1.5-2.0)** | Contract Required Detection Limit | Unrestricted Use Soil Cleanup Objectives | *Restricted Use Soil Cleanup Objectives | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 02/05/08 | 02/05/08 | 02/06/08 | 02/06/08 | 02/22/08 | | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 1.0 | 2.0 | 4.0 | 20.0 | 10.0 | | | | | | |
| Percent Moisture | 10 | 15 | 26 | 22 | 25 | | | | | | |
| Units | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) |
| N-Nitrosodiphenylamine | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 4-Bromophenyl-phenylether | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Hexachlorobenzene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Atrazine | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Pentachlorophenol | U | U | U | U | U | 1,400 | 800[b] | 2,400 | 6,700 | 6,700 | 800[e] |
| Phenanthrene | 170 J | 2000 | 4300 | 49000 D | 820 | 550 | 100,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| Anthracene | 39 J | 540 | 450 J | 12000 | 400 J | 550 | 100,000[a] | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| Carbazole | U | 200 J | 650 J | 5000 | 180 J | 550 | ---- | ---- | ---- | ---- | ---- |
| Di-n-butylphthalate | U | U | U | U | 23000 D | 550 | ---- | ---- | ---- | ---- | ---- |
| Fluoranthene | 290 J | 3300 D | 6800 | 57000 D | 4200 DJ | 550 | 100,000[a] | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| Pyrene | 220 J | 2200 | 6400 | 50000 D | 1300 | 550 | 100,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| Butylbenzylphthalate | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 3,3'-Dichlorobenzidine | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Benzo (a) anthracene | 140 J | 1500 | 2600 | **39000 D** | 1000 | 550 | 1,000[c] | 1,000[f] | 1,000[f] | 5,600 | 1,000[f] |
| Chrysene | 170 J | 1600 | 4400 | 39000 D | 870 | 550 | 1,000[c] | 1,000[f] | 3,900 | 56,000 | 1,000[f] |
| bis(2-Ethylhexyl)phthalate | U | 210 J | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Di-n-octylphthalate | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Benzo(b)fluoranthene | 190 J | 1800 | 4300 | **36000 D** | 850 | 550 | 1,000[c] | 1,000[f] | 1,000[f] | 5,600 | 1,700 |
| Benzo(k)fluoranthene | 76 J | 770 | 1600 J | 7200 | 490 | 550 | 800c | 1,000 | 3,900 | 56,000 | 1,700 |
| Benzo(a)pyrene | 130 J | **1500** | **3000** | **31000 D** | 650 | 550 | 1,000[c] | 1,000[f] | 1,000[f] | 1,000[f] | 22,000 |
| Indeno(1,2,3-cd)pyrene | 86 J | 990 | 2100 | **10000** | 250 J | 550 | 500[c] | 500[f] | 500[f] | 5,600 | 8,200 |
| Dibenzo(a,h)anthracene | U | 310 J | 600 J | 3900 | 81 J | 550 | 330[b] | 330[e] | 330[e] | 56,000 | 1,000,000[c1] |
| Benzo(g,h,i)perylene | 100 J | 1100 | 1500 J | 7700 | 140 J | 550 | 100,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| **Total PAHs** | 1,611 | 18,640 | 38,530 | 364,200 | 11,342 | | | | | | |
| **Total Carcinogen PAHs** | 792 | 8,470 | 18,600 | 166,100 | 4,191 | | | | | | |
| **Total SVOCs** | 1,511 | 19,057 | 39,180 | 375,390 | 34,898 | | | | | | |
| **Total SVOC TICs** | 7,655 | 6,740 | 8,990 | 109,780 | 8,281 | | | | | | |

QUALIFIERS:
B: Compound found in the method blank as well as the sample
D: Result taken from a reanalysis at a secondary dilution
J: Compound found at a concentration below the CRDL, value estimated
U: Compound analyzed for but not detected

Indicates the value exceeds the NYSDEC Commercial SCO

NOTES:
All concentrations are in micrograms per kilogram (ug/kg) or parts per billion (ppb
1: 6 NYCRR PART 375 - Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives (SCOs)
2: 6 NYCRR PART 375 - Table 375-6.8(b): Restricted Use SCOs
a: The SCOs for unrestricted use, residential, restricted-residential and ecological resources use were capped at a maximum value of 100,000 ug/kg
b: For constituents where the calculated SCO was lower than the contract required quantitation limit (CRQL), the CRQL is used as the Track 1 SCO value
b1: The SCOs for commercial use were capped at a maximum value of 500,000 ug/kg
c: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 1 SCO value for this use of the site
c1: The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1,000,000
e: For constituents where the calculated SCO was lower than the CRQL, the CRQL is used as the SCO value
f: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site
----: not established

**TABLE 1b (continued).**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SURFACE SOIL SAMPLE RESULTS - FEBRUARY 2008**
**SEMIVOLATILE ORGANIC COMPOUNDS**

| Sample Identification | SSRI-11 (1.5-2.0) | SSRI-12 (1.5-2.0) | SSRI-13 (1.5-2.0) | SSRI-14 (1.5-2.0) | SSRI-15 (1.5-2.0) | Contract Required Detection Limit | Unrestricted Use Soil Cleanup Objectives[1] | Restricted Use Soil Cleanup Objectives[2] | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 2/22/2008 | 2/6/2008 | 2/6/2008 | 2/6/2008 | 2/6/2008 | | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 1.0 | 1.0 | 5.0 | 1.0 | 60.0 | | | | | | |
| Percent Moisture | 15 | 27 | 8 | 20 | 18 | | | | | | |
| Units | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) |
| Benzaldehyde | 190 J | 72 JB | U | 79 JB | 840 JB | 550 | ---- | ---- | ---- | ---- | ---- |
| Phenol | U | U | U | U | U | 550 | 330[b] | 100,000[a] | 100,000[a] | 500,000[b1] | 330[e] |
| bis(2-Chloroethyl)ether | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2-Chlorophenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2-Methylphenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,2-Oxybis (1-Chloropropane) | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Acetophenone | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 4-Methylphenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| N-Nitroso-di-n-propylamine | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Hexachloroethane | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Nitrobenzene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Isophorone | U | U | U | 190 J | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2-Nitrophenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,4-Dimethylphenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| bis(2-Chloroethoxy)methane | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,4-Dichlorophenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Naphthalene | 580 | U | 850 J | 85 J | 150000 D | 550 | 12,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 12,000 |
| 4-Chloroaniline | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Hexachlorobutadiene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Caprolactam | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 4-Chloro-3-methylphenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2-Methylnaphthalene | 310 J | U | 280 J | 55 J | 21000 | 550 | ---- | ---- | ---- | ---- | ---- |
| Hexachlorocyclopentadiene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,4,6-Trichlorophenol | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| 2,4,5-Trichlorophenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 1,1'-Biphenyl | 62 J | U | U | U | 4400 | 550 | ---- | ---- | ---- | ---- | ---- |
| 2-Chloronaphthalene | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| 2-Nitroaniline | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Dimethylphthalate | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,6-Dinitrotoluene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Acenaphthylene | 110 J | U | U | 120 J | 4000 J | 550 | 100,000[a] | 100,000[a] | 100,000[a] | 500,000[b1] | 107,000 |
| 3-Nitroaniline | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| Acenaphthene | 140 J | U | 1000 J | 43 J | 16000 | 550 | 20,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 98,000 |
| 2,4-Dinitrophenol | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| 4-Nitrophenol | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| Dibenzofuran | 85 J | U | 680 J | 62 J | 17000 | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,4-Dinitrotoluene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Diethylphthalate | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Fluorene | 150 J | U | 1300 J | 90 J | 21000 | 550 | 30,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| 4-Chlorophenyl-phenylether | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 4-Nitroaniline | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| 4,6-Dinitro-2-methylphenol | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |

**TABLE 1b. (continued)**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SURFACE SOIL SAMPLE RESULTS - FEBRUARY 2008**
**SEMIVOLATILE ORGANIC COMPOUNDS**

| Sample Identification | SSRI-11 (1.5-2.0) | SSRI-12 (1.5-2.0) | SSRI-13 (1.5-2.0) | SSRI-14 (1.5-2.0) | SSRI-15 (1.5-2.0) | Contract Required Detection Limit | Unrestricted Use Soil Cleanup Objectives | *Restricted Use Soil Cleanup Objectives | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 02/22/08 | 02/06/08 | 02/06/08 | 02/06/08 | 02/06/08 | | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 1.0 | 1.0 | 5.0 | 1.0 | 60.0 | | | | | | |
| Percent Moisture | 15 | 27 | 8 | 20 | 18 | | | | | | |
| Units | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) |
| N-Nitrosodiphenylamine | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 4-Bromophenyl-phenylether | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Hexachlorobenzene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Atrazine | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Pentachlorophenol | U | U | U | U | U | 1,400 | 800[b] | 2,400 | 6,700 | 6,700 | 800[e] |
| Phenanthrene | 1400 | 170 J | 4100 | 890 | 71000 D | 550 | 100,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| Anthracene | 310 J | 49 J | 850 J | 260 J | 17000 | 550 | 100,000[a] | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| Carbazole | 56 J | U | U | 84 J | 9200 | 550 | ---- | ---- | ---- | ---- | ---- |
| Di-n-butylphthalate | U | U | U | 59 J | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Fluoranthene | 1900 | 270 J | 3100 | 1500 | 17000 | 550 | 100,000[a] | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| Pyrene | 1700 | 210 J | 5700 | 1200 | 32000 | 550 | 100,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| Butylbenzylphthalate | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 3,3'-Dichlorobenzidine | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Benzo (a) anthracene | 900 | 130 J | 1900 | 700 | **13000** | 550 | 1,000[c] | 1,000[f] | 1,000[f] | 5,600 | 1,000[f] |
| Chrysene | 940 | 160 J | 2600 | 830 | 12000 | 550 | 1,000[c] | 1,000[f] | 3,900 | 56,000 | 1,000[f] |
| bis(2-Ethylhexyl)phthalate | U | U | U | 89 J | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Di-n-octylphthalate | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Benzo(b)fluoranthene | 1000 | 200 J | 2100 | 890 | **8600** | 550 | 1,000[c] | 1,000[f] | 1,000[f] | 5,600 | 1,700 |
| Benzo(k)fluoranthene | 300 J | 68 J | 580 J | 380 J | 3200 J | 550 | 800c | 1,000 | 3,900 | 56,000 | 1,700 |
| Benzo(a)pyrene | 620 | 130 J | **1300 J** | 620 | **7000** | 550 | 1,000[c] | 1,000[f] | 1,000[f] | 1,000[f] | 22,000 |
| Indeno(1,2,3-cd)pyrene | 360 J | 120 J | 830 J | 430 | 3800 J | 550 | 500[c] | 500[f] | 500[f] | 5,600 | 8,200 |
| Dibenzo(a,h)anthracene | 130 J | U | 240 J | 130 J | 1200 J | 550 | 330[b] | 330[e] | 330[e] | 56,000 | 1,000,000[c1] |
| Benzo(g,h,i)perylene | U | 94 J | 910 J | 340 J | 3000 J | 550 | 100,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| **Total PAHs** | 10,850 | 1,601 | 27,640 | 8,563 | 400,800 | | | | | | |
| **Total Carcinogen PAHs** | 4,250 | 808 | 9,550 | 3,980 | 48,800 | | | | | | |
| **Total SVOCs** | 11,243 | 1,673 | 28,320 | 9,126 | 432,240 | | | | | | |
| **Total SVOC TICs** | 5,189 | 0 | 40,050 | 2,560 | 216,300 | | | | | | |

QUALIFIERS:
B: Compound found in the method blank as well as the sample
D: Result taken from a reanalysis at a secondary dilution
J: Compound found at a concentration below the CRDL, value estimated
U: Compound analyzed for but not detected

Indicates the value exceeds the NYSDEC Commercial SCO

NOTES:
All concentrations are in micrograms per kilogram (ug/kg) or parts per billion (ppb
1: 6 NYCRR PART 375 - Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives (SCOs)
2: 6 NYCRR PART 375 - Table 375-6.8(b): Restricted Use SCOs
a: The SCOs for unrestricted use, residential, restricted-residential and ecological resources use were capped at a maximum value of 100,000 ug/kg
b: For constituents where the calculated SCO was lower than the contract required quantitation limit (CRQL), the CRQL is used as the Track 1 SCO value
b1: The SCOs for commercial use were capped at a maximum value of 500,000 ug/kg
c: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 1 SCO value for this use of the site
c1: The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1,000,000
e: For constituents where the calculated SCO was lower than the CRQL, the CRQL is used as the SCO value
f: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site
----: not established

**TABLE 1b (continued).**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SURFACE SOIL SAMPLE RESULTS - FEBRUARY 2008**
**SEMIVOLATILE ORGANIC COMPOUNDS**

| Sample Identification | SSRI-16 (1.5-2.0) | SSRI-17 (1.5-2.0) | SSRI-18 (1.5-2.0) | SSRI-19 (1.5-2.0) | SSRI-20 (1.5-2.0) | Contract Required Detection Limit | Unrestricted Use Soil Cleanup Objectives[1] | Restricted Use Soil Cleanup Objectives[2] | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 2/22/2008 | 2/22/2008 | 2/22/2008 | 2/22/2008 | 2/22/2008 | | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 8.0 | 10.0 | 30.0 | 4.0 | 8.0 | | | | | | |
| Percent Moisture | 13 | 17 | 14 | 17 | 26 | | | | | | |
| Units | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) |
| Benzaldehyde | U | 250 J | U | U | 92 J | 550 | ---- | ---- | ---- | ---- | ---- |
| Phenol | U | U | U | U | U | 550 | 330[b] | 100,000[a] | 100,000[a] | 500,000[b1] | 330[e] |
| bis(2-Chloroethyl)ether | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2-Chlorophenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2-Methylphenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,2-Oxybis (1-Chloropropane) | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Acetophenone | U | U | U | 110 J | 58 J | 550 | ---- | ---- | ---- | ---- | ---- |
| 4-Methylphenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| N-Nitroso-di-n-propylamine | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Hexachloroethane | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Nitrobenzene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Isophorone | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2-Nitrophenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,4-Dimethylphenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| bis(2-Chloroethoxy)methane | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,4-Dichlorophenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Naphthalene | 6800 | 4000 D | 70000 D | 260 J | 130 J | 550 | 12,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 12,000 |
| 4-Chloroaniline | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Hexachlorobutadiene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Caprolactam | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 4-Chloro-3-methylphenol | U | U | 240 J | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2-Methylnaphthalene | 3200 | 400 | 11000 | 91 J | 67 J | 550 | ---- | ---- | ---- | ---- | ---- |
| Hexachlorocyclopentadiene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,4,6-Trichlorophenol | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| 2,4,5-Trichlorophenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 1,1'-Biphenyl | U | 140 J | 1400 J | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2-Chloronaphthalene | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| 2-Nitroaniline | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Dimethylphthalate | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,6-Dinitrotoluene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Acenaphthylene | 1500 J | 620 | 1700 J | 160 J | 150 J | 550 | 100,000[a] | 100,000[a] | 100,000[a] | 500,000[b1] | 107,000 |
| 3-Nitroaniline | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| Acenaphthene | 2300 J | 2500 | 5700 | 290 J | 200 J | 550 | 20,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 98,000 |
| 2,4-Dinitrophenol | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| 4-Nitrophenol | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| Dibenzofuran | 2300 J | 2400 | 6100 | 170 J | 130 J | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,4-Dinitrotoluene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Diethylphthalate | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Fluorene | 6000 | 4300 D | 8800 | 300 J | 220 J | 550 | 30,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| 4-Chlorophenyl-phenylether | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 4-Nitroaniline | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| 4,6-Dinitro-2-methylphenol | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |

**TABLE 1b. (continued)**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SURFACE SOIL SAMPLE RESULTS - FEBRUARY 2008**
**SEMIVOLATILE ORGANIC COMPOUNDS**

| Sample Identification | SSRI-16 (1.5-2.0) | SSRI-17 (1.5-2.0) | SSRI-18 (1.5-2.0) | SSRI-19 (1.5-2.0) | SSRI-20 (1.5-2.0) | Contract Required Detection Limit | Unrestricted Use Soil Cleanup Objectives | *Restricted Use Soil Cleanup Objectives | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 02/22/08 | 02/22/08 | 02/22/08 | 02/22/08 | 02/22/08 | | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 8.0 | 10.0 | 30.0 | 4.0 | 8.0 | | | | | | |
| Percent Moisture | 13 | 17 | 14 | 17 | 26 | | | | | | |
| Units | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) |
| N-Nitrosodiphenylamine | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 4-Bromophenyl-phenylether | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Hexachlorobenzene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Atrazine | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Pentachlorophenol | U | U | U | U | U | 1,400 | 800[b] | 2,400 | 6,700 | 6,700 | 800[e] |
| Phenanthrene | 17000 | 12000 D | 24000 D | 730 | 6000 D | 550 | 100,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| Anthracene | 1600 J | 2800 DJ | 5500 | 340 J | 1000 | 550 | 100,000[a] | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| Carbazole | U | 990 | 4500 | 130 J | 820 | 550 | ---- | ---- | ---- | ---- | ---- |
| Di-n-butylphthalate | U | U | U | U | 160 J | 550 | ---- | ---- | ---- | ---- | ---- |
| Fluoranthene | 20000 | 30000 D | 26000 D | 2500 D | 8800 D | 550 | 100,000[a] | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| Pyrene | 17000 | 6100 D | 10000 | 1300 | 8100 D | 550 | 100,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| Butylbenzylphthalate | U | U | U | 290 J | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 3,3'-Dichlorobenzidine | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Benzo (a) anthracene | **6600** | 3500 DJ | 4800 | 720 | **6300 D** | 550 | 1,000[c] | 1,000[f] | 1,000[f] | 5,600 | 1,000[f] |
| Chrysene | 13000 | 2600 | 5100 | 780 | 3500 | 550 | 1,000[c] | 1,000[f] | 3,900 | 56,000 | 1,000[f] |
| bis(2-Ethylhexyl)phthalate | U | U | 660 J | 150 J | 250 J | 550 | ---- | ---- | ---- | ---- | ---- |
| Di-n-octylphthalate | 2600 J | U | U | 170 J | 200 J | 550 | ---- | ---- | ---- | ---- | ---- |
| Benzo(b)fluoranthene | 4800 | 1600 | 4500 | 750 | **6900 D** | 550 | 1,000[c] | 1,000[f] | 1,000[f] | 5,600 | 1,700 |
| Benzo(k)fluoranthene | 1500 J | 1000 | 2300 | 390 J | 2800 | 550 | 800c | 1,000 | 3,900 | 56,000 | 1,700 |
| Benzo(a)pyrene | **2600 J** | **1900** | **3000** | 580 | **5600 D** | 550 | 1,000[c] | 1,000[f] | 1,000[f] | 1,000[f] | 22,000 |
| Indeno(1,2,3-cd)pyrene | 800 J | 1100 | 1000 J | 130 J | 1500 | 550 | 500[c] | 500[f] | 500[f] | 5,600 | 8,200 |
| Dibenzo(a,h)anthracene | U | 330 J | 340 J | 45 J | 480 | 550 | 330[b] | 330[e] | 330[e] | 56,000 | 1,000,000[c1] |
| Benzo(g,h,i)perylene | 640 J | 820 | 950 J | 99 J | 1200 | 550 | 100,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| **Total PAHs** | 105,340 | 75,570 | 184,690 | 9,465 | 52,947 | | | | | | |
| **Total Carcinogen PAHs** | 29,300 | 12,030 | 21,040 | 3,395 | 27,080 | | | | | | |
| **Total SVOCs** | 110,240 | 79,100 | 197,590 | 10,485 | 54,657 | | | | | | |
| **Total SVOC TICs** | 261,100 | 40,810 | 82,070 | 14,200 | 10,681 | | | | | | |

QUALIFIERS:
B: Compound found in the method blank as well as the sample
D: Result taken from a reanalysis at a secondary dilution
J: Compound found at a concentration below the CRDL, value estimated
U: Compound analyzed for but not detected

Indicates the value exceeds the NYSDEC Commercial SCO

NOTES:
All concentrations are in micrograms per kilogram (ug/kg) or parts per billion (ppb
1: 6 NYCRR PART 375 - Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives (SCOs)
2: 6 NYCRR PART 375 - Table 375-6.8(b): Restricted Use SCOs
a: The SCOs for unrestricted use, residential, restricted-residential and ecological resources use were capped at a maximum value of 100,000 ug/kg
b: For constituents where the calculated SCO was lower than the contract required quantitation limit (CRQL), the CRQL is used as the Track 1 SCO value
b1: The SCOs for commercial use were capped at a maximum value of 500,000 ug/kg
c: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 1 SCO value for this use of the site
c1: The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1,000,000
e: For constituents where the calculated SCO was lower than the CRQL, the CRQL is used as the SCO value
f: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site
----: not established

**COMMERCIAL ONLY**

**TABLE 1c.**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SURFACE SOIL SAMPLE RESULTS - FEBRUARY 2008**
**PESTICIDES/POLYCHLORINATED BIPHENYLS**

| Sample Identification | SSRI-1 (0-0.1) | SSRI-2 (0-0.1) | SSRI-3 (0-0.1) | SSRI-4 (0-0.1) | SSRI-5 (0-0.1) | Contract Required Detection Limit | Unrestricted Use Soil Cleanup Objectives[1] | Restricted Use Soil Cleanup Objectives[2] | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 2/5/2008 | 2/5/2008 | 2/5/2008 | 2/5/2008 | 2/5/2008 | | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | 0-0.1 | 0-0.1 | 0-0.1 | 0-0.1 | 0-0.1 | | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 1.0 | 10.0 | 1.0 | 1.0 | 5.0 | | | | | | |
| Percent Moisture | 12 | 34 | 32 | 39 | 15 | | | | | | |
| Units | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) |
| alpha-BHC | U | 6.2 P | U | U | U | 0.05 | 20 | 97 | 480 | 3,400 | 20 |
| beta-BHC | U | U | U | U | U | 0.05 | 36 | 72 | 360 | 3000 | 90 |
| delta-BHC | U | U | U | U | U | 0.05 | 40 | 100,000[a] | 100,000[a] | 500,000[b1] | 250 |
| gamma-BHC (Lindane) | U | U | U | U | U | 0.05 | ---- | ---- | ---- | ---- | ---- |
| Heptachlor | U | 1.4 JP | U | U | U | 0.05 | 42 | 420 | 2,100 | 15,000 | 380 |
| Aldrin | U | U | U | U | U | 0.05 | 5[e] | 19 | 97 | 680 | 190 |
| Heptachlor Epoxide | U | U | U | U | 2.1 P | 0.05 | ---- | ---- | ---- | ---- | ---- |
| Endosulfan I | U | 12 P | 3.9 P | U | U | 0.05 | 2,400 | 4,800[i] | 24,000[i] | 200,000[i] | 102,000 |
| Dieldrin | U | 180 DP | U | U | 9.5 P | 0.10 | 5[e] | 39 | 200 | 1,400 | 100 |
| 4,4'-DDE | 4.8 P | 160 DP | U | U | 14 P | 0.10 | 3.3[b] | 1,800 | 8,900 | 62,000 | 17,000 |
| Endrin | 11 P | 60 P | 17 | 3.0 JP | 21 P | 0.10 | 14 | 2,200 | 11,000 | 89,000 | 60 |
| Endosulfan II | U | U | 8.7 | U | U | 0.10 | 2,400 | 4,800[i] | 24,000[i] | 200,000[i] | 102,000 |
| 4,4'-DDD | U | U | U | U | U | 0.10 | 3.3[b] | 2,600 | 13,000 | 92,000 | 14,000 |
| Endosulfan Sulfate | 9.5 P | 150 DP | 38 | U | 4.7 P | 0.10 | 2,400 | 4,800[i] | 24,000[i] | 200,000[i] | 1,000,000[c1] |
| 4,4'-DDT | U | U | 24 P | U | 2.1 JP | 0.10 | 3.3[b] | 1,700 | 7,900 | 47,000 | 136,000 |
| Methoxychlor | U | 56 P | 48 | 33 | U | 0.50 | ---- | ---- | ---- | ---- | ---- |
| Endrin Ketone | U | 16 P | 12 P | U | U | 0.10 | ---- | ---- | ---- | ---- | ---- |
| Endrin Aldehyde | 7.9 P | 34 P | 17 | U | 4.2 | 0.10 | ---- | ---- | ---- | ---- | ---- |
| alpha-Chlordane | U | U | U | U | 15 P | 0.05 | 94 | 910 | 4,200 | 24,000 | 2,900 |
| gamma-Chlordane | 16 | 140 DP | 27 P | U | 41 DP | 0.05 | ---- | ---- | ---- | ---- | ---- |
| Toxaphene | U | U | U | U | U | 5.0 | ---- | ---- | ---- | ---- | ---- |
| Aroclor-1016 | U | U | U | U | U | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1221 | U | U | U | U | U | 2.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1232 | U | U | U | U | U | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1242 | 970 P | U | U | U | **4100 D** | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1248 | U | U | U | U | U | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1254 | 390 P | **13000 DP** | U | U | 520 P | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1260 | U | U | U | U | U | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| **Total Pesticides** | 49.2 | 815.6 | 195.6 | 36 | 113.6 | | | | | | |
| **Total PCBs** | 1,360 | 13,000 | 0 | 0 | 4,620 | | | | | | |

QUALIFIERS:
P: Greater than 25% difference between columns.B
D: Result taken from a reanalysis at a secondary dilution
J: Compound found at a concentration below the CRDL, value estimated
U: Compound analyzed for but not detected

Indicates the value exceeds the NYSDEC Commercial SCO

NOTES:
All concentrations are in micrograms per kilogram (ug/kg) or parts per billion (ppb
1: 6 NYCRR PART 375 - Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives (SCOs)
2: 6 NYCRR PART 375 - Table 375-6.8(b): Restricted Use SCOs
a: The SCOs for unrestricted use, residential, restricted-residential and ecological resources use were capped at a maximum value of 100,000 ug/kg
b: For constituents where the calculated SCO was lower than the contract required quantitation limit (CRQL), the CRQL is used as the Track 1 SCO value
b1: The SCOs for commercial use were capped at a maximum value of 500,000 ug/kg
c: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 1 SCO value for this use of the site
c1: The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1,000,000
i: This SCO is for the sum of endosulfan I, endosulfan II, and endosulfan sulfate.
----: not established

**TABLE 1c (continued).**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SURFACE SOIL SAMPLE RESULTS - FEBRUARY 2008**
**PESTICIDES/POLYCHLORINATED BIPHENYLS**

| Sample Identification | SSRI-6 (0-0.1) | SSRI-7 (0-0.1) | SSRI-8 (0-0.1) | SSRI-9 (0-0.1) | SSRI-10 (0-0.1) | Contract Required Detection Limit | Unrestricted Use Soil Cleanup Objectives[1] | Restricted Use Soil Cleanup Objectives[2] | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 2/5/2008 | 2/5/2008 | 2/6/2008 | 2/6/2008 | 2/22/2008 | | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | 0-0.1 | 0-0.1 | 0-0.1 | 0-0.1 | 0-0.1 | | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 5.0 | 4.0 | 1.0 | 1.0 | 1.0 | | | | | | |
| Percent Moisture | 30 | 23 | 14 | 26 | 28 | | | | | | |
| Units | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) |
| alpha-BHC | U | U | U | U | U | 0.05 | 20 | 97 | 480 | 3,400 | 20 |
| beta-BHC | U | U | U | U | U | 0.05 | 36 | 72 | 360 | 3000 | 90 |
| delta-BHC | U | U | U | U | U | 0.05 | 40 | 100,000[a] | 100,000[a] | 500,000[b1] | 250 |
| gamma-BHC (Lindane) | U | U | U | U | U | 0.05 | ---- | ---- | ---- | ---- | ---- |
| Heptachlor | U | U | U | U | 1.6 J | 0.05 | 42 | 420 | 2,100 | 15,000 | 380 |
| Aldrin | U | U | U | U | U | 0.05 | 5[e] | 19 | 97 | 680 | 190 |
| Heptachlor Epoxide | U | U | U | U | U | 0.05 | ---- | ---- | ---- | ---- | ---- |
| Endosulfan I | U | U | U | U | U | 0.05 | 2,400 | 4,800[i] | 24,000[i] | 200,000[i] | 102,000 |
| Dieldrin | U | U | U | U | U | 0.10 | 5[e] | 39 | 200 | 1,400 | 100 |
| 4,4'-DDE | 23 P | 14 P | 10 P | 4.1 JP | 4.7 P | 0.10 | 3.3[b] | 1,800 | 8,900 | 62,000 | 17,000 |
| Endrin | 74 P | 32 P | U | U | U | 0.10 | 14 | 2,200 | 11,000 | 89,000 | 60 |
| Endosulfan II | U | U | U | U | U | 0.10 | 2,400 | 4,800[i] | 24,000[i] | 200,000[i] | 102,000 |
| 4,4'-DDD | U | U | 3.1 J | U | U | 0.10 | 3.3[b] | 2,600 | 13,000 | 92,000 | 14,000 |
| Endosulfan Sulfate | 28 P | 20 P | 10 P | 6.2 P | 18 | 0.10 | 2,400 | 4,800[i] | 24,000[i] | 200,000[i] | 1,000,000[c1] |
| 4,4'-DDT | 9.3 P | 2.8 JP | U | 6.4 P | 4.8 P | 0.10 | 3.3[b] | 1,700 | 7,900 | 47,000 | 136,000 |
| Methoxychlor | 62 P | 18 JP | U | U | U | 0.50 | ---- | ---- | ---- | ---- | ---- |
| Endrin Ketone | U | 4.4 P | U | U | U | 0.10 | ---- | ---- | ---- | ---- | ---- |
| Endrin Aldehyde | 11 P | 18 P | 16 P | 9.1 P | 16 | 0.10 | ---- | ---- | ---- | ---- | ---- |
| alpha-Chlordane | 3.0 P | 1.6 JP | U | 1.6 JP | 3.0 P | 0.05 | 94 | 910 | 4,200 | 24,000 | 2,900 |
| gamma-Chlordane | 48 DP | 41 D | 5.3 P | 2.5 | 3.0 P | 0.05 | ---- | ---- | ---- | ---- | ---- |
| Toxaphene | U | U | U | U | U | 5.0 | ---- | ---- | ---- | ---- | ---- |
| Aroclor-1016 | U | U | U | U | U | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1221 | U | U | U | U | U | 2.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1232 | U | U | U | U | U | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1242 | **3600 DP** | 790 | U | U | U | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1248 | U | U | U | U | 130 P | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1254 | **1800 DP** | 800 P | 840 | U | U | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1260 | U | U | U | U | 280 P | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| **Total Pesticides** | 2,583 | 152 | 44.4 | 29.9 | 51.1 | | | | | | |
| **Total PCBs** | 5,400 | 1,590 | 840 | 0 | 410 | | | | | | |

QUALIFIERS:
P: Greater than 25% difference between columns.B
D: Result taken from a reanalysis at a secondary dilution
J: Compound found at a concentration below the CRDL, value estimated
U: Compound analyzed for but not detected

Indicates the value exceeds the NYSDEC Commercial SCO

NOTES:
All concentrations are in micrograms per kilogram (ug/kg) or parts per billion (ppb
1: 6 NYCRR PART 375 - Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives (SCOs)
2: 6 NYCRR PART 375 - Table 375-6.8(b): Restricted Use SCOs
a: The SCOs for unrestricted use, residential, restricted-residential and ecological resources use were capped at a maximum value of 100,000 ug/kg
b: For constituents where the calculated SCO was lower than the contract required quantitation limit (CRQL), the CRQL is used as the Track 1 SCO value
b1: The SCOs for commercial use were capped at a maximum value of 500,000 ug/kg
c: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 1 SCO value for this use of the site
c1: The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1,000,000
e: For constituents where the calculated SCO was lower than the CRQL, the CRQL is used as the SCO value
----: not established

**COMMERCIAL ONLY**

**TABLE 1c (continued).**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SURFACE SOIL SAMPLE RESULTS - FEBRUARY 2008**
**PESTICIDES/POLYCHLORINATED BIPHENYLS**

| Sample Identification | **SSRI-11 (0-0.1)** | **SSRI-12 (0-0.1)** | **SSRI-13 (0-0.1)** | **SSRI-14 (0-0.1)** | **SSRI-15 (0-0.1)** | Contract Required Detection Limit | Unrestricted Use Soil Cleanup Objectives[1] | Restricted Use Soil Cleanup Objectives[2] | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 2/6/2008 | 2/6/2008 | 2/6/2008 | 2/6/2008 | 2/6/2008 | | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | 0-0.1 | 0-0.1 | 0-0.1 | 0-0.1 | 0-0.1 | | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 1.0 | 60.0 | 1.0 | 1.0 | 1.0 | | | | | | |
| Percent Moisture | 21 | 24 | 49 | 32 | 29 | | | | | | |
| Units | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) |
| alpha-BHC | U | U | U | U | U | 0.05 | 20 | 97 | 480 | 3,400 | 20 |
| beta-BHC | U | U | U | U | U | 0.05 | 36 | 72 | 360 | 3000 | 90 |
| delta-BHC | U | U | U | U | U | 0.05 | 40 | 100,000[a] | 100,000[a] | 500,000[b1] | 250 |
| gamma-BHC (Lindane) | U | U | U | U | U | 0.05 | ---- | ---- | ---- | ---- | ---- |
| Heptachlor | U | U | U | 1.7 JP | U | 0.05 | 42 | 420 | 2,100 | 15,000 | 380 |
| Aldrin | U | U | U | U | U | 0.05 | 5[e] | 19 | 97 | 680 | 190 |
| Heptachlor Epoxide | U | U | U | U | U | 0.05 | ---- | ---- | ---- | ---- | ---- |
| Endosulfan I | U | 16 P | U | U | U | 0.05 | 2,400 | 4,800[i] | 24,000[i] | 200,000[i] | 102,000 |
| Dieldrin | U | U | U | U | U | 0.10 | 5[e] | 39 | 200 | 1,400 | 100 |
| 4,4'-DDE | 11 P | 280 P | 4.5 JP | 7.8 P | 17 P | 0.10 | 3.3[b] | 1,800 | 8,900 | 62,000 | 17,000 |
| Endrin | U | U | U | U | U | 0.10 | 14 | 2,200 | 11,000 | 89,000 | 60 |
| Endosulfan II | U | U | U | U | U | 0.10 | 2,400 | 4,800[i] | 24,000[i] | 200,000[i] | 102,000 |
| 4,4'-DDD | U | U | U | 8.9 | U | 0.10 | 3.3[b] | 2,600 | 13,000 | 92,000 | 14,000 |
| Endosulfan Sulfate | 17 P | 120 P | 6.3 JP | 13 P | 22 P | 0.10 | 2,400 | 4,800[i] | 24,000[i] | 200,000[i] | 1,000,000[c1] |
| 4,4'-DDT | 7.4 P | U | 3.4 JP | 8.5 P | 12 P | 0.10 | 3.3[b] | 1,700 | 7,900 | 47,000 | 136,000 |
| Methoxychlor | U | U | U | U | U | 0.50 | ---- | ---- | ---- | ---- | ---- |
| Endrin Ketone | U | U | U | U | 3.0 JP | 0.10 | ---- | ---- | ---- | ---- | ---- |
| Endrin Aldehyde | 13 P | 190 P | 6.6 | 11 P | U | 0.10 | ---- | ---- | ---- | ---- | ---- |
| alpha-Chlordane | 1.5 J | U | 5.9 | U | U | 0.05 | 94 | 910 | 4,200 | 24,000 | 2,900 |
| gamma-Chlordane | 9.3 P | 150 P | 2.1 JP | 2.0 JP | 5.7 P | 0.05 | ---- | ---- | ---- | ---- | ---- |
| Toxaphene | U | U | U | U | U | 5.0 | ---- | ---- | ---- | ---- | ---- |
| Aroclor-1016 | U | U | U | U | U | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1221 | U | U | U | U | U | 2.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1232 | U | U | U | U | U | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1242 | U | U | U | U | U | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1248 | U | U | U | U | U | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1254 | **1100** | **29000 D** | 250 | 590 | **1300** | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1260 | U | U | U | U | U | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| **Total Pesticides** | 59.2 | 756 | 28.8 | 52.9 | 59.7 | | | | | | |
| **Total PCBs** | 1,100 | 29,000 | 250 | 590 | 1,300 | | | | | | |

QUALIFIERS:
P: Greater than 25% difference between columns.B
D: Result taken from a reanalysis at a secondary dilution
J: Compound found at a concentration below the CRDL, value estimated
U: Compound analyzed for but not detected

Indicates the value exceeds the NYSDEC Commercial SCO

NOTES:
All concentrations are in micrograms per kilogram (ug/kg) or parts per billion (ppb
1: 6 NYCRR PART 375 - Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives (SCOs)
2: 6 NYCRR PART 375 - Table 375-6.8(b): Restricted Use SCOs
a: The SCOs for unrestricted use, residential, restricted-residential and ecological resources use were capped at a maximum value of 100,000 ug/kg
b: For constituents where the calculated SCO was lower than the contract required quantitation limit (CRQL), the CRQL is used as the Track 1 SCO value
b1: The SCOs for commercial use were capped at a maximum value of 500,000 ug/kg
c: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 1 SCO value for this use of the site
c1: The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1,000,000
i: This SCO is for the sum of endosulfan I, endosulfan II, and endosulfan sulfate.
----: not established

**COMMERCIAL ONLY**

**TABLE 1c (continued).**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SURFACE SOIL SAMPLE RESULTS - FEBRUARY 2008**
**PESTICIDES/POLYCHLORINATED BIPHENYLS**

| Sample Identification | **SSRI-16 (0-0.1)** | **SSRI-17 (0-0.1)** | **SSRI-18 (0-0.1)** | **SSRI-19 (0-0.1)** | **SSRI-20 (0-0.1)** | Contract Required Detection Limit | Unrestricted Use Soil Cleanup Objectives[1] | Restricted Use Soil Cleanup Objectives[2] | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 2/22/2008 | 2/22/2008 | 2/22/2008 | 2/22/2008 | 2/22/2008 | | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | 0-0.1 | 0-0.1 | 0-0.1 | 0-0.1 | 0-0.1 | | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | |
| Percent Moisture | 41 | 19 | 39 | 34 | 26 | | | | | | |
| Units | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) |
| alpha-BHC | 2.6 JP | U | U | 2.0 JP | U | 0.05 | 20 | 97 | 480 | 3,400 | 20 |
| beta-BHC | 3.5 P | U | U | U | U | 0.05 | 36 | 72 | 360 | 3000 | 90 |
| delta-BHC | U | U | U | U | U | 0.05 | 40 | 100,000[a] | 100,000[a] | 500,000[b1] | 250 |
| gamma-BHC (Lindane) | U | U | U | U | U | 0.05 | ---- | ---- | ---- | ---- | ---- |
| Heptachlor | U | U | U | U | U | 0.05 | 42 | 420 | 2,100 | 15,000 | 380 |
| Aldrin | U | U | U | U | U | 0.05 | 5[e] | 19 | 97 | 680 | 190 |
| Heptachlor Epoxide | 2.9 P | U | U | U | U | 0.05 | ---- | ---- | ---- | ---- | ---- |
| Endosulfan I | U | 1.7 JP | U | U | U | 0.05 | 2,400 | 4,800[i] | 24,000[i] | 200,000[i] | 102,000 |
| Dieldrin | U | U | U | U | U | 0.10 | 5[e] | 39 | 200 | 1,400 | 100 |
| 4,4'-DDE | 15 P | 16 P | 19 P | U | 10 P | 0.10 | 3.3[b] | 1,800 | 8,900 | 62,000 | 17,000 |
| Endrin | U | U | U | U | U | 0.10 | 14 | 2,200 | 11,000 | 89,000 | 60 |
| Endosulfan II | U | U | U | U | U | 0.10 | 2,400 | 4,800[i] | 24,000[i] | 200,000[i] | 102,000 |
| 4,4'-DDD | U | 5.0 P | U | U | U | 0.10 | 3.3[b] | 2,600 | 13,000 | 92,000 | 14,000 |
| Endosulfan Sulfate | 7.0 P | 43 P | 13 P | 3.4 JP | 16 P | 0.10 | 2,400 | 4,800[i] | 24,000[i] | 200,000[i] | 1,000,000[c1] |
| 4,4'-DDT | U | 6.8 P | U | U | U | 0.10 | 3.3[b] | 1,700 | 7,900 | 47,000 | 136,000 |
| Methoxychlor | U | 14 JP | U | U | U | 0.50 | ---- | ---- | ---- | ---- | ---- |
| Endrin Ketone | U | U | U | U | U | 0.10 | ---- | ---- | ---- | ---- | ---- |
| Endrin Aldehyde | U | 23 P | 16 P | 5.7 P | 14 P | 0.10 | ---- | ---- | ---- | ---- | ---- |
| alpha-Chlordane | 19 P | U | 2.0 J | 1.5 JP | U | 0.05 | 94 | 910 | 4,200 | 24,000 | 2,900 |
| gamma-Chlordane | 18 P | 7.0 P | 9.0 P | 1.5 JP | 5.0 P | 0.05 | ---- | ---- | ---- | ---- | ---- |
| Toxaphene | U | U | U | U | U | 5.0 | ---- | ---- | ---- | ---- | ---- |
| Aroclor-1016 | U | U | U | U | U | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1221 | U | U | U | U | U | 2.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1232 | U | U | U | U | U | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1242 | U | U | U | U | U | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1248 | 310 P | 320 P | 500 P | U | 180 P | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1254 | U | U | U | U | U | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1260 | 330 P | **1400** | 430 | 140 P | 500 P | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| **Total Pesticides** | 68 | 116.5 | 59 | 14.1 | 45 | | | | | | |
| **Total PCBs** | 640 | 1,720 | 930 | 140 | 680 | | | | | | |

QUALIFIERS:
P: Greater than 25% difference between columns.B
D: Result taken from a reanalysis at a secondary dilution
J: Compound found at a concentration below the CRDL, value estimated
U: Compound analyzed for but not detected

Indicates the value exceeds the NYSDEC Commercial SCO

NOTES:
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b: For constituents where the calculated SCO was lower than the contract required quantitation limit (CRQL), the CRQL is used as the Track 1 SCO value
b1: The SCOs for commercial use were capped at a maximum value of 500,000 ug/kg
c: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 1 SCO value for this use of the site
c1: The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1,000,000
i: This SCO is for the sum of endosulfan I, endosulfan II, and endosulfan sulfate.
----: not established

**COMMERCIAL ONLY**

**TABLE 1c (continued).**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SURFACE SOIL SAMPLE RESULTS - FEBRUARY 2008**
**PESTICIDES/POLYCHLORINATED BIPHENYLS**

| Sample Identification | **SSRI-1 (0.5-1.0)** | **SSRI-2 (0.5-1.0)** | **SSRI-3 (0.5-1.0)** | **SSRI-4 (0.5-1.0)** | **SSRI-5 (0.5-1.0)** | Contract Required Detection Limit | Unrestricted Use Soil Cleanup Objectives[1] | Restricted Use Soil Cleanup Objectives[2] | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 2/5/2008 | 2/5/2008 | 2/5/2008 | 2/5/2008 | 2/5/2008 | | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | 0.5-1.0 | 0.5-1.0 | 0.5-1.0 | 0.5-1.0 | 0.5-1.0 | | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 1.0 | 5.0 | 1.0 | 1.0 | 1.0 | | | | | | |
| Percent Moisture | 18 | 24 | 15 | 15 | 15 | | | | | | |
| Units | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) |
| alpha-BHC | U | U | U | U | U | 0.05 | 20 | 97 | 480 | 3,400 | 20 |
| beta-BHC | U | U | U | U | U | 0.05 | 36 | 72 | 360 | 3000 | 90 |
| delta-BHC | U | U | U | U | U | 0.05 | 40 | 100,000[a] | 100,000[a] | 500,000[b1] | 250 |
| gamma-BHC (Lindane) | U | U | U | U | U | 0.05 | ---- | ---- | ---- | ---- | ---- |
| Heptachlor | 1.3 JP | U | U | U | U | 0.05 | 42 | 420 | 2,100 | 15,000 | 380 |
| Aldrin | U | U | U | U | U | 0.05 | 5[e] | 19 | 97 | 680 | 190 |
| Heptachlor Epoxide | 1.6 JP | U | U | U | U | 0.05 | ---- | ---- | ---- | ---- | ---- |
| Endosulfan I | U | U | U | U | U | 0.05 | 2,400 | 4,800[i] | 24,000[i] | 200,000[i] | 102,000 |
| Dieldrin | U | U | U | U | U | 0.10 | 5[e] | 39 | 200 | 1,400 | 100 |
| 4,4'-DDE | 4.8 P | 15 P | U | U | U | 0.10 | 3.3[b] | 1,800 | 8,900 | 62,000 | 17,000 |
| Endrin | 2.2 JP | 29 | U | U | U | 0.10 | 14 | 2,200 | 11,000 | 89,000 | 60 |
| Endosulfan II | U | 32 P | U | U | U | 0.10 | 2,400 | 4,800[i] | 24,000[i] | 200,000[i] | 102,000 |
| 4,4'-DDD | U | 54 P | U | U | U | 0.10 | 3.3[b] | 2,600 | 13,000 | 92,000 | 14,000 |
| Endosulfan Sulfate | U | 35 P | U | U | 2.4 J | 0.10 | 2,400 | 4,800[i] | 24,000[i] | 200,000[i] | 1,000,000[c1] |
| 4,4'-DDT | U | U | U | U | U | 0.10 | 3.3[b] | 1,700 | 7,900 | 47,000 | 136,000 |
| Methoxychlor | 33 P | U | U | U | U | 0.50 | ---- | ---- | ---- | ---- | ---- |
| Endrin Ketone | 16 P | U | 4.4 P | U | U | 0.10 | ---- | ---- | ---- | ---- | ---- |
| Endrin Aldehyde | 3.2 JP | U | U | U | 2.2 JP | 0.10 | ---- | ---- | ---- | ---- | ---- |
| alpha-Chlordane | U | U | U | U | U | 0.05 | 94 | 910 | 4,200 | 24,000 | 2,900 |
| gamma-Chlordane | U | 15 P | U | U | 3.0 | 0.05 | ---- | ---- | ---- | ---- | ---- |
| Toxaphene | U | U | U | U | U | 5.0 | ---- | ---- | ---- | ---- | ---- |
| Aroclor-1016 | U | U | U | U | U | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1221 | U | U | U | U | U | 2.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1232 | U | U | U | U | U | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1242 | U | 860 P | U | U | U | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1248 | U | U | U | U | U | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1254 | U | 980 P | U | U | 54 P | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1260 | U | U | U | U | U | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| **Total Pesticides** | 62.1 | 180 | 4.4 | 0 | 7.6 | | | | | | |
| **Total PCBs** | 0 | 1,840 | 0 | 0 | 54 | | | | | | |

QUALIFIERS:
P: Greater than 25% difference between columns.B
D: Result taken from a reanalysis at a secondary dilution
J: Compound found at a concentration below the CRDL, value estimated
U: Compound analyzed for but not detected

Indicates the value exceeds the NYSDEC Commercial SCO

NOTES:
All concentrations are in micrograms per kilogram (ug/kg) or parts per billion (ppb
1: 6 NYCRR PART 375 - Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives (SCOs)
2: 6 NYCRR PART 375 - Table 375-6.8(b): Restricted Use SCOs
a: The SCOs for unrestricted use, residential, restricted-residential and ecological resources use were capped at a maximum value of 100,000 ug/kg
b: For constituents where the calculated SCO was lower than the contract required quantitation limit (CRQL), the CRQL is used as the Track 1 SCO value
b1: The SCOs for commercial use were capped at a maximum value of 500,000 ug/kg
c: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 1 SCO value for this use of the site
c1: The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1,000,000
i: This SCO is for the sum of endosulfan I, endosulfan II, and endosulfan sulfate.
----: not established

**COMMERCIAL ONLY**

**TABLE 1c (continued).**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SURFACE SOIL SAMPLE RESULTS - FEBRUARY 2008**
**PESTICIDES/POLYCHLORINATED BIPHENYLS**

| Sample Identification | SSRI-6 (0.5-1.0) | SSRI-7 (0.5-1.0) | SSRI-8 (0.5-1.0) | SSRI-9 (0.5-1.0) | SSRI-10 (0.5-1.0) | Contract Required Detection Limit | Unrestricted Use Soil Cleanup Objectives[1] | Restricted Use Soil Cleanup Objectives[2] | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 2/5/2008 | 2/5/2008 | 2/6/2008 | 2/6/2008 | 2/22/2008 | | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | 0.5-1.0 | 0.5-1.0 | 0.5-1.0 | 0.5-1.0 | 0.5-1.0 | | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 1.0 | 10.0 | 5.0 | 1.0 | 1.0 | | | | | | |
| Percent Moisture | 18 | 18 | 35 | 16 | 24 | | | | | | |
| Units | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) |
| alpha-BHC | U | U | U | U | 4.7 P | 0.05 | 20 | 97 | 480 | 3,400 | 20 |
| beta-BHC | U | U | U | U | U | 0.05 | 36 | 72 | 360 | 3000 | 90 |
| delta-BHC | U | U | U | U | U | 0.05 | 40 | 100,000[a] | 100,000[a] | 500,000[b1] | 250 |
| gamma-BHC (Lindane) | U | U | U | U | U | 0.05 | ---- | ---- | ---- | ---- | ---- |
| Heptachlor | U | U | U | U | U | 0.05 | 42 | 420 | 2,100 | 15,000 | 380 |
| Aldrin | U | U | U | U | U | 0.05 | 5[e] | 19 | 97 | 680 | 190 |
| Heptachlor Epoxide | U | U | U | U | U | 0.05 | ---- | ---- | ---- | ---- | ---- |
| Endosulfan I | U | U | 5.4 P | U | U | 0.05 | 2,400 | 4,800[i] | 24,000[i] | 200,000[i] | 102,000 |
| Dieldrin | U | U | U | U | U | 0.10 | 5[e] | 39 | 200 | 1,400 | 100 |
| 4,4'-DDE | U | 30 P | 14 P | U | U | 0.10 | 3.3[b] | 1,800 | 8,900 | 62,000 | 17,000 |
| Endrin | U | 62 P | 40 P | U | U | 0.10 | 14 | 2,200 | 11,000 | 89,000 | 60 |
| Endosulfan II | U | U | U | U | 11 P | 0.10 | 2,400 | 4,800[i] | 24,000[i] | 200,000[i] | 102,000 |
| 4,4'-DDD | U | 59 P | 22 P | U | U | 0.10 | 3.3[b] | 2,600 | 13,000 | 92,000 | 14,000 |
| Endosulfan Sulfate | U | 9.5 P | U | U | 54 P | 0.10 | 2,400 | 4,800[i] | 24,000[i] | 200,000[i] | 1,000,000[c1] |
| 4,4'-DDT | U | U | 68 DP | U | U | 0.10 | 3.3[b] | 1,700 | 7,900 | 47,000 | 136,000 |
| Methoxychlor | 11 JP | U | U | U | 41 P | 0.50 | ---- | ---- | ---- | ---- | ---- |
| Endrin Ketone | U | U | 26 DP | U | 4.9 P | 0.10 | ---- | ---- | ---- | ---- | ---- |
| Endrin Aldehyde | U | U | U | U | 23 P | 0.10 | ---- | ---- | ---- | ---- | ---- |
| alpha-Chlordane | U | U | U | U | 23 | 0.05 | 94 | 910 | 4,200 | 24,000 | 2,900 |
| gamma-Chlordane | U | 17 P | U | U | U | 0.05 | ---- | ---- | ---- | ---- | ---- |
| Toxaphene | U | U | U | U | U | 5.0 | ---- | ---- | ---- | ---- | ---- |
| Aroclor-1016 | U | U | U | U | U | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1221 | U | U | U | U | U | 2.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1232 | U | U | U | U | U | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1242 | U | U | U | U | U | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1248 | U | U | U | U | 59 P | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1254 | U | **1400 P** | U | U | 380 P | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1260 | U | U | U | U | U | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| **Total Pesticides** | 11 | 177.5 | 175.4 | 0 | 161.6 | | | | | | |
| **Total PCBs** | 0 | 1,400 | 0 | 0 | 439 | | | | | | |

QUALIFIERS:
P: Greater than 25% difference between columns.B
D: Result taken from a reanalysis at a secondary dilution
J: Compound found at a concentration below the CRDL, value estimated
U: Compound analyzed for but not detected

Indicates the value exceeds the NYSDEC Commercial SCO

NOTES:
All concentrations are in micrograms per kilogram (ug/kg) or parts per billion (ppb
1: 6 NYCRR PART 375 - Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives (SCOs)
2: 6 NYCRR PART 375 - Table 375-6.8(b): Restricted Use SCOs
a: The SCOs for unrestricted use, residential, restricted-residential and ecological resources use were capped at a maximum value of 100,000 ug/kg
b: For constituents where the calculated SCO was lower than the contract required quantitation limit (CRQL), the CRQL is used as the Track 1 SCO value
b1: The SCOs for commercial use were capped at a maximum value of 500,000 ug/kg
c: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 1 SCO value for this use of the site
c1: The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1,000,000
i: This SCO is for the sum of endosulfan I, endosulfan II, and endosulfan sulfate.
----: not established

**TABLE 1c (continued).**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SURFACE SOIL SAMPLE RESULTS - FEBRUARY 2008**
**PESTICIDES/POLYCHLORINATED BIPHENYLS**

| Sample Identification | SSRI-11 (0.5-1.0) | SSRI-12 (0.5-1.0) | SSRI-13 (0.5-1.0) | SSRI-14 (0.5-1.0) | SSRI-15 (0.5-1.0) | Contract Required Detection Limit | Unrestricted Use Soil Cleanup Objectives[1] | Restricted Use Soil Cleanup Objectives[2] | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 2/22/2008 | 2/6/2008 | 2/6/2008 | 2/6/2008 | 2/6/2008 | | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | 0.5-1.0 | 0.5-1.0 | 0.5-1.0 | 0.5-1.0 | 0.5-1.0 | | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 1.0 | 1.0 | 1.0 | 1.0 | 5.0 | | | | | | |
| Percent Moisture | 13 | 21 | 15 | 21 | 12 | | | | | | |
| Units | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) |
| alpha-BHC | U | U | U | U | U | 0.05 | 20 | 97 | 480 | 3,400 | 20 |
| beta-BHC | U | U | U | U | U | 0.05 | 36 | 72 | 360 | 3000 | 90 |
| delta-BHC | U | U | U | U | U | 0.05 | 40 | 100,000[a] | 100,000[a] | 500,000[b1] | 250 |
| gamma-BHC (Lindane) | U | U | U | U | U | 0.05 | ---- | ---- | ---- | ---- | ---- |
| Heptachlor | U | U | U | U | U | 0.05 | 42 | 420 | 2,100 | 15,000 | 380 |
| Aldrin | U | U | U | U | U | 0.05 | 5[e] | 19 | 97 | 680 | 190 |
| Heptachlor Epoxide | U | 4.7 P | U | U | U | 0.05 | ---- | ---- | ---- | ---- | ---- |
| Endosulfan I | U | 1.6 JP | U | U | U | 0.05 | 2,400 | 4,800[i] | 24,000[i] | 200,000[i] | 102,000 |
| Dieldrin | U | U | 4.3 P | U | U | 0.10 | 5[e] | 39 | 200 | 1,400 | 100 |
| 4,4'-DDE | U | 20 P | 9.4 P | U | U | 0.10 | 3.3[b] | 1,800 | 8,900 | 62,000 | 17,000 |
| Endrin | U | U | 7.5 P | U | 46 | 0.10 | 14 | 2,200 | 11,000 | 89,000 | 60 |
| Endosulfan II | U | U | U | U | U | 0.10 | 2,400 | 4,800[i] | 24,000[i] | 200,000[i] | 102,000 |
| 4,4'-DDD | U | U | U | U | U | 0.10 | 3.3[b] | 2,600 | 13,000 | 92,000 | 14,000 |
| Endosulfan Sulfate | U | 21 P | 2.0 JP | 2.3 J | U | 0.10 | 2,400 | 4,800[i] | 24,000[i] | 200,000[i] | 1,000,000[c1] |
| 4,4'-DDT | U | 8.9 P | 16 P | 1.2 JP | U | 0.10 | 3.3[b] | 1,700 | 7,900 | 47,000 | 136,000 |
| Methoxychlor | U | U | U | U | U | 0.50 | ---- | ---- | ---- | ---- | ---- |
| Endrin Ketone | U | 6.6 P | U | U | 5.6 | 0.10 | ---- | ---- | ---- | ---- | ---- |
| Endrin Aldehyde | U | 17 P | 2.8 JP | U | U | 0.10 | ---- | ---- | ---- | ---- | ---- |
| alpha-Chlordane | U | U | U | U | U | 0.05 | 94 | 910 | 4,200 | 24,000 | 2,900 |
| gamma-Chlordane | U | 7.2 P | U | U | 3.1 P | 0.05 | ---- | ---- | ---- | ---- | ---- |
| Toxaphene | U | U | U | U | U | 5.0 | ---- | ---- | ---- | ---- | ---- |
| Aroclor-1016 | U | U | U | U | U | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1221 | U | U | U | U | U | 2.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1232 | U | U | U | U | U | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1242 | U | U | U | U | U | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1248 | U | U | U | U | U | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1254 | 30 J | **1100** | U | 99 | U | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1260 | U | U | U | U | U | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| **Total Pesticides** | 0 | 87 | 42 | 3.5 | 54.7 | | | | | | |
| **Total PCBs** | 30 | 1,100 | 0 | 99 | 0 | | | | | | |

QUALIFIERS:
P: Greater than 25% difference between columns.B
D: Result taken from a reanalysis at a secondary dilution
J: Compound found at a concentration below the CRDL, value estimated
U: Compound analyzed for but not detected

Indicates the value exceeds the NYSDEC Commercial SCO

NOTES:
All concentrations are in micrograms per kilogram (ug/kg) or parts per billion (ppb
1: 6 NYCRR PART 375 - Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives (SCOs)
2: 6 NYCRR PART 375 - Table 375-6.8(b): Restricted Use SCOs
a: The SCOs for unrestricted use, residential, restricted-residential and ecological resources use were capped at a maximum value of 100,000 ug/kg
b: For constituents where the calculated SCO was lower than the contract required quantitation limit (CRQL), the CRQL is used as the Track 1 SCO value
b1: The SCOs for commercial use were capped at a maximum value of 500,000 ug/kg
c: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 1 SCO value for this use of the site
c1: The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1,000,000
i: This SCO is for the sum of endosulfan I, endosulfan II, and endosulfan sulfate.
----: not established

**TABLE 1c (continued).**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SURFACE SOIL SAMPLE RESULTS - FEBRUARY 2008**
**PESTICIDES/POLYCHLORINATED BIPHENYLS**

| Sample Identification | SSRI-16 (0.5-1.0) | SSRI-17 (0.5-1.0) | SSRI-18 (0.5-1.0) | SSRI-19 (0.5-1.0) | SSRI-20 (0.5-1.0) | Contract Required Detection Limit | Unrestricted Use Soil Cleanup Objectives[1] | Restricted Use Soil Cleanup Objectives[2] | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 2/22/2008 | 2/22/2008 | 2/22/2008 | 2/22/2008 | 2/22/2008 | | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | 0.5-1.0 | 0.5-1.0 | 0.5-1.0 | 0.5-1.0 | 0.5-1.0 | | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 1.0 | 10.0 | 10.0 | 1.0 | 1.0 | | | | | | |
| Percent Moisture | 22 | 21 | 22 | 28 | 16 | | | | | | |
| Units | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) |
| alpha-BHC | U | U | 2.8 P | U | U | 0.05 | 20 | 97 | 480 | 3,400 | 20 |
| beta-BHC | U | U | U | U | U | 0.05 | 36 | 72 | 360 | 3000 | 90 |
| delta-BHC | U | U | U | U | U | 0.05 | 40 | 100,000[a] | 100,000[a] | 500,000[b1] | 250 |
| gamma-BHC (Lindane) | U | U | U | U | U | 0.05 | ---- | ---- | ---- | ---- | ---- |
| Heptachlor | U | U | U | U | U | 0.05 | 42 | 420 | 2,100 | 15,000 | 380 |
| Aldrin | U | 1.4 JP | U | U | U | 0.05 | 5[e] | 19 | 97 | 680 | 190 |
| Heptachlor Epoxide | U | U | U | U | 0.99 JP | 0.05 | ---- | ---- | ---- | ---- | ---- |
| Endosulfan I | 15 P | 3.9 P | 6.4 P | 1.6 J | U | 0.05 | 2,400 | 4,800[i] | 24,000[i] | 200,000[i] | 102,000 |
| Dieldrin | U | U | U | U | U | 0.10 | 5[e] | 39 | 200 | 1,400 | 100 |
| 4,4'-DDE | 21 P | 160 DP | 47 P | 4.3 JP | 12 P | 0.10 | 3.3[b] | 1,800 | 8,900 | 62,000 | 17,000 |
| Endrin | U | U | U | U | U | 0.10 | 14 | 2,200 | 11,000 | 89,000 | 60 |
| Endosulfan II | U | U | U | U | U | 0.10 | 2,400 | 4,800[i] | 24,000[i] | 200,000[i] | 102,000 |
| 4,4'-DDD | 2.3 JP | 18 P | U | 4.1 JP | U | 0.10 | 3.3[b] | 2,600 | 13,000 | 92,000 | 14,000 |
| Endosulfan Sulfate | 6.9 | 120 DP | 79 DP | 12 P | 18 P | 0.10 | 2,400 | 4,800[i] | 24,000[i] | 200,000[i] | 1,000,000[c1] |
| 4,4'-DDT | U | U | U | 43 P | U | 0.10 | 3.3[b] | 1,700 | 7,900 | 47,000 | 136,000 |
| Methoxychlor | U | 27 P | 24 P | U | U | 0.50 | ---- | ---- | ---- | ---- | ---- |
| Endrin Ketone | U | 3.6 JP | 8.1 P | 5.6 P | 4.4 P | 0.10 | ---- | ---- | ---- | ---- | ---- |
| Endrin Aldehyde | U | 170 DP | 32 P | 14 P | 16 P | 0.10 | ---- | ---- | ---- | ---- | ---- |
| alpha-Chlordane | 25 P | U | 8.3 P | 6.1 | U | 0.05 | 94 | 910 | 4,200 | 24,000 | 2,900 |
| gamma-Chlordane | 17 | 70 DP | 26 P | 5.9 P | 5.9 P | 0.05 | ---- | ---- | ---- | ---- | ---- |
| Toxaphene | U | U | U | U | U | 5.0 | ---- | ---- | ---- | ---- | ---- |
| Aroclor-1016 | U | U | U | U | U | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1221 | U | U | U | U | U | 2.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1232 | U | U | U | U | U | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1242 | U | U | U | U | U | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1248 | 310 | **3800 DP** | **1000 P** | 110 | 190 P | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1254 | 270 P | U | U | U | U | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1260 | U | **4400 D** | **1300 P** | 390 | 590 P | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| **Total Pesticides** | 87.2 | 573.9 | 233.6 | 96.6 | 57.29 | | | | | | |
| **Total PCBs** | 580 | 8,200 | 2,300 | 500 | 780 | | | | | | |

QUALIFIERS:
P: Greater than 25% difference between columns.B
D: Result taken from a reanalysis at a secondary dilution
J: Compound found at a concentration below the CRDL, value estimated
U: Compound analyzed for but not detected

Indicates the value exceeds the NYSDEC Commercial SCO

NOTES:
All concentrations are in micrograms per kilogram (ug/kg) or parts per billion (ppb
1: 6 NYCRR PART 375 - Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives (SCOs)
2: 6 NYCRR PART 375 - Table 375-6.8(b): Restricted Use SCOs
a: The SCOs for unrestricted use, residential, restricted-residential and ecological resources use were capped at a maximum value of 100,000 ug/kg
b: For constituents where the calculated SCO was lower than the contract required quantitation limit (CRQL), the CRQL is used as the Track 1 SCO value
b1: The SCOs for commercial use were capped at a maximum value of 500,000 ug/kg
c: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 1 SCO value for this use of the site
c1: The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1,000,000
i: This SCO is for the sum of endosulfan I, endosulfan II, and endosulfan sulfate.
----: not established

**TABLE 1c (continued).**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SURFACE SOIL SAMPLE RESULTS - FEBRUARY 2008**
**PESTICIDES/POLYCHLORINATED BIPHENYLS**

| Sample Identification | SSRI-1 (1.5-2.0) | SSRI-2 (1.5-2.0) | SSRI-3 (1.5-2.0) | SSRI-4 (1.5-2.0) | SSRI-5 (1.5-2.0) | Contract Required Detection Limit | Unrestricted Use Soil Cleanup Objectives[1] | Restricted Use Soil Cleanup Objectives[2] | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 2/5/2008 | 2/5/2008 | 2/5/2008 | 2/5/2008 | 2/5/2008 | | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | |
| Percent Moisture | 23 | 22 | 17 | 30 | 27 | | | | | | |
| Units | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) |
| alpha-BHC | U | U | U | U | U | 0.05 | 20 | 97 | 480 | 3,400 | 20 |
| beta-BHC | U | U | U | U | U | 0.05 | 36 | 72 | 360 | 3000 | 90 |
| delta-BHC | U | U | U | U | U | 0.05 | 40 | 100,000[a] | 100,000[a] | 500,000[b1] | 250 |
| gamma-BHC (Lindane) | U | U | U | U | U | 0.05 | ---- | ---- | ---- | ---- | ---- |
| Heptachlor | U | U | U | U | U | 0.05 | 42 | 420 | 2,100 | 15,000 | 380 |
| Aldrin | U | U | U | U | U | 0.05 | 5[e] | 19 | 97 | 680 | 190 |
| Heptachlor Epoxide | U | U | U | U | U | 0.05 | ---- | ---- | ---- | ---- | ---- |
| Endosulfan I | U | U | U | U | 2.8 P | 0.05 | 2,400 | 4,800[i] | 24,000[i] | 200,000[i] | 102,000 |
| Dieldrin | U | U | U | U | 12 | 0.10 | 5[e] | 39 | 200 | 1,400 | 100 |
| 4,4'-DDE | U | 3.2 JP | U | U | 9.9 P | 0.10 | 3.3[b] | 1,800 | 8,900 | 62,000 | 17,000 |
| Endrin | U | 2.5 JP | U | U | 23 P | 0.10 | 14 | 2,200 | 11,000 | 89,000 | 60 |
| Endosulfan II | U | U | U | U | 6.7 P | 0.10 | 2,400 | 4,800[i] | 24,000[i] | 200,000[i] | 102,000 |
| 4,4'-DDD | U | U | U | U | U | 0.10 | 3.3[b] | 2,600 | 13,000 | 92,000 | 14,000 |
| Endosulfan Sulfate | U | 4.1 JP | U | U | 16 P | 0.10 | 2,400 | 4,800[i] | 24,000[i] | 200,000[i] | 1,000,000[c1] |
| 4,4'-DDT | U | U | U | U | U | 0.10 | 3.3[b] | 1,700 | 7,900 | 47,000 | 136,000 |
| Methoxychlor | U | U | U | U | U | 0.50 | ---- | ---- | ---- | ---- | ---- |
| Endrin Ketone | 3.2 JP | U | U | U | U | 0.10 | ---- | ---- | ---- | ---- | ---- |
| Endrin Aldehyde | U | U | U | U | U | 0.10 | ---- | ---- | ---- | ---- | ---- |
| alpha-Chlordane | U | U | U | U | U | 0.05 | 94 | 910 | 4,200 | 24,000 | 2,900 |
| gamma-Chlordane | U | 2.3 P | U | U | 15 P | 0.05 | ---- | ---- | ---- | ---- | ---- |
| Toxaphene | U | U | U | U | U | 5.0 | ---- | ---- | ---- | ---- | ---- |
| Aroclor-1016 | U | U | U | U | U | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1221 | U | U | U | U | U | 2.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1232 | U | U | U | U | U | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1242 | U | U | U | U | **1600** | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1248 | U | U | U | U | U | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1254 | U | 130 P | U | U | U | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1260 | U | U | U | U | U | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| **Total Pesticides** | 3.2 | 12.1 | 0 | 0 | 85.4 | | | | | | |
| **Total PCBs** | 0 | 130 | 0 | 0 | 1,600 | | | | | | |

QUALIFIERS:
P: Greater than 25% difference between columns.B
D: Result taken from a reanalysis at a secondary dilution
J: Compound found at a concentration below the CRDL, value estimated
U: Compound analyzed for but not detected

Indicates the value exceeds the NYSDEC Commercial SCO

NOTES:
All concentrations are in micrograms per kilogram (ug/kg) or parts per billion (ppb
1: 6 NYCRR PART 375 - Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives (SCOs)
2: 6 NYCRR PART 375 - Table 375-6.8(b): Restricted Use SCOs
a: The SCOs for unrestricted use, residential, restricted-residential and ecological resources use were capped at a maximum value of 100,000 ug/kg
b: For constituents where the calculated SCO was lower than the contract required quantitation limit (CRQL), the CRQL is used as the Track 1 SCO value
b1: The SCOs for commercial use were capped at a maximum value of 500,000 ug/kg
c: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 1 SCO value for this use of the site
c1: The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1,000,000
i: This SCO is for the sum of endosulfan I, endosulfan II, and endosulfan sulfate.
----: not established

**TABLE 1c (continued).**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SURFACE SOIL SAMPLE RESULTS - FEBRUARY 2008**
**PESTICIDES/POLYCHLORINATED BIPHENYLS**

| Sample Identification | SSRI-6 (1.5-2.0) | SSRI-7 (1.5-2.0) | SSRI-8 (1.5-2.0) | SSRI-9 (1.5-2.0) | SSRI-10 (1.5-2.0) | Contract Required Detection Limit | Unrestricted Use Soil Cleanup Objectives[1] | Restricted Use Soil Cleanup Objectives[2] | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 2/5/2008 | 2/5/2008 | 2/6/2008 | 2/6/2008 | 2/22/2008 | | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | |
| Percent Moisture | 10 | 15 | 26 | 22 | 25 | | | | | | |
| Units | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) |
| alpha-BHC | U | U | U | U | U | 0.05 | 20 | 97 | 480 | 3,400 | 20 |
| beta-BHC | U | U | U | U | U | 0.05 | 36 | 72 | 360 | 3000 | 90 |
| delta-BHC | U | U | U | U | U | 0.05 | 40 | 100,000[a] | 100,000[a] | 500,000[b1] | 250 |
| gamma-BHC (Lindane) | U | U | U | U | U | 0.05 | ---- | ---- | ---- | ---- | ---- |
| Heptachlor | U | U | U | 1.6 JP | U | 0.05 | 42 | 420 | 2,100 | 15,000 | 380 |
| Aldrin | U | U | U | U | U | 0.05 | 5[e] | 19 | 97 | 680 | 190 |
| Heptachlor Epoxide | U | U | U | 3.1 | U | 0.05 | ---- | ---- | ---- | ---- | ---- |
| Endosulfan I | U | U | U | 1.7 J | 1.2 JP | 0.05 | 2,400 | 4,800[i] | 24,000[i] | 200,000[i] | 102,000 |
| Dieldrin | U | U | U | U | U | 0.10 | 5[e] | 39 | 200 | 1,400 | 100 |
| 4,4'-DDE | U | 3.3 JP | 3.9 JP | 3.1 JP | U | 0.10 | 3.3[b] | 1,800 | 8,900 | 62,000 | 17,000 |
| Endrin | U | 9.9 | 8.4 P | U | 2.8 JP | 0.10 | 14 | 2,200 | 11,000 | 89,000 | 60 |
| Endosulfan II | U | U | U | U | U | 0.10 | 2,400 | 4,800[i] | 24,000[i] | 200,000[i] | 102,000 |
| 4,4'-DDD | U | 4.7 P | 5.0 P | 5.3 | 7.9 P | 0.10 | 3.3[b] | 2,600 | 13,000 | 92,000 | 14,000 |
| Endosulfan Sulfate | U | U | U | U | 14 P | 0.10 | 2,400 | 4,800[i] | 24,000[i] | 200,000[i] | 1,000,000[c1] |
| 4,4'-DDT | U | U | 30 | U | U | 0.10 | 3.3[b] | 1,700 | 7,900 | 47,000 | 136,000 |
| Methoxychlor | U | U | U | U | 79 | 0.50 | ---- | ---- | ---- | ---- | ---- |
| Endrin Ketone | U | 2.2 JP | 8.3 P | U | 3.8 JP | 0.10 | ---- | ---- | ---- | ---- | ---- |
| Endrin Aldehyde | U | U | U | U | 6.1 P | 0.10 | ---- | ---- | ---- | ---- | ---- |
| alpha-Chlordane | U | U | U | U | U | 0.05 | 94 | 910 | 4,200 | 24,000 | 2,900 |
| gamma-Chlordane | U | 7.5 | U | U | U | 0.05 | ---- | ---- | ---- | ---- | ---- |
| Toxaphene | U | U | U | U | U | 5.0 | ---- | ---- | ---- | ---- | ---- |
| Aroclor-1016 | U | U | U | U | U | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1221 | U | U | U | U | U | 2.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1232 | U | U | U | U | U | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1242 | U | U | U | U | U | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1248 | U | U | U | U | U | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1254 | U | 180 P | U | U | 160 | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1260 | U | U | U | U | U | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| **Total Pesticides** | 0 | 27.6 | 55.6 | 14.8 | 114.8 | | | | | | |
| **Total PCBs** | 0 | 180 | 0 | 0 | 160 | | | | | | |

QUALIFIERS:
P: Greater than 25% difference between columns.B
D: Result taken from a reanalysis at a secondary dilution
J: Compound found at a concentration below the CRDL, value estimated
U: Compound analyzed for but not detected

Indicates the value exceeds the NYSDEC Commercial SCO

NOTES:
All concentrations are in micrograms per kilogram (ug/kg) or parts per billion (ppb
1: 6 NYCRR PART 375 - Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives (SCOs)
2: 6 NYCRR PART 375 - Table 375-6.8(b): Restricted Use SCOs
a: The SCOs for unrestricted use, residential, restricted-residential and ecological resources use were capped at a maximum value of 100,000 ug/kg
b: For constituents where the calculated SCO was lower than the contract required quantitation limit (CRQL), the CRQL is used as the Track 1 SCO value
b1: The SCOs for commercial use were capped at a maximum value of 500,000 ug/kg
c: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 1 SCO value for this use of the site
c1: The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1,000,000
i: This SCO is for the sum of endosulfan I, endosulfan II, and endosulfan sulfate.
----: not established

**TABLE 1c (continued).**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SURFACE SOIL SAMPLE RESULTS - FEBRUARY 2008**
**PESTICIDES/POLYCHLORINATED BIPHENYLS**

| Sample Identification | SSRI-11 (1.5-2.0) | SSRI-12 (1.5-2.0) | SSRI-13 (1.5-2.0) | SSRI-14 (1.5-2.0) | SSRI-15 (1.5-2.0) | Contract Required Detection Limit | Unrestricted Use Soil Cleanup Objectives[1] | Restricted Use Soil Cleanup Objectives[2] | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 2/22/2008 | 2/6/2008 | 2/6/2008 | 2/6/2008 | 2/6/2008 | | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 1.0 | 1.0 | 1.0 | 1.0 | 5.0 | | | | | | |
| Percent Moisture | 15 | 27 | 8 | 20 | 18 | | | | | | |
| Units | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) |
| alpha-BHC | U | U | U | U | U | 0.05 | 20 | 97 | 480 | 3,400 | 20 |
| beta-BHC | U | U | U | U | U | 0.05 | 36 | 72 | 360 | 3000 | 90 |
| delta-BHC | U | U | U | U | U | 0.05 | 40 | 100,000[a] | 100,000[a] | 500,000[b1] | 250 |
| gamma-BHC (Lindane) | U | U | U | U | U | 0.05 | ---- | ---- | ---- | ---- | ---- |
| Heptachlor | U | U | U | U | U | 0.05 | 42 | 420 | 2,100 | 15,000 | 380 |
| Aldrin | U | U | U | U | U | 0.05 | 5[e] | 19 | 97 | 680 | 190 |
| Heptachlor Epoxide | U | U | U | U | U | 0.05 | ---- | ---- | ---- | ---- | ---- |
| Endosulfan I | U | U | U | U | U | 0.05 | 2,400 | 4,800[i] | 24,000[i] | 200,000[i] | 102,000 |
| Dieldrin | U | U | 3.8 P | U | U | 0.10 | 5[e] | 39 | 200 | 1,400 | 100 |
| 4,4'-DDE | U | 6.2 P | 3.3 JP | U | 4.8 P | 0.10 | 3.3[b] | 1,800 | 8,900 | 62,000 | 17,000 |
| Endrin | 2.3 JP | U | 6.6 | U | 20 P | 0.10 | 14 | 2,200 | 11,000 | 89,000 | 60 |
| Endosulfan II | U | U | U | U | U | 0.10 | 2,400 | 4,800[i] | 24,000[i] | 200,000[i] | 102,000 |
| 4,4'-DDD | U | U | U | U | 40 | 0.10 | 3.3[b] | 2,600 | 13,000 | 92,000 | 14,000 |
| Endosulfan Sulfate | U | 3.9 JP | U | 3.3 JP | U | 0.10 | 2,400 | 4,800[i] | 24,000[i] | 200,000[i] | 1,000,000[c1] |
| 4,4'-DDT | U | U | 15 P | 5.7 P | U | 0.10 | 3.3[b] | 1,700 | 7,900 | 47,000 | 136,000 |
| Methoxychlor | U | U | U | U | U | 0.50 | ---- | ---- | ---- | ---- | ---- |
| Endrin Ketone | 2.4 JP | 0.44 JP | U | U | 7.6 P | 0.10 | ---- | ---- | ---- | ---- | ---- |
| Endrin Aldehyde | U | 2.8 JP | U | 3.8 JP | U | 0.10 | ---- | ---- | ---- | ---- | ---- |
| alpha-Chlordane | U | U | U | U | U | 0.05 | 94 | 910 | 4,200 | 24,000 | 2,900 |
| gamma-Chlordane | U | 2.1 JP | U | U | 9.7 | 0.05 | ---- | ---- | ---- | ---- | ---- |
| Toxaphene | U | U | U | U | U | 5.0 | ---- | ---- | ---- | ---- | ---- |
| Aroclor-1016 | U | U | U | U | U | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1221 | U | U | U | U | U | 2.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1232 | U | U | U | U | U | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1242 | U | U | U | U | U | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1248 | U | U | U | U | U | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1254 | U | 340 | U | 160 P | U | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1260 | U | U | U | U | U | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| **Total Pesticides** | 4.7 | 15.44 | 28.7 | 12.8 | 82.1 | | | | | | |
| **Total PCBs** | 0 | 340 | 0 | 160 | 0 | | | | | | |

QUALIFIERS:
P: Greater than 25% difference between columns.B
D: Result taken from a reanalysis at a secondary dilution
J: Compound found at a concentration below the CRDL, value estimated
U: Compound analyzed for but not detected

Indicates the value exceeds the NYSDEC Commercial SCO

NOTES:
All concentrations are in micrograms per kilogram (ug/kg) or parts per billion (ppb
1: 6 NYCRR PART 375 - Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives (SCOs)
2: 6 NYCRR PART 375 - Table 375-6.8(b): Restricted Use SCOs
a: The SCOs for unrestricted use, residential, restricted-residential and ecological resources use were capped at a maximum value of 100,000 ug/kg
b: For constituents where the calculated SCO was lower than the contract required quantitation limit (CRQL), the CRQL is used as the Track 1 SCO value
b1: The SCOs for commercial use were capped at a maximum value of 500,000 ug/kg
c: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 1 SCO value for this use of the site
c1: The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1,000,000
i: This SCO is for the sum of endosulfan I, endosulfan II, and endosulfan sulfate.
----: not established

**TABLE 1c (continued).**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SURFACE SOIL SAMPLE RESULTS - FEBRUARY 2008**
**PESTICIDES/POLYCHLORINATED BIPHENYLS**

| Sample Identification | SSRI-16 (1.5-2.0 | SSRI-17 (1.5-2.0 | SSRI-18 (1.5-2.0 | SSRI-19 (1.5-2.0 | SSRI-20 (1.5-2.0) | Contract Required Detection Limit | Unrestricted Use Soil Cleanup Objectives[1] | Restricted Use Soil Cleanup Objectives[2] | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 2/22/2008 | 2/22/2008 | 2/22/2008 | 2/22/2008 | 2/22/2008 | | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 1.0 | 10.0 | 1.0 | 1.0 | 10.0 | | | | | | |
| Percent Moisture | 13 | 17 | 14 | 17 | 26 | | | | | | |
| Units | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) |
| alpha-BHC | U | U | U | U | U | 0.05 | 20 | 97 | 480 | 3,400 | 20 |
| beta-BHC | U | U | U | U | U | 0.05 | 36 | 72 | 360 | 3000 | 90 |
| delta-BHC | U | U | U | U | U | 0.05 | 40 | 100,000[a] | 100,000[a] | 500,000[b1] | 250 |
| gamma-BHC (Lindane) | U | U | U | U | U | 0.05 | ---- | ---- | ---- | ---- | ---- |
| Heptachlor | U | U | U | U | U | 0.05 | 42 | 420 | 2,100 | 15,000 | 380 |
| Aldrin | U | U | U | U | 1.8 JP | 0.05 | 5[e] | 19 | 97 | 680 | 190 |
| Heptachlor Epoxide | U | U | U | U | U | 0.05 | ---- | ---- | ---- | ---- | ---- |
| Endosulfan I | U | U | U | U | 3.9 P | 0.05 | 2,400 | 4,800[i] | 24,000[i] | 200,000[i] | 102,000 |
| Dieldrin | U | 27 P | U | U | U | 0.10 | 5[e] | 39 | 200 | 1,400 | 100 |
| 4,4'-DDE | U | 21 P | 12 | U | 180 DP | 0.10 | 3.3[b] | 1,800 | 8,900 | 62,000 | 17,000 |
| Endrin | U | 11 P | 6.4 P | U | U | 0.10 | 14 | 2,200 | 11,000 | 89,000 | 60 |
| Endosulfan II | U | U | U | U | U | 0.10 | 2,400 | 4,800[i] | 24,000[i] | 200,000[i] | 102,000 |
| 4,4'-DDD | U | U | U | U | 21 P | 0.10 | 3.3[b] | 2,600 | 13,000 | 92,000 | 14,000 |
| Endosulfan Sulfate | U | U | 13 P | 3.1 JP | 150 DP | 0.10 | 2,400 | 4,800[i] | 24,000[i] | 200,000[i] | 1,000,000[c1] |
| 4,4'-DDT | U | 33 P | 19 P | 2.0 JP | U | 0.10 | 3.3[b] | 1,700 | 7,900 | 47,000 | 136,000 |
| Methoxychlor | U | U | U | U | 37 P | 0.50 | ---- | ---- | ---- | ---- | ---- |
| Endrin Ketone | U | U | U | U | U | 0.10 | ---- | ---- | ---- | ---- | ---- |
| Endrin Aldehyde | U | U | U | 2.2 JP | 200 DP | 0.10 | ---- | ---- | ---- | ---- | ---- |
| alpha-Chlordane | U | U | U | U | U | 0.05 | 94 | 910 | 4,200 | 24,000 | 2,900 |
| gamma-Chlordane | 2.4 P | U | U | U | 72 DP | 0.05 | ---- | ---- | ---- | ---- | ---- |
| Toxaphene | U | U | U | U | U | 5.0 | ---- | ---- | ---- | ---- | ---- |
| Aroclor-1016 | U | U | U | U | U | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1221 | U | U | U | U | U | 2.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1232 | U | U | U | U | U | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1242 | U | U | U | U | U | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1248 | U | 250 | U | U | **5000 DP** | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1254 | U | U | U | U | U | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1260 | U | U | U | 95 P | **5800 D** | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| **Total Pesticides** | 2.4 | 92 | 50.4 | 7.3 | 665.7 | | | | | | |
| **Total PCBs** | 0 | 250 | 0 | 95 | 10,800 | | | | | | |

QUALIFIERS:
P: Greater than 25% difference between columns.B
D: Result taken from a reanalysis at a secondary dilution
J: Compound found at a concentration below the CRDL, value estimated
U: Compound analyzed for but not detected

Indicates the value exceeds the NYSDEC Commercial SCO

NOTES:
All concentrations are in micrograms per kilogram (ug/kg) or parts per billion (ppb
1: 6 NYCRR PART 375 - Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives (SCOs)
2: 6 NYCRR PART 375 - Table 375-6.8(b): Restricted Use SCOs
a: The SCOs for unrestricted use, residential, restricted-residential and ecological resources use were capped at a maximum value of 100,000 ug/kg
b: For constituents where the calculated SCO was lower than the contract required quantitation limit (CRQL), the CRQL is used as the Track 1 SCO value
b1: The SCOs for commercial use were capped at a maximum value of 500,000 ug/kg
c: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 1 SCO value for this use of the site
c1: The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1,000,000
i: This SCO is for the sum of endosulfan I, endosulfan II, and endosulfan sulfate.
----: not established

**COMMERCIAL ONLY**

**TABLE 1d.**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SURFACE SOIL SAMPLE RESULTS - FEBRUARY 2008**
**INORGANICS ANALYTES**

| Sample Identification | SSRI-1 (0-0.1) | SSRI-2 (0-0.1) | SSRI-3 (0-0.1) | SSRI-4 (0-0.1) | SSRI-5 (0-0.1) | Contract Required Detection Limit | Unrestricted Use Soil Cleanup Objectives[1] | Restricted Use Soil Cleanup Objectives[2] | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 2/5/2008 | 2/5/2008 | 2/5/2008 | 2/5/2008 | 2/5/2008 | | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | 0-0.1 | 0-0.1 | 0-0.1 | 0-0.1 | 0-0.1 | | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | |
| Percent Moisture | 12 | 34 | 32 | 39 | 15 | | | | | | |
| Units | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) |
| Aluminum | 3800 | 19200 | 4190 | 5890 | 5920 | 13 | ---- | ---- | ---- | ---- | ---- |
| Antimony | 4.0 B | 20.1 | 79.7 | 127 | U | 8 | ---- | ---- | ---- | ---- | ---- |
| Arsenic | 3.1 | **40.6** | 12.6 | 12.3 | 4.9 | 3 | 13[c] | 16[ŧ] | 16[ŧ] | 16[ŧ] | 16[ŧ] |
| Barium | 159 | **2550** | 388 | **691** | 109 | 1 | 350[c] | 350[f] | 400 | 400 | 820 |
| Beryllium | 0.17 B | 0.40 B | 0.047 B | 0.50 B | 0.26 B | 1 | 7.2 | 14 | 72 | 590 | 47 |
| Cadmium | 3.1 | **34.8** | **61.0** | 5.8 | 3.3 | 1 | 2.5[c] | 2.5[f] | 4.3 | 9.3 | 7.5 |
| Calcium | 199000 | 40700 | 70700 | 50400 | 234000 | 8 | ---- | ---- | ---- | ---- | ---- |
| Chromium* | 24.3 | 375 | 58.3 | 30.9 | 35.3 | 1 | 30[c] | 36 | 180 | 1,500 | ---- |
| Cobalt | 3.3 B | 23.1 | 6.0 B | 7.3 B | 5.9 B | 2 | ---- | ---- | ---- | ---- | ---- |
| Copper | **581** | **4260** | **681000** | **3730** | **607** | 1 | 50 | 270 | 270 | 270 | 1,720 |
| Iron | 20700 | 211000 | 31300 | 27800 | 21300 | 20 | ---- | ---- | ---- | ---- | ---- |
| Lead | 224 | **3640** | **19100** | **1490** | 218 | 2 | 63[c] | 400 | 400 | 1,000 | 450 |
| Magnesium | 32900 | 8610 | 1720 | 8700 | 16100 | 8 | ---- | ---- | ---- | ---- | ---- |
| Manganese | 327 | 1400 | 226 | 320 | 369 | 4 | 1,600[c] | 2,000[f] | 2,000[f] | 10,000[d] | 2,000[f] |
| Mercury | **9.3** | **230** | **26.8** | 2.8 | 1.3 | 0.2 | 0.18[c] | 0.81[j] | 0.81[j] | 2.8[j] | 0.73 |
| Nickel | 30.0 | 275 | 226 | 123 | 45.0 | 2 | 30 | 140 | 310 | 310 | 130 |
| Potassium | 597 B | 662 B | 163 B | 892 B | 904 | 20 | ---- | ---- | ---- | ---- | ---- |
| Selenium | 6.9 | U | U | 1.6 | 4.8 | 4 | 3.9[c] | 36 | 180 | 1,500 | 4[f] |
| Silver | 7.0 | U | 45.9 | U | 4.9 | 1 | 2 | 36 | 180 | 1,500 | 8.3 |
| Sodium | 396 B | 592 B | 346 B | 368 B | 295 B | 9 | ---- | ---- | ---- | ---- | ---- |
| Thallium | U | 15.0 | 7.4 | 2.9 | U | 5 | ---- | ---- | ---- | ---- | ---- |
| Vanadium | 39.5 | 79.1 | 1.5 B | 20.9 | 20.2 | 1 | ---- | ---- | ---- | ---- | ---- |
| Zinc | 926 | **10300** | **389000** | 2550 | 734 | 1 | 109[c] | 2,200 | 10,000[d] | 10,000[d] | 2,480 |
| Cyanide | 1.3 | 4.0 | 1.8 | 0.96 | 0.019 | 2.0 | 27 | 27 | 27 | 27 | 40 |

QUALIFIERS:
B: Compound found in the method blank as well as the sample
U: Compound analyzed for but not detected

Indicates the value exceeds the NYSDEC Commercial SCO

NOTES:
All concentrations are in micrograms per kilogram (mg/kg) or parts per million (ppm
1: 6 NYCRR PART 375 - Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives (SCOs)
2: 6 NYCRR PART 375 - Table 375-6.8(b): Restricted Use SCOs
c: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 1
d: The SCOs for metals were capped at a maximum value of 10,000 ppm
f: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site
j: This SCO is the lower of the values for mercury (elemental) or mercury (inorganic salts)
*: This SCO is the higher of the values for chromium (trivalent) SCO value for this use of the site
----: not established

**TABLE 1d (continued).**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SURFACE SOIL SAMPLE RESULTS - FEBRUARY 2008**
**INORGANICS ANALYTES**

| Sample Identification | SSRI-6 (0-0.1) | SSRI-7 (0-0.1) | SSRI-8 (0-0.1) | SSRI-9 (0-0.1) | SSRI-10 (0-0.1) | Contract Required Detection Limit | Unrestricted Use Soil Cleanup Objectives[1] | Restricted Use Soil Cleanup Objectives[2] | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 2/5/2008 | 2/5/2008 | 2/6/2008 | 2/6/2008 | 2/22/2008 | | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | 0-0.1 | 0-0.1 | 0-0.1 | 0-0.1 | 0-0.1 | | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | |
| Percent Moisture | 30 | 23 | 14 | 26 | 28 | | | | | | |
| Units | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) |
| Aluminum | 12700 | 11600 | 5560 | 2790 | 13800 | 13 | ---- | ---- | ---- | ---- | ---- |
| Antimony | U | 5.5 B | U | 0.58 B | 6.5 B | 8 | ---- | ---- | ---- | ---- | ---- |
| Arsenic | **29.3** | **35.1** | 13.6 | 4.7 | 10.1 | 3 | 13[c] | 16[ŧ] | 16[ŧ] | 16[ŧ] | 16[ŧ] |
| Barium | **674** | **1220** | 387 | 369 | 154 | 1 | 350[c] | 350[f] | 400 | 400 | 820 |
| Beryllium | 0.54 B | 0.72 B | 0.22 B | 0.25 B | 0.27 B | 1 | 7.2 | 14 | 72 | 590 | 47 |
| Cadmium | **17.9** | **15.2** | **17.8** | 4.9 | 7.0 | 1 | 2.5[c] | 2.5[f] | 4.3 | 9.3 | 7.5 |
| Calcium | 150000 | 57900 | 82000 | 20400 | 173000 | 8 | ---- | ---- | ---- | ---- | ---- |
| Chromium* | 747 | 167 | 604 | 29.4 | 69.6 | 1 | 30[c] | 36 | 180 | 1,500 | ---- |
| Cobalt | 24.0 | 16.8 | 11.0 | 5.7 B | 11.8 | 2 | ---- | ---- | ---- | ---- | ---- |
| Copper | **28000** | **3870** | **2900** | **1340** | **1730** | 1 | 50 | 270 | 270 | 270 | 1,720 |
| Iron | 130000 | 99900 | 80300 | 14600 | 39500 | 20 | ---- | ---- | ---- | ---- | ---- |
| Lead | **2240** | **1780** | 956 | 548 | 363 | 2 | 63[c] | 400 | 400 | 1,000 | 450 |
| Magnesium | 8150 | 9850 | 13000 | 3870 | 12300 | 8 | ---- | ---- | ---- | ---- | ---- |
| Manganese | 1520 | 869 | 622 | 284 | 499 | 4 | 1,600[c] | 2,000[f] | 2,000[f] | 10,000[d] | 2,000[f] |
| Mercury | **110** | **184** | **73.7** | **3.7** | **5.8** | 0.2 | 0.18[c] | 0.81[j] | 0.81[j] | 2.8[j] | 0.73 |
| Nickel | **467** | 202 | 165 | 30.3 | 82.7 | 2 | 30 | 140 | 310 | 310 | 130 |
| Potassium | 652 B | 787 B | 619 B | 1440 | 711 B | 20 | ---- | ---- | ---- | ---- | ---- |
| Selenium | U | U | U | 1.5 | 1.1 | 4 | 3.9[c] | 36 | 180 | 1,500 | 4[f] |
| Silver | U | U | U | U | 3.8 | 1 | 2 | 36 | 180 | 1,500 | 8.3 |
| Sodium | 419 B | 464 B | 661 B | 315 B | 170 B | 9 | ---- | ---- | ---- | ---- | ---- |
| Thallium | 19.2 | 8.7 | 5.1 | 0.87 B | 4.2 | 5 | ---- | ---- | ---- | ---- | ---- |
| Vanadium | 59.1 | 55.7 | 156 | 8.3 B | 23.8 | 1 | ---- | ---- | ---- | ---- | ---- |
| Zinc | 8280 | 5950 | 3070 | 1370 | 2890 | 1 | 109[c] | 2,200 | 10,000[a] | 10,000[a] | 2,480 |
| Cyanide | 4.8 | 2.9 | 1.5 | 0.79 | 0.54 B | 2.0 | 27 | 27 | 27 | 27 | 40 |

QUALIFIERS:
B: Compound found in the method blank as well as the sample
U: Compound analyzed for but not detected

Indicates the value exceeds the NYSDEC Commercial SCO

NOTES:
All concentrations are in micrograms per kilogram (mg/kg) or parts per million (ppm
1: 6 NYCRR PART 375 - Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives (SCOs)
2: 6 NYCRR PART 375 - Table 375-6.8(b): Restricted Use SCOs
c: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 1
d: The SCOs for metals were capped at a maximum value of 10,000 ppm
f: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site
j: This SCO is the lower of the values for mercury (elemental) or mercury (inorganic salts)
*: This SCO is the higher of the values for chromium (trivalent) SCO value for this use of the site
----: not established

**TABLE 1d (continued).**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SURFACE SOIL SAMPLE RESULTS - FEBRUARY 2008**
**INORGANICS ANALYTES**

| Sample Identification | SSRI-11 (0-0.1) | SSRI-12 (0-0.1) | SSRI-13 (0-0.1) | SSRI-14 (0-0.1) | SSRI-15 (0-0.1) | Contract Required Detection Limit | Unrestricted Use Soil Cleanup Objectives[1] | Restricted Use Soil Cleanup Objectives[2] | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 2/6/2008 | 2/6/2008 | 2/6/2008 | 2/6/2008 | 2/6/2008 | | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | 0-0.1 | 0-0.1 | 0-0.1 | 0-0.1 | 0-0.1 | | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | |
| Percent Moisture | 21 | 24 | 49 | 32 | 29 | | | | | | |
| Units | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) |
| Aluminum | 4490 | 13200 | 4080 | 3860 | 16200 | 13 | ---- | ---- | ---- | ---- | ---- |
| Antimony | 6.3 B | 7.0 B | 336 | 26.3 | 56.7 | 8 | ---- | ---- | ---- | ---- | ---- |
| Arsenic | **19.4** | **27.5** | 3.4 | 12.6 | **29.9** | 3 | 13[c] | 16[f] | 16[f] | 16[f] | 16[f] |
| Barium | **806** | **1100** | **1130** | **628** | **1320** | 1 | 350[c] | 350[f] | 400 | 400 | 820 |
| Beryllium | 0.30 B | 0.53 B | 0.30 B | 0.20 B | 0.40 B | 1 | 7.2 | 14 | 72 | 590 | 47 |
| Cadmium | **33.5** | **39.6** | **80.5** | **57.0** | **48.1** | 1 | 2.5[c] | 2.5[f] | 4.3 | 9.3 | 7.5 |
| Calcium | 29500 | 46800 | 9050 | 884 B | 42600 | 8 | ---- | ---- | ---- | ---- | ---- |
| Chromium* | 89.4 | 458 | 934 | 254 | 179 | 1 | 30[c] | 36 | 180 | 1,500 | ---- |
| Cobalt | 14.7 | 21.0 | 26.4 | 26.6 | 20.7 | 2 | ---- | ---- | ---- | ---- | ---- |
| Copper | **1940** | **3700** | **6300** | **14400** | **9520** | 1 | 50 | 270 | 270 | 270 | 1,720 |
| Iron | 168000 | 153000 | 289000 | 244000 | 164000 | 20 | ---- | ---- | ---- | ---- | ---- |
| Lead | **2250** | **3250** | 877 | **2780** | **3710** | 2 | 63[c] | 400 | 400 | 1,000 | 450 |
| Magnesium | 7240 | 9590 | 4110 | 1640 | 9730 | 8 | ---- | ---- | ---- | ---- | ---- |
| Manganese | 990 | 1270 | 1830 | 1500 | 1200 | 4 | 1,600[c] | 2,000[f] | 2,000[f] | 10,000[d] | 2,000[f] |
| Mercury | **22.0** | **438** | **8.5** | **9.5** | **29.5** | 0.2 | 0.18[c] | 0.81[j] | 0.81[j] | 2.8[j] | 0.73 |
| Nickel | 97.5 | 239 | **610** | 275 | 192 | 2 | 30 | 140 | 310 | 310 | 130 |
| Potassium | 470 B | 534 B | 678 B | 245 B | 459 | 20 | ---- | ---- | ---- | ---- | ---- |
| Selenium | U | U | U | U | U | 4 | 3.9[c] | 36 | 180 | 1,500 | 4[f] |
| Silver | U | U | U | U | U | 1 | 2 | 36 | 180 | 1,500 | 8.3 |
| Sodium | 581 B | 419 B | 573 B | 309 B | 548 B | 9 | ---- | ---- | ---- | ---- | ---- |
| Thallium | 12.4 | 9.1 | 18.9 | 20.9 | 14.7 | 5 | ---- | ---- | ---- | ---- | ---- |
| Vanadium | 37.7 | 88.3 | 53.6 | 55.2 | 56.5 | 1 | ---- | ---- | ---- | ---- | ---- |
| Zinc | 5850 | 6720 | 5360 | **11200** | **11800** | 1 | 109[c] | 2,200 | 10,000[d] | 10,000[d] | 2,480 |
| Cyanide | 5.9 | 7.8 | 1.4 | 5.2 | 9.6 | 2.0 | 27 | 27 | 27 | 27 | 40 |

QUALIFIERS:
B: Compound found in the method blank as well as the sample
U: Compound analyzed for but not detected

Indicates the value exceeds the NYSDEC Commercial SCO

NOTES:
All concentrations are in micrograms per kilogram (mg/kg) or parts per million (ppm
1: 6 NYCRR PART 375 - Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives (SCOs)
2: 6 NYCRR PART 375 - Table 375-6.8(b): Restricted Use SCOs
c: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 1
d: The SCOs for metals were capped at a maximum value of 10,000 ppm
f: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site
j: This SCO is the lower of the values for mercury (elemental) or mercury (inorganic salts)
*: This SCO is the higher of the values for chromium (trivalent) SCO value for this use of the site
----: not established

**COMMERCIAL ONLY**

**TABLE 1d (continued).**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SURFACE SOIL SAMPLE RESULTS - FEBRUARY 2008**
**INORGANICS ANALYTES**

| Sample Identification | SSRI-16 (0-0.1) | SSRI-17 (0-0.1 | SSRI-18 (0-0.1) | SSRI-19 (0-0.1) | SSRI-20 (0-0.1) | Contract Required Detection Limit | Unrestricted Use Soil Cleanup Objectives[1] | Restricted Use Soil Cleanup Objectives[2] | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 2/22/2008 | 2/22/2008 | 2/22/2008 | 2/22/2008 | 2/22/2008 | | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | 0-0.1 | 0-0.1 | 0-0.1 | 0-0.1 | 0-0.1 | | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | |
| Percent Moisture | 41 | 19 | 39 | 34 | 26 | | | | | | |
| Units | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) |
| Aluminum | 6830 | 5210 | 13700 | 7240 | 6830 | 13 | ---- | ---- | ---- | ---- | ---- |
| Antimony | 90.2 | 22.1 | 6.4 B | U | 5.7 B | 8 | ---- | ---- | ---- | ---- | ---- |
| Arsenic | **17.3** | 11.1 | **20.4** | **23.3** | 4.4 | 3 | 13[c] | 16[‡] | 16[‡] | 16[‡] | 16[‡] |
| Barium | 368 | **513** | **671** | 251 | 89.5 | 1 | 350[c] | 350[f] | 400 | 400 | 820 |
| Beryllium | 0.26 B | 0.18 B | 0.28 B | 0.15 B | 0.26 B | 1 | 7.2 | 14 | 72 | 590 | 47 |
| Cadmium | **21.9** | **9.5** | **31.7** | **10.9** | 2.3 | 1 | 2.5[c] | 2.5[f] | 4.3 | 9.3 | 7.5 |
| Calcium | 18300 | 78100 | 37800 | 73900 | 147000 | 8 | ---- | ---- | ---- | ---- | ---- |
| Chromium* | 297 | 37.2 | 350 | **1560** | 25.1 | 1 | 30[c] | 36 | 180 | 1,500 | ---- |
| Cobalt | 18.4 | 8.5 | 23.4 | 26.6 | 9.2 B | 2 | ---- | ---- | ---- | ---- | ---- |
| Copper | **51100** | **596** | **2310** | **6680** | **322** | 1 | 50 | 270 | 270 | 270 | 1,720 |
| Iron | 138000 | 38200 | 191000 | 282000 | 18400 | 20 | ---- | ---- | ---- | ---- | ---- |
| Lead | **4200** | **1210** | **1800** | **1380** | 153 | 2 | 63[c] | 400 | 400 | 1,000 | 450 |
| Magnesium | 6580 | 15300 | 9920 | 7010 | 9690 | 8 | ---- | ---- | ---- | ---- | ---- |
| Manganese | 1090 | 477 | 1370 | 2510 | 407 | 4 | 1,600[c] | 2,000[f] | 2,000[f] | 10,000[d] | 2,000[f] |
| Mercury | **16.4** | **7.5** | **40.0** | **8.0** | **10.1** | 0.2 | 0.18[c] | 0.81[j] | 0.81[j] | 2.8[j] | 0.73 |
| Nickel | **501** | 44.9 | 266 | **472** | 29.5 | 2 | 30 | 140 | 310 | 310 | 130 |
| Potassium | 694 B | 807 B | 1050 B | 701 B | 1140 | 20 | ---- | ---- | ---- | ---- | ---- |
| Selenium | 4.7 | 0.83 | 0.66 | 0.88 B | U | 4 | 3.9[c] | 36 | 180 | 1,500 | 4[f] |
| Silver | 4.0 | U | U | U | 5.6 | 1 | 2 | 36 | 180 | 1,500 | 8.3 |
| Sodium | 105 B | 175 B | 217 B | 161 B | 110 B | 9 | ---- | ---- | ---- | ---- | ---- |
| Thallium | 39.8 | 4.6 | 25.9 | 34.3 | U | 5 | ---- | ---- | ---- | ---- | ---- |
| Vanadium | 54.1 | 13.1 | 51.4 | 29.1 | 13.0 | 1 | ---- | ---- | ---- | ---- | ---- |
| Zinc | 4270 | 1790 | 6280 | 2830 | 687 | 1 | 109[c] | 2,200 | 10,000[a] | 10,000[a] | 2,480 |
| Cyanide | 2.2 | 5.4 | 2.8 | 1.1 | 1.6 | 2.0 | 27 | 27 | 27 | 27 | 40 |

QUALIFIERS:
B: Compound found in the method blank as well as the sample
U: Compound analyzed for but not detected

Indicates the value exceeds the NYSDEC Commercial SCO

NOTES:
All concentrations are in micrograms per kilogram (mg/kg) or parts per million (ppm
1: 6 NYCRR PART 375 - Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives (SCOs)
2: 6 NYCRR PART 375 - Table 375-6.8(b): Restricted Use SCOs
c: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 1
d: The SCOs for metals were capped at a maximum value of 10,000 ppm
f: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site
j: This SCO is the lower of the values for mercury (elemental) or mercury (inorganic salts)
*: This SCO is the higher of the values for chromium (trivalent) SCO value for this use of the site
----: not established

**TABLE 1d (continued).**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SURFACE SOIL SAMPLE RESULTS - FEBRUARY 2008**
**INORGANICS ANALYTES**

| Sample Identification | **SSRI-1 (0.5-1.0)** | **SSRI-2 (0.5-1.0)** | **SSRI-3 (0.5-1.0)** | **SSRI-4 (0.5-1.0)** | **SSRI-5 (0.5-1.0)** | Contract Required Detection Limit | Unrestricted Use Soil Cleanup Objectives[1] | Restricted Use Soil Cleanup Objectives[2] | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 2/5/2008 | 2/5/2008 | 2/5/2008 | 2/5/2008 | 2/5/2008 | | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | 0.5-1.0 | 0.5-1.0 | 0.5-1.0 | 0.5-1.0 | 0.5-1.0 | | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | |
| Percent Moisture | 18 | 24 | 15 | 15 | 15 | | | | | | |
| Units | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) |
| Aluminum | 14700 | 12400 | 6350 | 13300 | 10200 | 13 | ---- | ---- | ---- | ---- | ---- |
| Antimony | 12.8 | 32.2 | 4.1 B | U | 6.6 B | 8 | ---- | ---- | ---- | ---- | ---- |
| Arsenic | 12.1 | **21.2** | 8.9 | 0.84 B | U | 3 | 13[c] | 16[ŧ] | 16[ŧ] | 16[ŧ] | 16[ŧ] |
| Barium | 272 | **970** | 189 | 71.9 | 109 | 1 | 350[c] | 350[f] | 400 | 400 | 820 |
| Beryllium | 0.63 B | 0.31 B | 0.50 B | 0.63 B | 0.31 B | 1 | 7.2 | 14 | 72 | 590 | 47 |
| Cadmium | 4.4 | **23.9** | 2.1 | 0.21 B | 3.9 | 1 | 2.5[c] | 2.5[f] | 4.3 | 9.3 | 7.5 |
| Calcium | 106000 | 30900 | 14000 | 65800 | 139000 | 8 | ---- | ---- | ---- | ---- | ---- |
| Chromium* | 76.3 | 220 | 18.4 | 19.2 | 270 | 1 | 30[c] | 36 | 180 | 1,500 | ---- |
| Cobalt | 8.2 B | 19.7 | 12.0 | 9.1 B | 13.5 | 2 | ---- | ---- | ---- | ---- | ---- |
| Copper | **2970** | **25000** | **350** | 28.4 | **2580** | 1 | 50 | 270 | 270 | 270 | 1,720 |
| Iron | 41700 | 170000 | 71500 | 20000 | 145000 | 20 | ---- | ---- | ---- | ---- | ---- |
| Lead | **1220** | **2830** | 889 | 16.4 | 193 | 2 | 63[c] | 400 | 400 | 1,000 | 450 |
| Magnesium | 14900 | 6060 | 4240 | 23800 | 19500 | 8 | ---- | ---- | ---- | ---- | ---- |
| Manganese | 480 | 1110 | 880 | 337 | 950 | 4 | 1,600[c] | 2,000[f] | 2,000[f] | 10,000[d] | 2,000[f] |
| Mercury | 1.4 | **31.4** | 1.6 | 0.056 B | 0.99 | 0.2 | 0.18[c] | 0.81[j] | 0.81[j] | 2.8[j] | 0.73 |
| Nickel | 76.2 | 216 | 50.0 | 28.1 | 133 | 2 | 30 | 140 | 310 | 310 | 130 |
| Potassium | 1020 | 723 B | 1060 | 2640 | 658 B | 20 | ---- | ---- | ---- | ---- | ---- |
| Selenium | U | U | U | 2.1 | U | 4 | 3.9[c] | 36 | 180 | 1,500 | 4[f] |
| Silver | U | U | U | 0.98 B | U | 1 | 2 | 36 | 180 | 1,500 | 8.3 |
| Sodium | 382 B | 363 B | 314 B | 319 | 343 B | 9 | ---- | ---- | ---- | ---- | ---- |
| Thallium | 4.2 | 22.5 | 5.7 | U | 9.3 | 5 | ---- | ---- | ---- | ---- | ---- |
| Vanadium | 43.1 | 65.0 | 29.8 | 21.4 | 24.3 | 1 | ---- | ---- | ---- | ---- | ---- |
| Zinc | 2920 | **12700** | 834 | 63.1 | 2150 | 1 | 109[c] | 2,200 | 10,000[a] | 10,000[a] | 2,480 |
| Cyanide | 0.50 B | 1.5 | 1.9 | 0.10 | 0.16 B | 2.0 | 27 | 27 | 27 | 27 | 40 |

QUALIFIERS:
B: Compound found in the method blank as well as the sample
U: Compound analyzed for but not detected

Indicates the value exceeds the NYSDEC Commercial SCO

NOTES:
All concentrations are in micrograms per kilogram (mg/kg) or parts per million (ppm
1: 6 NYCRR PART 375 - Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives (SCOs)
2: 6 NYCRR PART 375 - Table 375-6.8(b): Restricted Use SCOs
c: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 1
d: The SCOs for metals were capped at a maximum value of 10,000 ppm
f: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site
j: This SCO is the lower of the values for mercury (elemental) or mercury (inorganic salts)
*: This SCO is the higher of the values for chromium (trivalent) SCO value for this use of the site
----: not established

**COMMERCIAL ONLY**

**TABLE 1d (continued).**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SURFACE SOIL SAMPLE RESULTS - FEBRUARY 2008**
**INORGANICS ANALYTES**

| Sample Identification | SSRI-6 (0.5-1.0) | SSRI-7 (0.5-1.0) | SSRI-8 (0.5-1.0) | SSRI-9 (0.5-1.0) | SSRI-10 (0.5-1.0) | Contract Required Detection Limit | Unrestricted Use Soil Cleanup Objectives[1] | Restricted Use Soil Cleanup Objectives[2] | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 2/5/2008 | 2/5/2008 | 2/6/2008 | 2/6/2008 | 2/22/2008 | | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | 0.5-1.0 | 0.5-1.0 | 0.5-1.0 | 0.5-1.0 | 0.5-1.0 | | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | |
| Percent Moisture | 18 | 18 | 35 | 16 | 24 | | | | | | |
| Units | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) |
| Aluminum | 5820 | 11800 * | 3510 | 11700 | 53000 | 13 | ---- | ---- | ---- | ---- | ---- |
| Antimony | 5.2 B | U | U | 0.28 | 3.2 B | 8 | ---- | ---- | ---- | ---- | ---- |
| Arsenic | **54.3** | **114** | 14.0 | 2.4 | **128** | 3 | 13[c] | 16[ŧ] | 16[ŧ] | 16[ŧ] | 16[ŧ] |
| Barium | **551** | **875** | 89.9 | 79.7 | 233 | 1 | 350[c] | 350[f] | 400 | 400 | 820 |
| Beryllium | 1.2 | 0.57 B | 0.60 B | 0.61 B | 0.22 B | 1 | 7.2 | 14 | 72 | 590 | 47 |
| Cadmium | 4.3 | **22.6** | **13.0** | 0.71 B | **23.5** | 1 | 2.5[c] | 2.5[f] | 4.3 | 9.3 | 7.5 |
| Calcium | 17700 | 235000 | 12600 | 81700 | 15200 | 8 | ---- | ---- | ---- | ---- | ---- |
| Chromium* | 27.2 | 793 | 14.1 | 17.4 | 293 | 1 | 30[c] | 36 | 180 | 1,500 | ---- |
| Cobalt | 10.4 | 17.4 | 6.6 B | 8.2 | 20.2 | 2 | ---- | ---- | ---- | ---- | ---- |
| Copper | **8800** | **50600** | **501** | 37.2 | **11300** | 1 | 50 | 270 | 270 | 270 | 1,720 |
| Iron | 88500 | 85900 | 56500 | 19700 | 378000 | 20 | ---- | ---- | ---- | ---- | ---- |
| Lead | 917 | **2980** | 247 | 17.4 | 811 | 2 | 63[c] | 400 | 400 | 1,000 | 450 |
| Magnesium | 3160 | 12500 | 3960 | 23100 | 6620 | 8 | ---- | ---- | ---- | ---- | ---- |
| Manganese | 409 | 891 | 306 | 431 | 1560 | 4 | 1,600[c] | 2,000[f] | 2,000[f] | 10,000[d] | 2,000[f] |
| Mercury | 2.2 | **16.7** | 2.5 | 1.8 | **28.3** | 0.2 | 0.18[c] | 0.81[j] | 0.81[j] | 2.8[j] | 0.73 |
| Nickel | 44.2 | **504** | 22.6 | 25.8 | 245 | 2 | 30 | 140 | 310 | 310 | 130 |
| Potassium | 872 | 1090 | 559 | 1720 | 416 B | 20 | ---- | ---- | ---- | ---- | ---- |
| Selenium | U | 12.2 | U | 1.5 | U | 4 | 3.9[c] | 36 | 180 | 1,500 | 4[f] |
| Silver | U | 7.8 | U | 1.8 | U | 1 | 2 | 36 | 180 | 1,500 | 8.3 |
| Sodium | 435 B | 960 B | 341 B | 281 B | 122 B | 9 | ---- | ---- | ---- | ---- | ---- |
| Thallium | 13.1 | 25.7 | 5.4 | 0.11 | 47.8 | 5 | ---- | ---- | ---- | ---- | ---- |
| Vanadium | 31.8 | 61.0 | 17.9 | 21.1 | 36.3 | 1 | ---- | ---- | ---- | ---- | ---- |
| Zinc | 1760 | 6040 | 2240 | 64.1 | **13500** | 1 | 109[c] | 2,200 | 10,000[a] | 10,000[a] | 2,480 |
| Cyanide | 2.1 | 7.8 | 1.0 | U | 0.91 | 2.0 | 27 | 27 | 27 | 27 | 40 |

QUALIFIERS:
B: Compound found in the method blank as well as the sample
U: Compound analyzed for but not detected

Indicates the value exceeds the NYSDEC Commercial SCO

NOTES:
All concentrations are in micrograms per kilogram (mg/kg) or parts per million (ppm
1: 6 NYCRR PART 375 - Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives (SCOs)
2: 6 NYCRR PART 375 - Table 375-6.8(b): Restricted Use SCOs
c: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 1
d: The SCOs for metals were capped at a maximum value of 10,000 ppm
f: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site
j: This SCO is the lower of the values for mercury (elemental) or mercury (inorganic salts)
*: This SCO is the higher of the values for chromium (trivalent) SCO value for this use of the site
----: not established

**COMMERCIAL ONLY**

**TABLE 1d (continued).**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SURFACE SOIL SAMPLE RESULTS - FEBRUARY 2008**
**INORGANICS ANALYTES**

| Sample Identification | SSRI-11 (0.5-1.0) | SSRI-12 (0.5-1.0) | SSRI-13 (0.5-1.0) | SSRI-14 (0.5-1.0) | SSRI-15 (0.5-1.0) | Contract Required Detection Limit | Unrestricted Use Soil Cleanup Objectives[1] | Restricted Use Soil Cleanup Objectives[2] | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 2/22/2008 | 2/6/2008 | 2/6/2008 | 2/6/2008 | 2/6/2008 | | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | 0.5-1.0 | 0.5-1.0 | 0.5-1.0 | 0.5-1.0 | 0.5-1.0 | | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | |
| Percent Moisture | 13 | 21 | 15 | 21 | 12 | | | | | | |
| Units | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) |
| Aluminum | 4150 | 4790 | 4800 | 1170 | 3470 | 13 | ---- | ---- | ---- | ---- | ---- |
| Antimony | 19.9 | 53.3 | 2.5 B | U | 3.2 B | 8 | ---- | ---- | ---- | ---- | ---- |
| Arsenic | **20.7** | **72.7** | 3.4 | 9.4 | **22.6** | 3 | 13[c] | 16[ŧ] | 16[ŧ] | 16[ŧ] | 16[ŧ] |
| Barium | **1120** | **6390** | 45.1 | 166 | **2880** | 1 | 350[c] | 350[f] | 400 | 400 | 820 |
| Beryllium | 0.37 B | 0.23 B | 0.28 B | 0.72 B | 0.29 B | 1 | 7.2 | 14 | 72 | 590 | 47 |
| Cadmium | **21.9** | **139** | 0.24 B | **32.3** | **62.5** | 1 | 2.5[c] | 2.5[f] | 4.3 | 9.3 | 7.5 |
| Calcium | 18300 | 11700 | 76600 | U | 5610 | 8 | ---- | ---- | ---- | ---- | ---- |
| Chromium* | 54.6 | 65.1 | 14.4 | 45.1 | 392 | 1 | 30[c] | 36 | 180 | 1,500 | ---- |
| Cobalt | 16.2 | 18.3 | 8.4 | 11.4 | 25.6 | 2 | ---- | ---- | ---- | ---- | ---- |
| Copper | **666** | **7230** | 49.5 | **2660** | **5590** | 1 | 50 | 270 | 270 | 270 | 1,720 |
| Iron | 176000 | 181000 | 14900 | 78400 | 285000 | 20 | ---- | ---- | ---- | ---- | ---- |
| Lead | **4040** | **8770** | 73.8 | 610 | **4790** | 2 | 63[c] | 400 | 400 | 1,000 | 450 |
| Magnesium | 4270 | 3290 | 34600 | 1230 | 2940 | 8 | ---- | ---- | ---- | ---- | ---- |
| Manganese | 1300 | 1590 | 497 | 767 | 1670 | 4 | 1,600[c] | 2,000[f] | 2,000[f] | 10,000[d] | 2,000[f] |
| Mercury | 2.1 | **4.7** | 1.3 | **4.9** | **3.5** | 0.2 | 0.18[c] | 0.81[j] | 0.81[j] | 2.8[j] | 0.73 |
| Nickel | 60.8 | 161 | 22.9 | 66.4 | **635** | 2 | 30 | 140 | 310 | 310 | 130 |
| Potassium | 333 B | 601 | 814 B | 663 B | 253 B | 20 | ---- | ---- | ---- | ---- | ---- |
| Selenium | U | U | 2.9 | U | U | 4 | 3.9[c] | 36 | 180 | 1,500 | 4[f] |
| Silver | U | U | 2.4 | U | U | 1 | 2 | 36 | 180 | 1,500 | 8.3 |
| Sodium | 196 B | 1030 B | 258 B | 435 B | 416 B | 9 | ---- | ---- | ---- | ---- | ---- |
| Thallium | 22.6 | 14.5 | U | 7.5 | 16.1 | 5 | ---- | ---- | ---- | ---- | ---- |
| Vanadium | 35.2 | 29.1 | 10.0 | 16.1 | 34.7 | 1 | ---- | ---- | ---- | ---- | ---- |
| Zinc | 6920 | **118000** | 69.9 | 3090 | **20600** | 1 | 109[c] | 2,200 | 10,000[a] | 10,000[a] | 2,480 |
| Cyanide | 2.3 | 11.9 | 0.14 B | 1.6 | 6.9 | 2.0 | 27 | 27 | 27 | 27 | 40 |

QUALIFIERS:
B: Compound found in the method blank as well as the sample
U: Compound analyzed for but not detected

Indicates the value exceeds the NYSDEC Commercial SCO

NOTES:
All concentrations are in micrograms per kilogram (mg/kg) or parts per million (ppm
1: 6 NYCRR PART 375 - Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives (SCOs)
2: 6 NYCRR PART 375 - Table 375-6.8(b): Restricted Use SCOs
c: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 1
d: The SCOs for metals were capped at a maximum value of 10,000 ppm
f: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site
j: This SCO is the lower of the values for mercury (elemental) or mercury (inorganic salts)
*: This SCO is the higher of the values for chromium (trivalent) SCO value for this use of the site
----: not established

**TABLE 1d (continued).**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SURFACE SOIL SAMPLE RESULTS - FEBRUARY 2008**
**INORGANICS ANALYTES**

| Sample Identification | SSRI-16 (0.5-1.0) | SSRI-17 (0.5-1.0) | SSRI-18 (0.5-1.0) | SSRI-19 (0.5-1.0) | SSRI-20 (0.5-1.0) | Contract Required Detection Limit | Unrestricted Use Soil Cleanup Objectives[1] | Restricted Use Soil Cleanup Objectives[2] | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 2/22/2008 | 2/22/2008 | 2/22/2008 | 2/22/2008 | 2/22/2008 | | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | 0.5-1.0 | 0.5-1.0 | 0.5-1.0 | 0.5-1.0 | 0.5-1.0 | | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | |
| Percent Moisture | 22 | 21 | 22 | 28 | 16 | | | | | | |
| Units | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) |
| Aluminum | 7660 | 18600 | 7440 | 4690 | 6780 | 13 | ---- | ---- | ---- | ---- | ---- |
| Antimony | U | 10 B | 7.1 B | U | 2.0 B | 8 | ---- | ---- | ---- | ---- | ---- |
| Arsenic | 9.3 | 11.2 | 4.5 | **29.5** | 4.3 | 3 | 13[c] | 16[ŧ] | 16[ŧ] | 16[ŧ] | 16[ŧ] |
| Barium | 244 | 396 | 278 | **413** | 71.4 | 1 | 350[c] | 350[f] | 400 | 400 | 820 |
| Beryllium | 1.2 | 0.13 B | 0.15 B | U | 0.24 B | 1 | 7.2 | 14 | 72 | 590 | 47 |
| Cadmium | 4.0 | **21.8** | **21.1** | **21.4** | 1.3 | 1 | 2.5[c] | 2.5[f] | 4.3 | 9.3 | 7.5 |
| Calcium | 50200 | 107000 | 46600 | U | 43700 | 8 | ---- | ---- | ---- | ---- | ---- |
| Chromium* | 189 | 162 | 370 | **3530** | 16.0 | 1 | 30[c] | 36 | 180 | 1,500 | ---- |
| Cobalt | 10.2 B | 12.3 | 29.6 | 39.4 | 9.1 B | 2 | ---- | ---- | ---- | ---- | ---- |
| Copper | **1180** | **1230** | **1880** | **3660** | 113 | 1 | 50 | 270 | 270 | 270 | 1,720 |
| Iron | 52600 | 83300 | 352000 | 500000 | 34900 | 20 | ---- | ---- | ---- | ---- | ---- |
| Lead | 382 | **1550** | **1060** | **2280** | 91.0 | 2 | 63[c] | 400 | 400 | 1,000 | 450 |
| Magnesium | 4750 | 20900 | 5580 | 2330 | 12600 | 8 | ---- | ---- | ---- | ---- | ---- |
| Manganese | 526 | 676 | 1370 | 3630 | 882 | 4 | 1,600[c] | 2,000[f] | 2,000[f] | 10,000[d] | 2,000[f] |
| Mercury | 2.8 | **4.5** | **45.2** | **5.2** | 0.72 | 0.2 | 0.18[c] | 0.81[j] | 0.81[j] | 2.8[j] | 0.73 |
| Nickel | 112 | 116 | 246 | **781** | 48.7 | 2 | 30 | 140 | 310 | 310 | 130 |
| Potassium | 680 B | 657 B | 607 B | 365 B | 1130 | 20 | ---- | ---- | ---- | ---- | ---- |
| Selenium | 2.8 | 0.32 | U | U | 0.54 | 4 | 3.9[c] | 36 | 180 | 1,500 | 4[f] |
| Silver | U | U | U | U | U | 1 | 2 | 36 | 180 | 1,500 | 8.3 |
| Sodium | 366 B | 258 B | 143 B | 136 B | 101 B | 9 | ---- | ---- | ---- | ---- | ---- |
| Thallium | 8.9 | 8.9 | 40.7 | 48.5 | 2.2 | 5 | ---- | ---- | ---- | ---- | ---- |
| Vanadium | 23.7 | 20.4 | 18.6 | 23.7 | 14.8 | 1 | ---- | ---- | ---- | ---- | ---- |
| Zinc | 894 | 5980 | 4380 | **11000** | 311 | 1 | 109[c] | 2,200 | 10,000[a] | 10,000[a] | 2,480 |
| Cyanide | 1.2 | 5.0 | 2.0 | 0.93 | 0.72 | 2.0 | 27 | 27 | 27 | 27 | 40 |

QUALIFIERS:
B: Compound found in the method blank as well as the sample
U: Compound analyzed for but not detected

Indicates the value exceeds the NYSDEC Commercial SCO

NOTES:
All concentrations are in micrograms per kilogram (mg/kg) or parts per million (ppm
1: 6 NYCRR PART 375 - Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives (SCOs)
2: 6 NYCRR PART 375 - Table 375-6.8(b): Restricted Use SCOs
c: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 1
d: The SCOs for metals were capped at a maximum value of 10,000 ppm
f: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site
j: This SCO is the lower of the values for mercury (elemental) or mercury (inorganic salts)
*: This SCO is the higher of the values for chromium (trivalent) SCO value for this use of the site
----: not established

**TABLE 1d (continued).**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SURFACE SOIL SAMPLE RESULTS - FEBRUARY 2008**
**INORGANICS ANALYTES**

**COMMERCIAL ONLY**

| Sample Identification | SSRI-1 (1.5-2.0) | SSRI-2 (1.5-2.0) | SSRI-3 (1.5-2.0) | SSRI-4 (1.5-2.0) | SSRI-5 (1.5-2.0) | Contract Required Detection Limit | Unrestricted Use Soil Cleanup Objectives[1] | Restricted Use Soil Cleanup Objectives[2] | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 2/5/2008 | 2/5/2008 | 2/5/2008 | 2/5/2008 | 2/5/2008 | | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | |
| Percent Moisture | 23 | 22 | 17 | 30 | 27 | | | | | | |
| Units | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) |
| Aluminum | 16500 | 4870 | 9930 | 9430 | 17600 | 13 | ---- | ---- | ---- | ---- | ---- |
| Antimony | 69.4 | U | U | U | 36.6 | 8 | ---- | ---- | ---- | ---- | ---- |
| Arsenic | 14.7 | 2.6 | 3.3 | 12.1 | **17.5** | 3 | 13[c] | 16[ŧ] | 16[ŧ] | 16[ŧ] | 16[ŧ] |
| Barium | 342 | 81.8 | 112 | 103 | **404** | 1 | 350[c] | 350[f] | 400 | 400 | 820 |
| Beryllium | 0.69 B | 0.26 B | 0.62 B | 0.56 B | 0.44 B | 1 | 7.2 | 14 | 72 | 590 | 47 |
| Cadmium | **10.6** | 1.7 | 0.42 B | 0.31 B | **18.2** | 1 | 2.5[c] | 2.5[f] | 4.3 | 9.3 | 7.5 |
| Calcium | 117000 | 128000 | 38500 | 29800 | 15700 | 8 | ---- | ---- | ---- | ---- | ---- |
| Chromium* | 78.2 | 28.8 | 16.9 | 19.0 | 508 | 1 | 30[c] | 36 | 180 | 1,500 | ---- |
| Cobalt | 9.7 B | 4.3 B | 9.5 B | 9.8 B | 32.0 | 2 | ---- | ---- | ---- | ---- | ---- |
| Copper | **8750** | 181 | 112 | **277** | **22800** | 1 | 50 | 270 | 270 | 270 | 1,720 |
| Iron | 65400 | 15300 | 30200 | 22900 | 282000 | 20 | ---- | ---- | ---- | ---- | ---- |
| Lead | **1680** | 221 | 233 | 203 | **1510** | 2 | 63[c] | 400 | 400 | 1,000 | 450 |
| Magnesium | 11600 | 5600 | 13100 | 14700 | 7530 | 8 | ---- | ---- | ---- | ---- | ---- |
| Manganese | 567 | 542 | 565 | 279 | 2150 | 4 | 1,600[c] | 2,000[f] | 2,000[f] | 10,000[d] | 2,000[f] |
| Mercury | 1.6 | **16.3** | 0.47 | 0.69 | **14.5** | 0.2 | 0.18[c] | 0.81[j] | 0.81[j] | 2.8[j] | 0.73 |
| Nickel | 129 | 22.4 | 24.0 | 25.6 | **312** | 2 | 30 | 140 | 310 | 310 | 130 |
| Potassium | 760 B | 930 B | 1800 | 1610 | 427 B | 20 | ---- | ---- | ---- | ---- | ---- |
| Selenium | 0.79 | 17.3 | U | 1.5 | U | 4 | 3.9[c] | 36 | 180 | 1,500 | 4[f] |
| Silver | 0.77 B | 15.7 | U | U | U | 1 | 2 | 36 | 180 | 1,500 | 8.3 |
| Sodium | 462 B | 353 B | 335 B | 384 B | 334 B | 9 | ---- | ---- | ---- | ---- | ---- |
| Thallium | 8.7 | U | 0.86 B | 1.0 B | 25.4 | 5 | ---- | ---- | ---- | ---- | ---- |
| Vanadium | 50.4 | 9.1 B | 23.7 | 23.1 | 88.2 | 1 | ---- | ---- | ---- | ---- | ---- |
| Zinc | 4430 | 405 | 200 | 140 | **14400** | 1 | 109[c] | 2,200 | 10,000[a] | 10,000[a] | 2,480 |
| Cyanide | 0.15 B | 0.29 B | 0.44 B | 0.077 | 1.3 | 2.0 | 27 | 27 | 27 | 27 | 40 |

QUALIFIERS:
B: Compound found in the method blank as well as the sample
U: Compound analyzed for but not detected

Indicates the value exceeds the NYSDEC Commercial SCO

NOTES:
All concentrations are in micrograms per kilogram (mg/kg) or parts per million (ppm
1: 6 NYCRR PART 375 - Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives (SCOs)
2: 6 NYCRR PART 375 - Table 375-6.8(b): Restricted Use SCOs
c: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 1
d: The SCOs for metals were capped at a maximum value of 10,000 ppm
f: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site
j: This SCO is the lower of the values for mercury (elemental) or mercury (inorganic salts)
*: This SCO is the higher of the values for chromium (trivalent) SCO value for this use of the site
----: not established

**TABLE 1d (continued).**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SURFACE SOIL SAMPLE RESULTS - FEBRUARY 2008**
**INORGANICS ANALYTES**

| Sample Identification | SSRI-6 (1.5-2.0) | SSRI-7 (1.5-2.0) | SSRI-8 (1.5-2.0) | SSRI-9 (1.5-2.0) | SSRI-10 (1.5-2.0) | Contract Required Detection Limit | Unrestricted Use Soil Cleanup Objectives[1] | Restricted Use Soil Cleanup Objectives[2] | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 2/5/2008 | 2/5/2008 | 2/6/2008 | 2/6/2008 | 2/22/2008 | | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | |
| Percent Moisture | 10 | 15 | 26 | 22 | 25 | | | | | | |
| Units | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) |
| Aluminum | 1100 | 7840 | 10800 | 10900 | 10600 | 13 | ---- | ---- | ---- | ---- | ---- |
| Antimony | U | 8.7 B | U | U | 22.3 | 8 | ---- | ---- | ---- | ---- | ---- |
| Arsenic | 2.0 | **24.2** | 3.6 | 3.0 | **36.7** | 3 | 13[c] | 16[ŧ] | 16[ŧ] | 16[ŧ] | 16[ŧ] |
| Barium | 39.8 | **921** | 82.1 | 76.2 | **833** | 1 | 350[c] | 350[f] | 400 | 400 | 820 |
| Beryllium | 0.12 B | 0.57 B | 0.60 B | 0.60 B | 0.10 B | 1 | 7.2 | 14 | 72 | 590 | 47 |
| Cadmium | 0.21 B | 1.9 | 4.3 | 1.9 | **33.7** | 1 | 2.5[c] | 2.5[f] | 4.3 | 9.3 | 7.5 |
| Calcium | 282000 | 33900 | 49600 | 64000 | 67600 | 8 | ---- | ---- | ---- | ---- | ---- |
| Chromium* | 6.9 | 26.3 | 18.5 | 18.0 | 112 | 1 | 30[c] | 36 | 180 | 1,500 | ---- |
| Cobalt | 1.9 B | 11.2 | 10.6 | 9.0 B | 21.5 | 2 | ---- | ---- | ---- | ---- | ---- |
| Copper | 37.5 | **436** | 84.4 | 34.6 | **5920** | 1 | 50 | 270 | 270 | 270 | 1,720 |
| Iron | 4200 | 70400 | 32100 | 26800 | 316000 | 20 | ---- | ---- | ---- | ---- | ---- |
| Lead | 56.7 | **1790** | 83.4 | 235 | **2180** | 2 | 63[c] | 400 | 400 | 1,000 | 450 |
| Magnesium | 4030 | 10500 | 17000 | 19000 | 2520 | 8 | ---- | ---- | ---- | ---- | ---- |
| Manganese | 178 | 557 | 299 | 365 | 1140 | 4 | 1,600[c] | 2,000[f] | 2,000[f] | 10,000[d] | 2,000[f] |
| Mercury | 0.22 | 1.8 | **5.6** | 0.97 | 2.2 | 0.2 | 0.18[c] | 0.81[j] | 0.81[j] | 2.8[j] | 0.73 |
| Nickel | 13.4 | 36.5 | 31.7 | 28.9 | 102 | 2 | 30 | 140 | 310 | 310 | 130 |
| Potassium | 415 B | 1580 | 1620 | 1610 | 243 B | 20 | ---- | ---- | ---- | ---- | ---- |
| Selenium | 18.0 | U | 0.70 U | U | U | 4 | 3.9[c] | 36 | 180 | 1,500 | 4[f] |
| Silver | 18.1 | U | 0.11 U | U | U | 1 | 2 | 36 | 180 | 1,500 | 8.3 |
| Sodium | 294 B | 811 B | 301 B | 356 B | 153 B | 9 | ---- | ---- | ---- | ---- | ---- |
| Thallium | U | 5.1 | 2.2 | 0.97 B | 40.3 | 5 | ---- | ---- | ---- | ---- | ---- |
| Vanadium | 2.7 B | 27.9 | 23.2 | 21.8 | 11.6 | 1 | ---- | ---- | ---- | ---- | ---- |
| Zinc | 67.0 | 797 | 609 | 110 | **13100** | 1 | 109[c] | 2,200 | 10,000[a] | 10,000[a] | 2,480 |
| Cyanide | 0.22 B | 4.1 | 0.29 B | 0.18 B | 2.3 | 2.0 | 27 | 27 | 27 | 27 | 40 |

QUALIFIERS:
B: Compound found in the method blank as well as the sample
U: Compound analyzed for but not detected

Indicates the value exceeds the NYSDEC Commercial SCO

NOTES:
All concentrations are in micrograms per kilogram (mg/kg) or parts per million (ppm
1: 6 NYCRR PART 375 - Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives (SCOs)
2: 6 NYCRR PART 375 - Table 375-6.8(b): Restricted Use SCOs
c: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 1
d: The SCOs for metals were capped at a maximum value of 10,000 ppm
f: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site
j: This SCO is the lower of the values for mercury (elemental) or mercury (inorganic salts)
*: This SCO is the higher of the values for chromium (trivalent) SCO value for this use of the site
----: not established

**COMMERCIAL ONLY**

**TABLE 1d (continued).**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SURFACE SOIL SAMPLE RESULTS - FEBRUARY 2008**
**INORGANICS ANALYTES**

| Sample Identification | SSRI-11 (1.5-2.0 | SSRI-12 (1.5-2.0 | SSRI-13 (1.5-2.0 | SSRI-14 (1.5-2.0 | SSRI-15 (1.5-2.0) | Contract Required Detection Limit | Unrestricted Use Soil Cleanup Objectives[1] | Restricted Use Soil Cleanup Objectives[2] | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 2/22/2008 | 2/6/2008 | 2/6/2008 | 2/6/2008 | 2/6/2008 | | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | |
| Percent Moisture | 15 | 27 | 8 | 20 | 18 | | | | | | |
| Units | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) |
| Aluminum | 6360 | 1370 | 1620 | 3290 | 3320 | 13 | ---- | ---- | ---- | ---- | ---- |
| Antimony | 9.3 B | 9.1 B | U | 2.0 B | 13.6 | 8 | ---- | ---- | ---- | ---- | ---- |
| Arsenic | **19.0** | 9.0 | 4.1 | 7.0 | 13.7 | 3 | 13[c] | 16[ŧ] | 16[ŧ] | 16[ŧ] | 16[ŧ] |
| Barium | **678** | **1700** | **457** | 234 | **710** | 1 | 350[c] | 350[f] | 400 | 400 | 820 |
| Beryllium | 0.47 B | 0.25 B | 0.34 B | 0.47 B | 0.13 B | 1 | 7.2 | 14 | 72 | 590 | 47 |
| Cadmium | 8.6 | **33.2** | 4.5 | **22.7** | **21.1** | 1 | 2.5[c] | 2.5[f] | 4.3 | 9.3 | 7.5 |
| Calcium | 48300 | 1390 | 3590 | 111000 | 118000 | 8 | ---- | ---- | ---- | ---- | ---- |
| Chromium* | 24.5 | 10.8 | 44.4 | 62.4 | 165 | 1 | 30[c] | 36 | 180 | 1,500 | ---- |
| Cobalt | 10.6 | 5.4 B | 4.0 B | 10.2 | 14.6 | 2 | ---- | ---- | ---- | ---- | ---- |
| Copper | 250 | **500 *** | 155 | **1120** | **2620** | 1 | 50 | 270 | 270 | 270 | 1,720 |
| Iron | 90700 | 45000 | 25200 | 92200 | 149000 | 20 | ---- | ---- | ---- | ---- | ---- |
| Lead | **1970** | **3910** | 143 | 895 | **1680** | 2 | 63[c] | 400 | 400 | 1,000 | 450 |
| Magnesium | 8530 | 605 B | 1340 | 14700 | 48200 | 8 | ---- | ---- | ---- | ---- | ---- |
| Manganese | 947 | 326 | 162 | 563 | 994 | 4 | 1,600[c] | 2,000[f] | 2,000[f] | 10,000[d] | 2,000[f] |
| Mercury | 1.7 | **4.8** | 0.41 | **4.1** | **3.2** | 0.2 | 0.18[c] | 0.81[j] | 0.81[j] | 2.8[j] | 0.73 |
| Nickel | 41.2 | 28.9 | 26.8 | 73.5 | **338** | 2 | 30 | 140 | 310 | 310 | 130 |
| Potassium | 818 B | 303 B | 318 B | 394 B | 301 B | 20 | ---- | ---- | ---- | ---- | ---- |
| Selenium | U | U | U | U | U | 4 | 3.9[c] | 36 | 180 | 1,500 | 4[f] |
| Silver | U | U | U | U | U | 1 | 2 | 36 | 180 | 1,500 | 8.3 |
| Sodium | 165 B | 394 B | 240 B | 314 B | 310 B | 9 | ---- | ---- | ---- | ---- | ---- |
| Thallium | 11.2 | 4.7 | 2.1 | 6.1 | 9.6 | 5 | ---- | ---- | ---- | ---- | ---- |
| Vanadium | 22.3 | 20.7 | 8.9 | 18.3 | 16.6 | 1 | ---- | ---- | ---- | ---- | ---- |
| Zinc | 2580 | **14000** | 661 | 2620 | 5520 | 1 | 109[c] | 2,200 | 10,000[a] | 10,000[a] | 2,480 |
| Cyanide | 0.49 B | 2.4 | 0.73 | 5.7 | 2.4 | 2.0 | 27 | 27 | 27 | 27 | 40 |

QUALIFIERS:
B: Compound found in the method blank as well as the sample
U: Compound analyzed for but not detected

Indicates the value exceeds the NYSDEC Commercial SCO

NOTES:
All concentrations are in micrograms per kilogram (mg/kg) or parts per million (ppm
1: 6 NYCRR PART 375 - Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives (SCOs)
2: 6 NYCRR PART 375 - Table 375-6.8(b): Restricted Use SCOs
c: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 1
d: The SCOs for metals were capped at a maximum value of 10,000 ppm
f: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site
j: This SCO is the lower of the values for mercury (elemental) or mercury (inorganic salts)
*: This SCO is the higher of the values for chromium (trivalent) SCO value for this use of the site
----: not established

**TABLE 1d (continued).**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SURFACE SOIL SAMPLE RESULTS - FEBRUARY 2008**
**INORGANICS ANALYTES**

**COMMERCIAL ONLY**

| Sample Identification | SSRI-16 (1.5-2.0) | SSRI-17 (1.5-2.0) | SSRI-18 (1.5-2.0) | SSRI-19 (1.5-2.0) | SSRI-20 (1.5-2.0) | Contract Required Detection Limit | Unrestricted Use Soil Cleanup Objectives[1] | Restricted Use Soil Cleanup Objectives[2] | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 2/22/2008 | 2/22/2008 | 2/22/2008 | 2/22/2008 | 2/22/2008 | | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | |
| Percent Moisture | 13 | 17 | 14 | 17 | 26 | | | | | | |
| Units | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) |
| Aluminum | 2160 | 11200 | 4830 | 8170 | 29300 | 13 | ---- | ---- | ---- | ---- | ---- |
| Antimony | 2.1 B | 19.1 | 29.9 | U | 10.1 B | 8 | ---- | ---- | ---- | ---- | ---- |
| Arsenic | 6.6 | 12.1 | **25.0** | 6.0 | **30.4** | 3 | 13[c] | 16[ŧ] | 16[ŧ] | 16[ŧ] | 16[ŧ] |
| Barium | 79.2 | 184 | **1090** | 99.4 | **3490** | 1 | 350[c] | 350[f] | 400 | 400 | 820 |
| Beryllium | 0.28 B | 0.16 B | 0.22 B | 0.32 B | 0.93 B | 1 | 7.2 | 14 | 72 | 590 | 47 |
| Cadmium | 0.39 B | 5.2 | **10.6** | 1.7 | **56.7** | 1 | 2.5[c] | 2.5[f] | 4.3 | 9.3 | 7.5 |
| Calcium | 7660 | 130000 | 37600 | 96600 | 49400 | 8 | ---- | ---- | ---- | ---- | ---- |
| Chromium* | 10 | 44.1 | 153 | 112 | 588 | 1 | 30[c] | 36 | 180 | 1,500 | ---- |
| Cobalt | 4.6 B | 13.1 | 15.1 | 10.7 | 15.1 | 2 | ---- | ---- | ---- | ---- | ---- |
| Copper | 190 | **4950** | **1090** | 202 | **2240** | 1 | 50 | 270 | 270 | 270 | 1,720 |
| Iron | 34000 | 102000 | 145000 | 39700 | 149000 | 20 | ---- | ---- | ---- | ---- | ---- |
| Lead | 67.8 | **1350** | **2510** | 115 | **19200** | 2 | 63[c] | 400 | 400 | 1,000 | 450 |
| Magnesium | 695 B | 20500 | 6090 | 25400 | 9020 | 8 | ---- | ---- | ---- | ---- | ---- |
| Manganese | 135 | 804 | 1160 | 555 | 2090 | 4 | 1,600[c] | 2,000[f] | 2,000[f] | 10,000[d] | 2,000[f] |
| Mercury | 0.038 B | 0.84 | 1.7 | 0.74 | **38.1** | 0.2 | 0.18[c] | 0.81[j] | 0.81[j] | 2.8[j] | 0.73 |
| Nickel | 13.6 | 92.8 | 139 | 96.9 | 232 | 2 | 30 | 140 | 310 | 310 | 130 |
| Potassium | 367 B | 697 B | 649 B | 1410 | 2100 | 20 | ---- | ---- | ---- | ---- | ---- |
| Selenium | 2.7 | 1.5 | 0.93 | U | 3.3 | 4 | 3.9[c] | 36 | 180 | 1,500 | 4[f] |
| Silver | 0.11 U | U | U | U | U | 1 | 2 | 36 | 180 | 1,500 | 8.3 |
| Sodium | 149 B | 231 B | 285 B | 192 B | 6550 | 9 | ---- | ---- | ---- | ---- | ---- |
| Thallium | 7.7 | 14.4 | 19.8 | 3.9 | 14.9 | 5 | ---- | ---- | ---- | ---- | ---- |
| Vanadium | 13.6 | 14.8 | 18.3 | 15.8 | 42.6 | 1 | ---- | ---- | ---- | ---- | ---- |
| Zinc | 50.2 | 4890 | **12600** | 296 | **16100** | 1 | 109[c] | 2,200 | 10,000[a] | 10,000[a] | 2,480 |
| Cyanide | 0.82 | 1.2 | 1.5 | 0.23 B | 5.3 | 2.0 | 27 | 27 | 27 | 27 | 40 |

QUALIFIERS:
B: Compound found in the method blank as well as the sample
U: Compound analyzed for but not detected

Indicates the value exceeds the NYSDEC Commercial SCO

NOTES:
All concentrations are in micrograms per kilogram (mg/kg) or parts per million (ppm
1: 6 NYCRR PART 375 - Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives (SCOs)
2: 6 NYCRR PART 375 - Table 375-6.8(b): Restricted Use SCOs
c: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 1
d: The SCOs for metals were capped at a maximum value of 10,000 ppm
f: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site
j: This SCO is the lower of the values for mercury (elemental) or mercury (inorganic salts)
*: This SCO is the higher of the values for chromium (trivalent) SCO value for this use of the site
----: not established

**COMMERCIAL ONLY**

**TABLE 2a.**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SUB-SURFACE SOIL SAMPLE RESULTS - FEBRUARY 2008**
**VOLATILE ORGANIC COMPOUNDS**

| Sample Identification | **SBRI-1 (2-4)** | **SBRI-1 (8-10)** | **SBRI-2 (2-4)** | **SBRI-2 (9-11)** | **SBRI-3 (2-4)** | Contract Required Detection Limit | Unrestricted Use Soil Cleanup Objectives[1] | Restricted Use Soil Cleanup Objectives[2] | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 2/19/2008 | 2/19/2008 | 2/19/2008 | 2/19/2008 | 2/19/2008 | | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | 2-4 | 8-10 | 2-4 | 9-11 | 2-4 | | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | |
| Percent Moisture | 18 | 18 | 23 | 18 | 15 | | | | | | |
| Units | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) |
| Dichlorodifluoromethane | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Chloromethane | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Vinyl Chloride | U | U | U | U | U | 10 | 20 | 210 | 900 | 13,000 | 20 |
| Bromomethane | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Chloroethane | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Trichlorofluoromethane | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| 1,1-Dichloroethene | U | U | U | 4 J | U | 10 | 330 | 100,000[a] | 100,000[a] | 500,000[b] | 330 |
| 1,1,2-Trichloro-1,2,2-triflu. | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Acetone | 97 | 39 | 230 | 36 | 10 J | 10 | 50 | 100,000[a] | 100,000[a] | 500,000[b] | 50 |
| Carbon Disulfide | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Methyl Acetate | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Methylene Chloride | U | U | U | U | U | 10 | 50 | 51,000 | 100,000[a] | 500,000[b] | 50 |
| trans-1,2-Dichloroethene | U | U | U | 15 | U | 10 | 190 | 100,000[a] | 100,000[a] | 500,000[b] | 190 |
| Methyl tert-Butyl Ether | U | U | U | U | U | 10 | 930 | 62,000 | 100,000[a] | 500,000[b] | 930 |
| 1,1-Dichloroethane | U | U | U | U | U | 10 | 270 | 19,000 | 26,000 | 240,000 | 270 |
| cis-1,2-Dichloroethene | U | U | U | 99 | U | 10 | 250 | 59,000 | 100,000[a] | 500,000[b] | 250 |
| 2-Butanone | 24 | 7 J | 43 | 6 J | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Chloroform | U | U | U | U | U | 10 | 370 | 10,000 | 49,000 | 350,000 | 370 |
| 1,1,1-Trichloroethane | U | U | U | U | U | 10 | 680 | 100,000[a] | 100,000[a] | 500,000[b] | 680 |
| Cyclohexane | U | U | 10 J | 6 J | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Carbon Tetrachloride | U | U | U | U | U | 10 | 760 | 1,400 | 2,400 | 22,000 | 760 |
| Benzene | U | U | U | 6 J | U | 10 | 60 | 2,900 | 4,800 | 44,000 | 60 |
| 1,2-Dichloroethane | U | U | 3 J | U | U | 10 | 20[c] | 2,300 | 3,100 | 30,000 | 20[f] |
| Trichloroethene | U | U | 4 J | 1200 D | 6 J | 10 | 470 | 10,000 | 21,000 | 200,000 | 470 |
| Methylcyclohexane | U | U | 17 | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| 1,2-Dichloropropane | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Bromodichloromethane | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| cis-1,3-Dichloropropene | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| 4-Methyl-2-Pentanone | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Toluene | 9 J | 10 J | 39 | 40 | 3 J | 10 | 700 | 100,000[a] | 100,000[a] | 500,000[b] | 700 |
| Trans-1,3-Dichloropropene | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| 1,1,2-Trichloroethane | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Tetrachloroethene | U | U | U | U | U | 10 | 1,300 | 5,500 | 19,000 | 150,000 | 1,300 |
| 2-Hexanone | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Dibromochloromethane | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| 1,2-Dibromoethane | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |

**COMMERCIAL ONLY**

**TABLE 2a. (continued)**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SUB-SURFACE SOIL SAMPLE RESULTS - FEBRUARY 2008**
**VOLATILE ORGANIC COMPOUNDS**

| Sample Identification | **SBRI-1 (2-4)** | **SBRI-1 (8-10)** | **SBRI-2 (2-4)** | **SBRI-2 (9-11)** | **SBRI-3 (2-4)** | Contract Required Detection Limit | Unrestricted Use Soil Cleanup Objectives | *Restricted Use Soil Cleanup Objectives | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 02/19/08 | 02/19/08 | 02/19/08 | 02/19/08 | 02/19/08 | | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | 2-4 | 8-10 | 2-4 | 9-11 | 2-4 | | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | |
| Percent Moisture | 18 | 18 | 23 | 18 | 15 | | | | | | |
| Units | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) |
| Chlorobenzene | U | U | U | U | U | 10 | 1,100 | 100,000[a] | 100,000[a] | 500,000[b] | 1,100 |
| Ethylbenzene | U | U | 10 J | U | U | 10 | 1,000 | 30,000 | 41,000 | 390,000 | 1,000 |
| Xylenes (total) | U | 10 J | 25 | U | U | 10 | 260 | 100,000[a] | 100,000[a] | 500,000[b] | 1,600 |
| Styrene | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Bromoform | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Isopropylbenzene | U | U | 38 | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| 1,1,2,2-Tetrachloroethane | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| 1,3-Dichlorobenzene | U | U | U | U | U | 10 | 2,400 | 17,000 | 49,000 | 280,000 | 2,400 |
| 1,4-Dichlorobenzene | U | U | U | U | U | 10 | 1,800 | 9,800 | 13,000 | 130,000 | 1,800 |
| 1,2-Dichlorobenzene | U | U | U | U | U | 10 | 1,100 | 100,000[a] | 100,000[a] | 500,000[b] | 1,100 |
| 1,2-Dibromo-3-chloropropane | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| 1,2,4-Trichlorobenzene | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| **Total VOCs** | 130 | 66 | 419 | 1,412 | 19 | | | | | | |
| **Total VOC TICs** | 32 | 248 | 37,390 | 26 | 0 | | | | | | |

QUALIFIERS:
B: Compound found in the method blank as well as the sample
D: Result taken from a reanalysis at a secondary dilution
J: Compound found at a concentration below the CRDL, value estimated
U: Compound analyzed for but not detected

Indicates the value exceeds the NYSDEC Commercial SCC

NOTES:
All concentrations are in micrograms per kilogram (ug/kg) or parts per billion (ppb)
1: 6 NYCRR PART 375 - Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives (SCOs)
2: 6 NYCRR PART 375 - Table 375-6.8(b): Restricted Use SCOs
a: The SCOs for unrestricted use, residential, restricted-residential and ecological resources use were capped at a maximum value of 100,000 ug/kg
b: The SCOs for commercial use were capped at a maximum value of 500,000 ug/kg
c: For constituents where the calculated SCO was lower than the rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this site
f: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track SCO value for this use of the site
----: not established

**TABLE 2a. (continued)**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SUB-SURFACE SOIL SAMPLE RESULTS - FEBRUARY 2008**
**VOLATILE ORGANIC COMPOUNDS**

**COMMERCIAL ONLY**

| Sample Identification | **SBRI-3 (7-9)** | **SBRI-4 (2-4)** | **SBRI-4 (8-10)** | **SBRI-5 (2-4)** | **SBRI-5 (8-10)** | Contract Required Detection Limit | Unrestricted Use Soil Cleanup Objectives[1] | Restricted Use Soil Cleanup Objectives[2] | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Protection of Public Health | | | Protection of Groundwater |
| Date of Collection | 2/20/2008 | 2/19/2008 | 2/19/2008 | 2/19/2008 | 2/19/2008 | | | Residential | Restricted-Residential | Commercial | |
| Sample Depth | 7-9 | 2-4 | 8-10 | 2-4 | 8-10 | | | | | | |
| Dilution Factor | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | |
| Percent Moisture | 21 | 18 | 19 | 16 | 22 | | | | | | |
| Units | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) |
| Dichlorodifluoromethane | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Chloromethane | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Vinyl Chloride | U | U | U | U | U | 10 | 20 | 210 | 900 | 13,000 | 20 |
| Bromomethane | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Chloroethane | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Trichlorofluoromethane | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| 1,1-Dichloroethene | U | U | U | U | U | 10 | 330 | 100,000[a] | 100,000[a] | 500,000[b] | 330 |
| 1,1,2-Trichloro-1,2,2-triflu. | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Acetone | 7 J | 130 | 60 | 130 | 18 | 10 | 50 | 100,000[a] | 100,000[a] | 500,000[b] | 50 |
| Carbon Disulfide | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Methyl Acetate | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Methylene Chloride | 3 J | U | U | 3 J | 4 J | 10 | 50 | 51,000 | 100,000[a] | 500,000[b] | 50 |
| trans-1,2-Dichloroethene | U | U | U | U | U | 10 | 190 | 100,000[a] | 100,000[a] | 500,000[b] | 190 |
| Methyl tert-Butyl Ether | U | U | U | U | U | 10 | 930 | 62,000 | 100,000[a] | 500,000[b] | 930 |
| 1,1-Dichloroethane | U | U | U | U | U | 10 | 270 | 19,000 | 26,000 | 240,000 | 270 |
| cis-1,2-Dichloroethene | U | U | U | U | U | 10 | 250 | 59,000 | 100,000[a] | 500,000[b] | 250 |
| 2-Butanone | U | 15 | 11 J | 28 | 4 J | 10 | ---- | ---- | ---- | ---- | ---- |
| Chloroform | U | U | U | U | U | 10 | 370 | 10,000 | 49,000 | 350,000 | 370 |
| 1,1,1-Trichloroethane | U | U | U | U | U | 10 | 680 | 100,000[a] | 100,000[a] | 500,000[b] | 680 |
| Cyclohexane | U | 3 J | 3 J | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Carbon Tetrachloride | U | U | U | U | U | 10 | 760 | 1,400 | 2,400 | 22,000 | 760 |
| Benzene | U | U | U | U | U | 10 | 60 | 2,900 | 4,800 | 44,000 | 60 |
| 1,2-Dichloroethane | U | U | U | U | U | 10 | 20[c] | 2,300 | 3,100 | 30,000 | 20[f] |
| Trichloroethene | U | 3 J | 3 J | U | U | 10 | 470 | 10,000 | 21,000 | 200,000 | 470 |
| Methylcyclohexane | U | 3 J | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| 1,2-Dichloropropane | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Bromodichloromethane | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| cis-1,3-Dichloropropene | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| 4-Methyl-2-Pentanone | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Toluene | U | 18 | 16 | 8 J | U | 10 | 700 | 100,000[a] | 100,000[a] | 500,000[b] | 700 |
| Trans-1,3-Dichloropropene | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| 1,1,2-Trichloroethane | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Tetrachloroethene | U | U | U | U | U | 10 | 1,300 | 5,500 | 19,000 | 150,000 | 1,300 |
| 2-Hexanone | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Dibromochloromethane | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| 1,2-Dibromoethane | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |

**COMMERCIAL ONLY**

**TABLE 2a. (continued)**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SUB-SURFACE SOIL SAMPLE RESULTS - FEBRUARY 2008**
**VOLATILE ORGANIC COMPOUNDS**

| Sample Identification | **SBRI-3 (7-9)** | **SBRI-4 (2-4)** | **SBRI-4 (8-10)** | **SBRI-5 (2-4)** | **SBRI-5 (8-10)** | Contract Required Detection Limit | Unrestricted Use Soil Cleanup Objectives | *Restricted Use Soil Cleanup Objectives | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 02/20/08 | 02/19/08 | 02/19/08 | 02/19/08 | 02/19/08 | | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | 7-9 | 2-4 | 8-10 | 2-4 | 8-10 | | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | |
| Percent Moisture | 21 | 18 | 19 | 16 | 22 | | | | | | |
| Units | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) |
| Chlorobenzene | U | U | U | U | U | 10 | 1,100 | 100,000[a] | 100,000[a] | 500,000[b] | 1,100 |
| Ethylbenzene | U | U | U | U | U | 10 | 1,000 | 30,000 | 41,000 | 390,000 | 1,000 |
| Xylenes (total) | U | U | U | U | U | 10 | 260 | 100,000[a] | 100,000[a] | 500,000[b] | 1,600 |
| Styrene | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Bromoform | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Isopropylbenzene | U | 75 | 5 J | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| 1,1,2,2-Tetrachloroethane | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| 1,3-Dichlorobenzene | U | U | U | U | U | 10 | 2,400 | 17,000 | 49,000 | 280,000 | 2,400 |
| 1,4-Dichlorobenzene | U | U | U | U | U | 10 | 1,800 | 9,800 | 13,000 | 130,000 | 1,800 |
| 1,2-Dichlorobenzene | U | U | U | U | U | 10 | 1,100 | 100,000[a] | 100,000[a] | 500,000[b] | 1,100 |
| 1,2-Dibromo-3-chloropropane | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| 1,2,4-Trichlorobenzene | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| **Total VOCs** | 10 | 247 | 98 | 169 | 26 | | | | | | |
| **Total VOC TICs** | 0 | 10,840 | 737 | 0 | 0 | | | | | | |

QUALIFIERS:
B: Compound found in the method blank as well as the sample
D: Result taken from a reanalysis at a secondary dilution
J: Compound found at a concentration below the CRDL, value estimated
U: Compound analyzed for but not detected

Indicates the value exceeds the NYSDEC Commercial SCC

NOTES:
All concentrations are in micrograms per kilogram (ug/kg) or parts per billion (ppb)
1: 6 NYCRR PART 375 - Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives (SCOs)
2: 6 NYCRR PART 375 - Table 375-6.8(b): Restricted Use SCOs
a: The SCOs for unrestricted use, residential, restricted-residential and ecological resources use were capped at a maximum value of 100,000 ug/kg
b: The SCOs for commercial use were capped at a maximum value of 500,000 ug/kg
c: For constituents where the calculated SCO was lower than the rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this site
f: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track SCO value for this use of the site
----: not established

**TABLE 2a. (continued)**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SUB-SURFACE SOIL SAMPLE RESULTS - FEBRUARY 2008**
**VOLATILE ORGANIC COMPOUNDS**

**COMMERCIAL ONLY**

| Sample Identification | **SBRI-6 (4-6)** | **SBRI-6 (8-10)** | **SBRI-7 (2-4)** | **SBRI-7 (8-10)** | **SBRI-8 (6-8)** | **SBRI-8 (8-10)** | Contract Required Detection Limit | Unrestricted Use Soil Cleanup Objectives[1] | Restricted Use Soil Cleanup Objectives[2] | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Protection of Public Health | | | Protection of Groundwater |
| Date of Collection | 2/20/2008 | 2/20/2008 | 2/21/2008 | 2/21/2008 | 2/21/2008 | 2/21/2008 | | | Residential | Restricted-Residential | Commercial | |
| Sample Depth | 4-6 | 8-10 | 2-4 | 8-10 | 6-8 | 8-10 | | | | | | |
| Dilution Factor | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | |
| Percent Moisture | 19 | 18 | 17 | 20 | 21 | 20 | | | | | | |
| Units | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) |
| Dichlorodifluoromethane | U | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Chloromethane | U | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Vinyl Chloride | U | U | U | U | U | U | 10 | 20 | 210 | 900 | 13,000 | 20 |
| Bromomethane | U | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Chloroethane | U | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Trichlorofluoromethane | U | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| 1,1-Dichloroethene | U | U | U | U | U | U | 10 | 330 | 100,000[a] | 100,000[a] | 500,000[b] | 330 |
| 1,1,2-Trichloro-1,2,2-triflu. | U | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Acetone | 34 | 20 | 82 | U | 22 | 10 J | 10 | 50 | 100,000[a] | 100,000[a] | 500,000[b] | 50 |
| Carbon Disulfide | U | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Methyl Acetate | U | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Methylene Chloride | 3 J | U | U | 3 J | U | U | 10 | 50 | 51,000 | 100,000[a] | 500,000[b] | 50 |
| trans-1,2-Dichloroethene | U | U | U | U | U | U | 10 | 190 | 100,000[a] | 100,000[a] | 500,000[b] | 190 |
| Methyl tert-Butyl Ether | U | U | U | U | U | U | 10 | 930 | 62,000 | 100,000[a] | 500,000[b] | 930 |
| 1,1-Dichloroethane | U | U | U | U | U | U | 10 | 270 | 19,000 | 26,000 | 240,000 | 270 |
| cis-1,2-Dichloroethene | U | U | U | U | U | U | 10 | 250 | 59,000 | 100,000[a] | 500,000[b] | 250 |
| 2-Butanone | 5 J | 3 J | 17 | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Chloroform | U | U | U | U | U | U | 10 | 370 | 10,000 | 49,000 | 350,000 | 370 |
| 1,1,1-Trichloroethane | U | U | U | U | U | U | 10 | 680 | 100,000[a] | 100,000[a] | 500,000[b] | 680 |
| Cyclohexane | U | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Carbon Tetrachloride | U | U | U | U | U | U | 10 | 760 | 1,400 | 2,400 | 22,000 | 760 |
| Benzene | U | U | U | U | U | U | 10 | 60 | 2,900 | 4,800 | 44,000 | 60 |
| 1,2-Dichloroethane | U | U | U | U | U | U | 10 | 20[c] | 2,300 | 3,100 | 30,000 | 20[f] |
| Trichloroethene | U | U | U | U | U | U | 10 | 470 | 10,000 | 21,000 | 200,000 | 470 |
| Methylcyclohexane | U | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| 1,2-Dichloropropane | U | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Bromodichloromethane | U | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| cis-1,3-Dichloropropene | U | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| 4-Methyl-2-Pentanone | U | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Toluene | 4 J | 8 J | 3 J | 3 J | 10 J | 6 J | 10 | 700 | 100,000[a] | 100,000[a] | 500,000[b] | 700 |
| Trans-1,3-Dichloropropene | U | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| 1,1,2-Trichloroethane | U | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Tetrachloroethene | U | U | U | U | U | U | 10 | 1,300 | 5,500 | 19,000 | 150,000 | 1,300 |
| 2-Hexanone | U | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Dibromochloromethane | U | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| 1,2-Dibromoethane | U | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |

**TABLE 2a. (continued)**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SUB-SURFACE SOIL SAMPLE RESULTS - FEBRUARY 2008**
**VOLATILE ORGANIC COMPOUNDS**

**COMMERCIAL ONLY**

| Sample Identification | **SBRI-6 (4-6)** | **SBRI-6 (8-10)** | **SBRI-7 (2-4)** | **SBRI-7 (8-10)** | **SBRI-8 (6-8)** | **SBRI-8 (8-10)** | Contract Required Detection Limit | Unrestricted Use Soil Cleanup Objectives | *Restricted Use Soil Cleanup Objectives | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 02/20/08 | 02/20/08 | 02/21/08 | 02/21/08 | 02/21/08 | 02/21/08 | | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | 4-6 | 8-10 | 2-4 | 8-10 | 6-8 | 8-10 | | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | |
| Percent Moisture | 19 | 18 | 17 | 20 | 21 | 20 | | | | | | |
| Units | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) |
| Chlorobenzene | 3 J | U | U | U | U | U | 10 | 1,100 | 100,000[a] | 100,000[a] | 500,000[b] | 1,100 |
| Ethylbenzene | U | U | U | U | U | U | 10 | 1,000 | 30,000 | 41,000 | 390,000 | 1,000 |
| Xylenes (total) | U | U | U | U | U | U | 10 | 260 | 100,000[a] | 100,000[a] | 500,000[b] | 1,600 |
| Styrene | U | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Bromoform | U | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| Isopropylbenzene | U | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| 1,1,2,2-Tetrachloroethane | U | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| 1,3-Dichlorobenzene | U | U | U | U | U | U | 10 | 2,400 | 17,000 | 49,000 | 280,000 | 2,400 |
| 1,4-Dichlorobenzene | U | U | U | U | U | U | 10 | 1,800 | 9,800 | 13,000 | 130,000 | 1,800 |
| 1,2-Dichlorobenzene | 11 J | U | U | U | U | U | 10 | 1,100 | 100,000[a] | 100,000[a] | 500,000[b] | 1,100 |
| 1,2-Dibromo-3-chloropropane | U | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| 1,2,4-Trichlorobenzene | U | U | U | U | U | U | 10 | ---- | ---- | ---- | ---- | ---- |
| **Total VOCs** | 60 | 31 | 102 | 6 | 32 | 16 | | | | | | |
| **Total VOC TICs** | 0 | 0 | 0 | 0 | 9 | 0 | | | | | | |

QUALIFIERS:
B: Compound found in the method blank as well as the sample
D: Result taken from a reanalysis at a secondary dilution
J: Compound found at a concentration below the CRDL, value estimated
U: Compound analyzed for but not detected

Indicates the value exceeds the NYSDEC Commercial SCC

NOTES:
All concentrations are in micrograms per kilogram (ug/kg) or parts per billion (ppb)
1: 6 NYCRR PART 375 - Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives (SCOs)
2: 6 NYCRR PART 375 - Table 375-6.8(b): Restricted Use SCOs
a: The SCOs for unrestricted use, residential, restricted-residential and ecological resources use were capped at a maximum value of 100,000 ug/kg
b: The SCOs for commercial use were capped at a maximum value of 500,000 ug/kg
c: For constituents where the calculated SCO was lower than the rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this site
f: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track SCO value for this use of the site
----: not established

**COMMERCIAL ONLY**

**TABLE 2b.**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SUB-SURFACE SOIL SAMPLE RESULTS - FEBRUARY 2008**
**SEMIVOLATILE ORGANIC COMPOUNDS**

| Sample Identification | **SBRI-1 (2-4)** | **SBRI-1 (8-10)** | **SBRI-2 (2-4)** | **SBRI-2 (9-11)** | **SBRI-3 (2-4)** | Contract Required Detection Limit | Unrestricted Use Soil Cleanup Objectives[1] | Restricted Use Soil Cleanup Objectives[2] | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 2/19/2008 | 2/19/2008 | 2/19/2008 | 2/19/2008 | 2/19/2008 | | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | 2-4 | 8-10 | 2-4 | 9-11 | 2-4 | | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | |
| Percent Moisture | 18 | 18 | 23 | 18 | 15 | | | | | | |
| Units | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) |
| Benzaldehyde | 52 J | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Phenol | U | U | U | U | U | 550 | 330[b] | 100,000[a] | 100,000[a] | 500,000[b1] | 330[e] |
| bis(2-Chloroethyl)ether | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2-Chlorophenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2-Methylphenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,2-Oxybis (1-Chloropropane) | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Acetophenone | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 4-Methylphenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| N-Nitroso-di-n-propylamine | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Hexachloroethane | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Nitrobenzene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Isophorone | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2-Nitrophenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,4-Dimethylphenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| bis(2-Chloroethoxy)methane | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,4-Dichlorophenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Naphthalene | 49 J | 730 | U | U | U | 550 | 12,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 12,000 |
| 4-Chloroaniline | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Hexachlorobutadiene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Caprolactam | U | U | 640 | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 4-Chloro-3-methylphenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2-Methylnaphthalene | U | 170 J | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Hexachlorocyclopentadiene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,4,6-Trichlorophenol | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| 2,4,5-Trichlorophenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 1,1'-Biphenyl | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2-Chloronaphthalene | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| 2-Nitroaniline | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Dimethylphthalate | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,6-Dinitrotoluene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Acenaphthylene | U | U | 65 J | U | U | 550 | 100,000[a] | 100,000[a] | 100,000[a] | 500,000[b1] | 107,000 |
| 3-Nitroaniline | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| Acenaphthene | U | 110 J | 57 J | U | U | 550 | 20,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 98,000 |
| 2,4-Dinitrophenol | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| 4-Nitrophenol | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| Dibenzofuran | U | 120 J | 48 J | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,4-Dinitrotoluene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Diethylphthalate | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Fluorene | U | 170 J | 150 J | U | U | 550 | 30,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| 4-Chlorophenyl-phenylether | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 4-Nitroaniline | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| 4,6-Dinitro-2-methylphenol | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |

**TABLE 2b. (continued)**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SUB-SURFACE SOIL SAMPLE RESULTS - FEBRUARY 2008**
**SEMIVOLATILE ORGANIC COMPOUNDS**

**COMMERCIAL ONLY**

| Sample Identification | SBRI-1 (2-4) | SBRI-1 (8-10) | SBRI-2 (2-4) | SBRI-2 (9-11) | SBRI-3 (2-4) | Contract Required Detection Limit | Unrestricted Use Soil Cleanup Objectives | *Restricted Use Soil Cleanup Objectives | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 02/19/08 | 02/19/08 | 02/19/08 | 02/19/08 | 02/19/08 | | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | 2-4 | 8-10 | 2-4 | 9-11 | 2-4 | | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | |
| Percent Moisture | 18 | 18 | 23 | 18 | 15 | | | | | | |
| Units | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) |
| N-Nitrosodiphenylamine | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 4-Bromophenyl-phenylether | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Hexachlorobenzene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Atrazine | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Pentachlorophenol | U | U | U | U | U | 1,400 | 800[b] | 2,400 | 6,700 | 6,700 | 800[e] |
| Phenanthrene | 54 J | 470 | 650 | U | U | 550 | 100,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| Anthracene | U | 91 J | U | U | U | 550 | 100,000[a] | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| Carbazole | U | 59 J | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Di-n-butylphthalate | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Fluoranthene | 110 J | 370 J | 1300 | U | U | 550 | 100,000[a] | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| Pyrene | U | 230 J | 800 | U | U | 550 | 100,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| Butylbenzylphthalate | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 3,3'-Dichlorobenzidine | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Benzo (a) anthracene | U | 100 J | 400 J | U | U | 550 | 1,000[c] | 1,000[f] | 1,000[f] | 5,600 | 1,000[f] |
| Chrysene | 64 J | 120 J | 640 | U | U | 550 | 1,000[c] | 1,000[f] | 3,900 | 56,000 | 1,000[f] |
| bis(2-Ethylhexyl)phthalate | 62 J | 160 J | 360 J | 72 J | 1100 | 550 | ---- | ---- | ---- | ---- | ---- |
| Di-n-octylphthalate | U | U | 390 J | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Benzo(b)fluoranthene | U | 89 J | 640 | U | U | 550 | 1,000[c] | 1,000[f] | 1,000[f] | 5,600 | 1,700 |
| Benzo(k)fluoranthene | U | U | 280 J | U | U | 550 | 800c | 1,000 | 3,900 | 56,000 | 1,700 |
| Benzo(a)pyrene | U | 58 J | 340 J | U | U | 550 | 1,000[c] | 1,000[f] | 1,000[f] | 1,000[f] | 22,000 |
| Indeno(1,2,3-cd)pyrene | U | U | 89 J | U | U | 550 | 500[c] | 500[f] | 500[f] | 5,600 | 8,200 |
| Dibenzo(a,h)anthracene | U | U | U | U | U | 550 | 330[p] | 330[e] | 330[e] | 56,000 | 1,000,000[c1] |
| Benzo(g,h,i)perylene | U | U | U | U | U | 550 | 100,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| **Total PAHs** | 277 | 2,708 | 5,411 | 0 | 0 | | | | | | |
| **Total Carcinogen PAHs** | 64 | 367 | 2,389 | 0 | 0 | | | | | | |
| **Total SVOCs** | 391 | 3,047 | 6,849 | 72 | 1,100 | | | | | | |
| **Total SVOC TICs** | 1,716 | 2,500 | 124,910 | 210 | 190 | | | | | | |

QUALIFIERS:
B: Compound found in the method blank as well as the sample
D: Result taken from a reanalysis at a secondary dilution
J: Compound found at a concentration below the CRDL, value estimated
U: Compound analyzed for but not detected

Indicates the value exceeds the NYSDEC Commercial SCO

NOTES:
All concentrations are in micrograms per kilogram (ug/kg) or parts per billion (ppb
1: 6 NYCRR PART 375 - Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives (SCOs)
2: 6 NYCRR PART 375 - Table 375-6.8(b): Restricted Use SCOs
a: The SCOs for unrestricted use, residential, restricted-residential and ecological resources use were capped at a maximum value of 100,000 ug/kg
b: For constituents where the calculated SCO was lower than the contract required quantitation limit (CRQL), the CRQL is used as the Track 1 SCO value
b1: The SCOs for commercial use were capped at a maximum value of 500,000 ug/kg
c: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 1 SCO value for this use of the site
c1: The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1,000,000
e: For constituents where the calculated SCO was lower than the CRQL, the CRQL is used as the SCO value
f: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site
----: not established

**TABLE 2b. (continued)**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SUB-SURFACE SOIL SAMPLE RESULTS - FEBRUARY 2008**
**SEMIVOLATILE ORGANIC COMPOUNDS**

| Sample Identification | **SBRI-3 (7-9)** | **SBRI-4 (2-4)** | **SBRI-4 (8-10)** | **SBRI-5 (2-4)** | **SBRI-5 (8-10)** | Contract Required Detection Limit | Unrestricted Use Soil Cleanup Objectives[1] | Restricted Use Soil Cleanup Objectives[2] | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 2/20/2008 | 2/19/2008 | 2/19/2008 | 2/19/2008 | 2/19/2008 | | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | 7-9 | 2-4 | 8-10 | 2-4 | 8-10 | | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | |
| Percent Moisture | 21 | 18 | 19 | 16 | 22 | | | | | | |
| Units | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) |
| Benzaldehyde | U | U | U | 47 J | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Phenol | U | U | U | U | U | 550 | 330[b] | 100,000[a] | 100,000[a] | 500,000[b1] | 330[e] |
| bis(2-Chloroethyl)ether | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2-Chlorophenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2-Methylphenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,2-Oxybis (1-Chloropropane) | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Acetophenone | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 4-Methylphenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| N-Nitroso-di-n-propylamine | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Hexachloroethane | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Nitrobenzene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Isophorone | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2-Nitrophenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,4-Dimethylphenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| bis(2-Chloroethoxy)methane | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,4-Dichlorophenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Naphthalene | U | U | U | U | U | 550 | 12,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 12,000 |
| 4-Chloroaniline | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Hexachlorobutadiene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Caprolactam | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 4-Chloro-3-methylphenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2-Methylnaphthalene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Hexachlorocyclopentadiene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,4,6-Trichlorophenol | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| 2,4,5-Trichlorophenol | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 1,1'-Biphenyl | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2-Chloronaphthalene | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| 2-Nitroaniline | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Dimethylphthalate | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,6-Dinitrotoluene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Acenaphthylene | U | U | U | U | U | 550 | 100,000[a] | 100,000[a] | 100,000[a] | 500,000[b1] | 107,000 |
| 3-Nitroaniline | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| Acenaphthene | U | U | U | U | U | 550 | 20,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 98,000 |
| 2,4-Dinitrophenol | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| 4-Nitrophenol | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| Dibenzofuran | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,4-Dinitrotoluene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Diethylphthalate | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Fluorene | U | U | U | U | U | 550 | 30,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| 4-Chlorophenyl-phenylether | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 4-Nitroaniline | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| 4,6-Dinitro-2-methylphenol | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |

**COMMERCIAL ONLY**

**TABLE 2b. (continued)**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SUB-SURFACE SOIL SAMPLE RESULTS - FEBRUARY 2008**
**SEMIVOLATILE ORGANIC COMPOUNDS**

| Sample Identification | SBRI-3 (7-9) | SBRI-4 (2-4) | SBRI-4 (8-10) | SBRI-5 (2-4) | SBRI-5 (8-10) | Contract Required Detection Limit | Unrestricted Use Soil Cleanup Objectives | *Restricted Use Soil Cleanup Objectives | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 02/20/08 | 02/19/08 | 02/19/08 | 02/19/08 | 02/19/08 | | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | 7-9 | 2-4 | 8-10 | 2-4 | 8-10 | | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | |
| Percent Moisture | 21 | 18 | 19 | 16 | 22 | | | | | | |
| Units | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) |
| N-Nitrosodiphenylamine | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 4-Bromophenyl-phenylether | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Hexachlorobenzene | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Atrazine | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Pentachlorophenol | U | U | U | U | U | 1,400 | 800[b] | 2,400 | 6,700 | 6,700 | 800[e] |
| Phenanthrene | U | 74 J | U | 77 J | U | 550 | 100,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| Anthracene | U | U | U | U | U | 550 | 100,000[a] | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| Carbazole | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Di-n-butylphthalate | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Fluoranthene | U | 190 J | 41 J | 140 J | U | 550 | 100,000[a] | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| Pyrene | U | 130 J | U | 120 J | U | 550 | 100,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| Butylbenzylphthalate | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 3,3'-Dichlorobenzidine | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Benzo (a) anthracene | U | 85 J | U | 64 J | U | 550 | 1,000[c] | 1,000[f] | 1,000[f] | 5,600 | 1,000[f] |
| Chrysene | U | 120 J | U | 65 J | U | 550 | 1,000[c] | 1,000[f] | 3,900 | 56,000 | 1,000[f] |
| bis(2-Ethylhexyl)phthalate | 94 J | 150 J | 120 J | 280 J | 97 J | 550 | ---- | ---- | ---- | ---- | ---- |
| Di-n-octylphthalate | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Benzo(b)fluoranthene | U | 110 J | U | 91 J | U | 550 | 1,000[c] | 1,000[f] | 1,000[f] | 5,600 | 1,700 |
| Benzo(k)fluoranthene | U | 46 J | U | U | U | 550 | 800c | 1,000 | 3,900 | 56,000 | 1,700 |
| Benzo(a)pyrene | U | 69 J | U | 74 J | U | 550 | 1,000[c] | 1,000[f] | 1,000[f] | 1,000[f] | 22,000 |
| Indeno(1,2,3-cd)pyrene | U | 44 J | U | 44 J | U | 550 | 500[c] | 500[f] | 500[f] | 5,600 | 8,200 |
| Dibenzo(a,h)anthracene | U | U | U | U | U | 550 | 330[p] | 330[e] | 330[e] | 56,000 | 1,000,000[c1] |
| Benzo(g,h,i)perylene | U | 48 J | U | U | U | 550 | 100,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| **Total PAHs** | 0 | 916 | 41 | 675 | 0 | | | | | | |
| **Total Carcinogen PAHs** | 0 | 474 | 0 | 338 | 0 | | | | | | |
| **Total SVOCs** | 94 | 1,066 | 161 | 1,002 | 97 | | | | | | |
| **Total SVOC TICs** | 0 | 6,838 | 1,907 | 890 | 0 | | | | | | |

QUALIFIERS:
B: Compound found in the method blank as well as the sample
D: Result taken from a reanalysis at a secondary dilution
J: Compound found at a concentration below the CRDL, value estimated
U: Compound analyzed for but not detected

Indicates the value exceeds the NYSDEC Commercial SCO

NOTES:
All concentrations are in micrograms per kilogram (ug/kg) or parts per billion (ppb
1: 6 NYCRR PART 375 - Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives (SCOs)
2: 6 NYCRR PART 375 - Table 375-6.8(b): Restricted Use SCOs
a: The SCOs for unrestricted use, residential, restricted-residential and ecological resources use were capped at a maximum value of 100,000 ug/kg
b: For constituents where the calculated SCO was lower than the contract required quantitation limit (CRQL), the CRQL is used as the Track 1 SCO value
b1: The SCOs for commercial use were capped at a maximum value of 500,000 ug/kg
c: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 1 SCO value for this use of the site
c1: The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1,000,000
e: For constituents where the calculated SCO was lower than the CRQL, the CRQL is used as the SCO value
f: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site
----: not established

**TABLE 2b. (continued)**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SUB-SURFACE SOIL SAMPLE RESULTS - FEBRUARY 2008**
**SEMIVOLATILE ORGANIC COMPOUNDS**

**COMMERCIAL ONLY**

| Sample Identification | **SBRI-6 (4-6)** | **SBRI-6 (8-10)** | **SBRI-7 (2-4)** | **SBRI-7 (8-10)** | **SBRI-8 (6-8)** | **SBRI-8 (8-10)** | Contract Required Detection Limit | Unrestricted Use Soil Cleanup Objectives[1] | Restricted Use Soil Cleanup Objectives[2] | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 2/20/2008 | 2/20/2008 | 2/21/2008 | 2/21/2008 | 2/21/2008 | 2/21/2008 | | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | 4-6 | 8-10 | 2-4 | 8-10 | 6-8 | 8-10 | | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | |
| Percent Moisture | 19 | 18 | 17 | 20 | 21 | 20 | | | | | | |
| Units | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) |
| Benzaldehyde | U | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Phenol | U | U | U | U | U | U | 550 | 330[b] | 100,000[a] | 100,000[a] | 500,000[b1] | 330[e] |
| bis(2-Chloroethyl)ether | U | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2-Chlorophenol | U | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2-Methylphenol | U | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,2-Oxybis (1-Chloropropane) | U | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Acetophenone | U | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 4-Methylphenol | U | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| N-Nitroso-di-n-propylamine | U | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Hexachloroethane | U | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Nitrobenzene | U | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Isophorone | U | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2-Nitrophenol | U | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,4-Dimethylphenol | U | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| bis(2-Chloroethoxy)methane | U | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,4-Dichlorophenol | U | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Naphthalene | U | U | 61 J | U | U | U | 550 | 12,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 12,000 |
| 4-Chloroaniline | U | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Hexachlorobutadiene | U | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Caprolactam | U | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 4-Chloro-3-methylphenol | U | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2-Methylnaphthalene | U | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Hexachlorocyclopentadiene | U | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,4,6-Trichlorophenol | U | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| 2,4,5-Trichlorophenol | U | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 1,1'-Biphenyl | U | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2-Chloronaphthalene | U | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| 2-Nitroaniline | U | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Dimethylphthalate | U | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,6-Dinitrotoluene | U | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Acenaphthylene | U | U | U | U | U | U | 550 | 100,000[a] | 100,000[a] | 100,000[a] | 500,000[b1] | 107,000 |
| 3-Nitroaniline | U | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| Acenaphthene | U | U | U | U | U | U | 550 | 20,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 98,000 |
| 2,4-Dinitrophenol | U | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| 4-Nitrophenol | U | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| Dibenzofuran | U | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 2,4-Dinitrotoluene | U | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Diethylphthalate | U | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Fluorene | U | U | U | U | U | U | 550 | 30,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| 4-Chlorophenyl-phenylether | U | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 4-Nitroaniline | U | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |
| 4,6-Dinitro-2-methylphenol | U | U | U | U | U | U | 1,400 | ---- | ---- | ---- | ---- | ---- |

**TABLE 2b. (continued)**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SUB-SURFACE SOIL SAMPLE RESULTS - FEBRUARY 2008**
**SEMIVOLATILE ORGANIC COMPOUNDS**

| Sample Identification | SBRI-6 (4-6) | SBRI-6 (8-10) | SBRI-7 (2-4) | SBRI-7 (8-10) | SBRI-8 (6-8) | SBRI-8 (8-10) | Contract Required Detection Limit | Unrestricted Use Soil Cleanup Objectives | *Restricted Use Soil Cleanup Objectives | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 02/20/08 | 02/20/08 | 02/21/08 | 02/21/08 | 02/21/08 | 02/21/08 | | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | 4-6 | 8-10 | 2-4 | 8-10 | 6-8 | 8-10 | | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | |
| Percent Moisture | 19 | 18 | 17 | 20 | 21 | 20 | | | | | | |
| Units | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) |
| N-Nitrosodiphenylamine | U | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 4-Bromophenyl-phenylether | U | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Hexachlorobenzene | U | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Atrazine | U | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Pentachlorophenol | U | U | U | U | U | U | 1,400 | 800[b] | 2,400 | 6,700 | 6,700 | 800[e] |
| Phenanthrene | 43 J | U | U | U | 160 J | U | 550 | 100,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| Anthracene | U | U | U | U | U | U | 550 | 100,000[a] | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| Carbazole | U | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Di-n-butylphthalate | U | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Fluoranthene | 160 J | U | U | U | 330 J | U | 550 | 100,000[a] | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| Pyrene | 160 J | U | U | U | 350 J | U | 550 | 100,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| Butylbenzylphthalate | U | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| 3,3'-Dichlorobenzidine | U | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Benzo (a) anthracene | 95 J | U | U | U | 140 J | U | 550 | 1,000[c] | 1,000[f] | 1,000[f] | 5,600 | 1,000[f] |
| Chrysene | 87 J | U | U | U | 200 J | U | 550 | 1,000[c] | 1,000[f] | 3,900 | 56,000 | 1,000[f] |
| bis(2-Ethylhexyl)phthalate | 78 J | 70 J | 110 J | 290 J | 85 J | 83 J | 550 | ---- | ---- | ---- | ---- | ---- |
| Di-n-octylphthalate | U | U | U | U | U | U | 550 | ---- | ---- | ---- | ---- | ---- |
| Benzo(b)fluoranthene | 90 J | U | U | U | 140 J | U | 550 | 1,000[c] | 1,000[f] | 1,000[f] | 5,600 | 1,700 |
| Benzo(k)fluoranthene | U | U | U | U | 64 J | U | 550 | 800c | 1,000 | 3,900 | 56,000 | 1,700 |
| Benzo(a)pyrene | 66 J | U | U | U | 53 J | U | 550 | 1,000[c] | 1,000[f] | 1,000[f] | 1,000[f] | 22,000 |
| Indeno(1,2,3-cd)pyrene | U | U | U | U | U | U | 550 | 500[c] | 500[f] | 500[f] | 5,600 | 8,200 |
| Dibenzo(a,h)anthracene | U | U | U | U | U | U | 550 | 330[b] | 330[e] | 330[e] | 56,000 | 1,000,000[c1] |
| Benzo(g,h,i)perylene | U | U | U | U | U | U | 550 | 100,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| **Total PAHs** | 701 | 0 | 61 | 0 | 1,437 | 0 | | | | | | |
| **Total Carcinogen PAHs** | 338 | 0 | 0 | 0 | 597 | 0 | | | | | | |
| **Total SVOCs** | 779 | 70 | 171 | 290 | 1,522 | 83 | | | | | | |
| **Total SVOC TICs** | 240 | 0 | 349 | 0 | 788 | 0 | | | | | | |

QUALIFIERS:
B: Compound found in the method blank as well as the sample
D: Result taken from a reanalysis at a secondary dilution
J: Compound found at a concentration below the CRDL, value estimated
U: Compound analyzed for but not detected

Indicates the value exceeds the NYSDEC Commercial SCO

NOTES:
All concentrations are in micrograms per kilogram (ug/kg) or parts per billion (ppb
1: 6 NYCRR PART 375 - Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives (SCOs)
2: 6 NYCRR PART 375 - Table 375-6.8(b): Restricted Use SCOs
a: The SCOs for unrestricted use, residential, restricted-residential and ecological resources use were capped at a maximum value of 100,000 ug/kg
b: For constituents where the calculated SCO was lower than the contract required quantitation limit (CRQL), the CRQL is used as the Track 1 SCO value
b1: The SCOs for commercial use were capped at a maximum value of 500,000 ug/kg
c: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 1 SCO value for this use of the site
c1: The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1,000,000
e: For constituents where the calculated SCO was lower than the CRQL, the CRQL is used as the SCO value
f: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site
----: not established

**COMMERCIAL ONLY**

**TABLE 2c.**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SUB-SURFACE SOIL SAMPLE RESULTS - FEBRUARY 2008**
**PESTICIDES/POLYCHLORINATED BIPHENYLS**

| Sample Identification | **SBRI-1 (2-4)** | **SBRI-1 (8-10)** | **SBRI-2 (2-4)** | **SBRI-2 (9-11)** | **SBRI-3 (2-4)** | Contract Required Detection Limit | Unrestricted Use Soil Cleanup Objectives[1] | Restricted Use Soil Cleanup Objectives[2] | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 2/19/2008 | 2/19/2008 | 2/19/2008 | 2/19/2008 | 2/19/2008 | | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | 2-4 | 8-10 | 2-4 | 9-11 | 2-4 | | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | |
| Percent Moisture | 18 | 18 | 23 | 18 | 15 | | | | | | |
| Units | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) |
| alpha-BHC | U | U | U | U | U | 0.05 | 20 | 97 | 480 | 3,400 | 20 |
| beta-BHC | U | U | 1.3 JP | U | U | 0.05 | 36 | 72 | 360 | 3000 | 90 |
| delta-BHC | U | U | U | U | U | 0.05 | 40 | 100,000[a] | 100,000[a] | 500,000[b1] | 250 |
| gamma-BHC (Lindane) | U | U | U | U | U | 0.05 | ---- | ---- | ---- | ---- | ---- |
| Heptachlor | U | U | U | U | U | 0.05 | 42 | 420 | 2,100 | 15,000 | 380 |
| Aldrin | U | U | U | U | U | 0.05 | 5[c] | 19 | 97 | 680 | 190 |
| Heptachlor Epoxide | U | U | U | U | U | 0.05 | ---- | ---- | ---- | ---- | ---- |
| Endosulfan I | U | U | U | U | U | 0.05 | 2,400 | 4,800[i] | 24,000[i] | 200,000[i] | 102,000 |
| Dieldrin | U | U | 5.2 P | U | U | 0.10 | 5[c] | 39 | 200 | 1,400 | 100 |
| 4,4'-DDE | U | U | 4.5 P | U | U | 0.10 | 3.3[b] | 1,800 | 8,900 | 62,000 | 17,000 |
| Endrin | U | U | U | U | U | 0.10 | 14 | 2,200 | 11,000 | 89,000 | 60 |
| Endosulfan II | U | U | U | U | U | 0.10 | 2,400 | 4,800[i] | 24,000[i] | 200,000[i] | 102,000 |
| 4,4'-DDD | U | U | U | U | U | 0.10 | 3.3[b] | 2,600 | 13,000 | 92,000 | 14,000 |
| Endosulfan Sulfate | U | U | 9.3 | U | U | 0.10 | 2,400 | 4,800[i] | 24,000[i] | 200,000[i] | 1,000,000[c1] |
| 4,4'-DDT | U | U | U | U | U | 0.10 | 3.3[b] | 1,700 | 7,900 | 47,000 | 136,000 |
| Methoxychlor | U | U | U | U | U | 0.50 | ---- | ---- | ---- | ---- | ---- |
| Endrin Ketone | U | U | U | U | U | 0.10 | ---- | ---- | ---- | ---- | ---- |
| Endrin Aldehyde | U | U | U | U | U | 0.10 | ---- | ---- | ---- | ---- | ---- |
| alpha-Chlordane | U | U | U | U | U | 0.05 | 94 | 910 | 4,200 | 24,000 | 2,900 |
| gamma-Chlordane | U | U | 3.4 P | U | U | 0.05 | ---- | ---- | ---- | ---- | ---- |
| Toxaphene | U | U | U | U | U | 5.0 | ---- | ---- | ---- | ---- | ---- |
| Aroclor-1016 | U | U | U | U | U | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1221 | U | U | U | U | U | 2.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1232 | U | U | U | U | U | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1242 | U | U | U | U | U | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1248 | U | U | 150 P | U | U | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1254 | U | U | U | U | U | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1260 | U | U | 120 | U | U | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| **Total Pesticides** | 0 | 0 | 23.7 | 0 | 0 | | | | | | |
| **Total PCBs** | 0 | 0 | 270 | 0 | 0 | | | | | | |

QUALIFIERS:
B: Compound found in the method blank as well as the sample
D: Result taken from a reanalysis at a secondary dilution
J: Compound found at a concentration below the CRDL, value estimated
U: Compound analyzed for but not detected

Indicates the value exceeds the NYSDEC Commercial SCO

NOTES:
All concentrations are in micrograms per kilogram (ug/kg) or parts per billion (ppb
1: 6 NYCRR PART 375 - Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives (SCOs)
2: 6 NYCRR PART 375 - Table 375-6.8(b): Restricted Use SCOs
a: The SCOs for unrestricted use, residential, restricted-residential and ecological resources use were capped at a maximum value of 100,000 ug/kg
b: For constituents where the calculated SCO was lower than the contract required quantitation limit (CRQL), the CRQL is used as the Track 1 SCO value
b1: The SCOs for commercial use were capped at a maximum value of 500,000 ug/kg
c: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 1 SCO value for this use of the site
c1: The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1,000,000
i: This SCO is for the sum of endosulfan I, endosulfan II, and endosulfan sulfate.
----: not established

**TABLE 2c (continued).**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SUB-SURFACE SOIL SAMPLE RESULTS - FEBRUARY 2008**
**PESTICIDES/POLYCHLORINATED BIPHENYLS**

**COMMERCIAL ONLY**

| Sample Identification | SBRI-3 (7-9) | SBRI-4 (2-4) | SBRI-4 (8-10) | SBRI-5 (2-4) | SBRI-5 (8-10) | Contract Required Detection Limit | Unrestricted Use Soil Cleanup Objectives[1] | Restricted Use Soil Cleanup Objectives[2] | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 2/20/2008 | 2/19/2008 | 2/19/2008 | 2/19/2008 | 2/19/2008 | | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | 7-9 | 2-4 | 8-10 | 2-4 | 8-10 | | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | |
| Percent Moisture | 21 | 18 | 19 | 16 | 22 | | | | | | |
| Units | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) |
| alpha-BHC | U | U | U | U | 1.6 J | 0.05 | 20 | 97 | 480 | 3,400 | 20 |
| beta-BHC | U | U | U | 1.6 JP | 2.5 | 0.05 | 36 | 72 | 360 | 3000 | 90 |
| delta-BHC | U | U | U | U | U | 0.05 | 40 | 100,000[a] | 100,000[a] | 500,000[b1] | 250 |
| gamma-BHC (Lindane) | U | U | U | U | U | 0.05 | ---- | ---- | ---- | ---- | ---- |
| Heptachlor | U | U | U | U | U | 0.05 | 42 | 420 | 2,100 | 15,000 | 380 |
| Aldrin | U | U | U | U | U | 0.05 | 5[e] | 19 | 97 | 680 | 190 |
| Heptachlor Epoxide | U | U | U | U | U | 0.05 | ---- | ---- | ---- | ---- | ---- |
| Endosulfan I | U | U | U | U | U | 0.05 | 2,400 | 4,800[l] | 24,000[l] | 200,000[l] | 102,000 |
| Dieldrin | U | U | U | U | U | 0.10 | 5[e] | 39 | 200 | 1,400 | 100 |
| 4,4'-DDE | U | U | U | U | U | 0.10 | 3.3[b] | 1,800 | 8,900 | 62,000 | 17,000 |
| Endrin | U | U | U | U | U | 0.10 | 14 | 2,200 | 11,000 | 89,000 | 60 |
| Endosulfan II | U | U | U | U | U | 0.10 | 2,400 | 4,800[l] | 24,000[l] | 200,000[l] | 102,000 |
| 4,4'-DDD | U | U | U | U | U | 0.10 | 3.3[b] | 2,600 | 13,000 | 92,000 | 14,000 |
| Endosulfan Sulfate | U | U | U | U | U | 0.10 | 2,400 | 4,800[l] | 24,000[l] | 200,000[l] | 1,000,000[c1] |
| 4,4'-DDT | U | U | U | U | U | 0.10 | 3.3[b] | 1,700 | 7,900 | 47,000 | 136,000 |
| Methoxychlor | U | U | U | U | U | 0.50 | ---- | ---- | ---- | ---- | ---- |
| Endrin Ketone | U | U | U | U | U | 0.10 | ---- | ---- | ---- | ---- | ---- |
| Endrin Aldehyde | U | U | U | U | U | 0.10 | ---- | ---- | ---- | ---- | ---- |
| alpha-Chlordane | U | U | U | U | U | 0.05 | 94 | 910 | 4,200 | 24,000 | 2,900 |
| gamma-Chlordane | U | U | U | U | U | 0.05 | ---- | ---- | ---- | ---- | ---- |
| Toxaphene | U | U | U | U | U | 5.0 | ---- | ---- | ---- | ---- | ---- |
| Aroclor-1016 | U | U | U | U | U | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1221 | U | U | U | U | U | 2.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1232 | U | U | U | U | U | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1242 | U | U | U | U | U | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1248 | U | U | U | U | U | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1254 | U | U | U | 30 J | U | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1260 | U | U | U | U | U | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| **Total Pesticides** | 0 | 0 | 0 | 1.6 | 4.1 | | | | | | |
| **Total PCBs** | 0 | 0 | 0 | 30 | 0 | | | | | | |

QUALIFIERS:
B: Compound found in the method blank as well as the sample
D: Result taken from a reanalysis at a secondary dilution
J: Compound found at a concentration below the CRDL, value estimated
U: Compound analyzed for but not detected

Indicates the value exceeds the NYSDEC Commercial SCO

NOTES:
All concentrations are in micrograms per kilogram (ug/kg) or parts per billion (ppb
1: 6 NYCRR PART 375 - Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives (SCOs)
2: 6 NYCRR PART 375 - Table 375-6.8(b): Restricted Use SCOs
a: The SCOs for unrestricted use, residential, restricted-residential and ecological resources use were capped at a maximum value of 100,000 ug/kg
b: For constituents where the calculated SCO was lower than the contract required quantitation limit (CRQL), the CRQL is used as the Track 1 SCO value
b1: The SCOs for commercial use were capped at a maximum value of 500,000 ug/kg
c: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 1 SCO value for this use of the site
c1: The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1,000,000
e: For constituents where the calculated SCO was lower than the CRQL, the CRQL is used as the SCO value
----: not established

**COMMERCIAL ONLY**

**TABLE 2c (continued).**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SUB-SURFACE SOIL SAMPLE RESULTS - FEBRUARY 2008**
**PESTICIDES/POLYCHLORINATED BIPHENYLS**

| Sample Identification | **SBRI-6 (4-6)** | **SBRI-6 (8-10)** | **SBRI-7 (2-4)** | **SBRI-7 (8-10)** | **SBRI-8 (6-8)** | **SBRI-8 (8-10)** | Contract Required Detection Limit | Unrestricted Use Soil Cleanup Objectives[1] | Restricted Use Soil Cleanup Objectives[2] | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 2/20/2008 | 2/20/2008 | 2/21/2008 | 2/21/2008 | 2/21/2008 | 2/21/2008 | | | Protection of Public Health | | | |
| Sample Depth | 4-6 | 8-10 | 2-4 | 8-10 | 6-8 | 8-10 | | | Residential | Restricted-Residential | Commercial | Protection of Groundwater |
| Dilution Factor | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | |
| Percent Moisture | 19 | 18 | 17 | 20 | 21 | 20 | | | | | | |
| Units | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) |
| alpha-BHC | U | U | U | U | U | U | 0.05 | 20 | 97 | 480 | 3,400 | 20 |
| beta-BHC | U | U | U | U | U | U | 0.05 | 36 | 72 | 360 | 3000 | 90 |
| delta-BHC | U | U | U | U | U | U | 0.05 | 40 | 100,000[a] | 100,000[a] | 500,000[b1] | 250 |
| gamma-BHC (Lindane) | U | U | U | U | U | U | 0.05 | ---- | ---- | ---- | ---- | ---- |
| Heptachlor | U | U | U | U | U | U | 0.05 | 42 | 420 | 2,100 | 15,000 | 380 |
| Aldrin | U | U | U | U | U | U | 0.05 | 5[c] | 19 | 97 | 680 | 190 |
| Heptachlor Epoxide | U | U | U | U | U | U | 0.05 | ---- | ---- | ---- | ---- | ---- |
| Endosulfan I | U | U | U | U | U | U | 0.05 | 2,400 | 4,800[i] | 24,000[i] | 200,000[i] | 102,000 |
| Dieldrin | U | U | U | U | U | U | 0.10 | 5[c] | 39 | 200 | 1,400 | 100 |
| 4,4'-DDE | U | U | U | U | U | U | 0.10 | 3.3[b] | 1,800 | 8,900 | 62,000 | 17,000 |
| Endrin | U | U | U | U | U | U | 0.10 | 14 | 2,200 | 11,000 | 89,000 | 60 |
| Endosulfan II | U | U | U | U | U | U | 0.10 | 2,400 | 4,800[i] | 24,000[i] | 200,000[i] | 102,000 |
| 4,4'-DDD | U | U | U | U | U | U | 0.10 | 3.3[b] | 2,600 | 13,000 | 92,000 | 14,000 |
| Endosulfan Sulfate | U | U | U | U | U | U | 0.10 | 2,400 | 4,800[i] | 24,000[i] | 200,000[i] | 1,000,000[c1] |
| 4,4'-DDT | U | U | U | U | U | U | 0.10 | 3.3[b] | 1,700 | 7,900 | 47,000 | 136,000 |
| Methoxychlor | U | U | U | U | U | U | 0.50 | ---- | ---- | ---- | ---- | ---- |
| Endrin Ketone | U | U | U | U | U | U | 0.10 | ---- | ---- | ---- | ---- | ---- |
| Endrin Aldehyde | U | U | U | U | U | U | 0.10 | ---- | ---- | ---- | ---- | ---- |
| alpha-Chlordane | U | U | U | U | U | U | 0.05 | 94 | 910 | 4,200 | 24,000 | 2,900 |
| gamma-Chlordane | U | U | U | U | U | U | 0.05 | ---- | ---- | ---- | ---- | ---- |
| Toxaphene | U | U | U | U | U | U | 5.0 | ---- | ---- | ---- | ---- | ---- |
| Aroclor-1016 | U | U | U | U | U | U | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1221 | U | U | U | U | U | U | 2.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1232 | U | U | U | U | U | U | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1242 | U | U | U | U | U | U | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1248 | U | U | U | U | U | U | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1254 | U | U | U | U | U | U | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1260 | U | U | U | U | U | U | 1.0 | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| **Total Pesticides** | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | |
| **Total PCBs** | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | |

QUALIFIERS:
B: Compound found in the method blank as well as the sample
D: Result taken from a reanalysis at a secondary dilution
J: Compound found at a concentration below the CRDL, value estimated
U: Compound analyzed for but not detected

Indicates the value exceeds the NYSDEC Commercial SCO

NOTES:
All concentrations are in micrograms per kilogram (ug/kg) or parts per billion (ppb
1: 6 NYCRR PART 375 - Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives (SCOs)
2: 6 NYCRR PART 375 - Table 375-6.8(b): Restricted Use SCOs
a: The SCOs for unrestricted use, residential, restricted-residential and ecological resources use were capped at a maximum value of 100,000 ug/kg
b: For constituents where the calculated SCO was lower than the contract required quantitation limit (CRQL), the CRQL is used as the Track 1 SCO value
b1: The SCOs for commercial use were capped at a maximum value of 500,000 ug/kg
c: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 1 SCO value for this use of the site
c1: The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1,000,000
i: This SCO is for the sum of endosulfan I, endosulfan II, and endosulfan sulfate.
----: not established

**COMMERCIAL ONLY**

**TABLE 2d.**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SUB-SURFACE SOIL SAMPLE RESULTS - FEBRUARY 2008**
**INORGANICS ANALYTES**

| Sample Identification | **SBRI-1 (2-4)** | **SBRI-1 (8-10)** | **SBRI-2 (2-4)** | **SBRI-2 (9-11)** | **SBRI-3 (2-4)** | Contract Required Detection Limit | Unrestricted Use Soil Cleanup Objectives[1] | Restricted Use Soil Cleanup Objectives[2] | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 2/19/2008 | 2/19/2008 | 2/19/2008 | 2/19/2008 | 2/19/2008 | | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | 2-4 | 8-10 | 2-4 | 9-11 | 2-4 | | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | |
| Percent Moisture | 18 | 18 | 23 | 18 | 15 | | | | | | |
| Units | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) |
| Aluminum | 11600 | 11300 | 11700 | 10000 | 14900 | 13 | ---- | ---- | ---- | ---- | ---- |
| Antimony | 1.1 B | 1.8 B | 5.1 B | 1.9 B | 1.6 B | 8 | ---- | ---- | ---- | ---- | ---- |
| Arsenic | 1.9 | 0.52 B | 5.7 | 0.82 B | 1.9 | 3 | 13[c] | 16[‡] | 16[‡] | 16[‡] | 16[‡] |
| Barium | 67.3 | 165 | **404** | 109 | 56.6 | 1 | 350[c] | 350[f] | 400 | 400 | 820 |
| Beryllium | 0.52 B | 0.46 B | 0.50 B | 0.45 B | 0.58 B | 1 | 7.2 | 14 | 72 | 590 | 47 |
| Cadmium | 0.98 | 1.1 | **11.0** | 0.49 B | 1.1 | 1 | 2.5[c] | 2.5[f] | 4.3 | 9.3 | 7.5 |
| Calcium | 40000 | 63200 | 80600 | 69900 | 49700 | 8 | ---- | ---- | ---- | ---- | ---- |
| Chromium* | 18.1 | 22.9 | 42.0 | 16.0 | 22.5 | 1 | 30[c] | 36 | 180 | 1,500 | ---- |
| Cobalt | 10 | 8.5 B | 15.2 | 9.2 B | 10.6 | 2 | ---- | ---- | ---- | ---- | ---- |
| Copper | 15.3 | 41.9 | **752** | 34.7 | 13.0 | 1 | 50 | 270 | 270 | 270 | 1,720 |
| Iron | 21600 | 23300 | 36500 | 19900 | 25900 | 20 | ---- | ---- | ---- | ---- | ---- |
| Lead | 13.9 | 28.1 | 668 | 12.9 | 17.0 | 2 | 63[c] | 400 | 400 | 1,000 | 450 |
| Magnesium | 18000 | 19000 | 11600 | 28300 | 26600 | 8 | ---- | ---- | ---- | ---- | ---- |
| Manganese | 422 | 457 | 528 | 505 | 397 | 4 | 1,600[c] | 2,000[f] | 2,000[f] | 10,000[d] | 2,000[f] |
| Mercury | U | 0.32 | **3.7** | 0.020 | 0.095 B | 0.2 | 0.18[c] | 0.81[j] | 0.81[j] | 2.8[j] | 0.73 |
| Nickel | 25.4 | 24.6 | 46.9 | 23.7 | 35.6 | 2 | 30 | 140 | 310 | 310 | 130 |
| Potassium | 1670 | 1870 | 1660 | 2110 | 1960 | 20 | ---- | ---- | ---- | ---- | ---- |
| Selenium | U | U | 0.45 | 1.5 | U | 4 | 3.9[c] | 36 | 180 | 1,500 | 4[f] |
| Silver | U | U | U | 0.77 B | U | 1 | 2 | 36 | 180 | 1,500 | 8.3 |
| Sodium | 108 B | 194 B | 567 B | 282 B | 173 B | 9 | ---- | ---- | ---- | ---- | ---- |
| Thallium | 1.8 | 1.2 B | 4.0 | 0.21 | 1.4 B | 5 | ---- | ---- | ---- | ---- | ---- |
| Vanadium | 21.6 | 18.6 | 25.3 | 17.7 | 27.6 | 1 | ---- | ---- | ---- | ---- | ---- |
| Zinc | 58.8 | 95.4 | 1830 | 60.7 | 64.4 | 1 | 109[c] | 2,200 | 10,000[d] | 10,000[d] | 2,480 |
| Cyanide | 0.019 | 0.019 | 2.0 | U | U | 2.0 | 27 | 27 | 27 | 27 | 40 |

QUALIFIERS:
B: Compound found in the method blank as well as the sample
D: Result taken from a reanalysis at a secondary dilution
J: Compound found at a concentration below the CRDL, value estimated
U: Compound analyzed for but not detected

Indicates the value exceeds the NYSDEC Commercial SCO

NOTES:
All concentrations are in micrograms per kilogram (mg/kg) or parts per million (ppm
1: 6 NYCRR PART 375 - Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives (SCOs)
2: 6 NYCRR PART 375 - Table 375-6.8(b): Restricted Use SCOs
c: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 1
d: The SCOs for metals were capped at a maximum value of 10,000 ppm
f: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site
j: This SCO is the lower of the values for mercury (elemental) or mercury (inorganic salts)
*: This SCO is the higher of the values for chromium (trivalent) SCO value for this use of the site
----: not established

**COMMERCIAL ONLY**

**TABLE 2d (continued).**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SUB-SURFACE SOIL SAMPLE RESULTS - FEBRUARY 2008**
**INORGANICS ANALYTES**

| Sample Identification | **SBRI-3 (7-9)** | **SBRI-4 (2-4)** | **SBRI-4 (8-10)** | **SBRI-5 (2-4)** | **SBRI-5 (8-10)** | Contract Required Detection Limit | Unrestricted Use Soil Cleanup Objectives[1] | Restricted Use Soil Cleanup Objectives[2] | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 2/20/2008 | 2/19/2008 | 2/19/2008 | 2/19/2008 | 2/19/2008 | | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | 7-9 | 2-4 | 8-10 | 2-4 | 8-10 | | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | |
| Percent Moisture | 21 | 18 | 19 | 16 | 22 | | | | | | |
| Units | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) |
| Aluminum | 8190 | 13900 | 11800 | 9880 | 8600 | 13 | ---- | ---- | ---- | ---- | ---- |
| Antimony | 2.3 B | 1.7 B | 1.9 B | 3.2 B | 1.9 B | 8 | ---- | ---- | ---- | ---- | ---- |
| Arsenic | 1.8 | 3.5 | 3.3 | 2.0 | 1.7 B | 3 | 13[c] | 16[‡] | 16[‡] | 16[‡] | 16[‡] |
| Barium | 117 | 92.7 | 116 | 69.9 | 137 | 1 | 350[c] | 350[f] | 400 | 400 | 820 |
| Beryllium | 0.36 B | 0.59 B | 0.49 B | 0.38 B | 0.42 B | 1 | 7.2 | 14 | 72 | 590 | 47 |
| Cadmium | 0.40 B | 1.2 | 0.63 B | 0.66 B | 0.47 B | 1 | 2.5[c] | 2.5[f] | 4.3 | 9.3 | 7.5 |
| Calcium | 82100 | 61700 | 68700 | 119000 | 62300 | 8 | ---- | ---- | ---- | ---- | ---- |
| Chromium* | 14.4 | 22.0 | 18.9 | 20.6 | 13.5 | 1 | 30[c] | 36 | 180 | 1,500 | ---- |
| Cobalt | 7.5 B | 12.9 | 10.4 | 7.0 B | 8.6 B | 2 | ---- | ---- | ---- | ---- | ---- |
| Copper | 86.6 | 29.9 | 24.5 | 144 | 25.8 | 1 | 50 | 270 | 270 | 270 | 1,720 |
| Iron | 17800 | 25700 | 21200 | 19400 | 19100 | 20 | ---- | ---- | ---- | ---- | ---- |
| Lead | 28.1 | 23.4 | 14.4 | 172 | 17.0 | 2 | 63[c] | 400 | 400 | 1,000 | 450 |
| Magnesium | 20400 | 23800 | 24000 | 6640 | 16600 | 8 | ---- | ---- | ---- | ---- | ---- |
| Manganese | 421 | 496 | 504 | 250 | 437 | 4 | 1,600[c] | 2,000[f] | 2,000[f] | 10,000[d] | 2,000[f] |
| Mercury | 0.060 B | 0.25 | 0.20 | 1.3 | 0.062 B | 0.2 | 0.18[c] | 0.81[j] | 0.81[j] | 2.8[j] | 0.73 |
| Nickel | 23.2 | 32.1 | 26.1 | 24.3 | 20.1 | 2 | 30 | 140 | 310 | 310 | 130 |
| Potassium | 1230 | 1980 | 1770 | 1420 | 1600 | 20 | ---- | ---- | ---- | ---- | ---- |
| Selenium | 2.3 | 0.49 | 1.6 | 3.1 | 1.9 | 4 | 3.9[c] | 36 | 180 | 1,500 | 4[f] |
| Silver | 1.8 U | | 0.17 B | 3.8 | 0.32 B | 1 | 2 | 36 | 180 | 1,500 | 8.3 |
| Sodium | 120 B | 127 B | 192 B | 422 B | 149 B | 9 | ---- | ---- | ---- | ---- | ---- |
| Thallium | 0.29 | 1.5 B | 0.14 | 1.4 B | 0.49 B | 5 | ---- | ---- | ---- | ---- | ---- |
| Vanadium | 15.7 | 26.1 | 20.8 | 16.5 | 17.1 | 1 | ---- | ---- | ---- | ---- | ---- |
| Zinc | 91.9 | 88.0 | 61.6 | 263 | 55.7 | 1 | 109[c] | 2,200 | 10,000[a] | 10,000[a] | 2,480 |
| Cyanide | U | 0.063 | 0.021 | 0.19 B | U | 2.0 | 27 | 27 | 27 | 27 | 40 |

QUALIFIERS:
B: Compound found in the method blank as well as the sample
D: Result taken from a reanalysis at a secondary dilution
J: Compound found at a concentration below the CRDL, value estimated
U: Compound analyzed for but not detected

Indicates the value exceeds the NYSDEC Commercial SCO

NOTES:
All concentrations are in micrograms per kilogram (mg/kg) or parts per million (ppm
1: 6 NYCRR PART 375 - Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives (SCOs)
2: 6 NYCRR PART 375 - Table 375-6.8(b): Restricted Use SCOs
c: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 1
d: The SCOs for metals were capped at a maximum value of 10,000 ppm
f: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site
j: This SCO is the lower of the values for mercury (elemental) or mercury (inorganic salts)
*: This SCO is the higher of the values for chromium (trivalent) SCO value for this use of the site
----: not established

**TABLE 2d (continued).**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SUB-SURFACE SOIL SAMPLE RESULTS - FEBRUARY 2008**
**INORGANICS ANALYTES**

| Sample Identification | SBRI-6 (4-6) | SBRI-6 (8-10) | SBRI-7 (2-4) | SBRI-7 (8-10) | SBRI-8 (6-8) | SBRI-8 (8-10) | Contract Required Detection Limit | Unrestricted Use Soil Cleanup Objectives[1] | Restricted Use Soil Cleanup Objectives[2] | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 2/20/2008 | 2/20/2008 | 2/21/2008 | 2/21/2008 | 2/21/2008 | 2/21/2008 | | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | 4-6 | 8-10 | 2-4 | 8-10 | 6-8 | 8-10 | | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | |
| Percent Moisture | 19 | 18 | 17 | 20 | 21 | 20 | | | | | | |
| Units | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) |
| Aluminum | 10900 | 3360 | 11800 | 7390 | 6630 | 10500 | 13 | ---- | ---- | ---- | ---- | ---- |
| Antimony | 2.4 B | 1.6 B | 1.3 B | 2.3 B | 3.9 B | 1.9 B | 8 | ---- | ---- | ---- | ---- | ---- |
| Arsenic | 5.0 | 1.3 B | 1.1 B | 1.2 B | 0.83 B | 0.69 B | 3 | 13[c] | 16[‡] | 16[‡] | 16[‡] | 16[‡] |
| Barium | 124 | 76.4 | 66.4 | 129 | 125 | 132 | 1 | 350[c] | 350[f] | 400 | 400 | 820 |
| Beryllium | 0.51 B | 0.18 B | 0.46 B | 0.36 B | 0.31 B | 0.50 B | 1 | 7.2 | 14 | 72 | 590 | 47 |
| Cadmium | 0.67 B | 0.13 B | 0.50 B | U | 9.0 | 0.48 B | 1 | 2.5[c] | 2.5[f] | 4.3 | 9.3 | 7.5 |
| Calcium | 78900 | 44200 | 61200 | 74700 | 61400 | 70300 | 8 | ---- | ---- | ---- | ---- | ---- |
| Chromium* | 17.0 | 6.0 | 18.0 | 11.8 | 14.2 | 16.7 | 1 | 30[c] | 36 | 180 | 1,500 | ---- |
| Cobalt | 12.3 | 3.9 B | 8.8 B | 8.9 B | 8.4 B | 10.1 | 2 | ---- | ---- | ---- | ---- | ---- |
| Copper | 33.7 | 11.4 | 13.1 | 23.2 | 28.8 | 25.2 | 1 | 50 | 270 | 270 | 270 | 1,720 |
| Iron | 21700 | 9970 | 19300 | 18600 | 73900 | 20500 | 20 | ---- | ---- | ---- | ---- | ---- |
| Lead | 94.7 | 5.1 | 9.2 | 12.4 | 36.5 | 10.6 | 2 | 63[c] | 400 | 400 | 1,000 | 450 |
| Magnesium | 15900 | 8450 | 23000 | 20900 | 15000 | 25700 | 8 | ---- | ---- | ---- | ---- | ---- |
| Manganese | 627 | 206 | 492 | 452 | 634 | 430 | 4 | 1,600[c] | 2,000[f] | 2,000[f] | 10,000[d] | 2,000[f] |
| Mercury | 0.015 | U | 0.057 B | 0.020 | 0.087 B | 0.017 | 0.2 | 0.18[c] | 0.81[j] | 0.81[j] | 2.8[j] | 0.73 |
| Nickel | 28.5 | 9.9 | 25.6 | 19.1 | 20.7 | 27.0 | 2 | 30 | 140 | 310 | 310 | 130 |
| Potassium | 2020 | 496 B | 1960 | 1610 | 994 B | 1870 | 20 | ---- | ---- | ---- | ---- | ---- |
| Selenium | 1.3 | 2.0 | 0.77 B | 1.2 | U | 2.5 | 4 | 3.9[c] | 36 | 180 | 1,500 | 4[f] |
| Silver | 0.81 B | 0.92 B | 0.39 B | 0.99 B | U | 0.38 B | 1 | 2 | 36 | 180 | 1,500 | 8.3 |
| Sodium | 135 B | 89.8 B | 117 B | 126 B | 114 B | 257 B | 9 | ---- | ---- | ---- | ---- | ---- |
| Thallium | U | U | 0.30 | 0.45 B | 8.5 | 0.32 | 5 | ---- | ---- | ---- | ---- | ---- |
| Vanadium | 19.5 | 7.4 B | 19.7 | 14.1 | 16.5 | 17.7 | 1 | ---- | ---- | ---- | ---- | ---- |
| Zinc | 73.1 | 21.8 | 49.1 | 39.8 | 1510 | 58.4 | 1 | 109[c] | 2,200 | 10,000[d] | 10,000[d] | 2,480 |
| Cyanide | 0.068 | U | U | 0.061 | U | U | 2.0 | 27 | 27 | 27 | 27 | 40 |

QUALIFIERS:
B: Compound found in the method blank as well as the sample
D: Result taken from a reanalysis at a secondary dilution
J: Compound found at a concentration below the CRDL, value estimated
U: Compound analyzed for but not detected

Indicates the value exceeds the NYSDEC Commercial SCO

NOTES:
All concentrations are in micrograms per kilogram (mg/kg) or parts per million (ppm
1: 6 NYCRR PART 375 - Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives (SCOs)
2: 6 NYCRR PART 375 - Table 375-6.8(b): Restricted Use SCOs
c: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 1
d: The SCOs for metals were capped at a maximum value of 10,000 ppm
f: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site
j: This SCO is the lower of the values for mercury (elemental) or mercury (inorganic salts)
*: This SCO is the higher of the values for chromium (trivalent) SCO value for this use of the site
----: not established

**TABLE 3a.**
**McKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**GROUNDWATER SAMPLE RESULTS**
**VOLATILE ORGANIC COMPOUNDS**

| Sample Identification | MW-1 | MW-1A | MW-2 | MW-2A | MW-3 | MW-3A | MW-4 | MW-4 | Contract Required Detection Limit | NYSDEC Class GA Groundwater Standard or Guidance Value |
|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 03/20/08 | 10/07/10 | 03/20/08 | 10/07/10 | 03/20/08 | 10/07/10 | 03/20/08 | 10/07/10 | | |
| Dilution Factor | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | |
| Units | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) |
| Dichlorodifluoromethane | U | U | U | U | NS | U | U | U | 10 | 5 ST |
| Chloromethane | U | U | U | U | NS | U | U | U | 10 | 5 ST |
| Vinyl Chloride | U | U | U | U | NS | U | U | U | 10 | 2 ST |
| Bromomethane | U | U | U | U | NS | U | U | U | 10 | 5 ST |
| Chloroethane | U | U | U | U | NS | U | U | U | 10 | 5 ST |
| Trichlorofluoromethane | U | U | U | U | NS | U | U | U | 10 | 5 ST |
| 1,1-Dichloroethene | U | U | U | U | NS | U | U | U | 10 | 5 ST |
| 1,1,2-trichloro-1,2,2-trifluoroethane | U | U | U | U | NS | U | U | U | 10 | ---- |
| Acetone | U | U | U | U | NS | U | U | U | 10 | 50GV |
| Carbon Disulfide | U | U | U | U | NS | U | U | U | 10 | 60GV |
| Methyl Acetate | U | U | U | U | NS | U | U | U | 10 | ---- |
| Methylene Chloride | U | U | U | U | NS | U | U | U | 10 | 5 ST |
| trans-1,2-dichloroethene | U | U | U | U | NS | U | U | U | 10 | 5 ST |
| Methyl tert-Butyl Ether | **17** | U | U | U | NS | U | 2.9 J | U | 10 | 10GV |
| 1,1-Dichloroethane | U | U | U | U | NS | U | U | U | 10 | 5 ST |
| cis-1,2-Dichloroethene | U | U | U | U | NS | U | U | U | 10 | 5 ST |
| 2-Butanone | U | U | U | U | NS | U | U | U | 10 | 50GV |
| Chloroform | U | U | U | U | NS | U | U | U | 10 | 7 ST |
| 1,1,1-Trichloroethane | U | U | U | U | NS | U | U | U | 10 | 5 ST |
| Cyclohexane | U | U | U | U | NS | U | U | U | 10 | ---- |
| Carbon Tetrachloride | U | U | U | U | NS | U | U | U | 10 | 5 ST |
| Benzene | U | U | **2.4 J** | U | NS | U | U | U | 10 | 1 ST |
| 1,2-Dichloroethane | U | U | U | U | NS | U | U | U | 10 | 0.6 ST |
| Trichloroethene | U | U | U | U | NS | U | **22** | U | 10 | 5 ST |
| Methylcyclohexane | U | U | U | U | NS | U | U | U | 10 | ---- |
| 1,2-Dichloropropane | U | U | U | U | NS | U | U | U | 10 | 1 ST |
| Bromodichloromethane | U | U | U | U | NS | U | U | U | 10 | 50GV |
| cis-1,3-Dichloropropene | U | U | U | U | NS | U | U | U | 10 | 0.4 ST * |
| 4-Methyl-2-Pentanone | U | U | U | U | NS | U | U | U | 10 | ---- |
| Toluene | U | U | U | U | NS | U | U | U | 10 | 5 ST |
| Trans-1,3-Dichloropropene | U | U | U | U | NS | U | U | U | 10 | 0.4 ST * |
| 1,1,2-Trichloroethane | U | U | U | U | NS | U | U | U | 10 | 1 ST |
| Tetrachloroethene | U | U | U | U | NS | U | U | U | 10 | 5 ST |
| 2-Hexanone | U | U | U | U | NS | U | U | U | 10 | 50GV |
| Dibromochloromethane | U | U | U | U | NS | U | U | U | 10 | 50GV |
| 1,2-Dibromoethane | U | U | U | U | NS | U | U | U | 10 | ---- |
| Chlorobenzene | U | U | U | U | NS | U | U | U | 10 | 5 ST |
| Ethylbenzene | U | U | 3.8 J | U | NS | U | U | U | 10 | 5 ST |
| Total Xylenes | U | U | **8.2 J** | U | NS | U | U | U | 10 | 5 ST |
| Styrene | U | U | U | U | NS | U | U | U | 10 | 5 ST |
| Bromoform | U | U | U | U | NS | U | U | U | 10 | 50GV |
| Isopropylbenzene | U | U | U | U | NS | U | U | U | 10 | 5 ST |
| 1,1,2,2-Tetrachloroethane | U | U | U | U | NS | U | U | U | 10 | 5 ST |
| 1,3-Dichlorobenzene | U | U | U | U | NS | U | U | U | 10 | 3 ST |
| 1,4-Dichlorobenzene | U | U | U | U | NS | U | U | U | 10 | 3 ST |
| 1,2-Dichlorobenzene | U | U | U | U | NS | U | U | U | 10 | 3 ST |
| 1,2-Dibromo-3-chloropropane | U | U | U | U | NS | U | U | U | 10 | 0.04 ST |
| 1,2,4-Trichlorobenzene | U | U | U | U | NS | U | U | U | 10 | 5 ST |
| **Total VOCs** | 17 | 0 | 14.4 | 0 | NS | 0 | 24.9 | 0 | | ---- |
| **Total VOC TICs** | 0 | 0 | 253.9 | 26 | NS | 0 | 0 | 0 | | ---- |

QUALIFIERS:
U: Compound analyzed for but not detected
J: Compound found at a concentration below the CRDL, value estimated

NOTES:
*: Value pertains to the sum of the isomers
GV: Guidance Value
ST: Standard
NS: Not sampled due to the presence of free product in the well
----: Not established
Indicates value exceeds standard or guidance value.

**TABLE 3a.**
**McKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**GROUNDWATER SAMPLE RESULTS**
**VOLATILE ORGANIC COMPOUNDS**

| Sample Identification | MW-5 | MW-5 | MW-6 | MW-6 | MW-7 | MW-7 | MW-8 | MW-8 | Contract Required Detection Limit | NYSDEC Class GA Groundwater Standard or Guidance Value |
|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 03/20/08 | 10/07/10 | 03/20/08 | 10/07/10 | 03/20/08 | 10/07/10 | 03/19/10 | 10/07/10 | | |
| Dilution Factor | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | |
| Units | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) |
| Dichlorodifluoromethane | U | U | U | U | U | U | U | U | 10 | 5 ST |
| Chloromethane | U | U | U | U | U | U | U | U | 10 | 5 ST |
| Vinyl Chloride | U | U | U | U | U | U | U | U | 10 | 2 ST |
| Bromomethane | U | U | U | U | U | U | U | U | 10 | 5 ST |
| Chloroethane | U | U | U | U | U | U | U | U | 10 | 5 ST |
| Trichlorofluoromethane | U | U | U | U | U | U | U | U | 10 | 5 ST |
| 1,1-Dichloroethene | U | U | U | U | U | U | U | U | 10 | 5 ST |
| 1,1,2-trichloro-1,2,2-trifluoroethane | U | U | U | U | U | U | U | U | 10 | ---- |
| Acetone | U | U | U | U | U | U | U | U | 10 | 50GV |
| Carbon Disulfide | U | U | U | U | U | U | U | U | 10 | 60GV |
| Methyl Acetate | U | U | U | U | U | U | U | U | 10 | ---- |
| Methylene Chloride | U | U | U | U | U | U | U | U | 10 | 5 ST |
| trans-1,2-dichloroethene | U | U | U | U | U | U | U | U | 10 | 5 ST |
| Methyl tert-Butyl Ether | U | U | U | U | U | 5.2 J | U | U | 10 | 10GV |
| 1,1-Dichloroethane | U | U | U | U | U | U | U | U | 10 | 5 ST |
| cis-1,2-Dichloroethene | U | U | U | U | U | U | U | U | 10 | 5 ST |
| 2-Butanone | U | U | U | U | U | U | U | U | 10 | 50GV |
| Chloroform | **16** | U | U | U | U | U | U | U | 10 | 7 ST |
| 1,1,1-Trichloroethane | U | U | U | U | U | U | U | U | 10 | 5 ST |
| Cyclohexane | U | U | U | U | U | U | U | U | 10 | ---- |
| Carbon Tetrachloride | U | U | U | U | U | U | U | U | 10 | 5 ST |
| Benzene | U | U | U | U | U | U | U | U | 10 | 1 ST |
| 1,2-Dichloroethane | U | U | U | U | U | U | U | U | 10 | 0.6 ST |
| Trichloroethene | U | U | U | U | U | U | U | U | 10 | 5 ST |
| Methylcyclohexane | U | U | U | U | U | U | U | U | 10 | ---- |
| 1,2-Dichloropropane | U | U | U | U | U | U | U | U | 10 | 1 ST |
| Bromodichloromethane | 2.4 J | U | U | U | U | U | U | U | 10 | 50GV |
| cis-1,3-Dichloropropene | U | U | U | U | U | U | U | U | 10 | 0.4 ST * |
| 4-Methyl-2-Pentanone | U | U | U | U | U | U | U | U | 10 | ---- |
| Toluene | U | U | U | U | U | U | U | U | 10 | 5 ST |
| Trans-1,3-Dichloropropene | U | U | U | U | U | U | U | U | 10 | 0.4 ST * |
| 1,1,2-Trichloroethane | U | U | U | U | U | U | U | U | 10 | 1 ST |
| Tetrachloroethene | U | U | U | U | U | U | U | U | 10 | 5 ST |
| 2-Hexanone | U | U | U | U | U | U | U | U | 10 | 50GV |
| Dibromochloromethane | U | U | U | U | U | U | U | U | 10 | 50GV |
| 1,2-Dibromoethane | U | U | U | U | U | U | U | U | 10 | ---- |
| Chlorobenzene | U | U | **16** | U | U | U | U | U | 10 | 5 ST |
| Ethylbenzene | U | U | U | U | U | U | U | U | 10 | 5 ST |
| Total Xylenes | U | U | U | U | U | U | U | U | 10 | 5 ST |
| Styrene | U | U | U | U | U | U | U | U | 10 | 5 ST |
| Bromoform | U | U | U | U | U | U | U | U | 10 | 50GV |
| Isopropylbenzene | U | U | U | U | U | U | U | U | 10 | 5 ST |
| 1,1,2,2-Tetrachloroethane | U | U | U | U | U | U | U | U | 10 | 5 ST |
| 1,3-Dichlorobenzene | U | U | U | U | U | U | U | U | 10 | 3 ST |
| 1,4-Dichlorobenzene | U | U | U | U | U | U | U | U | 10 | 3 ST |
| 1,2-Dichlorobenzene | U | U | **21** | **14** | U | U | U | U | 10 | 3 ST |
| 1,2-Dibromo-3-chloropropane | U | U | U | U | U | U | U | U | 10 | 0.04 ST |
| 1,2,4-Trichlorobenzene | U | U | U | U | U | U | U | U | 10 | 5 ST |
| **Total VOCs** | 18.4 | 0 | 37 | 0 | 0 | 5.2 | 0 | 0 | | ---- |
| **Total VOC TICs** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | ---- |

QUALIFIERS:
U: Compound analyzed for but not detected
J: Compound found at a concentration below the CRDL, value estimated

NOTES:
*: Value pertains to the sum of the isomers
GV: Guidance Value
ST: Standard
NS: Not sampled due to the presence of free product in the well
----: Not established
Indicates value exceeds standard or guidance value.

**TABLE 3b.**
**McKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**GROUNDWATER SAMPLE RESULTS**
**SEMIVOLATILE ORGANIC COMPOUNDS**

| Sample Identification | **MW-1** | **MW-1A** | **MW-2** | **MW-2A** | **MW-3** | **MW-3A** | **MW-4** | **MW-4** | Contract Required Detection Limit | NYSDEC Class GA Groundwater Standard or Guidance Value |
|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 03/20/08 | 10/07/10 | 03/20/08 | 10/07/10 | 03/20/08 | 10/07/10 | 03/20/08 | 10/07/10 | | |
| Dilution Factor | 1.0 | 1.0 | 10.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | |
| Units | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/L) | (ug/l) |
| Benzaldehyde | U | U | U | U | NS | U | U | U | 10 | ---- |
| Phenol | U | U | U | U | NS | U | U | U | 10 | 1 ST * |
| bis(2-Chloroethyl)ether | U | U | U | U | NS | U | U | U | 10 | 1 ST |
| 2-Chlorophenol | U | U | U | U | NS | U | U | U | 10 | 1 ST * |
| 2-Methylphenol | U | U | U | U | NS | U | U | U | 10 | 1 ST * |
| 2,2-Oxybis (1-Chloropropane) | U | U | U | U | NS | U | U | U | 10 | ---- |
| Acetophenone | U | U | U | U | NS | U | U | U | 10 | ---- |
| 4-Methylphenol | U | U | U | U | NS | U | U | U | 10 | 1 ST * |
| N-Nitroso-di-n-propylamine | U | U | U | U | NS | U | U | U | 10 | ---- |
| Hexachloroethane | U | U | U | U | NS | U | U | U | 10 | 5 ST |
| Nitrobenzene | U | U | U | U | NS | U | U | U | 10 | 0.4 ST |
| Isophorone | U | U | U | U | NS | U | U | U | 10 | 50 GV |
| 2-Nitrophenol | U | U | U | U | NS | U | U | U | 10 | ---- |
| 2,4-Dimethylphenol | U | U | U | U | NS | U | U | U | 10 | 1 ST * |
| bis(2-Chloroethoxy)methane | U | U | U | U | NS | U | U | U | 10 | 5 ST |
| 2,4-Dichlorophenol | U | U | U | U | NS | U | U | U | 10 | 1 ST * |
| Naphthalene | U | U | **600 D** | U | NS | U | U | U | 10 | 10 GV |
| 4-Chloroaniline | U | U | U | U | NS | U | U | U | 10 | 5 ST |
| Hexachlorobutadiene | U | U | U | U | NS | U | U | U | 10 | 0.5 ST |
| Caprolactum | U | U | U | U | NS | U | U | U | 10 | ---- |
| 4-Chloro-3-methylphenol | U | U | U | U | NS | U | U | U | 10 | ---- |
| 2-Methylnaphthalene | U | U | 40 | U | NS | U | U | U | 10 | ---- |
| Hexachlorocyclopentadiene | U | U | U | U | NS | U | U | U | 10 | 5 ST |
| 2,4,6-Trichlorophenol | U | U | U | U | NS | U | U | U | 10 | ---- |
| 2,4,5-Trichlorophenol | U | U | U | U | NS | U | U | U | 25 | ---- |
| 1-1'-Biphenyl | U | U | 3 J | U | NS | U | U | U | 10 | 5 ST |
| 2-Chloronaphthalene | U | U | U | U | NS | U | U | U | 10 | 5 ST |
| 2-Nitroaniline | U | U | U | U | NS | U | U | U | 25 | 5 ST |
| Dimethylphthalate | U | U | U | U | NS | U | U | U | 10 | 50 GV |
| 2,6-Dinitrotoluene | U | U | U | U | NS | U | U | U | 10 | 5 ST |
| Acenaphthylene | U | U | U | U | NS | U | U | U | 10 | ---- |
| 3-Nitroaniline | U | U | U | U | NS | U | U | U | 25 | 5 ST |
| Acenaphthene | U | U | **36** | U | NS | U | U | U | 10 | 20 GV |
| 2,4-Dinitrophenol | U | U | U | U | NS | U | U | U | 25 | 1 ST * |
| 4-Nitrophenol | U | U | U | U | NS | U | U | U | 25 | ---- |
| Dibenzofuran | U | U | 20 | U | NS | U | U | U | 10 | ---- |

**TABLE 3b. (CONTINUED)**
**McKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**GROUNDWATER SAMPLE RESULTS**
**SEMIVOLATILE ORGANIC COMPOUNDS**

| Sample Identification | **MW-1** | **MW-1A** | **MW-2** | **MW-2A** | **MW-3** | **MW-3A** | **MW-4** | **MW-4** | Contract Required Detection Limit | NYSDEC Class GA Groundwater Standard or Guidance Value |
|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 03/20/08 | 10/07/10 | 03/20/08 | 10/07/10 | 03/20/08 | 10/07/10 | 03/20/08 | 10/07/10 | | |
| Dilution Factor | 1.0 | 1.0 | 10.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | |
| Units | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) |
| 2,4-Dinitrotoluene | U | U | U | U | NS | U | U | U | 10 | 5 ST |
| Diethylphthalate | U | U | U | U | NS | U | U | U | 10 | 50 GV |
| Fluorene | U | U | 21 | U | NS | U | U | U | 10 | 50 GV |
| 4-Chlorophenyl-phenylether | U | U | U | U | NS | U | U | U | 10 | ---- |
| 4-Nitroaniline | U | U | U | U | NS | U | U | U | 25 | 5 ST |
| 4,6-Dinitro-2-methylphenol | U | U | U | U | NS | U | U | U | 25 | ---- |
| N-Nitrosodiphenylamine | U | U | U | U | NS | U | U | U | 10 | 50 GV |
| 4-Bromophenyl-phenylether | U | U | U | U | NS | U | U | U | 10 | ---- |
| Hexachlorobenzene | U | U | U | U | NS | U | U | U | 10 | 0.04 ST |
| Atrazine | U | U | U | U | NS | U | U | U | 10 | 7.5 ST |
| Pentachlorophenol | U | U | U | U | NS | U | U | U | 25 | 1 ST * |
| Phenanthrene | U | U | 2.5 J | U | NS | U | U | U | 10 | 50 GV |
| Anthracene | U | U | U | U | NS | U | U | U | 10 | 50 GV |
| Carbazole | U | U | 17 | U | NS | U | U | U | 10 | ---- |
| Di-n-butylphthalate | U | U | U | U | NS | U | U | U | 10 | 50 ST |
| Fluoranthene | U | U | U | U | NS | U | U | U | 10 | 50 GV |
| Pyrene | U | U | U | U | NS | U | U | U | 10 | 50 GV |
| Butylbenzylphthalate | U | U | U | U | NS | U | U | U | 10 | 50 GV |
| 3,3'-Dichlorobenzidine | U | U | U | U | NS | U | U | U | 10 | 5 ST |
| Benzo (a) anthracene | U | U | U | U | NS | U | U | U | 10 | 0.002 GV |
| Chrysene | U | U | U | U | NS | U | U | U | 10 | 0.002 GV |
| bis(2-Ethylhexyl)phthalate | U | U | 1.2 J | U | NS | 1.2 J | 1.2 J | U | 10 | 5 ST |
| Di-n-octylphthalate | U | U | U | U | NS | U | U | U | 10 | 50 GV |
| Benzo(b)fluoranthene | U | U | U | U | NS | U | U | U | 10 | 0.002 GV |
| Benzo(k)fluoranthene | U | U | U | U | NS | U | U | U | 10 | 0.002 GV |
| Benzo(a)pyrene | U | U | U | U | NS | U | U | U | 10 | ND ST |
| Indeno(1,2,3-cd)pyrene | U | U | U | U | NS | U | U | U | 10 | 0.002 GV |
| Dibenzo(a,h)anthracene | U | U | U | U | NS | U | U | U | 10 | ---- |
| Benzo(g,h,i)perylene | U | U | U | U | NS | U | U | U | 10 | ---- |
| **Total PAHs** | 0 | 0 | 699.5 | 0 | NS | 0 | 0 | 0 | | |
| **Total Carcinogen PAHs** | 0 | 0 | 0 | 0 | NS | 0 | 0 | 0 | | |
| **Total SVOCs** | 0 | 0 | 740.7 | 0 | NS | 1.2 | 1.2 | 0 | | |
| **Total SVOC TICs** | 3.5 | 21 | 4,402 | 2,244 | NS | 114 | 69 | 28.6 | | |

QUALIFIERS:
U: Compound analyzed for but not detected
J: Compound found at a concentration below the CRDL, value estimated
D: Result is taken from reanalysis at a secondary dilution

NOTES:
* : Applies to Total Phenols
GV: Guidance Value
ST: Standard
NS: Not sampled due to the presence of free product in the well
----: Not established
Indicates value exceeds standard or guidance value.

**TABLE 3b.**
**McKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**GROUNDWATER SAMPLE RESULTS**
**SEMIVOLATILE ORGANIC COMPOUNDS**

| Sample Identification | **MW-5** | **MW-5** | **MW-6** | **MW-6** | **MW-7** | **MW-7** | **MW-8** | **MW-8** | Contract Required Detection Limit | NYSDEC Class GA Groundwater Standard or Guidance Value |
|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 03/20/08 | 10/07/10 | 03/20/08 | 10/07/10 | 03/20/08 | 10/07/10 | 03/19/10 | 10/07/10 | | |
| Dilution Factor | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | |
| Units | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/L) | (ug/l) |
| Benzaldehyde | U | U | U | U | U | U | U | U | 10 | ---- |
| Phenol | U | U | U | U | U | U | U | U | 10 | 1 ST * |
| bis(2-Chloroethyl)ether | U | U | U | U | U | U | U | U | 10 | 1 ST |
| 2-Chlorophenol | U | U | U | U | U | U | U | U | 10 | 1 ST * |
| 2-Methylphenol | U | U | U | U | U | U | U | U | 10 | 1 ST * |
| 2,2-Oxybis (1-Chloropropane) | U | U | U | U | U | U | U | U | 10 | ---- |
| Acetophenone | U | U | U | U | U | U | U | U | 10 | ---- |
| 4-Methylphenol | U | U | U | U | U | U | U | U | 10 | 1 ST * |
| N-Nitroso-di-n-propylamine | U | U | U | U | U | U | U | U | 10 | ---- |
| Hexachloroethane | U | U | U | U | U | U | U | U | 10 | 5 ST |
| Nitrobenzene | U | U | U | U | U | U | U | U | 10 | 0.4 ST |
| Isophorone | U | U | U | U | U | U | U | U | 10 | 50 GV |
| 2-Nitrophenol | U | U | U | U | U | U | U | U | 10 | ---- |
| 2,4-Dimethylphenol | U | U | U | U | U | U | U | U | 10 | 1 ST * |
| bis(2-Chloroethoxy)methane | U | U | U | U | U | U | U | U | 10 | 5 ST |
| 2,4-Dichlorophenol | U | U | U | U | U | U | U | U | 10 | 1 ST * |
| Naphthalene | U | U | U | U | U | U | U | U | 10 | 10 GV |
| 4-Chloroaniline | U | U | U | U | U | U | U | U | 10 | 5 ST |
| Hexachlorobutadiene | U | U | U | U | U | U | U | U | 10 | 0.5 ST |
| Caprolactum | U | U | U | U | U | U | U | U | 10 | ---- |
| 4-Chloro-3-methylphenol | U | U | U | U | U | U | U | U | 10 | ---- |
| 2-Methylnaphthalene | U | U | U | U | U | U | U | U | 10 | ---- |
| Hexachlorocyclopentadiene | U | U | U | U | U | U | U | U | 10 | 5 ST |
| 2,4,6-Trichlorophenol | U | U | U | U | U | U | U | U | 10 | ---- |
| 2,4,5-Trichlorophenol | U | U | U | U | U | U | U | U | 25 | ---- |
| 1-1'-Biphenyl | U | U | U | U | U | U | U | U | 10 | 5 ST |
| 2-Chloronaphthalene | U | U | U | U | U | U | U | U | 10 | 5 ST |
| 2-Nitroaniline | U | U | U | U | U | U | U | U | 25 | 5 ST |
| Dimethylphthalate | U | U | U | U | U | U | U | U | 10 | 50 GV |
| 2,6-Dinitrotoluene | U | U | U | U | U | U | U | U | 10 | 5 ST |
| Acenaphthylene | U | U | U | U | U | U | U | U | 10 | ---- |
| 3-Nitroaniline | U | U | U | U | U | U | U | U | 25 | 5 ST |
| Acenaphthene | U | U | U | U | U | U | U | U | 10 | 20 GV |
| 2,4-Dinitrophenol | U | U | U | U | U | U | U | U | 25 | 1 ST * |
| 4-Nitrophenol | U | U | U | U | U | U | U | U | 25 | ---- |
| Dibenzofuran | U | U | U | U | U | U | U | U | 10 | ---- |

**TABLE 3b. (CONTINUED)**
**McKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**GROUNDWATER SAMPLE RESULTS**
**SEMIVOLATILE ORGANIC COMPOUNDS**

| Sample Identification | **MW-5** | **MW-5** | **MW-6** | **MW-6** | **MW-7** | **MW-7** | **MW-8** | **MW-8** | Contract Required Detection Limit | NYSDEC Class GA Groundwater Standard or Guidance Value |
|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 03/20/08 | 10/07/10 | 03/20/08 | 10/07/10 | 03/20/08 | 10/07/10 | 03/19/10 | 10/07/10 | | |
| Dilution Factor | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | |
| Units | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) |
| 2,4-Dinitrotoluene | U | U | U | U | U | U | U | U | 10 | 5 ST |
| Diethylphthalate | U | U | U | U | U | U | U | U | 10 | 50 GV |
| Fluorene | U | U | U | U | U | U | U | U | 10 | 50 GV |
| 4-Chlorophenyl-phenylether | U | U | U | U | U | U | U | U | 10 | ---- |
| 4-Nitroaniline | U | U | U | U | U | U | U | U | 25 | 5 ST |
| 4,6-Dinitro-2-methylphenol | U | U | U | U | U | U | U | U | 25 | ---- |
| N-Nitrosodiphenylamine | U | U | U | U | U | U | U | U | 10 | 50 GV |
| 4-Bromophenyl-phenylether | U | U | U | U | U | U | U | U | 10 | ---- |
| Hexachlorobenzene | U | U | U | U | U | U | U | U | 10 | 0.04 ST |
| Atrazine | U | U | U | U | U | U | U | U | 10 | 7.5 ST |
| Pentachlorophenol | U | U | U | U | U | U | U | U | 25 | 1 ST * |
| Phenanthrene | U | U | U | U | U | U | U | U | 10 | 50 GV |
| Anthracene | U | U | U | U | U | U | U | U | 10 | 50 GV |
| Carbazole | U | U | U | U | U | U | U | U | 10 | ---- |
| Di-n-butylphthalate | U | U | U | U | U | U | U | U | 10 | 50 ST |
| Fluoranthene | U | U | U | U | U | U | U | U | 10 | 50 GV |
| Pyrene | U | U | U | U | U | U | U | U | 10 | 50 GV |
| Butylbenzylphthalate | U | U | U | U | U | U | U | U | 10 | 50 GV |
| 3,3'-Dichlorobenzidine | U | U | U | U | U | U | U | U | 10 | 5 ST |
| Benzo (a) anthracene | U | U | U | U | U | U | U | U | 10 | 0.002 GV |
| Chrysene | U | U | U | U | U | U | U | U | 10 | 0.002 GV |
| bis(2-Ethylhexyl)phthalate | U | U | 2.4 J | U | U | U | U | U | 10 | 5 ST |
| Di-n-octylphthalate | U | U | U | U | U | U | U | U | 10 | 50 GV |
| Benzo(b)fluoranthene | U | U | U | U | U | U | U | U | 10 | 0.002 GV |
| Benzo(k)fluoranthene | U | U | U | U | U | U | U | U | 10 | 0.002 GV |
| Benzo(a)pyrene | U | U | U | U | U | U | U | U | 10 | ND ST |
| Indeno(1,2,3-cd)pyrene | U | U | U | U | U | U | U | U | 10 | 0.002 GV |
| Dibenzo(a,h)anthracene | U | U | U | U | U | U | U | U | 10 | ---- |
| Benzo(g,h,i)perylene | U | U | U | U | U | U | U | U | 10 | ---- |
| **Total PAHs** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| **Total Carcinogen PAHs** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| **Total SVOCs** | 0 | 0 | 2.4 | 0 | 0 | 0 | 0 | 0 | | |
| **Total SVOC TICs** | 2.7 | 15 | 9.1 | 9.6 | 4.4 | 12 | 0 | 5.9 | | |

QUALIFIERS:
U: Compound analyzed for but not detected
J: Compound found at a concentration below the CRDL, value estimated
D: Result is taken from reanalysis at a secondary dilution

NOTES:
* : Applies to Total Phenols
GV: Guidance Value
ST: Standard
NS: Not sampled due to the presence of free product in the well
----: Not established
Indicates value exceeds standard or guidance value.

**TABLE 3c.**
**McKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**GROUNDWATER SAMPLE RESULTS**
**PESTICIDE/PCBs**

| Sample Identification | **MW-1** | **MW-1A** | **MW-2** | **MW-2A** | **MW-3** | **MW-3A** | **MW-4** | **MW-4** | Contract Required Detection Limit | NYSDEC Class GA Groundwater Standard or Guidance Value |
|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 03/20/08 | 10/07/10 | 03/20/08 | 10/07/10 | 03/20/08 | 10/07/10 | 03/20/08 | 10/07/10 | | |
| Dilution Factor | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | |
| Units | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) |
| alpha-BHC | U | U | U | U | NS | U | U | U | 0.05 | 0.01 ST |
| beta-BHC | U | U | U | **0.091 J** | NS | **0.054 J** | U | U | 0.05 | 0.04 ST |
| delta-BHC | U | U | U | U | NS | U | U | U | 0.05 | 0.04 ST |
| gamma-BHC (Lindane) | U | U | U | U | NS | U | U | U | 0.05 | 0.05 ST |
| Heptachlor | U | U | U | U | NS | U | U | U | 0.05 | 0.04 ST |
| Aldrin | U | U | U | U | NS | U | U | U | 0.05 | ND ST |
| Heptachlor Epoxide | U | U | U | U | NS | U | U | U | 0.05 | 0.03 ST |
| Endosulfan I | U | U | U | 0.070 J | NS | U | U | U | 0.05 | ---- |
| Dieldrin | U | U | U | U | NS | U | U | U | 0.10 | 0.004 ST |
| 4,4'-DDE | U | U | U | U | NS | U | U | U | 0.10 | 0.2 ST |
| Endrin | U | U | U | U | NS | U | U | U | 0.10 | ND ST |
| Endosulfan II | U | U | U | U | NS | U | U | U | 0.10 | ---- |
| 4,4'-DDD | U | U | U | U | NS | U | U | U | 0.10 | 0.3 ST |
| Endosulfan Sulfate | U | U | U | U | NS | 0.071 J | U | U | 0.10 | ---- |
| 4,4'-DDT | U | U | U | U | NS | U | U | U | 0.10 | 0.2 ST |
| Methoxychlor | U | U | U | U | NS | U | U | U | 0.50 | 35 ST |
| Endrin Ketone | U | U | U | U | NS | U | U | U | 0.10 | 5 ST |
| Endrin Aldehyde | U | U | U | U | NS | U | U | U | 0.10 | 5 ST |
| alpha-Chlordane | U | U | U | U | NS | U | U | U | 0.05 | 0.05 ST |
| gamma-Chlordane | U | U | U | U | NS | U | U | U | 0.05 | 0.05 ST |
| Toxaphene | U | U | U | U | NS | U | U | U | 5.0 | 0.06 ST |
| Aroclor-1016 | U | U | U | U | NS | U | U | U | 1.0 | 0.09 ST * |
| Aroclor-1221 | U | U | U | U | NS | U | U | U | 2.0 | 0.09 ST * |
| Aroclor-1232 | U | U | U | U | NS | U | U | U | 1.0 | 0.09 ST * |
| Aroclor-1242 | U | U | U | U | NS | U | U | U | 1.0 | 0.09 ST * |
| Aroclor-1248 | U | U | U | U | NS | U | U | U | 1.0 | 0.09 ST * |
| Aroclor-1254 | U | U | U | U | NS | U | U | U | 1.0 | 0.09 ST * |
| Aroclor-1260 | U | U | U | U | NS | U | U | U | 1.0 | 0.09 ST * |
| **Total Pesticides** | 0 | 0 | 0 | 0 | NS | 0 | 0 | 0 | | |
| **Total PCBs** | 0 | 0 | 0 | 0 | NS | 0 | 0 | 0 | | |

QUALIFIERS:
U: Compound analyzed for but not detected
J: Estimated value.

NOTES:
*: Applies to the sum of the isomers
ST: Standard
---: Not established
NS: Not sampled due to the presence of free product in the well
Indicates value exceeds standard.

**TABLE 3c.**
**McKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**GROUNDWATER SAMPLE RESULTS**
**PESTICIDE/PCBs**

| Sample Identification | **MW-5** | **MW-5** | **MW-6** | **MW-6** | **MW-7** | **MW-7** | **MW-8** | **MW-8** | Contract Required Detection Limit | NYSDEC Class GA Groundwater Standard or Guidance Value |
|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 03/20/08 | 10/07/10 | 03/20/08 | 10/07/10 | 03/20/08 | 10/07/10 | 03/19/10 | 10/07/10 | | |
| Dilution Factor | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | |
| Units | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) |
| alpha-BHC | U | U | U | U | U | U | U | U | 0.05 | 0.01 ST |
| beta-BHC | U | U | U | U | U | U | U | U | 0.05 | 0.04 ST |
| delta-BHC | U | U | U | U | U | U | U | U | 0.05 | 0.04 ST |
| gamma-BHC (Lindane) | U | U | U | U | U | U | U | U | 0.05 | 0.05 ST |
| Heptachlor | U | U | U | U | U | U | U | U | 0.05 | 0.04 ST |
| Aldrin | U | U | U | U | U | U | U | U | 0.05 | ND ST |
| Heptachlor Epoxide | U | U | U | U | U | U | U | U | 0.05 | 0.03 ST |
| Endosulfan I | U | U | U | U | U | U | U | U | 0.05 | ---- |
| Dieldrin | U | U | U | U | U | U | U | U | 0.10 | 0.004 ST |
| 4,4'-DDE | U | U | U | U | U | U | U | U | 0.10 | 0.2 ST |
| Endrin | U | U | U | U | U | U | U | U | 0.10 | ND ST |
| Endosulfan II | U | U | U | U | U | U | U | U | 0.10 | ---- |
| 4,4'-DDD | U | U | U | U | U | U | U | U | 0.10 | 0.3 ST |
| Endosulfan Sulfate | U | U | U | U | U | U | U | U | 0.10 | ---- |
| 4,4'-DDT | U | U | U | U | U | U | U | U | 0.10 | 0.2 ST |
| Methoxychlor | U | U | U | U | U | U | U | U | 0.50 | 35 ST |
| Endrin Ketone | U | U | U | U | U | U | U | U | 0.10 | 5 ST |
| Endrin Aldehyde | U | U | U | U | U | U | U | U | 0.10 | 5 ST |
| alpha-Chlordane | U | U | U | U | U | U | U | U | 0.05 | 0.05 ST |
| gamma-Chlordane | U | U | U | U | U | U | U | U | 0.05 | 0.05 ST |
| Toxaphene | U | U | U | U | U | U | U | U | 5.0 | 0.06 ST |
| Aroclor-1016 | U | U | U | U | U | U | U | U | 1.0 | 0.09 ST * |
| Aroclor-1221 | U | U | U | U | U | U | U | U | 2.0 | 0.09 ST * |
| Aroclor-1232 | U | U | U | U | U | U | U | U | 1.0 | 0.09 ST * |
| Aroclor-1242 | U | U | U | U | U | U | U | U | 1.0 | 0.09 ST * |
| Aroclor-1248 | U | U | U | U | U | U | U | U | 1.0 | 0.09 ST * |
| Aroclor-1254 | U | U | U | U | U | U | U | U | 1.0 | 0.09 ST * |
| Aroclor-1260 | U | U | U | U | U | U | U | U | 1.0 | 0.09 ST * |
| **Total Pesticides** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| **Total PCBs** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |

QUALIFIERS:
U: Compound analyzed for but not detected
J: Estimated value.

NOTES:
*: Applies to the sum of the isomers
ST: Standard
---: Not established
NS: Not sampled due to the presence of free product in the well
Indicates value exceeds standard.

**TABLE 3d.**
**McKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**GROUNDWATER SAMPLE RESULTS**
**INORGANIC PARAMETERS - UNFILTERED**

| Sample Identification | MW-1 | MW-1A | MW-2 | MW-2A | MW-3 | MW-3A | MW-4 | MW-4 | Instrument Detection Limit | NYSDEC Class GA Groundwater Standard or Guidance Value |
|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 03/20/08 | 10/07/10 | 03/20/08 | 10/07/10 | 03/20/08 | 10/07/10 | 03/20/08 | 10/07/10 | | |
| Dilution Factor | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | |
| Units | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) |
| Aluminum | 18.9 B | 503 | 264 | 128 B | NS | 906 | 2,220 | 232 | 6 | ---- |
| Antimony | 2.1 B | U | U | U | NS | U | U | U | 3 | 3 ST |
| Arsenic | U | U | 4.3 B | U | NS | U | U | U | 3 | 25 ST |
| Barium | 112 B | 191 B | 372 | 624 | NS | 447 | 222 | 177 B | 0.3 | 1,000 ST |
| Beryllium | U | U | U | U | NS | U | 0.063 B | U | 0.3 | 3 GV |
| Cadmium | U | 5 | U | 2.4 B | NS | 1.9 B | U | 0.87 B | 0.2 | 5 ST |
| Calcium | 124,000 | 110,000 | 105,000 | 113,000 | NS | 107,000 | 199,000 | 208,000 | 74 | ---- |
| Chromium | 0.42 B | U | 0.88 B | U | NS | U | 6.4 B | U | 0.4 | 50 ST |
| Cobalt | 1.8 B | U | 3.3 B | U | NS | U | 5.2 B | U | 0.3 | ---- |
| Copper | 3.6 B | U | 4.5 B | U | NS | U | 14.4 B | U | 0.9 | 200 ST |
| Iron | 163 | **1,540 J** | **555** | **450 J** | NS | **2,080 J** | **4,160** | **496 J** | 3 | 300 ST ^ |
| Lead | U | 4.7 B | U | U | NS | U | 4.4 | 4.1 B | 2 | 25 ST |
| Magnesium | 24,300 | 22,700 | 25,800 | 25,000 | NS | 25,300 | **73,600** | **60,000** | 6 | 35,000 GV |
| Manganese | **994** | **980** | **767** | **572** | NS | 254 | **2,190** | **759** | 0.5 | 300 ST ^ |
| Mercury | U | U | U | U | NS | U | 0.083 B | U | 0.1 | 0.7 ST |
| Nickel | 8.5 B | U | 28.5 B | 16.3 B | NS | U | 33.1 B | 17.6 B | 0.5 | 100 ST |
| Potassium | 394 B | 399 B | 476 B | 5,460 | NS | 20,900 | 3,500 B | 7,600 | 58 | ---- |
| Selenium | 5.4 | U | 5.8 | **10.1 B** | NS | U | 4.7 B | U | 4 | 10 ST |
| Silver | 4.5 B | U | 4.4 B | U | NS | U | 4.4 B | U | 2 | 50 ST |
| Sodium | **41,500** | **32,000** | **202,000** | **220,000** | NS | **57,900** | **56,300** | **62,400** | 45 | 20,000 ST |
| Thallium | U | U | U | U | NS | U | U | U | 3 | 0.5 GV |
| Vanadium | 1.2 B | U | 1.1 B | U | NS | U | 4.2 B | U | 0.7 | ---- |
| Zinc | 5.2 B | U | 5.7 B | 146 | NS | 106 | 39.6 | U | 2 | 2,000 GV |
| Cyanide | U | 3.7 B | 15.3 | 20.6 | NS | 16.5 | 20.8 | 10.3 | 3 | 200 ST |

QUALIFIERS:
U: Compound analyzed for but not detected
B: Compound concentration is less than the CRDL but greater than the IDL.
J: Estimated value.

NOTES:
^: The combined standard for iron and manganese is 500 ug/l
GV: Guidance Value
ST: Standard
---: Not established
NS: Not sampled due to the presence of free product in the well
**Bold** Indicates value exceeds standard or guidance value.

**TABLE 3d.**
**McKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**GROUNDWATER SAMPLE RESULTS**
**INORGANIC PARAMETERS - UNFILTERED**

| Sample Identification | MW-5 | MW-5 | MW-6 | MW-6 | MW-7 | MW-7 | MW-8 | MW-8 | Instrument | NYSDEC Class GA Groundwater |
|---|---|---|---|---|---|---|---|---|---|---|
| Date of Collection | 03/20/08 | 10/07/10 | 03/20/08 | 10/07/10 | 03/20/08 | 10/07/10 | 03/19/10 | 10/07/10 | Detection | Standard or |
| Dilution Factor | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | Limit | Guidance Value |
| Units | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) | (ug/l) |
| Aluminum | 123 B | 123 B | 3,220 | 272 | 158 B | 134 B | 6,370 | 280 | 6 | ---- |
| Antimony | **7.9 B** | U | U | U | 1.9 B | U | **8.2 B** | U | 3 | 3 ST |
| Arsenic | 3.4 B | U | 3.7 B | U | U | U | U | U | 3 | 25 ST |
| Barium | 74.8 B | 262 | 106 B | 73.2 B | 77.3 B | 330 | 120 B | 54.1 B | 0.3 | 1,000 ST |
| Beryllium | U | U | 0.12 B | U | U | U | 0.51 B | U | 0.3 | 3 GV |
| Cadmium | U | 0.79 B | 1.7 B | U | U | **5.6** | 0.41 B | U | 0.2 | 5 ST |
| Calcium | 41,000 | 169,000 | 147,000 | 124,000 | 55,400 | 96,900 | 267,000 | 146,000 | 74 | ---- |
| Chromium | 0.80 B | U | 4.7 B | U | 1.1 B | U | 10.7 | U | 0.4 | 50 ST |
| Cobalt | 0.19 B | U | 6.7 B | U | 1.5 B | U | 9 B | U | 0.3 | ---- |
| Copper | 4.2 B | U | 13.4 B | U | 21.2 B | 40.5 | 26.8 | U | 0.9 | 200 ST |
| Iron | 212 | 261 J | **6,250** | **1,330 J** | **1,020** | **762 J** | **14,100** | **858 J** | 3 | 300 ST ^ |
| Lead | U | U | **31.8** | U | 11.2 | 15.5 | 14.2 | U | 2 | 25 ST |
| Magnesium | 8,390 | 25,600 | **38,900** | 32,800 | 9,690 | 27,200 | **89,400** | **57,500** | 6 | 35,000 GV |
| Manganese | 7 B | 9.3 B | **1,140** | **977** | 210 | **540** | **623** | 38.2 | 0.5 | 300 ST ^ |
| Mercury | U | U | 0.14 B | U | 0.15 B | U | U | U | 0.1 | 0.7 ST |
| Nickel | 0.61 B | U | 36.1 B | 19.2 B | 9.2 B | U | 21.1 B | U | 0.5 | 100 ST |
| Potassium | 1,480 B | 6,760 | 4,320 B | 3,370 B | 15,400 | 12,600 | 2,440 B | 395 B | 58 | ---- |
| Selenium | 8.4 | U | **11.1** | U | 9.8 | U | **11.1 B** | 16 B | 4 | 10 ST |
| Silver | 3.6 B | U | 3.0 B | U | 3.5 B | U | 1.7 B | U | 2 | 50 ST |
| Sodium | 11,300 | **23,200** | **59,000** | **64,500** | 13,200 | **35,600** | **42,700** | **91,500** | 45 | 20,000 ST |
| Thallium | U | U | U | U | U | U | U | U | 3 | 0.5 GV |
| Vanadium | 0.7 B | U | 5.6 B | U | 0.62 B | U | 11.7 B | U | 0.7 | ---- |
| Zinc | 4.1 B | U | 85.8 | U | 606 | 750 | 66 | U | 2 | 2,000 GV |
| Cyanide | U | 7.4 B | U | U | U | 3.6 B | 8.2 B | 3.1 B | 3 | 200 ST |

QUALIFIERS:
U: Compound analyzed for but not detected
B: Compound concentration is less than the CRDL but greater than the IDL.
J: Estimated value.

NOTES:
^: The combined standard for iron and manganese is 500 ug/l
GV: Guidance Value
ST: Standard
---: Not established
NS: Not sampled due to the presence of free product in the well
**[ ]** Indicates value exceeds standard or guidance value.

**TABLE 4a.**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**AIR SAMPLE RESULTS - SEPTEMBER 2008**
**VOLATILE ORGANIC COMPOUNDS**

| Sample Identification | SV-4 | AA-1 |
|---|---|---|
| Sample Type | subsurface | ambient air |
| Date Collected | 9/25/2008 | 9/25/2008 |
| Units | µg/m$^3$ | µg/m$^3$ |
| 1,1,1-Trichloroethane | 5.66 | U |
| 1,1,2,2-Tetrachloroethane | U | U |
| 1,1,2-Trichloroethane | U | U |
| 1,1-Dichloroethane | U | U |
| 1,1,-Dichloroethene | U | U |
| 1,2-Dichloroethane | U | U |
| Benzene | U | 0.779 |
| cis-1,2-Dichloroethene | 0.443 J | U |
| Ethylbenzene | U | 1.32 |
| m&p-Xylene | U | 2.43 |
| Methyl tert-butyl ether | U | U |
| o-Xylene | U | 1.19 |
| Tetrachloroethylene | 4.96 | U |
| Toluene | 0.421 J | 3.26 |
| trans-1,2-Dichloroethene | U | U |
| Trichloroethene | 1.37 | 1.15 |
| Vinyl chloride | U | U |

QUALIFIERS:
J: Analyte detected at or below the quantitation limits
U: Compound analyzed for but not detected

**TABLE 5a**
**McKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**GROUNDWATER SAMPLE RESULTS - SEPTEMBER 2009**
**VOLATILE ORGANIC COMPOUNDS**

| Sample Identification | **Basement** | **Sump** | NYSDEC Class GA Groundwater Standard or Guidance Value |
|---|---|---|---|
| Date of Collection | 09/23/09 | 09/23/09 | |
| Dilution Factor | 1.0 | 1.0 | |
| Units | (ug/l) | (ug/l) | (ug/l) |
| 1,1,1,2-Tetrachloroethane | U | U | 5 ST |
| 1,1,1-Trichloroethane | U | U | 5 ST |
| 1,1,2,2-Tetrachloroethane | U | U | 5 ST |
| 1,1,2-Trichloroethane | U | U | 1 ST |
| 1,1-Dichloroethane | U | U | 5 ST |
| 1,1-Dichloroethene | U | U | 5 ST |
| 1,1-Dichloropropene | U | U | 5 ST |
| 1,2,3-Trichlorobenzene | U | U | 5 ST |
| 1,2,3-Trichloropropane | U | U | 0.04 ST |
| 1,2,4-Trichlorobenzene | U | U | 5 ST |
| 1,2,4-Trimethylbenzene | U | **351** | 5 ST |
| 1,2-Dibromo-3-chloropropane | U | U | 0.04 ST |
| 1,2-Dibromoethane | U | U | ---- |
| 1,2-Dichlorobenzene | U | U | 3 ST |
| 1,2-Dichloroethane | U | U | 0.6 ST |
| 1,2-Dichloropropane | U | U | 1 ST |
| 1,3,5-Trimethylbenzene | U | **35.7** | 5 ST |
| 1,3-Dichloropropane | U | U | 5 ST |
| 1,4-Dichlorobenzene | U | U | 3 ST |
| 2,2-Dichloropropane | U | U | 5 ST |
| 2-Butanone | U | U | 50GV |
| 2-Chlorotoluene | U | U | 5 ST |
| 2-Hexanone | U | U | 50GV |
| 4-Chlorotoluene | U | U | 5 ST |
| 4-Isopropyltoluene | U | **1.24** | 5 ST |
| 4-Methyl-2-Pentanone | U | U | ---- |
| Acetone | U | U | 50GV |
| Acrylonitrile | U | U | 5 ST |
| Benzene | U | **9.59** | 1 ST |
| Bromobenzene | U | U | 5 ST |
| Bronochloromethane | U | U | 5 ST |
| Bromodichloromethane | U | U | 50GV |
| Bromoform | U | U | 50GV |
| Bromomethane | U | U | 5 ST |
| Carbon Disulfide | U | U | 60GV |
| Carbon Tetrachloride | U | U | 5 ST |

**TABLE 5a**
**McKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**GROUNDWATER SAMPLE RESULTS - SEPTEMBER 2009**
**VOLATILE ORGANIC COMPOUNDS**

| Sample Identification | **Basement** | **Sump** | NYSDEC Class GA Groundwater Standard or Guidance Value |
|---|---|---|---|
| Date of Collection | 09/23/09 | 09/23/09 | |
| Dilution Factor | 1.0 | 1.0 | |
| Units | (ug/l) | (ug/l) | (ug/l) |
| Chlorobenzene | U | U | 5 ST |
| Chloroethane | U | U | 5 ST |
| Chloroform | 2.27 | U | 7 ST |
| Chloromethane | U | U | ---- |
| cis-1,2-Dichloroethene | U | U | 5 ST |
| cis-1,3-Dichloropropene | U | U | 0.4 ST * |
| Dibromochloromethane | U | U | 50GV |
| Dibromomethane | U | U | 5 ST |
| Dichlorodifluoromethane | U | U | 5 ST |
| Ethylbenzene | U | **60.3** | 5 ST |
| Hexachlorobutadiene | U | U | 0.5 ST |
| Iodomethane | U | U | ---- |
| Isopropylbenzene | U | **7.53** | 5 ST |
| Methylene Chloride | U | U | 5 ST |
| Methyl tert-Butyl Ether | U | U | 10GV |
| Naphthalene | U | **29.6** | 10 ST |
| n-Butylbenzene | U | 2.5 | 5 ST |
| n-Propylbenzene | U | **20.1** | 5 ST |
| sec-Butylbenzene | U | 1.7 | 5 ST |
| Styrene | U | U | 5 ST |
| t-Butyl Alcohol | U | U | ---- |
| tert-Butylbenzene | U | U | 5 ST |
| Tetrachloroethene | U | U | 5 ST |
| Toluene | U | **5.17** | 5 ST |
| Trans-1,2-dichloroethene | U | U | 5 ST |
| Trans-1,3-Dichloropropene | U | U | 0.4 ST * |
| Trans-1,4-Dichloro-2-butene | U | U | 5 ST |
| Trichloroethene | U | U | 5 ST |
| Trichlorofluoromethane | U | U | 5 ST |
| Vinyl Acetate | U | U | ---- |
| Vinyl Chloride | U | U | 2 ST |
| Xylene, m+p | U | **169** | 5 ST |
| Xylene, o | U | **155** | 5 ST |
| **Total VOCs** | 2.27 | 848.4 | ---- |

QUALIFIERS:
U: Compound analyzed for but not detected

NOTES:
*: Value pertains to the sum of the isomers
GV: Guidance Value
ST: Standard
NS: Not sampled due to the presence of free product in the well
----: Not established
Indicates value exceeds standard or guidance value.

**TABLE 5b**
**McKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**GROUNDWATER SAMPLE RESULTS - SEPTEMBER 2009**
**SEMIVOLATILE ORGANIC COMPOUNDS**

| Sample Identification | **Basement** | **Sump** | NYSDEC Class GA Groundwater Standard or Guidance Value |
|---|---|---|---|
| Date of Collection | 09/23/09 | 09/23/09 | |
| Dilution Factor | 1.0 | 1.0 | |
| Units | (ug/l) | (ug/l) | (ug/l) |
| 1,2,4-Trichlorobenzene | U | U | 5 ST |
| 1,2-Dichlorobenzene | U | U | 3 ST |
| 1,2-Diphenylhydrazine | U | U | ND ST |
| 1,3-Dichlorobenzene | U | U | 3 ST |
| 1,4-Dichlorobenzene | U | U | 3 ST |
| 2,4,5-Trichlorophenol | U | U | ---- |
| 2,4,6-Trichlorophenol | U | U | ---- |
| 2,4-Dichlorophenol | U | U | 1 ST * |
| 2,4-Dimethylphenol | U | U | 1 ST * |
| 2,4-Dinitrophenol | U | U | 1 ST * |
| 2,4-Dinitrotoluene | U | U | 5 ST |
| 2,6-Dinitrotoluene | U | U | 5 ST |
| 2-Chloronaphthalene | U | U | 10 ST |
| 2-Chlorophenol | U | U | 1 ST * |
| 2-methyl-4,6-Dinitrophenol | U | U | ---- |
| 2-Methylnaphthalene | U | 139 | ---- |
| 2-Methylphenol | U | U | 1 ST * |
| 2-Nitroaniline | U | U | 5 ST |
| 2-Nitrophenol | U | U | ---- |
| 3,3'-Dichlorobenzidine | U | U | 5 ST |
| 3+4 methylphenol | U | U | ---- |
| 3-Nitroaniline | U | U | 5 ST |
| 4-Bromophenyl-phenylether | U | U | ---- |
| 4-Chloro-3-methylphenol | U | U | ---- |
| 4-Chloroaniline | U | U | 5 ST |
| 4-Chlorophenyl-phenylether | U | U | ---- |
| 4-Nitroaniline | U | U | 5 ST |
| 4-Nitrophenol | U | U | ---- |
| Acenaphthene | U | U | 20 GV |
| Acenaphthylene | U | U | ---- |
| Aniline | U | U | 5 ST |
| Anthracene | U | 31 | 50 GV |
| Benzidine | U | U | 5 ST |
| Benzo (a) anthracene | U | **106** | 0.002 GV |
| Benzo(a)pyrene | U | **126** | 0.002 GV |
| Benzo(b)fluoranthene | U | **204** | 0.002 GV |
| Benzo(g,h,i)perylene | U | 65.5 | ---- |
| Benzo(k)fluoranthene | U | **139** | 0.002 GV |

**TABLE 5b**
**McKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**GROUNDWATER SAMPLE RESULTS - SEPTEMBER 2009**
**SEMIVOLATILE ORGANIC COMPOUNDS**

| Sample Identification | **Basement** | **Sump** | NYSDEC Class GA Groundwater Standard or Guidance Value |
|---|---|---|---|
| Date of Collection | 09/23/09 | 09/23/09 | |
| Dilution Factor | 1.0 | 1.0 | |
| Units | (ug/l) | (ug/l) | (ug/l) |
| Benzoic acid | U | U | ---- |
| Benzyl alcohol | U | U | ---- |
| bis(2-Chloroethoxy)methane | U | U | 5 ST |
| bis(2-Chloroethyl)ether | U | U | 1 ST |
| bis(2-Chloroisopropyl)ether | U | U | ---- |
| bis(2-Ethylhexyl)phthalate | U | **110.0** | 5 ST |
| Butylbenzylphthalate | U | U | ---- |
| Chrysene | U | **122** | 0.002 GV |
| Dibenzo(a,h)anthracene | U | U | ---- |
| Dibenzofuran | U | U | ---- |
| Diethylphthalate | U | U | 50 GV |
| Dimethylphthalate | U | U | 50 GV |
| Di-n-butylphthalate | U | U | 50 ST |
| Di-n-octylphthalate | U | U | 50 GV |
| Fluoranthene | U | **262** | 50 GV |
| Fluorene | U | 13.3 | 50 GV |
| Hexachlorobenzene | U | U | 0.04 ST |
| Hexachlorobutadiene | U | U | 0.5 ST |
| Hexachlorocyclopentadiene | U | U | 5 ST |
| Hexachloroethane | U | U | 5 ST |
| Indeno(1,2,3-cd)pyrene | U | U | 0.002 GV |
| Isophorone | U | U | 50 GV |
| Naphthalene | U | **109** | 10 GV |
| Nitrobenzene | U | U | 0.4 ST |
| n-Nitrosodimethylamine | U | U | ---- |
| n-Nitrosodiphenylamine | U | U | 50 GV |
| n-Nitrosodipropylamine | U | U | ---- |
| Pentachlorophenol | U | U | 1 ST * |
| Phenanthrene | U | **148** | 50 GV |
| Phenol | U | U | 1 ST * |
| Pyrene | U | **193** | 50 GV |
| Pyridine | U | U | 50 ST |
| **Total SVOCs** | 0 | 1,767.8 | |

QUALIFIERS:
U: Compound analyzed for but not detected

NOTES:
* : Applies to Total Phenols
GV: Guidance Value
ST: Standard
NS: Not sampled due to the presence of free product in the well
----: Not established
**value** Indicates value exceeds standard or guidance value.

**TABLE 5c**
**McKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**GROUNDWATER SAMPLE RESULTS - SEPTEMBER 2009**
**PESTICIDE/PCBs**

| Sample Identification | **Basement** | **Sump** | NYSDEC Class GA Groundwater Standard or Guidance Value |
|---|---|---|---|
| Date of Collection | 09/23/09 | 09/23/09 | |
| Dilution Factor | 1.0 | 1.0 | |
| Units | (ug/l) | (ug/l) | (ug/l) |
| Aroclor-1016 | U | U | 0.09 ST * |
| Aroclor-1221 | U | U | 0.09 ST * |
| Aroclor-1232 | U | U | 0.09 ST * |
| Aroclor-1242 | U | U | 0.09 ST * |
| Aroclor-1248 | U | U | 0.09 ST * |
| Aroclor-1254 | U | **40** | 0.09 ST * |
| Aroclor-1260 | U | U | 0.09 ST * |
| **Total PCBs** | 0 | 40 | --- |

QUALIFIERS:
U: Compound analyzed for but not detected

NOTES:
*: Applies to the sum of the isomers
ST: Standard
---: Not established
NS: Not sampled due to the presence of free product in the well
Indicates value exceeds standard.

**COMMERCIAL ONLY**

**TABLE 6a.**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SUMP SOIL SAMPLE RESULTS - OCTOBER 2009**
**VOLATILE ORGANIC COMPOUNDS**

| Sample Identification | **526375** | Unrestricted Use Soil Cleanup Objectives[1] | Restricted Use Soil Cleanup Objectives[2] | | | |
|---|---|---|---|---|---|---|
| Date of Collection | 10/30/2009 | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | --- | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 1.0 | | | | | |
| Percent Moisture | --- | | | | | |
| Units | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) |
| 1,1,1,2-Tetrachloroethane | U | ---- | ---- | ---- | ---- | ---- |
| 1,1,1-Trichloroethane | U | 680 | 100,000[a] | 100,000[a] | 500,000[b] | 680 |
| 1,1,2,2-Tetrachloroethane | U | ---- | ---- | ---- | ---- | ---- |
| 1,1,2-Trichloroethane | U | ---- | ---- | ---- | ---- | ---- |
| 1,1-Dichloroethane | U | 270 | 19,000 | 26,000 | 240,000 | 270 |
| 1,1-Dichloroethene | U | 330 | 100,000[a] | 100,000[a] | 500,000[b] | 330 |
| 1,1-Dichloropropene | U | ---- | ---- | ---- | ---- | ---- |
| 1,2,3-Trichlorobenzene | U | ---- | ---- | ---- | ---- | ---- |
| 1,2,3-Trichloropropane | U | ---- | ---- | ---- | ---- | ---- |
| 1,2,4-Trichlorobenzene | U | ---- | ---- | ---- | ---- | ---- |
| 1,2,4-Trimethylbenzene | U | 3,600 | 47,000 | 52,000 | 190,000 | 3,600 |
| 1,2-Dibromo-3-chloropropane | U | ---- | ---- | ---- | ---- | ---- |
| 1,2-Dibromoethane | U | ---- | ---- | ---- | ---- | ---- |
| 1,2-Dichlorobenzene | U | 1,100 | 100,000[a] | 100,000[a] | 500,000[b] | 1,100 |
| 1,2-Dichloroethane | U | 20[c] | 2,300 | 3,100 | 30,000 | 20[f] |
| 1,2-Dichloropropane | U | ---- | ---- | ---- | ---- | ---- |
| 1,3,5-Trimethylbenzene | U | 8,400 | 47,000 | 52,000 | 190,000 | 8,400 |
| 1,3-Dichlorobenzene | U | 2,400 | 17,000 | 49,000 | 280,000 | 2,400 |
| 1,3-Dichloropropene | U | ---- | ---- | ---- | ---- | ---- |
| 1,4-Dichlorobenzene | U | 1,800 | 9,800 | 13,000 | 130,000 | 1,800 |
| 2,2-Dichloropropene | U | ---- | ---- | ---- | ---- | ---- |
| 2-Butanone | U | ---- | ---- | ---- | ---- | ---- |
| 2-Chlorotoluene | U | ---- | ---- | ---- | ---- | ---- |
| 2-Hexanone | U | ---- | ---- | ---- | ---- | ---- |
| 4-Chlorotoluene | U | ---- | ---- | ---- | ---- | ---- |
| 4-Isopropyltoluene | U | ---- | ---- | ---- | ---- | ---- |
| 4-Methyl-2-Pentanone | U | ---- | ---- | ---- | ---- | ---- |
| Acetone | U | 50 | 100,000[a] | 100,000[a] | 500,000[b] | 50 |
| Acrylonitrile | U | ---- | | | | |
| Benzene | U | 60 | 2,900 | 4,800 | 44,000 | 60 |
| Bromobenzene | U | ---- | ---- | ---- | ---- | ---- |
| Bromochloromethane | U | ---- | ---- | ---- | ---- | ---- |
| Bromodichloromethane | U | ---- | ---- | ---- | ---- | ---- |
| Bromoform | U | ---- | ---- | ---- | ---- | ---- |
| Bromomethane | U | ---- | ---- | ---- | ---- | ---- |
| Carbon Disulfide | U | ---- | ---- | ---- | ---- | ---- |
| Carbon Tetrachloride | U | 760 | 1,400 | 2,400 | 22,000 | 760 |
| Chlorobenzene | U | 1,100 | 100,000[a] | 100,000[a] | 500,000[b] | 1,100 |
| Chloroethane | U | ---- | ---- | ---- | ---- | ---- |
| Chloroform | U | 370 | 10,000 | 49,000 | 350,000 | 370 |
| Chloromethane | U | ---- | ---- | ---- | ---- | ---- |
| cis-1,2-Dichloroethene | U | 250 | 59,000 | 100,000[a] | 500,000[b] | 250 |
| cis-1,3-Dichloropropene | U | ---- | ---- | ---- | ---- | ---- |
| Dibromochloromethane | U | ---- | ---- | ---- | ---- | ---- |
| Dibromomethane | U | ---- | ---- | ---- | ---- | ---- |
| Dichlorodifluoromethane | U | ---- | ---- | ---- | ---- | ---- |

**TABLE 6a. (continued)**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SUMP SOIL SAMPLE RESULTS - NOVEMBER 2009**
**VOLATILE ORGANIC COMPOUNDS**

| Sample Identification | **526375** | Unrestricted Use Soil Cleanup Objectives[1] | Restricted Use Soil Cleanup Objectives[2] | | | |
|---|---|---|---|---|---|---|
| Date of Collection | 10/30/2009 | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | --- | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 1.0 | | | | | |
| Percent Moisture | --- | | | | | |
| Units | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) |
| Ethylbenzene | U | 1,000 | 30,000 | 41,000 | 390,000 | 1,000 |
| Hexachlorobutadiene | U | ---- | ---- | ---- | ---- | ---- |
| Iodomethane | U | ---- | ---- | ---- | ---- | ---- |
| Isopropylbenzene | U | ---- | ---- | ---- | ---- | ---- |
| Methylene Chloride | U | 50 | 51,000 | 100,000[a] | 500,000[b] | 50 |
| Methyl tert-Butyl Ether | U | 930 | 62,000 | 100,000[a] | 500,000[b] | 930 |
| Naphthalene | U | ---- | ---- | ---- | ---- | ---- |
| n-Butylbenzene | U | 12,000 | ---- | ---- | ---- | ---- |
| n-Propylbenzene | U | 3,900 | 100,000 | 100,000 | 500,000 | 3,900 |
| sec-Butylbenzene | U | 11,000 | 100,000 | 100,000 | 500,000 | 11,000 |
| Styrene | U | ---- | ---- | ---- | ---- | ---- |
| t-Butyl alcohol | U | ---- | ---- | ---- | ---- | ---- |
| tert-Butylbenzene | U | 5,900 | 100,000 | 100,000 | 500,000 | 5,900 |
| Tetrachloroethene | U | 1,300 | 5,500 | 19,000 | 150,000 | 1,300 |
| Toluene | U | 700 | 100,000[a] | 100,000[a] | 500,000[b] | 700 |
| trans-1,2-Dichloroethene | U | 190 | 100,000[a] | 100,000[a] | 500,000[b] | 190 |
| trans-1,3-Dichloropropene | U | ---- | ---- | ---- | ---- | ---- |
| trans-1,4-Dichloro-2-butene | U | ---- | ---- | ---- | ---- | ---- |
| Trichloroethene | U | 470 | 10,000 | 21,000 | 200,000 | 470 |
| Trichlorofluoromethane | U | ---- | ---- | ---- | ---- | ---- |
| Vinyl Acetate | U | ---- | ---- | ---- | ---- | ---- |
| Vinyl Chloride | U | 20 | 210 | 900 | 13,000 | 20 |
| Xylenes, m&p | U | 260 | 100,000[a] | 100,000[a] | 500,000[b] | 1,600 |
| Xylenes, p | U | 260 | 100,000[a] | 100,000[a] | 500,000[b] | 1,600 |
| **Total VOCs** | --- | | | | | |
| **Total VOC TICs** | --- | | | | | |

QUALIFIERS:
U: Compound analyzed for but not detected

NOTES:
All concentrations are in micrograms per kilogram (ug/kg) or parts per billion (ppb)
1: 6 NYCRR PART 375 - Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives (SCOs)
2: 6 NYCRR PART 375 - Table 375-6.8(b): Restricted Use SCOs
a: The SCOs for unrestricted use, residential, restricted-residential and ecological resources use were capped at a maximum value of 100,000 ug/kg
b: The SCOs for commercial use were capped at a maximum value of 500,000 ug/kg
c: For constituents where the calculated SCO was lower than the rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this site
f: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track SCO value for this use of the site
----: not established

Indicates the value exceeds the NYSDEC Commercial SCO

**COMMERCIAL ONLY**

**TABLE 6b.**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SUMP SOIL SAMPLE RESULTS - OCTOBER 2009**
**SEMIVOLATILE ORGANIC COMPOUNDS**

| Sample Identification | **526375** | Unrestricted Use Soil Cleanup Objectives[1] | Restricted Use Soil Cleanup Objectives[2] | | | |
|---|---|---|---|---|---|---|
| Date of Collection | 10/30/2009 | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | --- | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 1.0 | | | | | |
| Percent Moisture | --- | | | | | |
| Units | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) |
| 1,2,4-Trichlorobenzene | U | ---- | ---- | ---- | ---- | ---- |
| 1,2-Dichlorobenzene | U | 1,100 | 100,000 | 100,000 | 500,000 | 1,100 |
| 1,2-Diphenylhydrazine | U | ---- | ---- | ---- | ---- | ---- |
| 1,3-Dichlorobenzene | U | 2,400 | 17,000 | 49,000 | 280,000 | 2,400 |
| 1,4-Dichlorobenzene | U | 1,800 | 9,800 | 13,000 | 130,000 | 1,800 |
| 2,4,5-Trichlorophenol | U | ---- | ---- | ---- | ---- | ---- |
| 2,4,6-Trichlorophenol | U | ---- | ---- | ---- | ---- | ---- |
| 2,4-Dichlorophenol | U | ---- | ---- | ---- | ---- | ---- |
| 2,4-Dimethylphenol | U | ---- | ---- | ---- | ---- | ---- |
| 2,4-Dinitrophenol | U | ---- | ---- | ---- | ---- | ---- |
| 2,4-Dinitrotoluene | U | ---- | ---- | ---- | ---- | ---- |
| 2,6-Dinitrotoluene | U | ---- | ---- | ---- | ---- | ---- |
| 2-Chloronaphthalene | U | ---- | ---- | ---- | ---- | ---- |
| 2-Chlorophenol | U | ---- | ---- | ---- | ---- | ---- |
| 2-Methyl-4,6-dinitrophenol | U | ---- | ---- | ---- | ---- | ---- |
| 2-Methylnaphthalene | U | ---- | ---- | ---- | ---- | ---- |
| 2-Methylphenol | U | ---- | ---- | ---- | ---- | ---- |
| 2-Nitroaniline | U | ---- | ---- | ---- | ---- | ---- |
| 2-Nitrophenol | U | ---- | ---- | ---- | ---- | ---- |
| 3,3'-Dichlorobenzidine | U | ---- | ---- | ---- | ---- | ---- |
| 3+4-methylphenol | U | ---- | ---- | ---- | ---- | ---- |
| 3-Nitroaniline | U | ---- | ---- | ---- | ---- | ---- |
| 4-Bromophenyl-phenylether | U | ---- | ---- | ---- | ---- | ---- |
| 4-Chloro-3-methylphenol | U | ---- | ---- | ---- | ---- | ---- |
| 4-Chloroaniline | U | ---- | ---- | ---- | ---- | ---- |
| 4-Chlorophenyl-phenylether | U | ---- | ---- | ---- | ---- | ---- |
| 4-Nitroaniline | U | ---- | ---- | ---- | ---- | ---- |
| 4-Nitrophenol | U | ---- | ---- | ---- | ---- | ---- |
| Acenaphthene | U | 20,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 98,000 |
| Acenaphthylene | U | 100,000[a] | 100,000[a] | 100,000[a] | 500,000[b1] | 107,000 |
| Aniline | U | ---- | ---- | ---- | ---- | ---- |
| Anthracene | U | 100,000[a] | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| Benzidine | U | ---- | ---- | ---- | ---- | ---- |
| Benzo (a) anthracene | 334 | 1,000[c] | 1,000[f] | 1,000[f] | 5,600 | 1,000[f] |
| Benzo(a)pyrene | 407 | 1,000[c] | 1,000[f] | 1,000[f] | 1,000[f] | 22,000 |
| Benzo(b)fluoranthene | 639 | 1,000[c] | 1,000[f] | 1,000[f] | 5,600 | 1,700 |
| Benzo(g,h,i)perylene | 191 | 100,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| Benzo(k)fluoranthene | 211 | 800c | 1,000 | 3,900 | 56,000 | 1,700 |
| Benzoic acid | U | ---- | ---- | ---- | ---- | ---- |
| Benzyl alcohol | U | ---- | ---- | ---- | ---- | ---- |
| bis(2-Chloroethoxy)methane | U | ---- | ---- | ---- | ---- | ---- |
| bis(2-Chloroethyl)ether | U | ---- | ---- | ---- | ---- | ---- |
| bis(2-chloroisopropyl) ether | U | ---- | ---- | ---- | ---- | ---- |
| bis(2-Ethylhexyl)phthalate | U | ---- | ---- | ---- | ---- | ---- |
| Butylbenzylphthalate | U | ---- | ---- | ---- | ---- | ---- |
| Chrysene | 308 | 1,000[c] | 1,000[f] | 3,900 | 56,000 | 1,000[f] |
| Dibenzo(a,h)anthracene | U | 330[b] | 330[e] | 330[e] | 56,000 | 1,000,000[c1] |
| Dibenzofuran | U | ---- | ---- | ---- | ---- | ---- |

**TABLE 6b. (continued)**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SUMP SOIL SAMPLE RESULTS - OCTOBER 2009**
**SEMIVOLATILE ORGANIC COMPOUNDS**

| Sample Identification | **526375** | Unrestricted Use Soil Cleanup Objectives[1] | Restricted Use Soil Cleanup Objectives[2] | | | |
|---|---|---|---|---|---|---|
| Date of Collection | 10/30/2009 | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | --- | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 1.0 | | | | | |
| Percent Moisture | --- | | | | | |
| Units | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) |
| Diethylphthalate | U | ---- | ---- | ---- | ---- | ---- |
| Dimethylphthalate | U | ---- | ---- | ---- | ---- | ---- |
| Di-n-butylphthalate | U | ---- | ---- | ---- | ---- | ---- |
| Di-n-octylphthalate | U | ---- | ---- | ---- | ---- | ---- |
| Fluoranthene | 549 | 100,000[a] | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| Fluorene | U | 30,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| Hexachlorobenzene | U | ---- | ---- | ---- | ---- | ---- |
| Hexachlorobutadiene | U | ---- | ---- | ---- | ---- | ---- |
| Hexachlorocyclopentadiene | U | ---- | ---- | ---- | ---- | ---- |
| Hexachloroethane | U | ---- | ---- | ---- | ---- | ---- |
| Indeno(1,2,3-cd)pyrene | 182 | 500[c] | 500[f] | 500[f] | 5,600 | 8,200 |
| Isophorone | U | ---- | ---- | ---- | ---- | ---- |
| Naphthalene | U | 12,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 12,000 |
| Nitrobenzene | U | ---- | ---- | ---- | ---- | ---- |
| N-Nitrosodimethylamine | U | ---- | ---- | ---- | ---- | ---- |
| N-Nitroso-di-n-propylamine | U | ---- | ---- | ---- | ---- | ---- |
| Pentachlorophenol | U | 800[b] | 2,400 | 6,700 | 6,700 | 800[e] |
| Phenanthrene | 246 | 100,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| Phenol | U | 330[b] | 100,000[a] | 100,000[a] | 500,000[b1] | 330[e] |
| Pyrene | 626 | 100,000 | 100,000[a] | 100,000[a] | 500,000[b1] | 1,000,000[c1] |
| Pyridine | U | ---- | ---- | ---- | ---- | ---- |
| **Total SVOCs** | 391 | | | | | |

QUALIFIERS:
U: Compound analyzed for but not detected
NOTES:
All concentrations are in micrograms per kilogram (ug/kg) or parts per billion (ppb
1: 6 NYCRR PART 375 - Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives (SCOs)
2: 6 NYCRR PART 375 - Table 375-6.8(b): Restricted Use SCOs
a: The SCOs for unrestricted use, residential, restricted-residential and ecological resources use were capped at a maximum value of 100,000 ug/kg
b: For constituents where the calculated SCO was lower than the contract required quantitation limit (CRQL), the CRQL is used as the Track 1 SCO value
b1: The SCOs for commercial use were capped at a maximum value of 500,000 ug/kg
c: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 1 SCO value for this use of the site
c1: The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1,000,000
e: For constituents where the calculated SCO was lower than the CRQL, the CRQL is used as the SCO value
f: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site
----: not established

Indicates the value exceeds the NYSDEC Commercial SCO

**COMMERCIAL ONLY**

**TABLE 6c.**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SUMP SOIL SAMPLE RESULTS - OCTOBER 2009**
**POLYCHLORINATED BIPHENYLS**

| Sample Identification | **526375** | Unrestricted Use Soil Cleanup Objectives[1] | Restricted Use Soil Cleanup Objectives[2] | | | |
|---|---|---|---|---|---|---|
| Date of Collection | 10/30/2009 | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | --- | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 1.0 | | | | | |
| Percent Moisture | --- | | | | | |
| Units | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) | (ug/kg) |
| Aroclor-1016 | U | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1221 | U | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1232 | U | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1242 | U | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1248 | U | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1254 | U | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| Aroclor-1260 | U | 100 | 1,000 | 1,000 | 1,000 | 3,200 |
| **Total Pesticides** | 0 | | | | | |
| **Total PCBs** | 0 | | | | | |

QUALIFIERS:
U: Compound analyzed for but not detected
NOTES:
All concentrations are in micrograms per kilogram (ug/kg) or parts per billion (ppb
1: 6 NYCRR PART 375 - Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives (SCOs)
2: 6 NYCRR PART 375 - Table 375-6.8(b): Restricted Use SCOs
a: The SCOs for unrestricted use, residential, restricted-residential and ecological resources use were capped at a maximum value of 100,000 ug/kg
b: For constituents where the calculated SCO was lower than the contract required quantitation limit (CRQL), the CRQL is used as the Track 1 SCO value
b1: The SCOs for commercial use were capped at a maximum value of 500,000 ug/kg
c: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 1 SCO value for this use of the site
c1: The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1,000,000
i: This SCO is for the sum of endosulfan I, endosulfan II, and endosulfan sulfate.
----: not established

Indicates the value exceeds the NYSDEC Commercial SCO

**COMMERCIAL ONLY**

**TABLE 6d.**
**MCKINNEY PROPERTY SITE**
**SITE INVESTIGATION REPORT**
**SUMP SOIL SAMPLE RESULTS - OCTOBER 2009**
**INORGANICS ANALYTES**

| Sample Identification | **526375** | Unrestricted Use Soil Cleanup Objectives[1] | Restricted Use Soil Cleanup Objectives[2] | | | |
|---|---|---|---|---|---|---|
| Date of Collection | 10/30/2009 | | Protection of Public Health | | | Protection of Groundwater |
| Sample Depth | --- | | Residential | Restricted-Residential | Commercial | |
| Dilution Factor | 1.0 | | | | | |
| Percent Moisture | --- | | | | | |
| Units | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) |
| Arsenic | 8.9 | 13[c] | 16[f] | 16[f] | 16[f] | 16[f] |
| Barium | 43 | 350[c] | 350[f] | 400 | 400 | 820 |
| Cadmium | U | 2.5[c] | 2.5[f] | 4.3 | 9.3 | 7.5 |
| Chromium* | 21 | 30[c] | 36 | 180 | 1,500 | ---- |
| Lead | 38 | 63[c] | 400 | 400 | 1,000 | 450 |
| Mercury | **190** | 0.18[c] | 0.81[j] | 0.81[j] | 2.8[j] | 0.73 |
| Selenium | 5.3 | 3.9[c] | 36 | 180 | 1,500 | 4[f] |
| Silver | U | 2 | 36 | 180 | 1,500 | 8.3 |

QUALIFIERS:
U: Compound analyzed for but not detected
NOTES:
All concentrations are in micrograms per kilogram (mg/kg) or parts per million (ppm
1: 6 NYCRR PART 375 - Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives (SCOs)
2: 6 NYCRR PART 375 - Table 375-6.8(b): Restricted Use SCOs
c: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 1
d: The SCOs for metals were capped at a maximum value of 10,000 ppm
f: For constituents where the calculated SCO was lower than the rural soil background concentrations as determied by the Department and the Department of Health rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site
j: This SCO is the lower of the values for mercury (elemental) or mercury (inorganic salts)
*: This SCO is the higher of the values for chromium (trivalent) SCO value for this use of the site
----: not established

Indicates the value exceeds the NYSDEC Commercial SCO

# Appendix K

# APPENDIX K

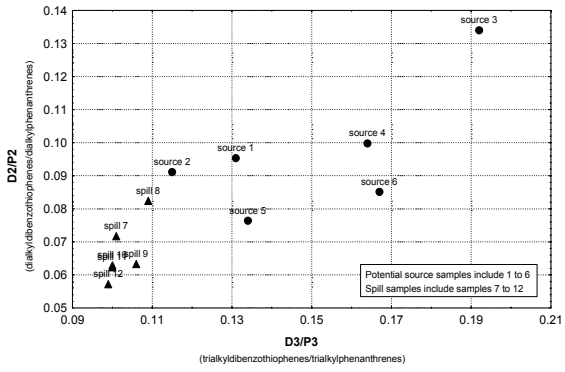
# ENVIRONMENTAL FORENSIC REPORT

# Environmental Forensic Report

## McKinney Site

**SDG: DB080307**

Figure 1. Double Ratio Plot




*Report To:*

**Dvirka and Bartilucci**
**P.O. Box 56**
**5879 Fisher Road**
**East Syracuse, New York 13057**

*Report By:*

**META Environmental, Inc.**
**49 Clarendon Street**
**Watertown, MA 02472**

**March 21, 2008**

***Identifying and allocating sources of pollutants in complex environments.***

META Environmental, Inc.
ENGINEERING & CHEMISTRY

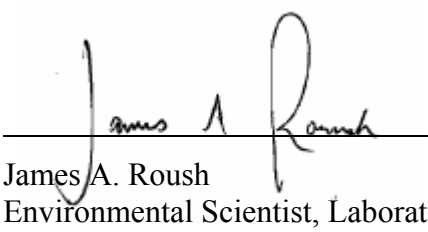
Final Laboratory Report

META Environmental, Inc.
49 Clarendon Street
Watertown, MA 02472
Phone: 617-923-4662
Fax: 617-923-4610
E-Mail meta@metaenv.com

## Certification

This certifies that this package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed herein. The results included in this data report relate only to the samples as received and analyzed by the laboratory.

Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager and Quality Assurance Officer, as verified by the following signatures.



James A. Roush — 3/21/2008
Environmental Scientist, Laboratory Manager — Date

David M. Mauro — 3/21/2008
Senior Scientist, Quality Assurance Officer — Date

# Sample Delivery Group Narrative

| | |
|---|---|
| Project: | McKinney Site |
| Client | Dvirka and Bartilucci<br>P.O. Box 56<br>5879 Fisher Road<br>East Syracuse, New York 13057 |
| Report Contact: | Dan Bishuk |
| Dates of Receipt: | March 7th of 2008 |
| Sample Summary: | The sample received for this project is summarized in the attached sample login forms. |
| META Project Number: | D07007 |
| SDG No.: | DB080307 |
| Total Pages in Report: | 59 |

# Chain of Custody

The sample was received in good condition. The internal temperature of the shipping container was within the recommended 2-6°C range and was as follows:

Samples received: 03/07/2008 6.0°C Ice present

Internal chain of custody procedures were followed after sample receipt. Samples were stored in a locked refrigerator. A sample custody logbook contains the record of sample removal from the secure sample storage area to the sample preparation laboratory. The custody record for the sample extracts is present on the sample extraction logbook page.

The disposal of samples and extracts will be authorized one month after the release of this data report. Sample disposal will be documented.

# Methods

The non-aqueous phase liquid (NAPL) sample was prepared by solvent waste dilution (EPA 3580), once using dichloromethane (DCM) and again using hexane. The DCM extracts were spiked with internal standard and analyzed by GC/FID (EPA 8100M) for fingerprinting and by GC/MS/SIM (EPA 8270M) for mono- and polycyclic aromatic hydrocarbons (MAHs and

PAHs), alkyl PAH homologues and other selected compounds. The GC/MS/SIM analysis included a qualitative screening for tetraethyl lead.

The hexane extracts were analyzed for polychlorinated biphenyls (PCBs) as Aroclors by GC/ECD (EPA 8082).

# Results

Sample results are presented in several appendices which follow this narrative.

Appendix B: GC/FID Fingerprints
Appendix C: MAH/PAH Concentrations
Appendix D: Extended MAH/PAH Profiles - Histograms
Appendix E: Extracted Ion Current Profiles (EICPs)
Appendix F: PCB Concentrations

# Quality Control

**Analyte Flags**

The detection limits were determined as the sample equivalent of the lowest linear initial calibration standard. Analytes measured between 50% and 100% of the lowest standard were reported as "estimated" and flagged with the letter "J." Undetected analytes were reported as null and flagged with the letter, "U." Analytes marked with a "B" were detected in the associated blank and should be reviewed for a possible positive bias. No deviations were thought significant enough to compromise the integrity of the reported values.

**Holding Times**

The NAPL sample was extracted within holding time. The sample and extracts were stored at 4°C ± 2°C prior to extraction and analysis. The extracts were analyzed within 40 days of sample preparation.

**Surrogate Spikes**

Extraction surrogates were added to all samples prior to extraction. All surrogate compounds were recovered within the 50%-120% acceptable criterion with the following exceptions; decachlorobiphenyl (DCB) was over-recovered in all extracts processed for PCBs and appears to be due to matrix interference. Recoveries for the PCB surrogate compound tetrachloro-m-xylene as well as recoveries of Aroclors 1016 and 1260 in the method blank spike were within QC limits.

**Blanks**

Benzene, styrene, naphthalene and acenaphthylene were detected above the reporting limit (RL) in method blank QC080310-MB. These compounds should be reviewed for potential positive bias.

**Blank Spikes**

A blank spike sample was extracted with each soil batch. All spiked compounds were recovered within criteria.

**Duplicates**

Sample MW-3 Product was extracted and analyzed in duplicate. Relative percent differences are reported with the sample results in Appendix C.

**Internal Standards**

Internal standards were recovered within acceptable QC limits (50%-200%) relative to the continuing calibration standards.

# Interpretation

**Introduction**

One sample of non-aqueous phase liquid (MW-3 Product) was received by META from the McKinney site on March 7, 2008. The sample was analyzed for a hydrocarbon fingerprint, an expanded list of MAHs and PAHs, PCBs as aroclors and was screened for alkyl lead.

This report summarizes the findings and compares the samples.

**Description of Chemical Fingerprinting Methodology**

PAHs commonly form the basis for source attribution and allocation at sites involving petrogenic or pyrogenic materials. Studies have shown that the pattern of PAHs clearly distinguishes petrogenic from pyrogenic substances and can be used to identify and classify petrogenic or pyrogenic substances of different origins. For example, ASTM Method D 5739-95 is the method used extensively by the U.S. Coast Guard to determine the source of oil spilled in public waterways. That method relies on the determination of selected PAHs in oil, soil, or water samples by gas chromatography with mass spectrometric detection (GC/MS) and the use of the qualitative patterns and quantitative ratios of those PAHs to determine which oil samples have a common origin. Further, META has modified the typical sample preparation and analysis procedures for hydrocarbon fingerprinting to include MAHs as well as PAHs.

An approach based on MAH/PAH profiling has been used to investigate the sources of hydrocarbons at the McKinney site, which is the topic of this report. Therefore, a more detailed

discussion of the forensic methods used is presented in the next subsection as background.

GC/FID Fingerprinting

The NAPL sample in this study was analyzed by gas chromatography with flame ionization detection (GC/FID). With GC/FID, organic compounds in a sample are vaporized and then separated in a long, narrow fused silica capillary column. Separation follows boiling point approximately with the most volatile compounds exiting the column first followed by increasingly less volatile compounds. Therefore, certain refined petroleum products, generated by the distillation of crude oil and which differ in their boiling point ranges, are distinguishable by where they appear on a chromatogram. Once they exit the column, the compounds are detected using the flame ionization technique. As the compounds exit and are detected, their responses are recorded and shown as peaks on a continuous plot. The height and area of a peak are proportional to the concentration of that compound in the sample. When done in a controlled and reproducible manner, the GC/FID method produces a "fingerprint" of a sample where the presence and relative amounts of the compounds are immediately visible as peaks of varying height appearing at different times. GC/FID fingerprints for the samples analyzed are provided in Appendix B.

GC/FID methods are commonly used for fingerprinting in a number of forensic fields. The patterns of individual peaks and the sizes and shapes of any baseline features are examined qualitatively for similarities and differences among samples.

The instrumental conditions for the GC/FID analyses in this study were adjusted so that compounds with boiling points between about hexane (C6) and n-tetracontane (C40) were detectable in one analytical run. This range includes most of the VOCs and all of the SVOCs commonly measured in environmental investigations. In particular, it includes benzene, toluene, ethylbenzene, xylenes, and the 16 priority pollutant PAHs that comprise a major portion of MGP tars and other pyrogenic substances. It also includes the range of compounds that are measurable in pyrogenic substances by gas chromatographic methods. Finally, META's GC/FID conditions detect most of the constituents of gasoline, as well as all of the constituents of higher boiling petroleum products (e.g., kerosene, diesel, refined oils).

Source identification using GC/FID is mostly qualitatively applied. An experienced chemist examines the chromatograms, compares them to those of reference materials, and makes a judgment regarding the nature and source of the contamination in the sample. The chemist might go "peak-by-peak" looking for similarities and differences, comparing peak ratios, and looking for indicator compounds.

For some samples, GC/FID fingerprinting is accurate and sufficient. However, the reliability of GC/FID fingerprinting decreases when multiple sources are present in a sample and when the sample composition becomes extensively altered by environmental weathering processes. Other testing methods, such as GC/MS, are complementary for source identification under these conditions.

Extended PAH Profiles (EPPs) by GC/MS

Samples from the McKinney site also were analyzed by GC/MS for an expanded list of MAHs and PAHs (EPPs). Separation was accomplished with gas chromatography using a method similar to the GC/FID method discussed previously. However, in GC/MS, once compounds exit the column, they are detected using a mass spectrometer. In the mass spectrometer, the molecules of each compound are ionized at high temperature and vacuum. The ionic fragments are unstable and fragment into smaller ions. The ions are then counted and the mass spectrum recorded. Thus, the mass spectrum for a compound is the pattern of ionic fragments that forms when that compound is ionized. Mass spectra vary widely and are characteristic of their source compound. For example, the mass spectrum of hexane is very different from the mass spectrum of benzene even though both compounds contain six carbon atoms plus hydrogen atoms.

In GC/MS, one obtains both a chromatogram of peaks and additional compound-specific information in the mass spectrum. When executed in a controlled and reproducible manner, the GC/MS method produces multiple "fingerprints" of a sample when specific fragment ions are isolated.

GC/MS is utilized in two general ways in environmental forensic chemistry. First, samples are analyzed under the conditions required by various standard methods, particularly EPA Methods 8260 and 8270 (U.S. EPA SW-846). The concentrations of certain target compounds are determined and the mass spectrum of each peak in the chromatogram is generated and stored. These mass spectra can be used to identify non-target compounds or to generate extracted ion current profiles (EICPs). Second, various specialty methods are utilized where the GC/MS operating conditions are setup to measure only certain groups of compounds. For example, the method described in 40 CFR Subchapter J Part 300 Subpart L Appendix C for PAHs, alkylated PAHs, and biomarkers is used extensively in oil spill and UST release analyses. This method is similar to ASTM Method D 5739-95, "Standard Practice for Oil Spill Source Identification by Gas Chromatography and Positive Ion Electron Impact Low Resolution Mass Spectrometry."

GC/MS data are used both qualitatively and quantitatively. An experienced chemist examines the chromatograms, compares them to those of reference materials, and makes judgments regarding the nature and source of the contamination in the sample. The chemist might go "peak-by-peak" looking for similarities and differences, comparing peak ratios, and looking for indicator compounds. This process is described in detail in ASTM Method D 5739-95.

GC/MS data are more commonly used quantitatively by calculating the concentrations of selected compounds, by comparing peak area ratios, or by applying chemometric or pattern recognition techniques to the raw or adjusted data. These data analysis methods are used extensively with extended PAH profiles (MAHs, PAHs and alkylated PAHs) and with biomarker compound data. Various degrees of statistical confidence can be achieved by examining chemical concentrations and compound ratios or patterns from multiple samples and replicate samples. This characteristic of GC/MS quantitative data is particularly valuable when assessing the degree of similarity or difference between samples, particularly when multiple sources of hydrocarbons are present in the sample or when environmental weathering has altered the original distributions of hydrocarbons.

Finally, the mass spectra of selected compounds also can be examined to determine whether any diagnostic or indicator chemicals are present in the sample. For example, the PAH retene (1-methyl-7-isopropylphenanthrene) is present in significant concentrations in coal, but at much lower concentrations in coal tar or petroleum products. Thus, the ratio of retene to chrysene can be used to determine whether coal fines are present in a soil sample and to explain some of the hydrocarbon patterns observed at sites where coal was used extensively. Further, unknown compounds can be identified and their presence used as clues to the source(s) of the chemicals.

The GC/MS data in this study were reported and utilized both qualitatively and quantitatively. First, the concentrations of MAHs, PAHs and alkylated PAHs were calculated and included in Appendix C. These concentrations were utilized to estimate contaminant levels in samples, to generate bar graphs (Appendix D) and compare compound ratios. The ratios were used to generate plots for identifying samples with similar compositions.

The GC/MS data also were used qualitatively by generating extracted ion current profiles (EICPs) for selected compounds and compound groups of forensic value (Appendix E). For example, the EICPs for selected "biomarker" compounds including normal alkanes, isoprenoid hydrocarbons, alkylcyclohexanes, triterpanes and steranes are shown on the first page of the EICP report for each sample. These compound groups are commonly used in hydrocarbon source identifications and weathering evaluations. For example, the estimated boiling point range of a refined petroleum product, as indicated by the location of the alkanes and unresolved complex mixture (UCM) on the chromatogram, can be used to determine whether the material is kerosene, diesel, No. 6 fuel oil, or some other product. Similarly, triterpanes and steranes are known to be present in crude oils and some refined petroleum products, but not found in coke oven tars and rarely found in MGP tars. Therefore, the presence of triterpanes and steranes is monitored to confirm and refine the petrogenic verses pyrogenic assessment conducted with the PAH profiles.

PCBs by GC/ECD

PCB concentration data generated from the GC/ECD are provided in Appendix F.

**Sample-Specific Observations**

MW-3 Product

Sample MW-3 Product contained a mixture of pyrogenic and petrogenic materials (see definitions). The pyrogenic material was indicated by the wide range distribution of unsubstituted PAHs, with the 3- and 4-ring PAHs dominant.

The petrogenic material was indicated by an unresolved complex mixture (UCM) that eluted from about 20 minutes (C14 – tetradecane) to about 46 minutes (C36 – hexatriacontane) with a maximum at about 36 minutes (C25 – pentacosane) in the GC/FID chromatogram. The presence of isoprenoid compounds including pristane and phytane; alkyl-cyclohexane hydrocarbons; and sesquiterpane, triterpane, and sterane petroleum biomarkers in the GCMS extracted ion current profiles (EICPs - Appendix E) indicates that this material was produced from petroleum.

Examples of common petroleum products with these features include lubricating oils such as motor oil, gear oil, transmission oil and some hydraulic fluids.

The duplicate extraction showed similar results.

**Discussion**

The prominent feature in sample MW-3 Product is the petrogenic material tentatively identified as lubricating oil similar to motor oil. This material represents approximately 99.5% of the total NAPL weight and appears consistent with waste automotive lubricating oils in META's petroleum reference material library.

The source of the pyrogenic PAHs cannot be specifically determined with a single sample, however incomplete combustion occurring within a gasoline or diesel fired engine will generate PAHs which can be dissolved by the engine lubricating oil, so it is not uncommon to see some or all of gasoline, PAHs, dissolved metals, and organic lead present in used motor oil.

Alternatively, PAHs are present in wood preservatives such as creosote as well as roofing shingles and tar, and some waterproofing materials. A release of motor oil coming in contact with materials similar to these, above ground or in the subsurface, would likely exhibit some concentration of PAHs because of the affinity of petroleum products to dissolve coal tar and creosote. The double-ratio PAH plot in Figure 1 shows good correlation between the sample, its duplicate, and tars and tar products generated from coal pyrolysis, indicating that the PAHs present in sample MW-3 Product are coal-derived rather than petroleum derived. This observations is supported by the high relative amounts of dibenzofuran (an oxygen-containing compound) and benzofluorenes (high molecular weight PAHs present at relatively high concentrations in coal tar and creosote).

Additionally, sample MW-3 Product was screened for the organo-metallic compound tetraethyl lead by the GC/M/SIM analysis. Tetraethyl lead was used in gasoline for the greater part of the 20$^{th}$ century as an anti-knock agent, and is useful for determining estimated age of release for products identified as containing gasoline. The screen analysis did not show any tetraethyl lead present down to an estimated detection limit of about 0.3 mg/kg in the NAPL.

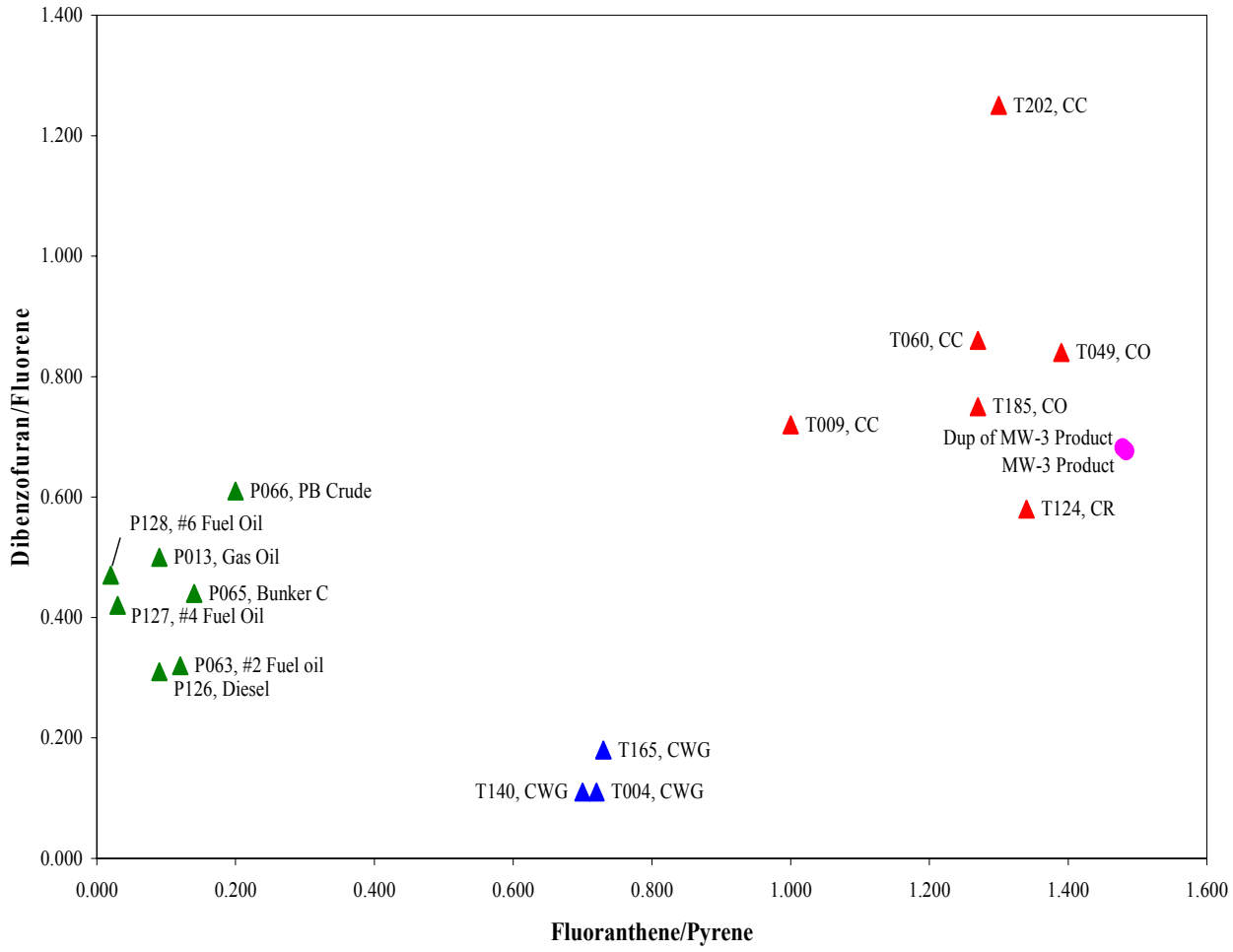
## Table 1. Selected Source and Weathering Ratios

| | Fl/Py | D/F | C17/Pris | C18/Phy | Pris/Phy | C3D/C3PA | C2D/C2PA | BF/MP |
|---|---|---|---|---|---|---|---|---|
| **MW-3 Product** | 1.479 | 0.682 | NC | NC | 0.759 | 0.484 | 0.430 | 0.867 |
| **Dup of MW-3 Product** | 1.484 | 0.676 | NC | NC | 0.763 | 0.478 | 0.425 | 0.845 |

**Ratios:**

| | |
|---|---|
| Fl/Py | fluoranthene/pyrene |
| D/F | dibenzofuran/fluorene |
| C17/Pris | heptadecane/pristane |
| C18/Phy | octadecane/phytane |
| Pris/Phy | pristane/phytane |
| C3D/C3PA | trialkyldibenzothiophenes/trialkylphenanthrenes/anthracenes |
| C2D/C2PA | dialkyldibenzothiophenes/dialkylphenanthrenes/anthracenes |
| BF/MP | benzofluorenes/methylpyrenes |
| NC | Not calculable |

**Figure 1. Selected Diagnostic Ratios – Fl/Py v. D/F**




TXXX Tar Sample from META's in house source library
CC Coal Carbonization Tar
CO Coke Oven Tar
CR Creosote
CWG Carbureted Water Gas Tar
● Field Samples

# Definitions

Pyrogenic substances are complex mixtures of primarily hydrocarbons produced from organic matter subjected to high temperatures but with insufficient oxygen for complete combustion. Pyrogenic materials are produced by fires, internal combustion engines, and furnaces. They also are formed when coke or gas are produced from coal or oil. Coal-tar based products, such as roofing, pavement sealers, waterproofing, pesticides, and some shampoos contain pyrogenic materials.

Petrogenic substances include crude oil and crude oil derivatives such as gasoline, heating oil, and asphalt.

Pitch is the semi-solid or solid material consisting of high molecular weight hydrocarbons that remain following coal tar distillation.

# References

McNicoll, D., Tousignant, L.P., Augustine, P. "Facts and Fallacies: Petroleum Degradation in a Subsurface Environment." Contaminated Soil Sediment and Water, 17-21, June,July 2001

"Chemical Fingerprinting of Hydrocarbons," in: Introduction to Environmental Forensics. B.L. Murphy and R.D. Morrison editors, Academic Press, San Diego, CA 2002.

Mauro, D.M., "Chemical Source Attribution at former MGP Sites," EPRI Report 1000728, December 2000.

# Appendix A

# Chain of Custody

# CHAIN OF CUSTODY RECORD


**META** Environmental, Inc.

49 Clarendon St. - Watertown, Massachusetts - 02472

Tel (617) 923-4662 - Fax (617) 923-4610 - www.metaenv.com


**PROJECT** McKinney Property Site / Syracuse

**CONTACT** Dan Bishuk

**COMPANY** Dvirka and Bartilucci Consulting Engineers

**ADDRESS** 5879 Fisher Rd, P.O. Box 56, East Syracuse, NY 13057

**EMAIL** dbishuk@dbsyracuse.com

**PHONE** (315) 437-1142 **FAX** (315) 437-1282

**Turn Around Time**

Standard ☒

If Authorized *

1 Week ☐

Other ☐ _____

**SAMPLED BY**

Print Name: Daniel Bishuk Jr. Sign: Daniel Bishuk Jr.

Print Name: _____ Sign: _____

| Samp # | Date | Time | Field Sample ID | Container Size | Container G/P | Grab | Composite | # of Containers | Matrix | Preserv. | Parameters: PCBs as Aroclors by GC/ECD USEPA Method 8082 | Qualitative Hydrocarbon Fingerprint GC/FID USEPA Method 8100 MOD. | | Extended PAH Profiles GC/MS USEPA Method 8270 MOD | | Alkylated Lead Profiling USEPA Method 8270 MOD. | | | | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3/6/08 | 15:10 | MW-3 Product | 40ml | | ✓ | | 2 | Aqueous | Ice only | ✓ | ✓ | | ✓ | | ✓ | | | | CAUTION: Separate-Phase Product |
| | | | | | | | | | | | | | | | | | | | | DB080307-01 |
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| Relinquished by | Date & Time | Relinquished by | Date & Time | Relinquished by | Date & Time |
|---|---|---|---|---|---|
| Daniel Bishuk Jr. | 3/6/08 18:00 | | | | |
| **Received by** | **Date & Time** | **Received by** | **Date & Time** | **Received by** | **Date & Time** |
| | 3/7/08 10:35 | | | | |

Shipping Info.

Remarks

Temp °C 6

* Surcharges may apply

**META Environmental, Inc.**

Sample Receipt Log

| Lab ID | Field ID | Matrix | Prep Method | Cleanup Method | Analysis Method | Date Sampled | Date Received | Project # | Container | Comments | Client Name | Project Name |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DB080307-01a,b | MW-3 Product | NAPL | 2512 | | 4007/4008/4016/Pb | 3/6/2008 | 3/7/2008 | D07007-60 | 2 x 40 mL voa viles | Caution: Separate Phase Product | Duirka and Bartilucci | McKinney Property Site/Syracuse |

Logged By: _____

Date: 3/7/08



Reviewed By: _____

Date: 3/7/08

META Environmental, Inc.

**Sample Receipt Checklist**

Receipt date: 3/7/08

Login date: 3/7/08

Login personnel: EL

**Client Information:.**

Company Name: Dvirka and Bartilucci Consulting Enterprises

Project Manager: Dan Bishek

Project Name: McKinney Property 2Ft / Syracuse

**Shipping Information:**

How were samples received? UPS (FedEx) DHL Other:

Number of coolers: 1

Internal temperature of coolers: 6°C

Was ice present? (Yes) / No

*Note: if cooler is outside the 2-6° range, META's project manager should be notified.*

**Documentation:**

Was a Chain of Custody present? (Yes) / No

Was it signed? (Yes) / No

Was all project information present on the COC? (Yes) / No

Was a bill of lading or shipping label retained? (Yes) / No

**Sample Information:**

Number of sample containers: 2

Does this match the COC? (Yes) / No

Were all sample containers Intact? (Yes) / No

If no, list samples and problems:

*Note: if samples are damaged, META's project manager should be notified.*

For aqueous 40ml Voas; was headspace present? Yes / No / (NA)

**Comments:**

Custodian: [signature]

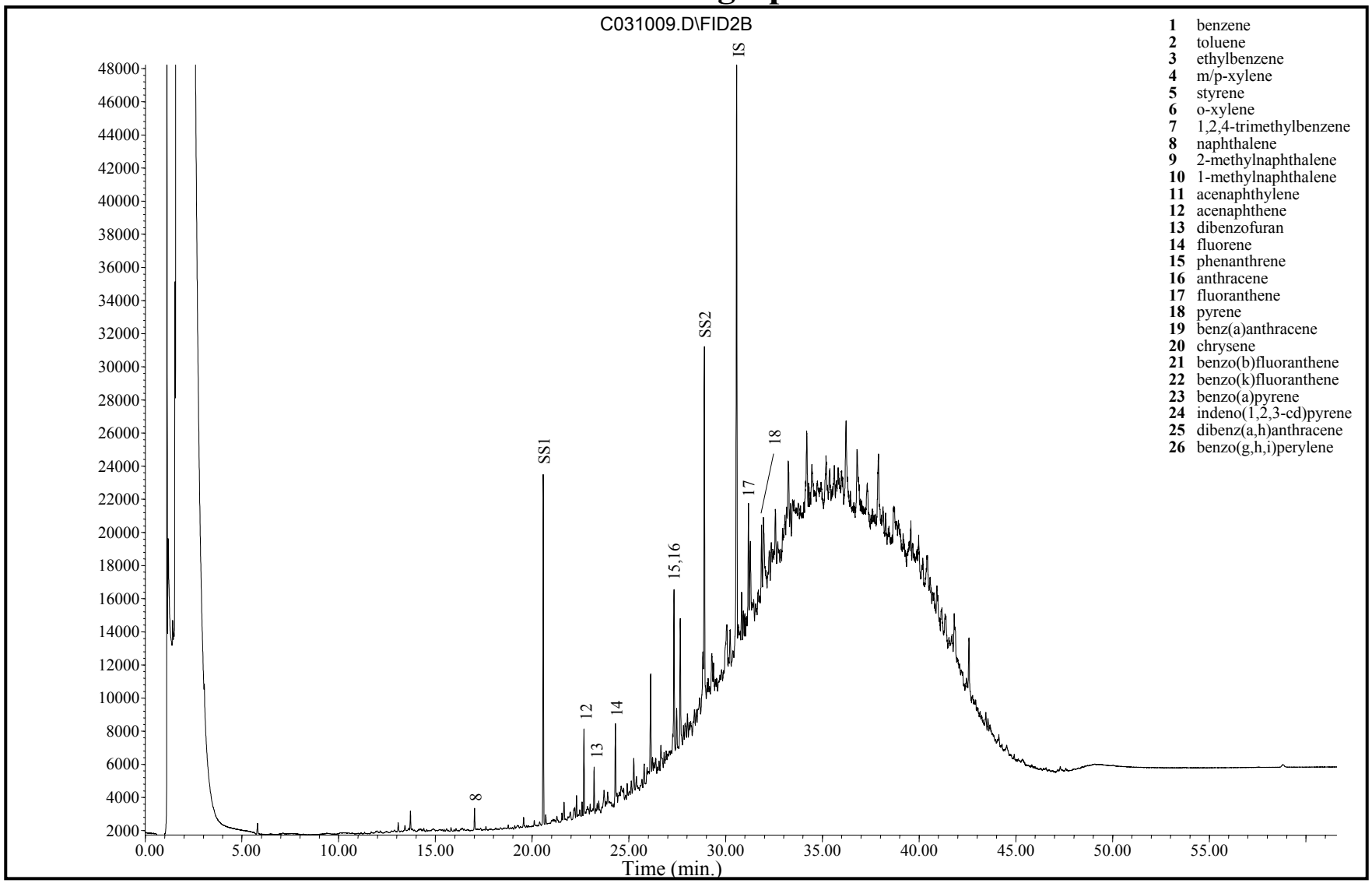
Project Manager: [signature]

# Appendix B

# GC/FID Fingerprints

# GC/FID Fingerprint






***Extraction Date: 03/10/2008***
***Analysis Date: 03/11/2008***

*IS – 5-a-androstane*
*SS1 – 2-fluorobiphenyl*
*SS2 – o-terphenyl*

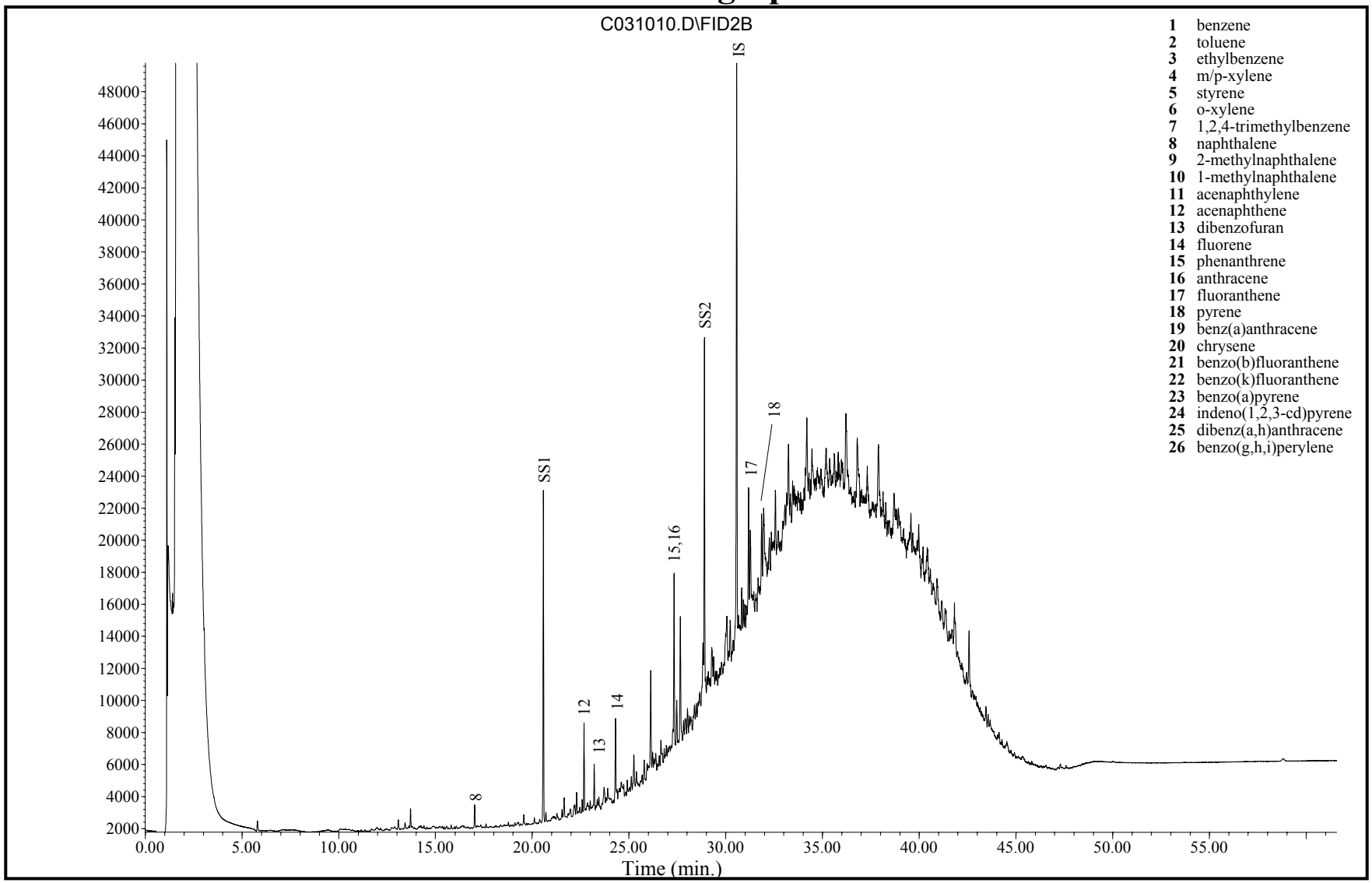
**Field ID:** **MW-3 Product**
Laboratory ID: DB080307-01
Method: EPA 8100M



META

# GC/FID Fingerprint






***Extraction Date: 03/10/2008***
***Analysis Date: 03/11/2008***

*IS – 5-a-androstane*
*SS1 – 2-fluorobiphenyl*
*SS2 – o-terphenyl*

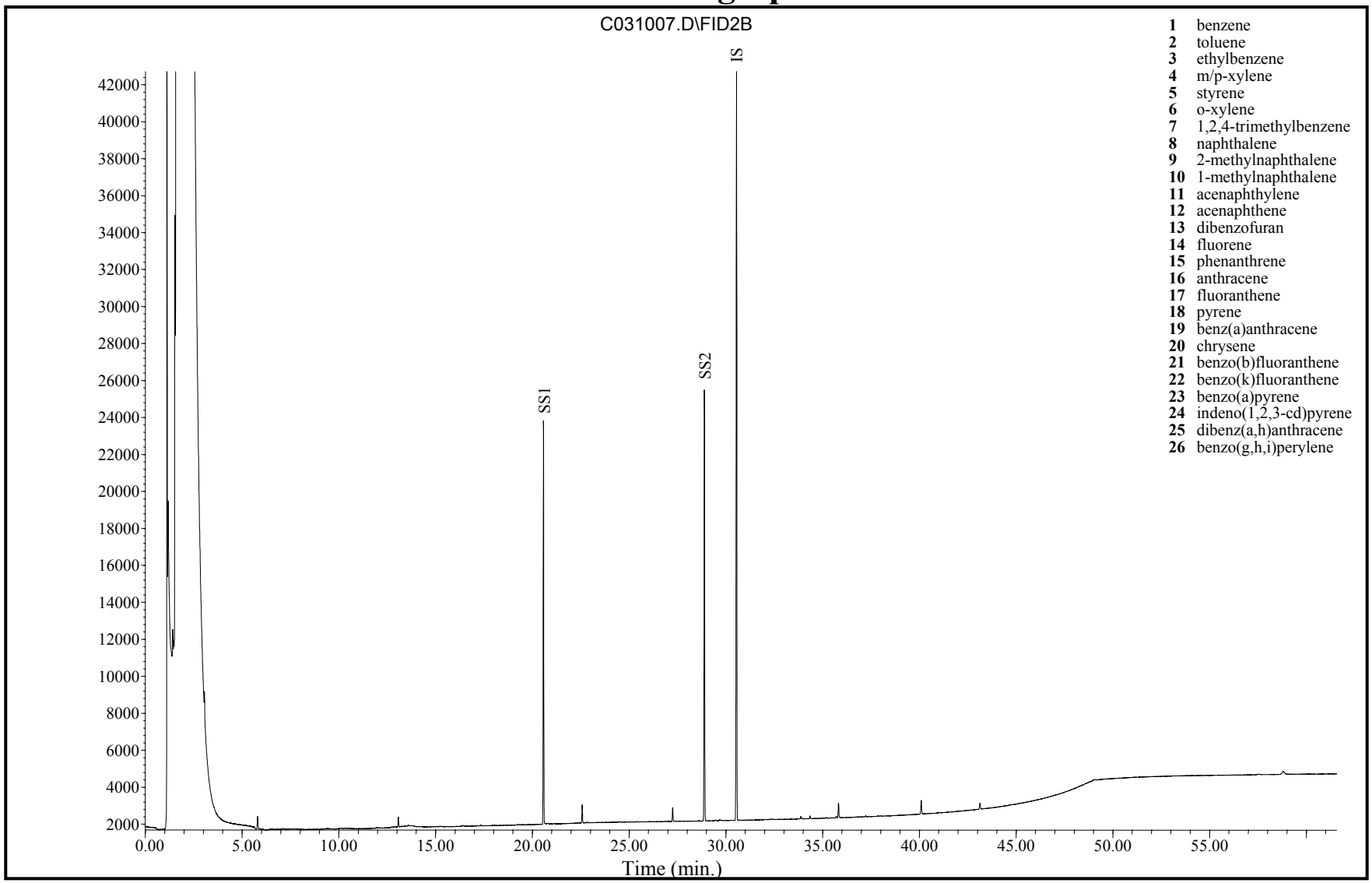
**Field ID:** **MW-3 Product**
Laboratory ID: DB080307-01DUP
Method: EPA 8100M



META

# GC/FID Fingerprint






***Extraction Date: 03/10/2008***
***Analysis Date: 03/11/2008***

*IS – 5-a-androstane*
*SS1 – 2-fluorobiphenyl*
*SS2 – o-terphenyl*

**Field ID:** **Method Blank**
Laboratory ID: QC080310-MB
Method: EPA 8100M



META

# Appendix C

# MAH/PAH Concentrations

# Analytical Results for Volatile and Semivolatile Organics
# META Environmental, Inc.

## Field ID: MW-3 Product

| | | | |
|---|---|---|---|
| Client: | Dvirka & Bartilucci | Preparation Method: | EPA 3580 |
| Project: | McKinney Site | Cleanup Method(s): | NA |
| | | Analysis Method: | EPA 8270M |
| Lab ID | DB080307-01 | | |
| File ID: | E031221.D | Matrix: | NAPL |
| | | Preservation: | None |
| Date Sampled: | 3/6/2008 | Decanted: | None |
| Date Received: | 3/7/2008 | | |
| Date Prepared: | 3/10/2008 | Sample Size (g): | 0.0162 |
| Date Cleanup: | NA | Percent Solid: | NA |
| Date Analyzed: | 3/13/2008 | Extract Volume (µl): | 2000 |
| Instrument: | El Camino | Prep DF: | 1.00 |
| Operator: | JAR | Analysis DF: | 1.00 |
| | | Injection Volume (µl): | 1.00 |
| Batch QC: | QC080310-MB | | |

| Analyte | Concentration (mg/kg) | RL | EDL | Comments |
|---|---|---|---|---|
| MAH & PAH COMPOUNDS: | | | | |
| Benzene | 2.21 B | 0.617 | 0.309 | |
| Toluene | 1.01 J | 1.23 | 0.617 | |
| Ethylbenzene | 3.34 | 0.617 | 0.309 | |
| m/p-Xylenes | 2.87 | 0.617 | 0.309 | |
| Styrene | 2.22 B | 1.23 | 0.617 | |
| o-Xylene | 1.09 | 0.617 | 0.309 | |
| Isopropylbenzene | 1.23 | 0.617 | 0.309 | |
| n-Propylbenzene | 1.49 | 0.617 | 0.309 | |
| 1,3,5-Trimethylbenzene | 0.976 | 0.617 | 0.309 | |
| 1,2,4-Trimethylbenzene | 2.26 | 0.617 | 0.309 | |
| t-Butylbenzene | 0.977 | 0.617 | 0.309 | |
| sec-Butylbenzene | 2.28 | 0.617 | 0.309 | |
| p-Isopropyltoluene | 2.8 | 0.617 | 0.309 | |
| n-Butylbenzene | 4.44 | 0.617 | 0.309 | |
| C1 - Benzene | 0.728 J | 1.23 | 0.617 | |
| C2 - Benzene | 4.14 | 0.617 | 0.309 | |
| C3 - Benzene | 8.04 | 0.617 | 0.309 | |
| C4 - Benzene | 24.8 | 0.617 | 0.309 | |
| C5 - Benzene | 18.4 | 0.617 | 0.309 | |
| trans-Decalin | 18.5 | 0.617 | 0.309 | |
| cis-Decalin | 1.2 | 0.617 | 0.309 | |
| Naphthalene | 142 B | 0.617 | 0.309 | |
| 2-Methylnaphthalene | 8.25 | 0.617 | 0.309 | |
| 1-Methylnaphthalene | 61.4 | 0.617 | 0.309 | |
| C1 - Naphthalene | 43.6 | 0.617 | 0.309 | |
| C2 - Naphthalene | 96.9 | 0.617 | 0.309 | |
| C3- Naphthalene | 177 | 0.617 | 0.309 | |
| C4- Naphthalene | 276 | 0.617 | 0.309 | |
| Acenaphthylene | 11.0 B | 0.617 | 0.309 | |
| Acenaphthene | 550 | 0.617 | 0.309 | |
| Dibenzofuran | 388 | 0.617 | 0.309 | |
| Fluorene | 569 | 0.617 | 0.309 | |
| C1 - Fluorene | 127 | 0.617 | 0.309 | |
| C2 - Fluorene | 251 | 0.617 | 0.309 | |
| C3 - Fluorene | 359 | 0.617 | 0.309 | |
| Phenanthrene | 1,170 | 0.617 | 0.309 | |
| Anthracene | 290 | 0.617 | 0.309 | |

# Analytical Results for Volatile and Semivolatile Organics
# META Environmental, Inc.

## Field ID: MW-3 Product

| | | | |
|---|---|---|---|
| Client: | Dvirka & Bartilucci | Preparation Method: | EPA 3580 |
| Project: | McKinney Site | Cleanup Method(s): | NA |
| | | Analysis Method: | EPA 8270M |
| Lab ID | DB080307-01 | | |
| File ID: | E031221.D | Matrix: | NAPL |
| | | Preservation: | None |
| Date Sampled: | 3/6/2008 | Decanted: | None |
| Date Received: | 3/7/2008 | | |
| Date Prepared: | 3/10/2008 | Sample Size (g): | 0.0162 |
| Date Cleanup: | NA | Percent Solid: | NA |
| Date Analyzed: | 3/13/2008 | Extract Volume (µl): | 2000 |
| Instrument: | El Camino | Prep DF: | 1.00 |
| Operator: | JAR | Analysis DF: | 1.00 |
| | | Injection Volume (µl): | 1.00 |
| Batch QC: | QC080310-MB | | |

| Analyte | Concentration (mg/kg) | | RL | EDL | Comments |
|---|---|---|---|---|---|
| C1 - Phenanthrene/Anthracene | 567 | | 0.617 | 0.309 | |
| C2 - Phenanthrene/Anthracene | 835 | | 0.617 | 0.309 | |
| C3 - Phenanthrene/Anthracene | 964 | | 0.617 | 0.309 | |
| C4 - Phenanthrene/Anthracene | 544 | | 0.617 | 0.309 | |
| Dibenzothiophene | 101 | | 0.617 | 0.309 | |
| C1 - Dibenzothiophene | 169 | | 0.617 | 0.309 | |
| C2 - Dibenzothiophene | 359 | | 0.617 | 0.309 | |
| C3 - Dibenzothiophene | 467 | | 0.617 | 0.309 | |
| C4 - Dibenzothiophene | 296 | | 0.617 | 0.309 | |
| Benzo(b)naphtho(2,1-d)thiophene | 56.7 | | 0.617 | 0.309 | |
| Fluoranthene | 902 | | 0.617 | 0.309 | |
| Pyrene | 610 | | 0.617 | 0.309 | |
| C1 - Fluoranthene/Pyrene | 423 | | 0.617 | 0.309 | |
| C2 - Fluoranthene/Pyrene | 330 | | 0.617 | 0.309 | |
| C3 - Fluoranthene/Pyrene | 350 | | 0.617 | 0.309 | |
| Benz[a]anthracene | 177 | | 0.617 | 0.309 | |
| Chrysene* | 193 | | 0.617 | 0.309 | |
| C1 - Benz(a)anthracene/Chrysene | 210 | | 0.617 | 0.309 | |
| C2 - Benz(a)anthracene/Chrysene | 261 | | 0.617 | 0.309 | |
| C3 - Benz(a)anthracene/Chrysene | 199 | | 0.617 | 0.309 | |
| C4 - Benz(a)anthracene/Chrysene | 126 | | 0.617 | 0.309 | |
| Benzo[b]fluoranthene | 69.1 | | 0.617 | 0.309 | |
| Benzo[j/k]fluoranthene | 61.6 | | 0.617 | 0.309 | |
| Benzo(e)pyrene | 49.2 | | 0.617 | 0.309 | |
| Benzo[a]pyrene | 56.7 | | 0.617 | 0.309 | |
| Perylene | 14.6 | | 0.617 | 0.309 | |
| Indeno[1,2,3-cd]pyrene | 20.8 | | 0.617 | 0.309 | |
| Dibenz[a,h]anthracene | 6.51 | | 0.617 | 0.309 | |
| Benzo[g,h,i]perylene | 14.6 | | 0.617 | 0.309 | |
| Coronene | 1.75 | | 0.617 | 0.309 | |
| Retene | 174 | | 0.617 | 0.309 | |
| Benzo(b/c)fluorenes | 100 | | 0.617 | 0.309 | |
| 2-Methylpyrene | 37.1 | | 0.617 | 0.309 | |
| 4-Methylpyrene | 45.6 | | 0.617 | 0.309 | |
| 1-Methylpyrene | 32.7 | | 0.617 | 0.309 | |
| Heptadecane | | U | 1.23 | 0.617 | |
| Pristane | 820 | | 0.617 | 0.309 | |
| Octadecane | | U | 1.23 | 0.617 | |
| Phytane | 1,080 | | 0.617 | 0.309 | |

# Analytical Results for Volatile and Semivolatile Organics
# META Environmental, Inc.

## Field ID: MW-3 Product

| | | | |
|---|---|---|---|
| Client: | Dvirka & Bartilucci | Preparation Method: | EPA 3580 |
| Project: | McKinney Site | Cleanup Method(s): | NA |
| | | Analysis Method: | EPA 8270M |
| Lab ID | DB080307-01 | | |
| File ID: | E031221.D | Matrix: | NAPL |
| | | Preservation: | None |
| Date Sampled: | 3/6/2008 | Decanted: | None |
| Date Received: | 3/7/2008 | | |
| Date Prepared: | 3/10/2008 | Sample Size (g): | 0.0162 |
| Date Cleanup: | NA | Percent Solid: | NA |
| Date Analyzed: | 3/13/2008 | Extract Volume (µl): | 2000 |
| Instrument: | El Camino | Prep DF: | 1.00 |
| Operator: | JAR | Analysis DF: | 1.00 |
| | | Injection Volume (µl): | 1.00 |
| Batch QC: | QC080310-MB | | |

| Analyte | Concentration (mg/kg) | RL | EDL | Comments |
|---|---|---|---|---|
| 2,6,10-trimethyldodecane | 35.2 | 0.617 | 0.309 | |
| 2,6,10-trimethyltridecane | 76.4 | 0.617 | 0.309 | |
| Norpristane | 226 | 0.617 | 0.309 | |
| Total PAH (16) | 4,840 | 0.617 | 0.309 | |
| Total PAH (42) | 12,800 | 0.617 | 0.309 | |

| *Extraction Surrogate Recoveries (%)* | | Limits |
|---|---|---|
| Toluene-d8 | 77 | 50 - 120 |
| Phenanthrene-d10 | 108 | 50 - 120 |
| Perylene-d12 | 92 | 50 - 120 |

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.
* - Triphenylene is known to coelute with this compound.

# Analytical Results for Volatile and Semivolatile Organics
# META Environmental, Inc.

## Field ID: Method Blank

| | | | |
|---|---|---|---|
| Client: | Dvirka & Bartilucci | Preparation Method: | EPA 3580 |
| Project: | McKinney Site | Cleanup Method(s): | NA |
| | | Analysis Method: | EPA 8270M |
| Lab ID | QC080310-MB | | |
| File ID: | E031219.D | Matrix: | NAPL |
| | | Preservation: | None |
| Date Sampled: | NA | Decanted: | None |
| Date Received: | NA | | |
| Date Prepared: | 3/10/2008 | Sample Size (g): | 0.01 |
| Date Cleanup: | NA | Percent Solid: | NA |
| Date Analyzed: | 3/13/2008 | Extract Volume (µl): | 2000 |
| Instrument: | El Camino | Prep DF: | 1.00 |
| Operator: | JAR | Analysis DF: | 1.00 |
| | | Injection Volume (µl): | 1.00 |
| Batch QC: | QC080310-MB | | |

| Analyte | Concentration (mg/kg) | RL | EDL | Comments |
|---|---|---|---|---|
| MAH & PAH COMPOUNDS: | | | | |
| Benzene | 13.6 | 1.0 | 0.500 | |
| Toluene | U | 2.0 | 1.0 | |
| Ethylbenzene | U | 1.0 | 0.500 | |
| m/p-Xylenes | U | 1.0 | 0.500 | |
| Styrene | 5.96 | 2.0 | 1.0 | |
| o-Xylene | U | 1.0 | 0.500 | |
| Isopropylbenzene | U | 1.0 | 0.500 | |
| n-Propylbenzene | U | 1.0 | 0.500 | |
| 1,3,5-Trimethylbenzene | U | 1.0 | 0.500 | |
| 1,2,4-Trimethylbenzene | U | 1.0 | 0.500 | |
| t-Butylbenzene | U | 1.0 | 0.500 | |
| sec-Butylbenzene | U | 1.0 | 0.500 | |
| p-Isopropyltoluene | U | 1.0 | 0.500 | |
| n-Butylbenzene | U | 1.0 | 0.500 | |
| C1 - Benzene | U | 2.0 | 1.0 | |
| C2 - Benzene | U | 1.0 | 0.500 | |
| C3 - Benzene | U | 1.0 | 0.500 | |
| C4 - Benzene | U | 1.0 | 0.500 | |
| C5 - Benzene | U | 1.0 | 0.500 | |
| trans-Decalin | U | 1.0 | 0.500 | |
| cis-Decalin | U | 1.0 | 0.500 | |
| Naphthalene | 2.21 | 1.0 | 0.500 | |
| 2-Methylnaphthalene | U | 1.0 | 0.500 | |
| 1-Methylnaphthalene | U | 1.0 | 0.500 | |
| C1 - Naphthalene | U | 1.0 | 0.500 | |
| C2 - Naphthalene | U | 1.0 | 0.500 | |
| C3- Naphthalene | U | 1.0 | 0.500 | |
| C4- Naphthalene | U | 1.0 | 0.500 | |
| Acenaphthylene | 5.17 | 1.0 | 0.500 | |
| Acenaphthene | U | 1.0 | 0.500 | |
| Dibenzofuran | U | 1.0 | 0.500 | |
| Fluorene | U | 1.0 | 0.500 | |
| C1 - Fluorene | U | 1.0 | 0.500 | |
| C2 - Fluorene | U | 1.0 | 0.500 | |
| C3 - Fluorene | U | 1.0 | 0.500 | |
| Phenanthrene | U | 1.0 | 0.500 | |
| Anthracene | U | 1.0 | 0.500 | |

# Analytical Results for Volatile and Semivolatile Organics
# META Environmental, Inc.

## Field ID: Method Blank

| | | | |
|---|---|---|---|
| Client: | Dvirka & Bartilucci | Preparation Method: | EPA 3580 |
| Project: | McKinney Site | Cleanup Method(s): | NA |
| | | Analysis Method: | EPA 8270M |
| Lab ID | QC080310-MB | | |
| File ID: | E031219.D | Matrix: | NAPL |
| | | Preservation: | None |
| Date Sampled: | NA | Decanted: | None |
| Date Received: | NA | | |
| Date Prepared: | 3/10/2008 | Sample Size (g): | 0.01 |
| Date Cleanup: | NA | Percent Solid: | NA |
| Date Analyzed: | 3/13/2008 | Extract Volume (µl): | 2000 |
| Instrument: | El Camino | Prep DF: | 1.00 |
| Operator: | JAR | Analysis DF: | 1.00 |
| | | Injection Volume (µl): | 1.00 |
| Batch QC: | QC080310-MB | | |

| Analyte | Concentration (mg/kg) | RL | EDL | Comments |
|---|---|---|---|---|
| C1 - Phenanthrene/Anthracene | U | 1.0 | 0.500 | |
| C2 - Phenanthrene/Anthracene | U | 1.0 | 0.500 | |
| C3 - Phenanthrene/Anthracene | U | 1.0 | 0.500 | |
| C4 - Phenanthrene/Anthracene | U | 1.0 | 0.500 | |
| Dibenzothiophene | U | 1.0 | 0.500 | |
| C1 - Dibenzothiophene | U | 1.0 | 0.500 | |
| C2 - Dibenzothiophene | U | 1.0 | 0.500 | |
| C3 - Dibenzothiophene | U | 1.0 | 0.500 | |
| C4 - Dibenzothiophene | U | 1.0 | 0.500 | |
| Benzo(b)naphtho(2,1-d)thiophene | U | 1.0 | 0.500 | |
| Fluoranthene | U | 1.0 | 0.500 | |
| Pyrene | U | 1.0 | 0.500 | |
| C1 - Fluoranthene/Pyrene | U | 1.0 | 0.500 | |
| C2 - Fluoranthene/Pyrene | U | 1.0 | 0.500 | |
| C3 - Fluoranthene/Pyrene | U | 1.0 | 0.500 | |
| Benz[a]anthracene | U | 1.0 | 0.500 | |
| Chrysene* | U | 1.0 | 0.500 | |
| C1 - Benz(a)anthracene/Chrysene | U | 1.0 | 0.500 | |
| C2 - Benz(a)anthracene/Chrysene | U | 1.0 | 0.500 | |
| C3 - Benz(a)anthracene/Chrysene | U | 1.0 | 0.500 | |
| C4 - Benz(a)anthracene/Chrysene | U | 1.0 | 0.500 | |
| Benzo[b]fluoranthene | U | 1.0 | 0.500 | |
| Benzo[j/k]fluoranthene | U | 1.0 | 0.500 | |
| Benzo(e)pyrene | U | 1.0 | 0.500 | |
| Benzo[a]pyrene | U | 1.0 | 0.500 | |
| Perylene | U | 1.0 | 0.500 | |
| Indeno[1,2,3-cd]pyrene | U | 1.0 | 0.500 | |
| Dibenz[a,h]anthracene | U | 1.0 | 0.500 | |
| Benzo[g,h,i]perylene | U | 1.0 | 0.500 | |
| Coronene | U | 1.0 | 0.500 | |
| Retene | U | 1.0 | 0.500 | |
| Benzo(b/c)fluorenes | U | 1.0 | 0.500 | |
| 2-Methylpyrene | U | 1.0 | 0.500 | |
| 4-Methylpyrene | U | 1.0 | 0.500 | |
| 1-Methylpyrene | U | 1.0 | 0.500 | |
| Heptadecane | U | 2.0 | 1.0 | |
| Pristane | U | 1.0 | 0.500 | |
| Octadecane | U | 2.0 | 1.0 | |
| Phytane | U | 1.0 | 0.500 | |

# Analytical Results for Volatile and Semivolatile Organics
# META Environmental, Inc.

## Field ID: Method Blank

| | | | |
|---|---|---|---|
| Client: | Dvirka & Bartilucci | Preparation Method: | EPA 3580 |
| Project: | McKinney Site | Cleanup Method(s): | NA |
| | | Analysis Method: | EPA 8270M |
| Lab ID | QC080310-MB | | |
| File ID: | E031219.D | Matrix: | NAPL |
| | | Preservation: | None |
| Date Sampled: | NA | Decanted: | None |
| Date Received: | NA | | |
| Date Prepared: | 3/10/2008 | Sample Size (g): | 0.01 |
| Date Cleanup: | NA | Percent Solid: | NA |
| Date Analyzed: | 3/13/2008 | Extract Volume (µl): | 2000 |
| Instrument: | El Camino | Prep DF: | 1.00 |
| Operator: | JAR | Analysis DF: | 1.00 |
| | | Injection Volume (µl): | 1.00 |
| Batch QC: | QC080310-MB | | |

| Analyte | Concentration (mg/kg) | RL | EDL | Comments |
|---|---|---|---|---|
| 2,6,10-trimethyldodecane | U | 1.0 | 0.500 | |
| 2,6,10-trimethyltridecane | U | 1.0 | 0.500 | |
| Norpristane | U | 1.0 | 0.500 | |
| Total PAH (16) | 7.38 | 1.0 | 0.500 | |
| Total PAH (42) | 7.38 | 1.0 | 0.500 | |

| *Extraction Surrogate Recoveries (%)* | | Limits |
|---|---|---|
| Toluene-d8 | 85 | 50 - 120 |
| Phenanthrene-d10 | 104 | 50 - 120 |
| Perylene-d12 | 79 | 50 - 120 |

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.
* - Triphenylene is known to coelute with this compound.

# Analytical Results for Volatile and Semivolatile Organics
# META Environmental, Inc.

## Field ID: Method Blank Spike

| | | | |
|---|---|---|---|
| Client: | Dvirka & Bartilucci | Preparation Method: | EPA 3580 |
| Project: | McKinney Site | Cleanup Method(s): | NA |
| | | Analysis Method: | EPA 8270M |
| Lab ID | QC080310-MBS | | |
| File ID: | E031220.D | Matrix: | NAPL |
| | | Preservation: | None |
| Date Sampled: | NA | Decanted: | None |
| Date Received: | NA | | |
| Date Prepared: | 3/10/2008 | Sample Size (g): | 0.01 |
| Date Cleanup: | NA | Percent Solid: | NA |
| Date Analyzed: | 3/13/2008 | Extract Volume (µl): | 2000 |
| Instrument: | El Camino | Prep DF: | 1.00 |
| Operator: | JAR | Analysis DF: | 1.00 |
| | | Injection Volume (µl): | 1.00 |
| Batch QC: | QC080310-MB | | |

| Analyte | Concentration (mg/kg) | | | RL | EDL | Comments |
|---|---|---|---|---|---|---|
| MAH & PAH COMPOUNDS: | Spike Amount | | | | | % Recovery |
| Benzene | 1000 | 804 | B | 1.0 | 0.500 | 80 |
| Toluene | 1000 | 838 | | 2.0 | 1.0 | 84 |
| Ethylbenzene | 1000 | 847 | | 1.0 | 0.500 | 85 |
| m/p-Xylenes | 1000 | 874 | | 1.0 | 0.500 | 87 |
| Styrene | 1000 | 855 | B | 2.0 | 1.0 | 86 |
| o-Xylene | 1000 | 879 | | 1.0 | 0.500 | 88 |
| Isopropylbenzene | 1000 | 875 | | 1.0 | 0.500 | 88 |
| n-Propylbenzene | 1000 | 884 | | 1.0 | 0.500 | 88 |
| 1,3,5-Trimethylbenzene | 1000 | 902 | | 1.0 | 0.500 | 90 |
| 1,2,4-Trimethylbenzene | 1000 | 892 | | 1.0 | 0.500 | 89 |
| t-Butylbenzene | | | U | 1.0 | 0.500 | |
| sec-Butylbenzene | 1000 | 887 | | 1.0 | 0.500 | 89 |
| p-Isopropyltoluene | 1000 | 912 | | 1.0 | 0.500 | 91 |
| n-Butylbenzene | 1000 | 907 | | 1.0 | 0.500 | 91 |
| C1 - Benzene | | | U | 2.0 | 1.0 | |
| C2 - Benzene | | | U | 1.0 | 0.500 | |
| C3 - Benzene | | | U | 1.0 | 0.500 | |
| C4 - Benzene | | | U | 1.0 | 0.500 | |
| C5 - Benzene | | | U | 1.0 | 0.500 | |
| trans-Decalin | | | U | 1.0 | 0.500 | |
| cis-Decalin | | | U | 1.0 | 0.500 | |
| Naphthalene | 1000 | 878 | B | 1.0 | 0.500 | 88 |
| 2-Methylnaphthalene | 1000 | 907 | | 1.0 | 0.500 | 91 |
| 1-Methylnaphthalene | 1000 | 885 | | 1.0 | 0.500 | 89 |
| C1 - Naphthalene | | | U | 1.0 | 0.500 | |
| C2 - Naphthalene | | | U | 1.0 | 0.500 | |
| C3- Naphthalene | | | U | 1.0 | 0.500 | |
| C4- Naphthalene | | | U | 1.0 | 0.500 | |
| Acenaphthylene | 1000 | 906 | B | 1.0 | 0.500 | 91 |
| Acenaphthene | 1000 | 931 | | 1.0 | 0.500 | 93 |
| Dibenzofuran | 1000 | 964 | | 1.0 | 0.500 | 96 |
| Fluorene | 1000 | 968 | | 1.0 | 0.500 | 97 |
| C1 - Fluorene | | | U | 1.0 | 0.500 | |
| C2 - Fluorene | | | U | 1.0 | 0.500 | |
| C3 - Fluorene | | | U | 1.0 | 0.500 | |
| Phenanthrene | 1000 | 974 | | 1.0 | 0.500 | 97 |
| Anthracene | 1000 | 1,000 | | 1.0 | 0.500 | 100 |

# Analytical Results for Volatile and Semivolatile Organics
# META Environmental, Inc.

## Field ID: Method Blank Spike

| | | | |
|---|---|---|---|
| Client: | Dvirka & Bartilucci | Preparation Method: | EPA 3580 |
| Project: | McKinney Site | Cleanup Method(s): | NA |
| | | Analysis Method: | EPA 8270M |
| Lab ID | QC080310-MBS | | |
| File ID: | E031220.D | Matrix: | NAPL |
| | | Preservation: | None |
| Date Sampled: | NA | Decanted: | None |
| Date Received: | NA | | |
| Date Prepared: | 3/10/2008 | Sample Size (g): | 0.01 |
| Date Cleanup: | NA | Percent Solid: | NA |
| Date Analyzed: | 3/13/2008 | Extract Volume (µl): | 2000 |
| Instrument: | El Camino | Prep DF: | 1.00 |
| Operator: | JAR | Analysis DF: | 1.00 |
| | | Injection Volume (µl): | 1.00 |
| Batch QC: | QC080310-MB | | |

| Analyte | | Concentration (mg/kg) | | RL | EDL | Comments |
|---|---|---|---|---|---|---|
| C1 - Phenanthrene/Anthracene | | | U | 1.0 | 0.500 | |
| C2 - Phenanthrene/Anthracene | | | U | 1.0 | 0.500 | |
| C3 - Phenanthrene/Anthracene | | | U | 1.0 | 0.500 | |
| C4 - Phenanthrene/Anthracene | | | U | 1.0 | 0.500 | |
| Dibenzothiophene | 1000 | 989 | | 1.0 | 0.500 | 99 |
| C1 - Dibenzothiophene | | | U | 1.0 | 0.500 | |
| C2 - Dibenzothiophene | | | U | 1.0 | 0.500 | |
| C3 - Dibenzothiophene | | | U | 1.0 | 0.500 | |
| C4 - Dibenzothiophene | | | U | 1.0 | 0.500 | |
| Benzo(b)naphtho(2,1-d)thiophene | | | U | 1.0 | 0.500 | |
| Fluoranthene | 1000 | 981 | | 1.0 | 0.500 | 98 |
| Pyrene | 1000 | 956 | | 1.0 | 0.500 | 96 |
| C1 - Fluoranthene/Pyrene | | | U | 1.0 | 0.500 | |
| C2 - Fluoranthene/Pyrene | | | U | 1.0 | 0.500 | |
| C3 - Fluoranthene/Pyrene | | | U | 1.0 | 0.500 | |
| Benz[a]anthracene | 1000 | 924 | | 1.0 | 0.500 | 92 |
| Chrysene* | 1000 | 941 | | 1.0 | 0.500 | 94 |
| C1 - Benz(a)anthracene/Chrysene | | | U | 1.0 | 0.500 | |
| C2 - Benz(a)anthracene/Chrysene | | | U | 1.0 | 0.500 | |
| C3 - Benz(a)anthracene/Chrysene | | | U | 1.0 | 0.500 | |
| C4 - Benz(a)anthracene/Chrysene | | | U | 1.0 | 0.500 | |
| Benzo[b]fluoranthene | 1000 | 930 | | 1.0 | 0.500 | 93 |
| Benzo[j/k]fluoranthene | 1000 | 976 | | 1.0 | 0.500 | 98 |
| Benzo(e)pyrene | 1000 | 918 | | 1.0 | 0.500 | 92 |
| Benzo[a]pyrene | 1000 | 886 | | 1.0 | 0.500 | 89 |
| Perylene | | | U | 1.0 | 0.500 | |
| Indeno[1,2,3-cd]pyrene | 1000 | 990 | | 1.0 | 0.500 | 99 |
| Dibenz[a,h]anthracene | 1000 | 982 | | 1.0 | 0.500 | 98 |
| Benzo[g,h,i]perylene | 1000 | 900 | | 1.0 | 0.500 | 90 |
| Coronene | | | U | 1.0 | 0.500 | |
| Retene | | | U | 1.0 | 0.500 | |
| Benzo(b/c)fluorenes | | | U | 1.0 | 0.500 | |
| 2-Methylpyrene | | | U | 1.0 | 0.500 | |
| 4-Methylpyrene | | | U | 1.0 | 0.500 | |
| 1-Methylpyrene | | | U | 1.0 | 0.500 | |
| Heptadecane | | | U | 2.0 | 1.0 | |
| Pristane | | | U | 1.0 | 0.500 | |
| Octadecane | | | U | 2.0 | 1.0 | |
| Phytane | | | U | 1.0 | 0.500 | |

# Analytical Results for Volatile and Semivolatile Organics
# META Environmental, Inc.

## Field ID: Method Blank Spike

| | | | |
|---|---|---|---|
| Client: | Dvirka & Bartilucci | Preparation Method: | EPA 3580 |
| Project: | McKinney Site | Cleanup Method(s): | NA |
| | | Analysis Method: | EPA 8270M |
| Lab ID | QC080310-MBS | | |
| File ID: | E031220.D | Matrix: | NAPL |
| | | Preservation: | None |
| Date Sampled: | NA | Decanted: | None |
| Date Received: | NA | | |
| Date Prepared: | 3/10/2008 | Sample Size (g): | 0.01 |
| Date Cleanup: | NA | Percent Solid: | NA |
| Date Analyzed: | 3/13/2008 | Extract Volume (µl): | 2000 |
| Instrument: | El Camino | Prep DF: | 1.00 |
| Operator: | JAR | Analysis DF: | 1.00 |
| | | Injection Volume (µl): | 1.00 |
| Batch QC: | QC080310-MB | | |

| Analyte | Concentration (mg/kg) | RL | EDL | Comments |
|---|---|---|---|---|
| 2,6,10-trimethyldodecane | U | 1.0 | 0.500 | |
| 2,6,10-trimethyltridecane | U | 1.0 | 0.500 | |
| Norpristane | U | 1.0 | 0.500 | |

| *Extraction Surrogate Recoveries (%)* | | Limits |
|---|---|---|
| Toluene-d8 | 85 | 50 - 120 |
| Phenanthrene-d10 | 110 | 50 - 120 |
| Perylene-d12 | 84 | 50 - 120 |

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.
* - Triphenylene is known to coelute with this compound.

# Analytical Results for Volatile and Semivolatile Organics
# META Environmental, Inc.

## Field ID: Duplicate of MW-3 Product

| | | | |
|---|---|---|---|
| Client: | Dvirka & Bartilucci | Preparation Method: | EPA 3580 |
| Project: | McKinney Site | Cleanup Method(s): | NA |
| | | Analysis Method: | EPA 8270M |
| Lab ID | DB080307-01DUP | | |
| File ID: | E031222.D | Matrix: | NAPL |
| | | Preservation: | None |
| Date Sampled: | 3/7/2008 | Decanted: | None |
| Date Received: | 3/7/2008 | | |
| Date Prepared: | 3/10/2008 | Sample Size (g): | 0.0134 |
| Date Cleanup: | NA | Percent Solid: | NA |
| Date Analyzed: | 3/13/2008 | Extract Volume (µl): | 2000 |
| Instrument: | El Camino | Prep DF: | 1.00 |
| Operator: | JAR | Analysis DF: | 1.00 |
| | | Injection Volume (µl): | 1.00 |
| Batch QC: | QC080310-MB | | |

| Analyte | Concentration (mg/kg) | RL | EDL | Comments |
|---|---|---|---|---|
| MAH & PAH COMPOUNDS: | | | | RPD |
| Benzene | 2.16 B | 0.746 | 0.373 | 2.3 |
| Toluene | 1.07 J | 1.49 | 0.746 | 5.8 |
| Ethylbenzene | 3.56 | 0.746 | 0.373 | 6.4 |
| m/p-Xylenes | 3.14 | 0.746 | 0.373 | 9 |
| Styrene | 2.04 B | 1.49 | 0.746 | 8.5 |
| o-Xylene | 1.26 | 0.746 | 0.373 | 14.5 |
| Isopropylbenzene | 1.41 | 0.746 | 0.373 | 13.6 |
| n-Propylbenzene | 1.58 | 0.746 | 0.373 | 5.9 |
| 1,3,5-Trimethylbenzene | 1.12 | 0.746 | 0.373 | 13.7 |
| 1,2,4-Trimethylbenzene | 2.7 | 0.746 | 0.373 | 17.7 |
| t-Butylbenzene | 1.17 | 0.746 | 0.373 | 18 |
| sec-Butylbenzene | 2.65 | 0.746 | 0.373 | 15 |
| p-Isopropyltoluene | 3.35 | 0.746 | 0.373 | 17.9 |
| n-Butylbenzene | 5.21 | 0.746 | 0.373 | 16 |
| C1 - Benzene | 0.790 J | 1.49 | 0.746 | 8.2 |
| C2 - Benzene | 4.59 | 0.746 | 0.373 | 10.3 |
| C3 - Benzene | 9.4 | 0.746 | 0.373 | 15.6 |
| C4 - Benzene | 29.8 | 0.746 | 0.373 | 18.3 |
| C5 - Benzene | 23.1 | 0.746 | 0.373 | 22.7 |
| trans-Decalin | 22.1 | 0.746 | 0.373 | 17.7 |
| cis-Decalin | 1.4 | 0.746 | 0.373 | 15.4 |
| Naphthalene | 172 B | 0.746 | 0.373 | 19.1 |
| 2-Methylnaphthalene | 10.5 | 0.746 | 0.373 | 24 |
| 1-Methylnaphthalene | 76.1 | 0.746 | 0.373 | 21.4 |
| C1 - Naphthalene | 54.1 | 0.746 | 0.373 | 21.5 |
| C2 - Naphthalene | 122 | 0.746 | 0.373 | 22.9 |
| C3- Naphthalene | 228 | 0.746 | 0.373 | 25.2 |
| C4- Naphthalene | 353 | 0.746 | 0.373 | 24.5 |
| Acenaphthylene | 13.2 B | 0.746 | 0.373 | 18.2 |
| Acenaphthene | 691 | 0.746 | 0.373 | 22.7 |
| Dibenzofuran | 491 | 0.746 | 0.373 | 23.4 |
| Fluorene | 726 | 0.746 | 0.373 | 24.2 |
| C1 - Fluorene | 166 | 0.746 | 0.373 | 26.6 |
| C2 - Fluorene | 335 | 0.746 | 0.373 | 28.7 |
| C3 - Fluorene | 493 | 0.746 | 0.373 | 31.5 |
| Phenanthrene | 1,490 | 0.746 | 0.373 | 24.1 |
| Anthracene | 365 | 0.746 | 0.373 | 22.9 |

# Analytical Results for Volatile and Semivolatile Organics
# META Environmental, Inc.

## Field ID: Duplicate of MW-3 Product

| | | | |
|---|---|---|---|
| Client: | Dvirka & Bartilucci | Preparation Method: | EPA 3580 |
| Project: | McKinney Site | Cleanup Method(s): | NA |
| | | Analysis Method: | EPA 8270M |
| Lab ID | DB080307-01DUP | | |
| File ID: | E031222.D | Matrix: | NAPL |
| | | Preservation: | None |
| Date Sampled: | 3/7/2008 | Decanted: | None |
| Date Received: | 3/7/2008 | | |
| Date Prepared: | 3/10/2008 | Sample Size (g): | 0.0134 |
| Date Cleanup: | NA | Percent Solid: | NA |
| Date Analyzed: | 3/13/2008 | Extract Volume (µl): | 2000 |
| Instrument: | El Camino | Prep DF: | 1.00 |
| Operator: | JAR | Analysis DF: | 1.00 |
| | | Injection Volume (µl): | 1.00 |
| Batch QC: | QC080310-MB | | |

| Analyte | Concentration (mg/kg) | | RL | EDL | Comments |
|---|---|---|---|---|---|
| C1 - Phenanthrene/Anthracene | 740 | | 0.746 | 0.373 | 26.5 |
| C2 - Phenanthrene/Anthracene | 1,080 | | 0.746 | 0.373 | 25.6 |
| C3 - Phenanthrene/Anthracene | 1,270 | | 0.746 | 0.373 | 27.4 |
| C4 - Phenanthrene/Anthracene | 693 | | 0.746 | 0.373 | 24.1 |
| Dibenzothiophene | 128 | | 0.746 | 0.373 | 23.6 |
| C1 - Dibenzothiophene | 219 | | 0.746 | 0.373 | 25.8 |
| C2 - Dibenzothiophene | 459 | | 0.746 | 0.373 | 24.4 |
| C3 - Dibenzothiophene | 607 | | 0.746 | 0.373 | 26.1 |
| C4 - Dibenzothiophene | 387 | | 0.746 | 0.373 | 26.6 |
| Benzo(b)naphtho(2,1-d)thiophene | 74.5 | | 0.746 | 0.373 | 27.1 |
| Fluoranthene | 1,150 | | 0.746 | 0.373 | 24.2 |
| Pyrene | 775 | | 0.746 | 0.373 | 23.8 |
| C1 - Fluoranthene/Pyrene | 556 | | 0.746 | 0.373 | 27.2 |
| C2 - Fluoranthene/Pyrene | 442 | | 0.746 | 0.373 | 29 |
| C3 - Fluoranthene/Pyrene | 460 | | 0.746 | 0.373 | 27.2 |
| Benz[a]anthracene | 227 | | 0.746 | 0.373 | 24.8 |
| Chrysene* | 245 | | 0.746 | 0.373 | 23.7 |
| C1 - Benz(a)anthracene/Chrysene | 262 | | 0.746 | 0.373 | 22 |
| C2 - Benz(a)anthracene/Chrysene | 336 | | 0.746 | 0.373 | 25.1 |
| C3 - Benz(a)anthracene/Chrysene | 267 | | 0.746 | 0.373 | 29.2 |
| C4 - Benz(a)anthracene/Chrysene | 168 | | 0.746 | 0.373 | 28.6 |
| Benzo[b]fluoranthene | 89.5 | | 0.746 | 0.373 | 25.7 |
| Benzo[j/k]fluoranthene | 79.3 | | 0.746 | 0.373 | 25.1 |
| Benzo(e)pyrene | 63.8 | | 0.746 | 0.373 | 25.8 |
| Benzo[a]pyrene | 73.7 | | 0.746 | 0.373 | 26.1 |
| Perylene | 18.9 | | 0.746 | 0.373 | 25.7 |
| Indeno[1,2,3-cd]pyrene | 27.4 | | 0.746 | 0.373 | 27.4 |
| Dibenz[a,h]anthracene | 8.69 | | 0.746 | 0.373 | 28.7 |
| Benzo[g,h,i]perylene | 19.2 | | 0.746 | 0.373 | 27.2 |
| Coronene | 2.26 | | 0.746 | 0.373 | 25.4 |
| Retene | 224 | | 0.746 | 0.373 | 25.1 |
| Benzo(b/c)fluorenes | 129 | | 0.746 | 0.373 | 25.3 |
| 2-Methylpyrene | 49.1 | | 0.746 | 0.373 | 27.8 |
| 4-Methylpyrene | 60.9 | | 0.746 | 0.373 | 28.7 |
| 1-Methylpyrene | 42.6 | | 0.746 | 0.373 | 26.3 |
| Heptadecane | | U | 1.49 | 0.746 | NA |
| Pristane | 1,000 | | 0.746 | 0.373 | 19.8 |
| Octadecane | | U | 1.49 | 0.746 | NA |
| Phytane | 1,310 | | 0.746 | 0.373 | 19.2 |

# Analytical Results for Volatile and Semivolatile Organics
# META Environmental, Inc.

## Field ID: Duplicate of MW-3 Product

| | | | |
|---|---|---|---|
| Client: | Dvirka & Bartilucci | Preparation Method: | EPA 3580 |
| Project: | McKinney Site | Cleanup Method(s): | NA |
| | | Analysis Method: | EPA 8270M |
| Lab ID | DB080307-01DUP | | |
| File ID: | E031222.D | Matrix: | NAPL |
| | | Preservation: | None |
| Date Sampled: | 3/7/2008 | Decanted: | None |
| Date Received: | 3/7/2008 | | |
| Date Prepared: | 3/10/2008 | Sample Size (g): | 0.0134 |
| Date Cleanup: | NA | Percent Solid: | NA |
| Date Analyzed: | 3/13/2008 | Extract Volume (µl): | 2000 |
| Instrument: | El Camino | Prep DF: | 1.00 |
| Operator: | JAR | Analysis DF: | 1.00 |
| | | Injection Volume (µl): | 1.00 |
| Batch QC: | QC080310-MB | | |

| Analyte | Concentration (mg/kg) | RL | EDL | Comments |
|---|---|---|---|---|
| 2,6,10-trimethyldodecane | 42.6 | 0.746 | 0.373 | 19 |
| 2,6,10-trimethyltridecane | 91.6 | 0.746 | 0.373 | 18.1 |
| Norpristane | 282 | 0.746 | 0.373 | 22 |
| Total PAH (16) | 6,150 | 0.746 | 0.373 | 23.8 |
| Total PAH (42) | 16,600 | 0.746 | 0.373 | 25.9 |

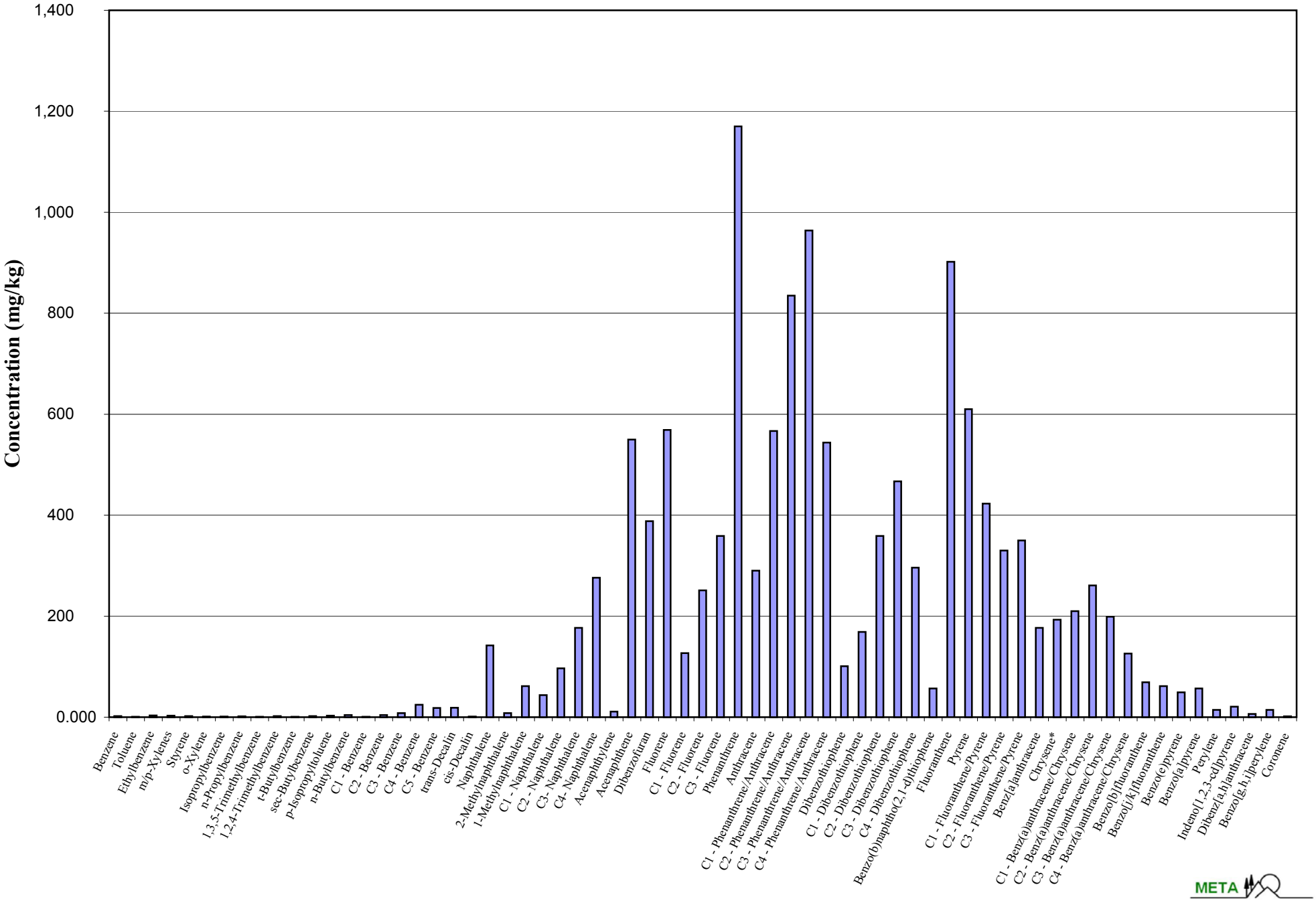
| *Extraction Surrogate Recoveries (%)* | | Limits |
|---|---|---|
| Toluene-d8 | 73 | 50 - 120 |
| Phenanthrene-d10 | 110 | 50 - 120 |
| Perylene-d12 | 94 | 50 - 120 |

NA - Not applicable.
B - Analyte detected in the Blank.
J - Estimated value; detected between the RL and DL.
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL.
* - Triphenylene is known to coelute with this compound.

# Appendix D
# Extended MAH/PAH Profiles – Histograms

# MW-3 Product

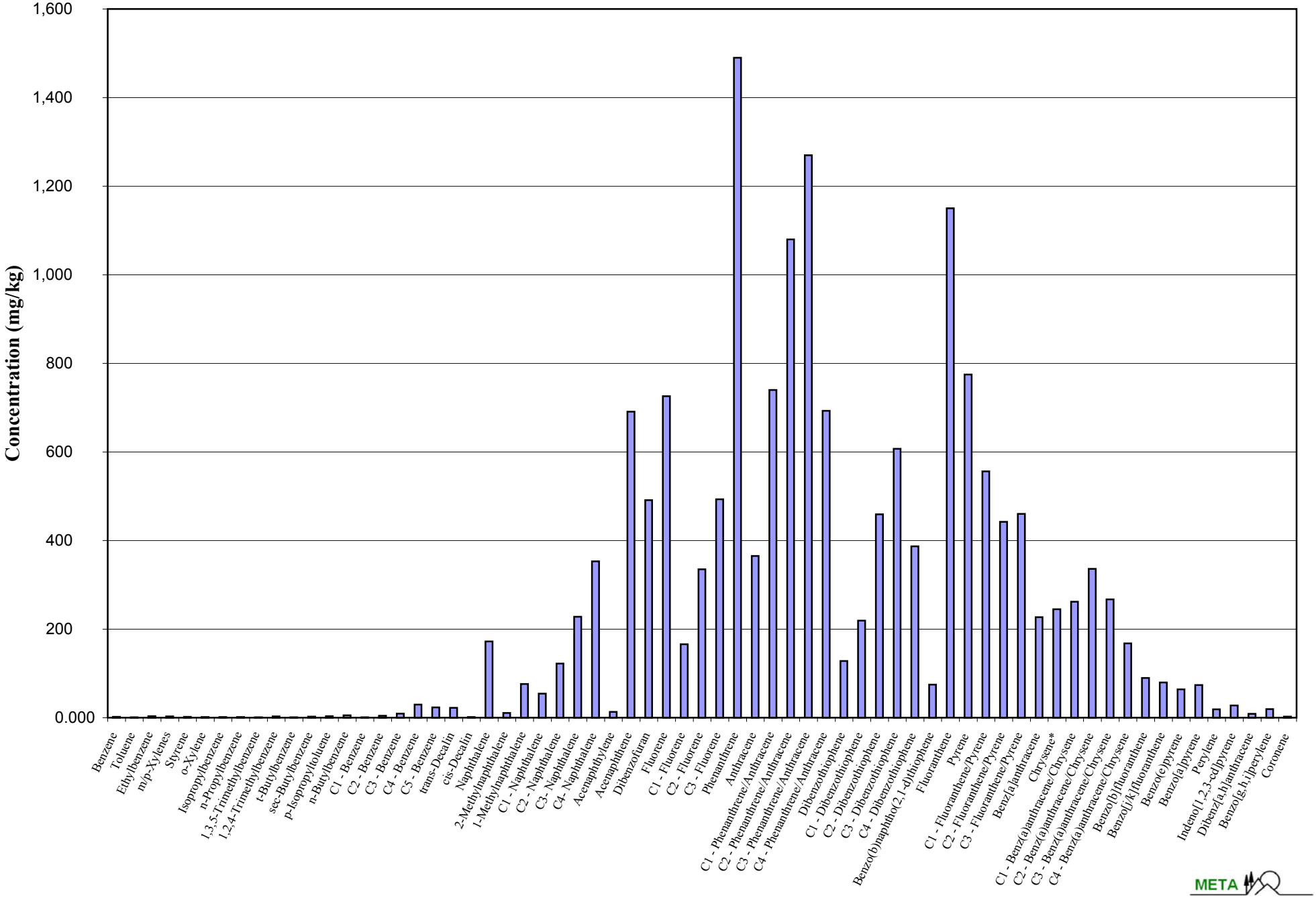
DB080307-01




META

# Duplicate of MW-3 Product

DB080307-01DUP



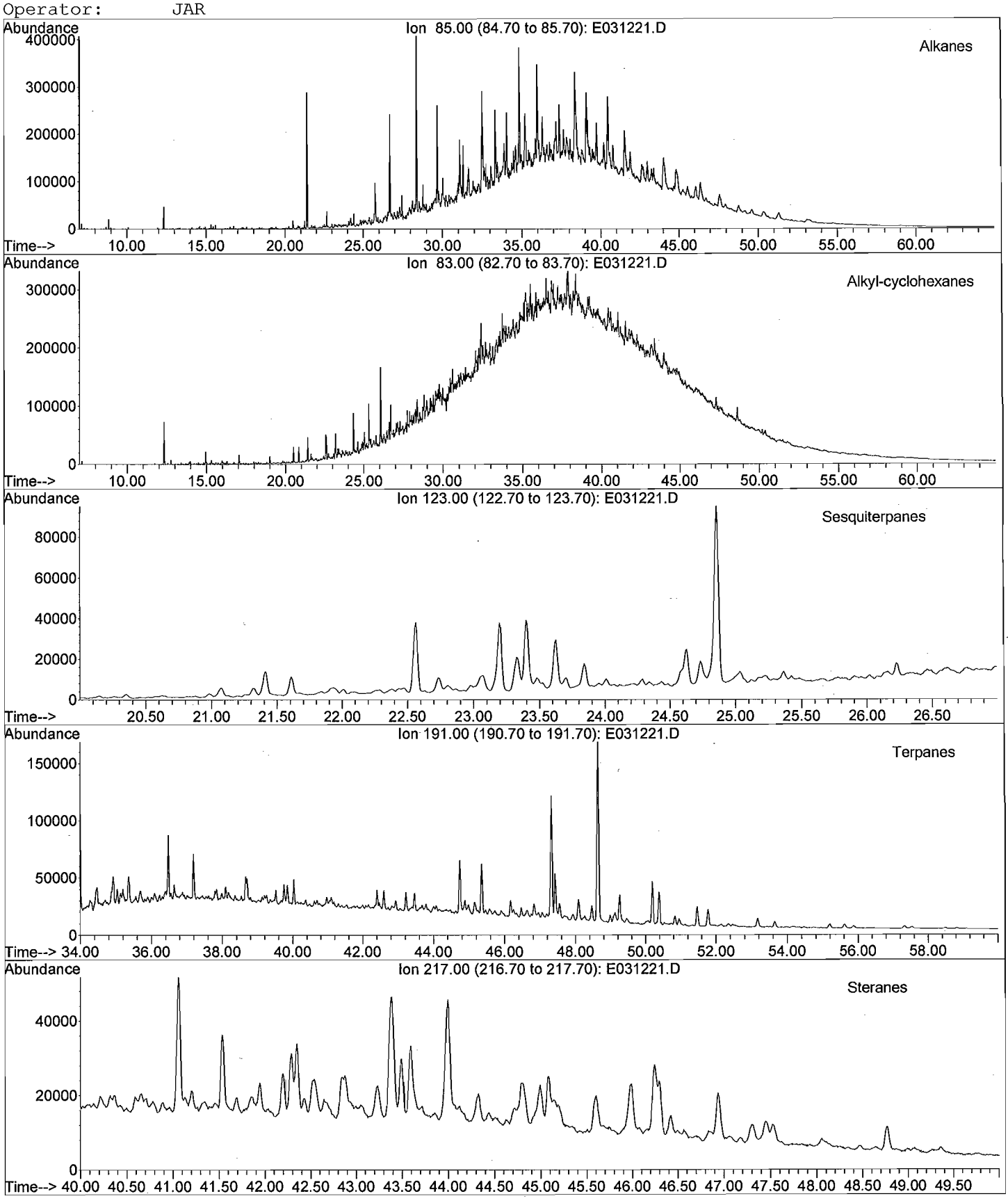

META

# Appendix E

# Extracted Ion Current Profiles (EICPs)

GC/MS EXTRACTED ION CHROMATOGRAM

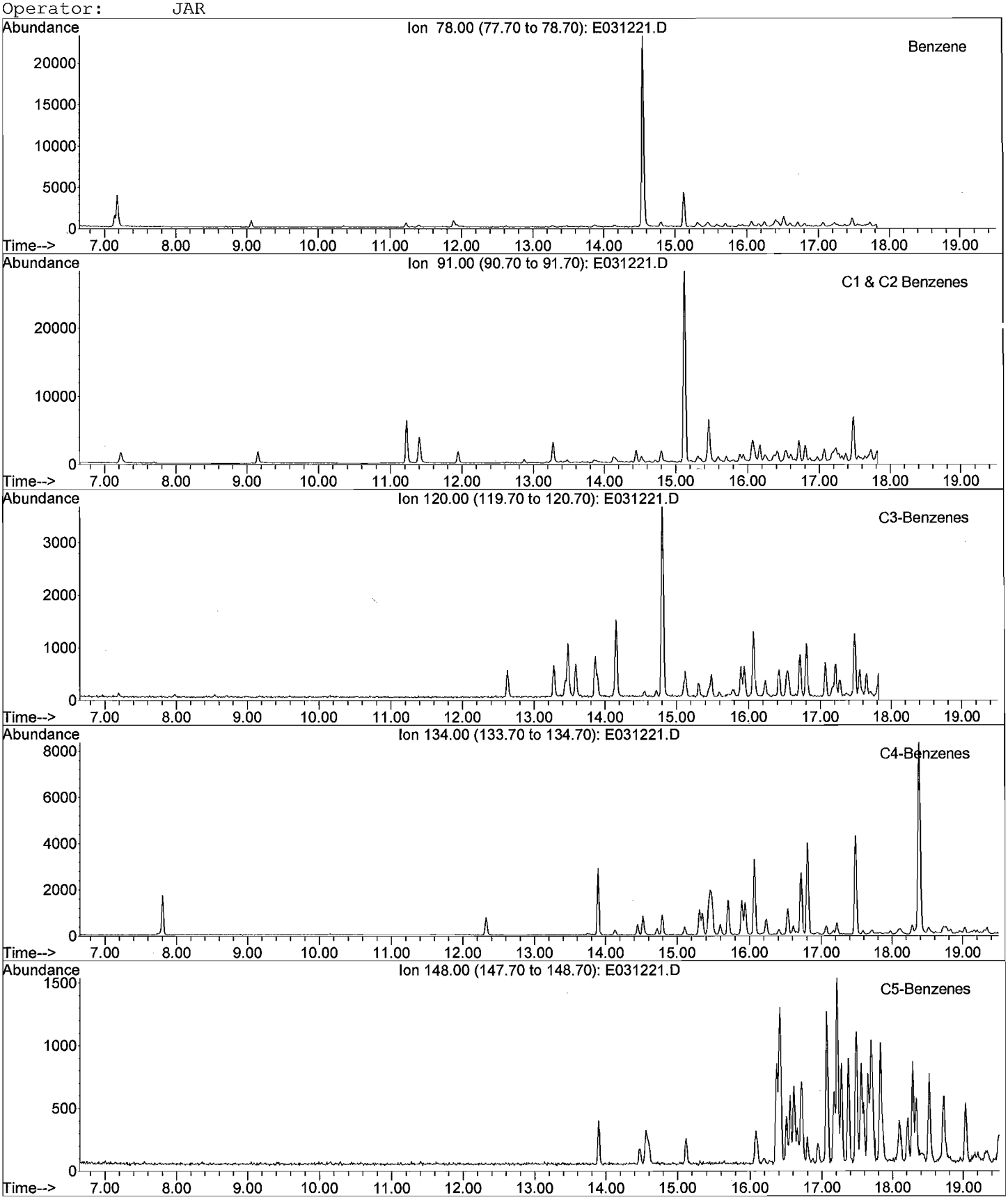
File: J:\1\DATA\E080312\E031221.D
Date Acquired: 13 Mar 2008 2:16 pm
Method File: 4008SIMA.M
Sample Name: DB080307-01
Misc Info: MW-3 Product
Operator: JAR



META Environmental, Inc.

GC/MS EXTRACTED ION CHROMATOGRAM

File: J:\1\DATA\E080312\E031221.D
Date Acquired: 13 Mar 2008 2:16 pm
Method File: 4008SIMA.M
Sample Name: DB080307-01
Misc Info: MW-3 Product
Operator: JAR



GC/MS EXTRACTED ION CHROMATOGRAM

File: J:\1\DATA\E080312\E031221.D
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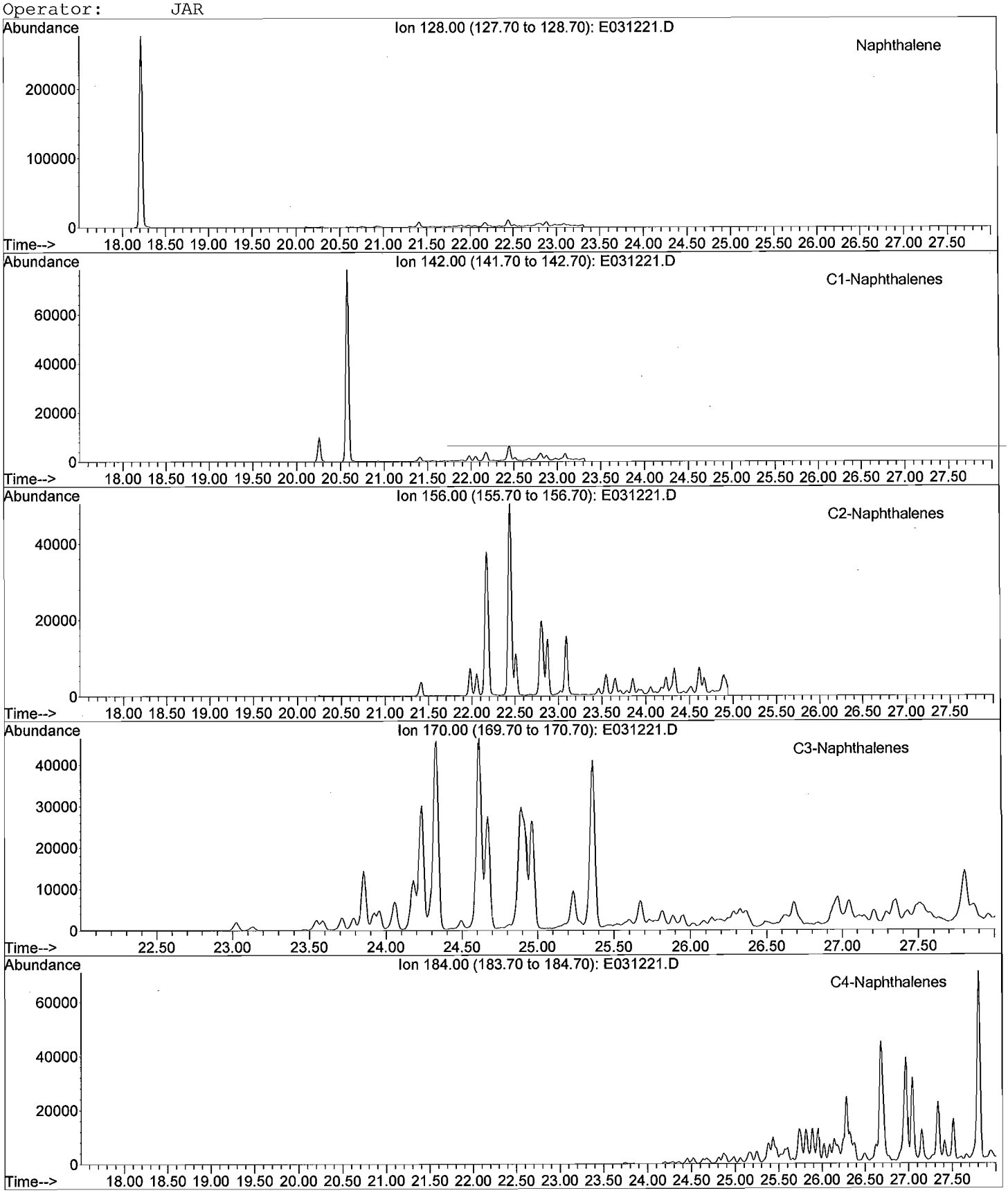
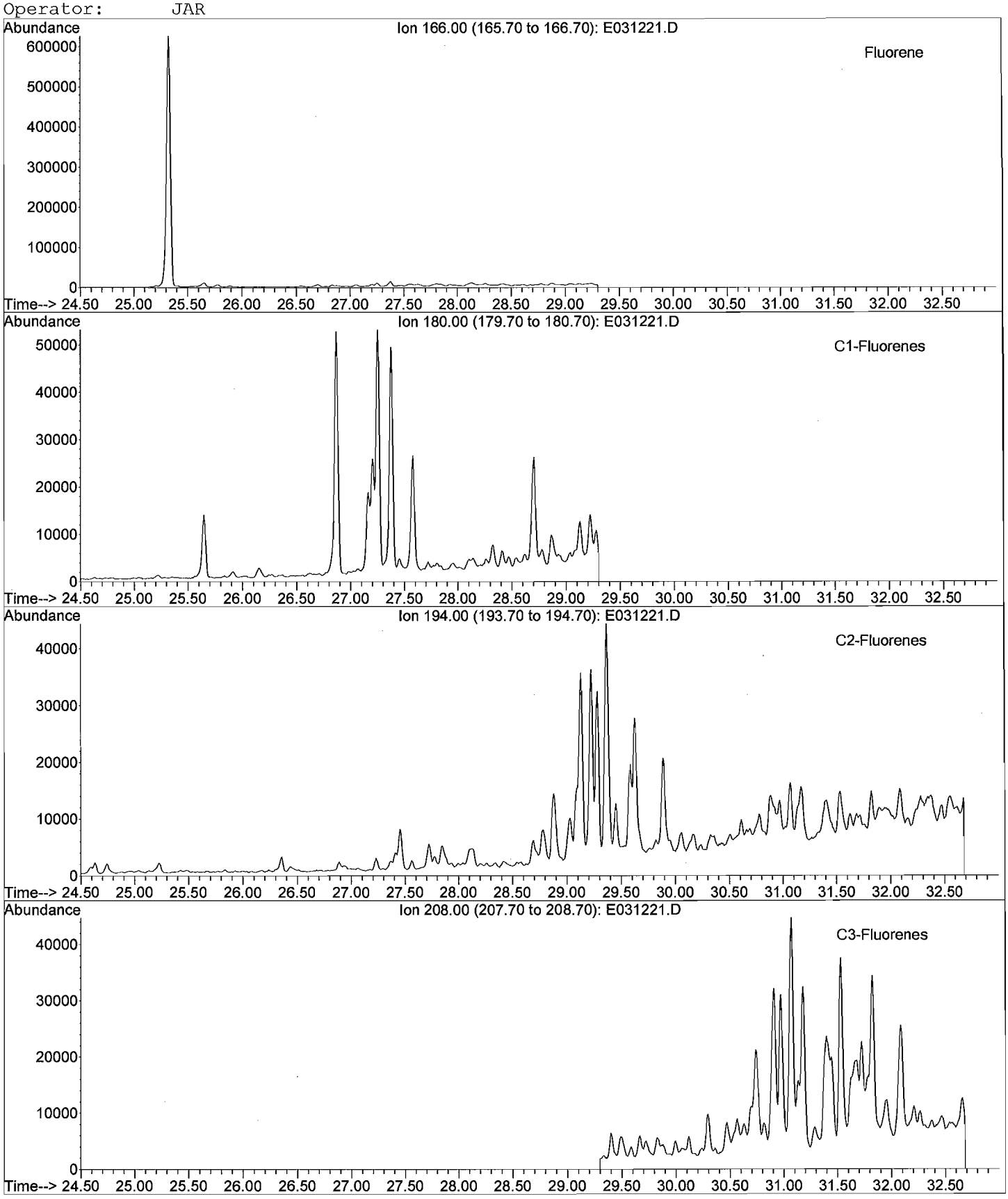
Method File: 4008SIMA.M
Sample Name: DB080307-01
Misc Info: MW-3 Product
Operator: JAR



META Environmental, Inc.

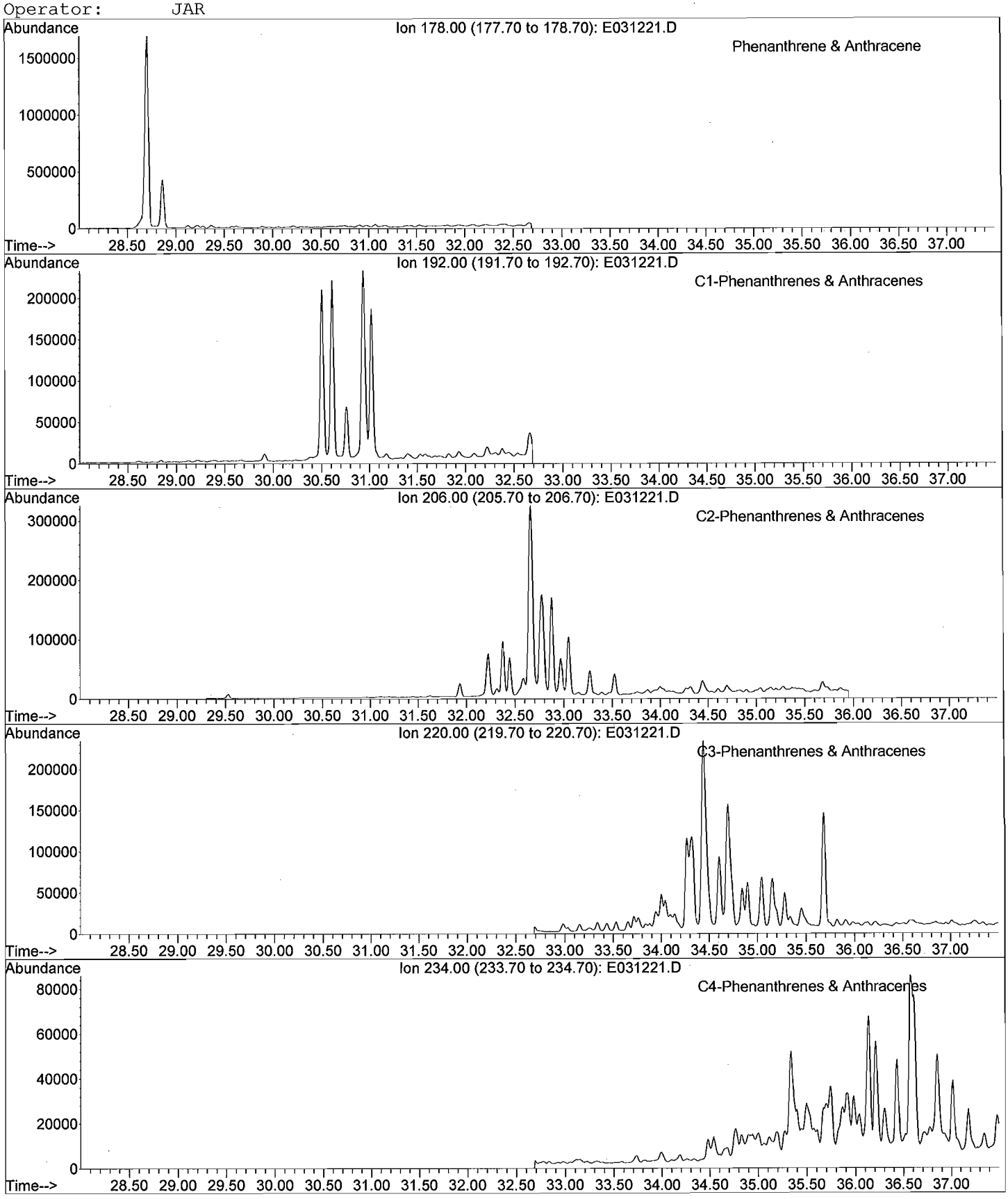
GC/MS EXTRACTED ION CHROMATOGRAM

File: J:\1\DATA\E080312\E031221.D
Date Acquired: 13 Mar 2008 2:16 pm
Method File: 4008SIMA.M
Sample Name: DB080307-01
Misc Info: MW-3 Product
Operator: JAR



GC/MS EXTRACTED ION CHROMATOGRAM

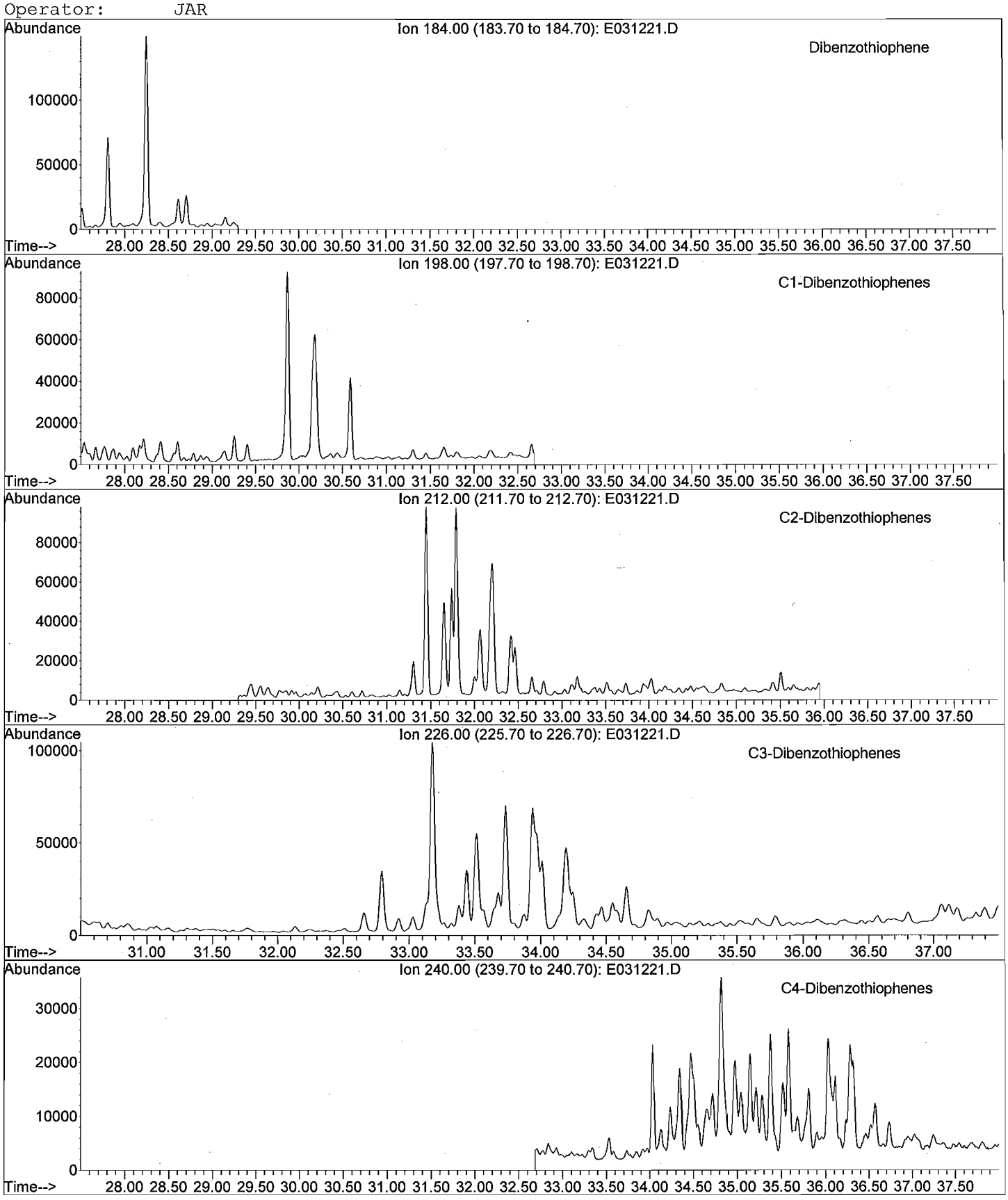
File: J:\1\DATA\E080312\E031221.D
Date Acquired: 13 Mar 2008 2:16 pm
Method File: 4008SIMA.M
Sample Name: DB080307-01
Misc Info: MW-3 Product
Operator: JAR



META Environmental, Inc.

GC/MS EXTRACTED ION CHROMATOGRAM

File: J:\1\DATA\E080312\E031221.D
Date Acquired: 13 Mar 2008 2:16 pm
Method File: 4008SIMA.M
Sample Name: DB080307-01
Misc Info: MW-3 Product
Operator: JAR



META Environmental, Inc.

GC/MS EXTRACTED ION CHROMATOGRAM

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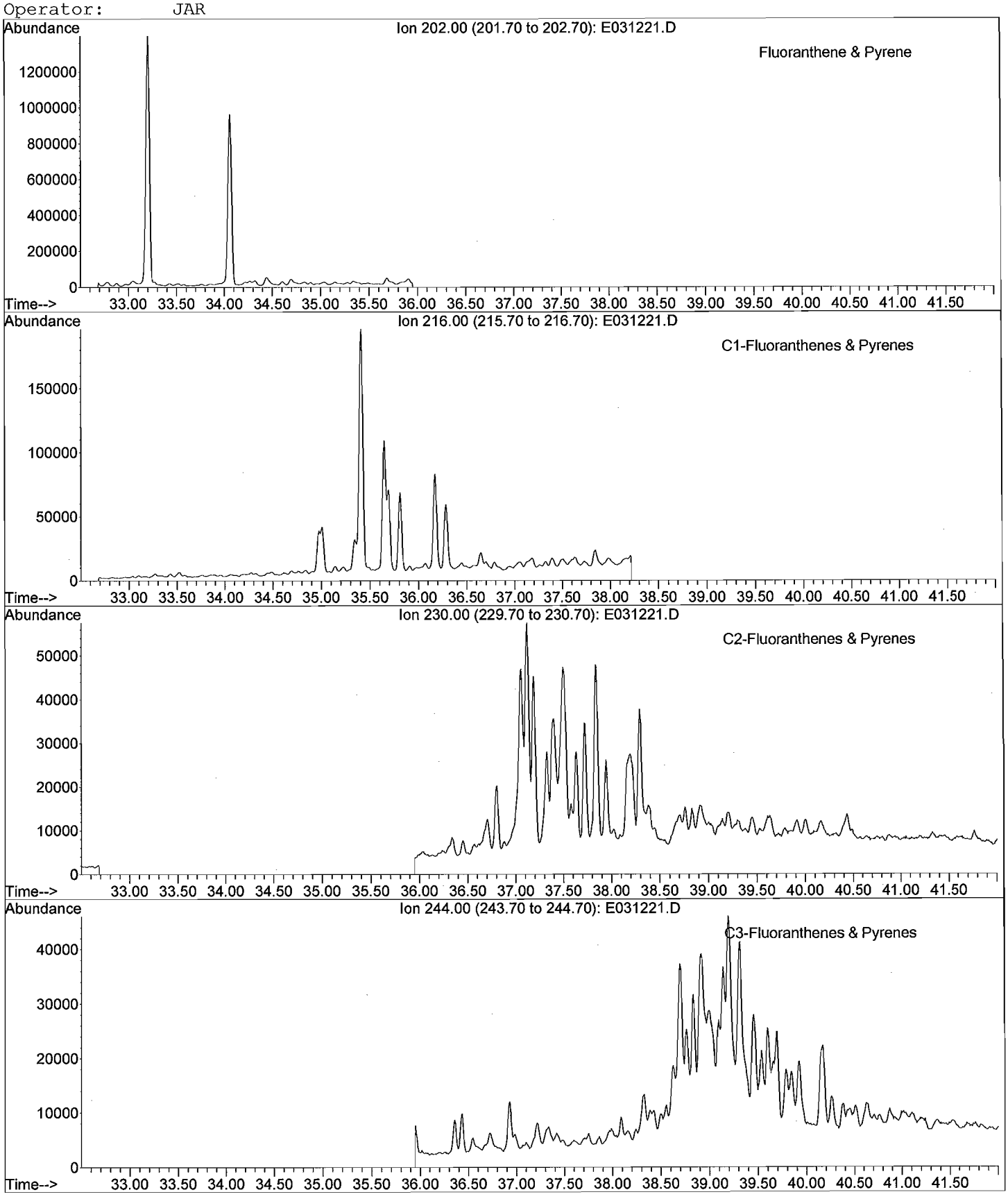
Sample Name: DB080307-01
Misc Info: MW-3 Product
Operator: JAR



GC/MS EXTRACTED ION CHROMATOGRAM

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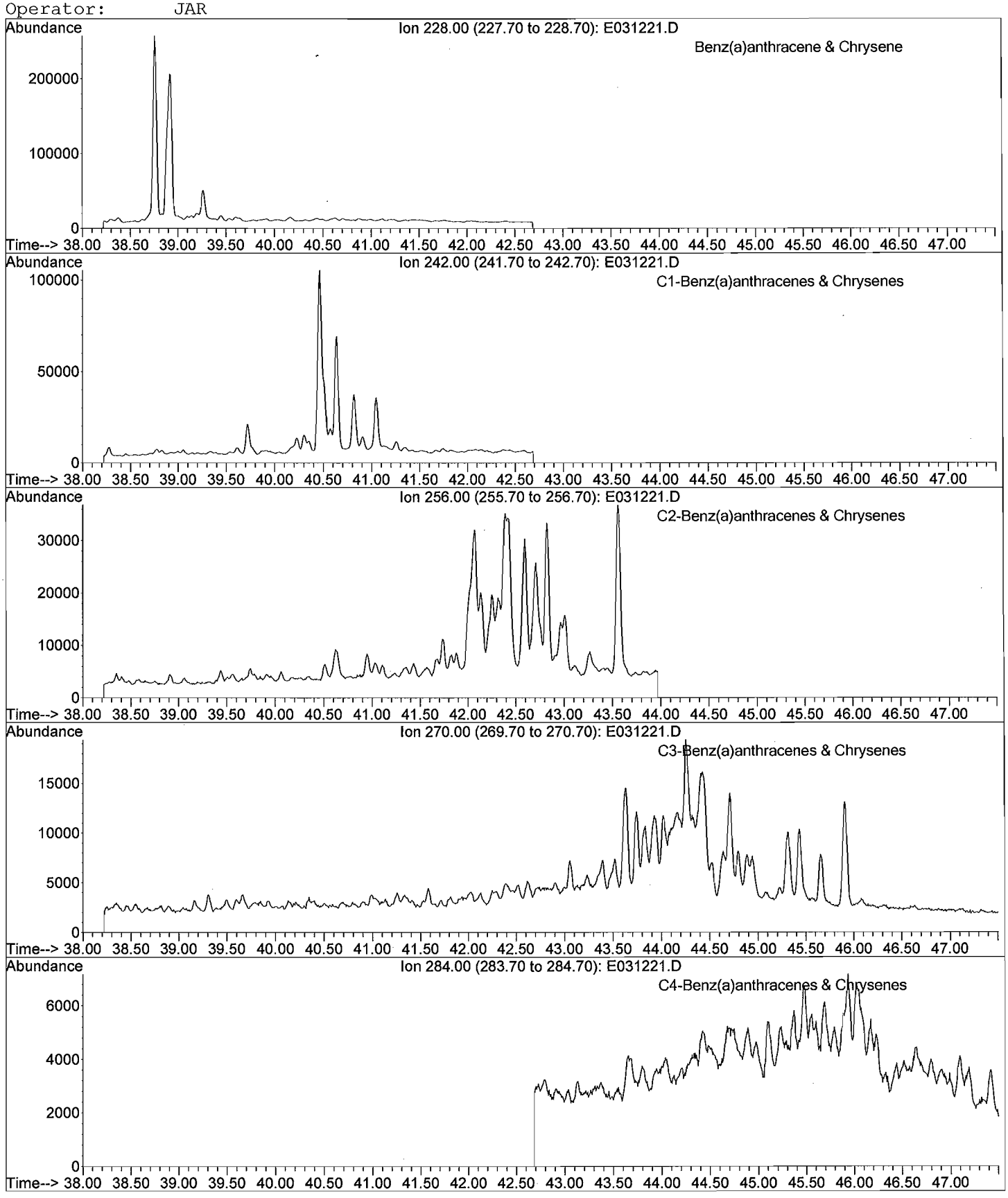
Sample Name: DB080307-01
Misc Info: MW-3 Product
Operator: JAR



META Environmental, Inc.

GC/MS TOTAL ION CHROMATOGRAM

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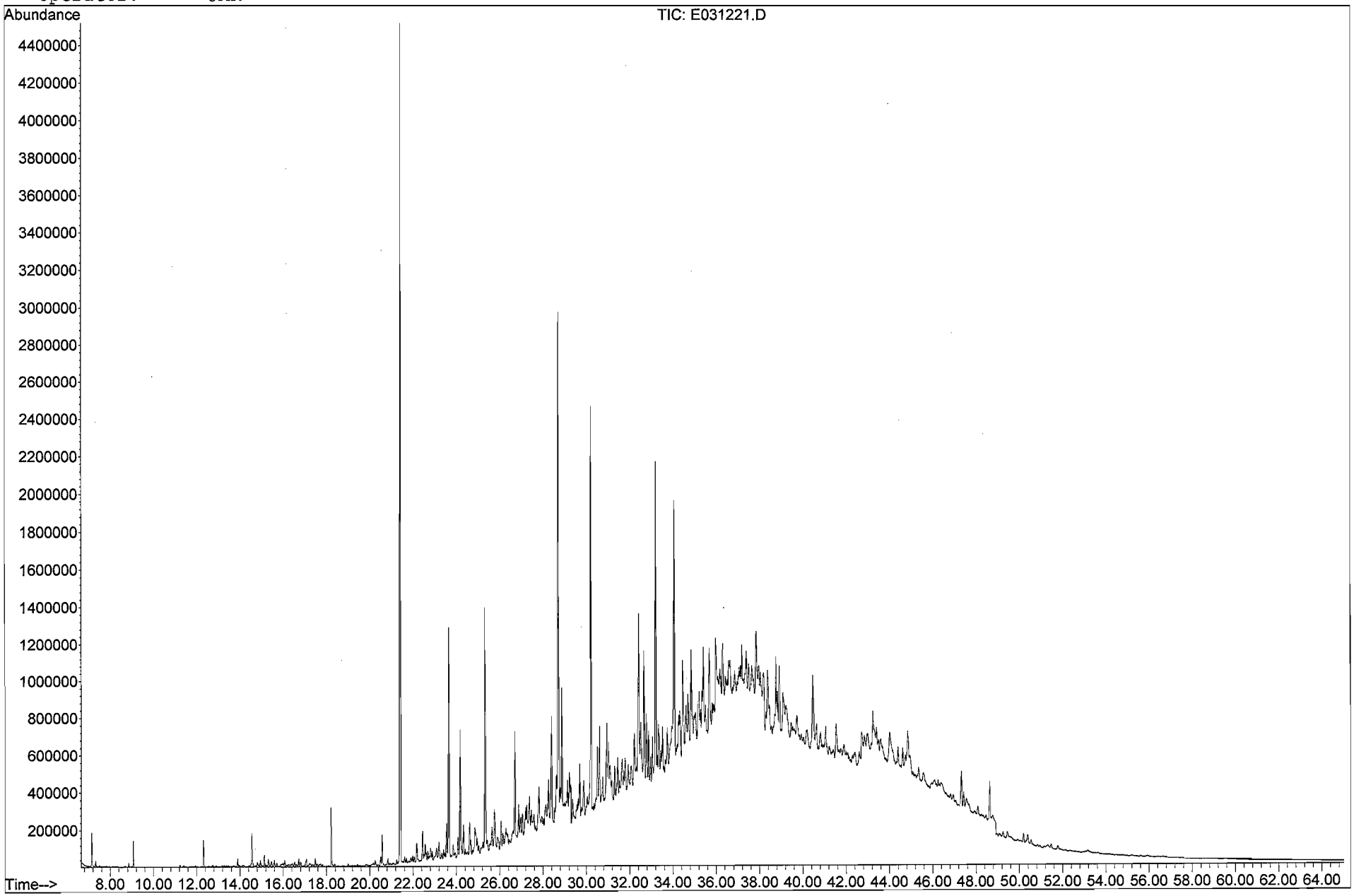
Sample Name: DB080307-01
Misc Info: MW-3 Product
Operator: JAR



GC/MS EXTRACTED ION CHROMATOGRAM

File: J:\1\DATA\E080312\E031222.D
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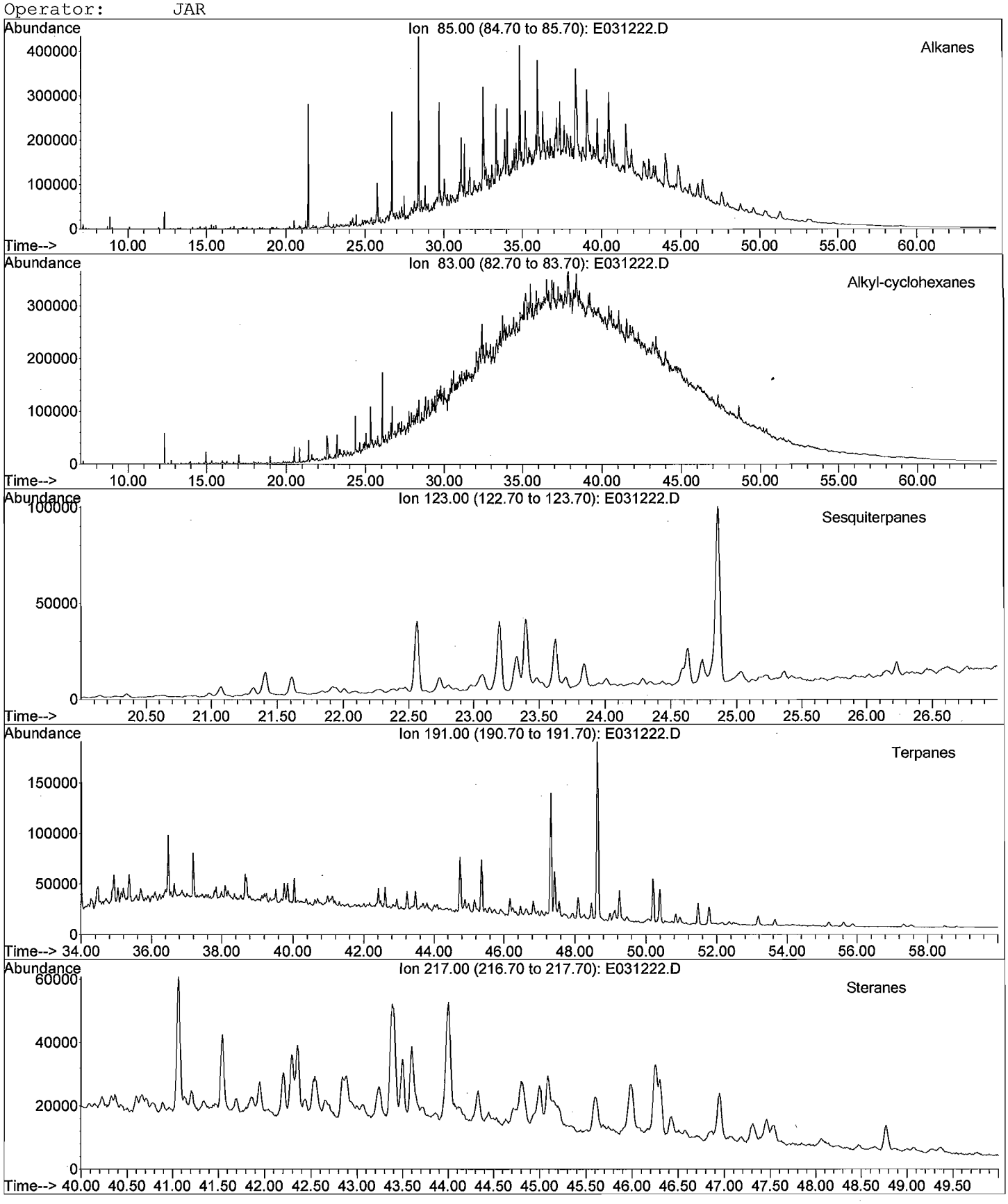
Method File: 4008SIMA.M
Sample Name: DB080307-01DUP
Misc Info: Duplicate of MW-3 Product
Operator: JAR



META Environmental, Inc.

GC/MS EXTRACTED ION CHROMATOGRAM

File: J:\1\DATA\E080312\E031222.D
Date Acquired: 13 Mar 2008 3:31 pm
Method File: 4008SIMA.M
Sample Name: DB080307-01DUP
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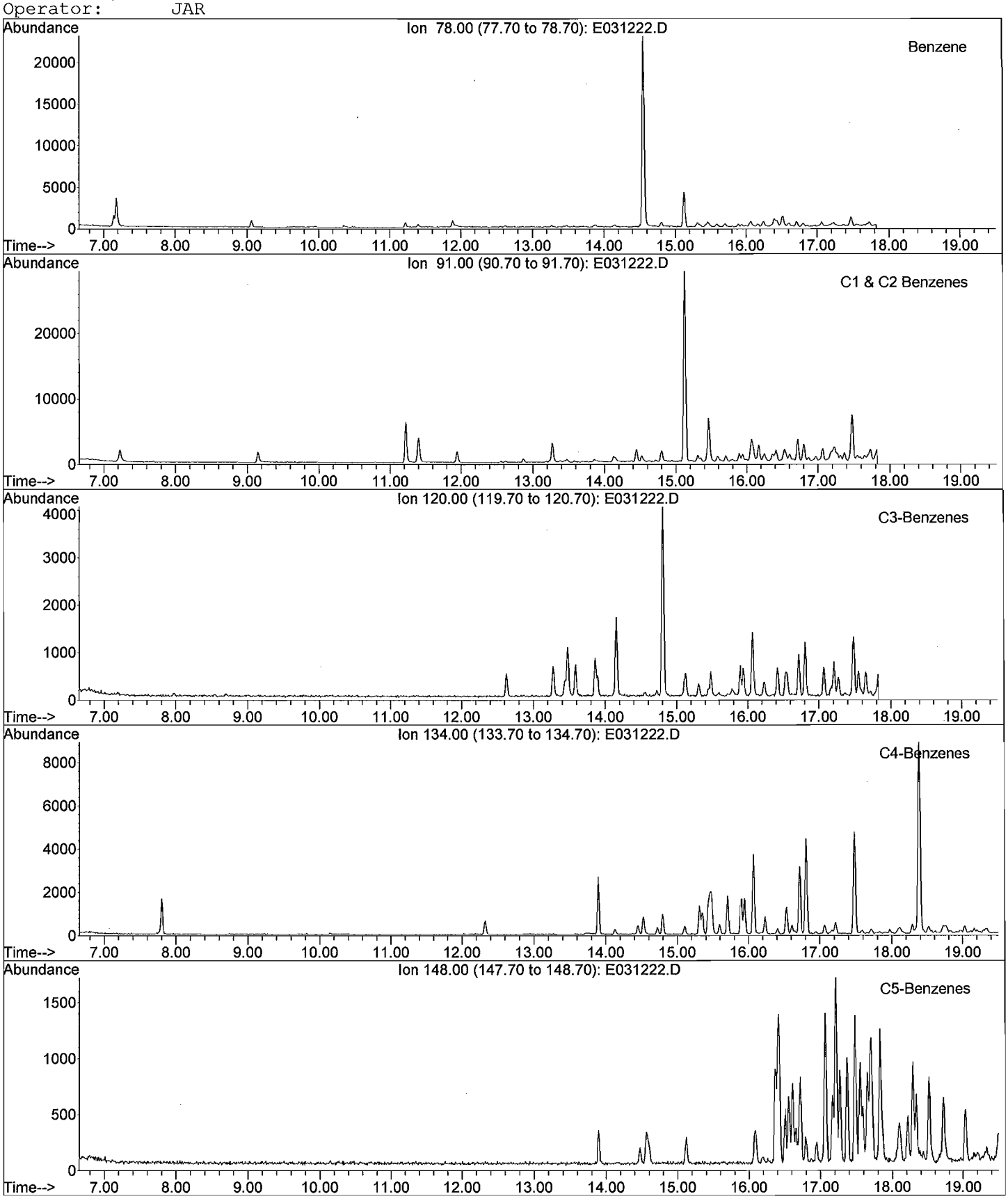
Operator: JAR



META Environmental, Inc.

GC/MS EXTRACTED ION CHROMATOGRAM

File: J:\1\DATA\E080312\E031222.D
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Sample Name: DB080307-01DUP
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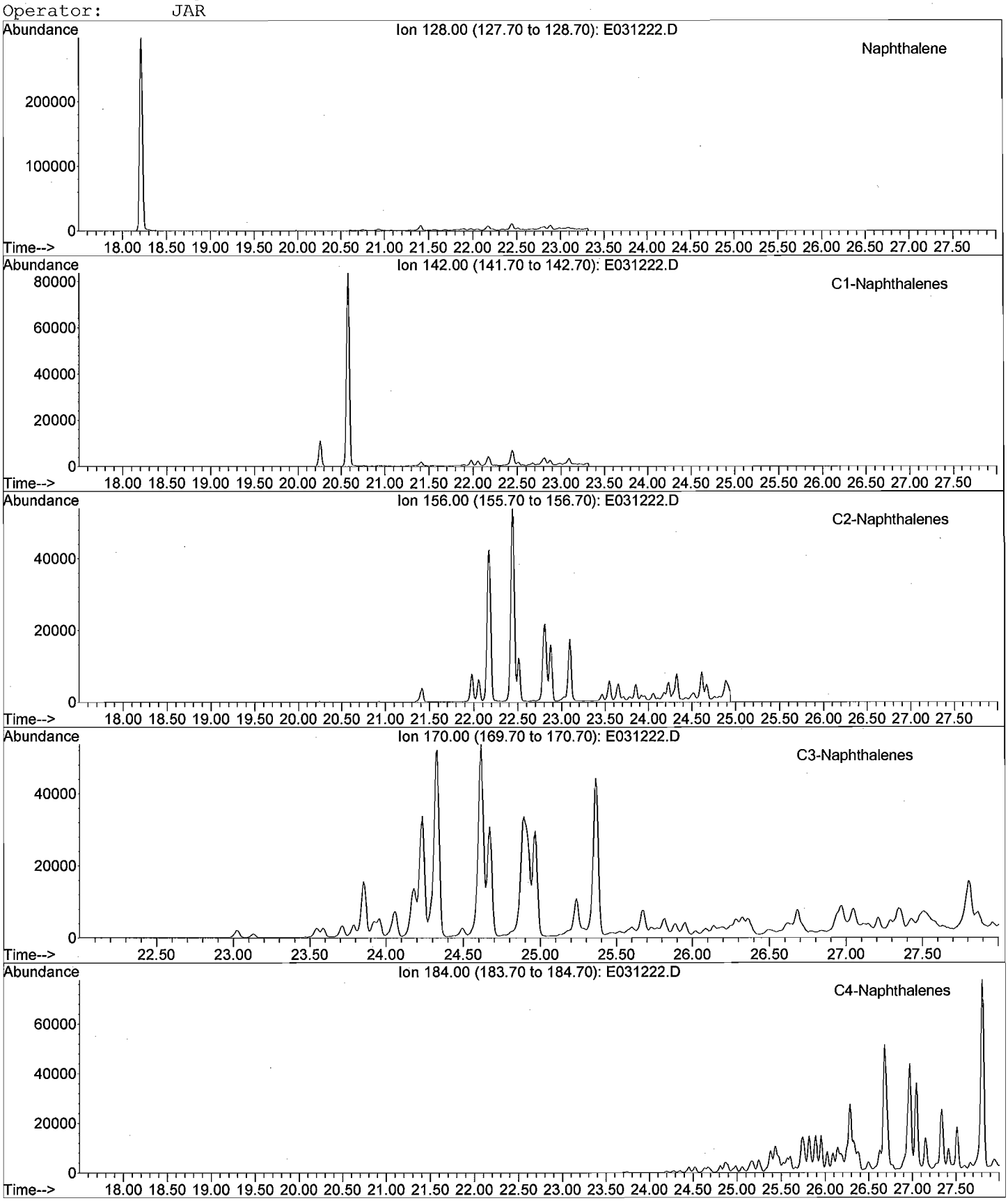
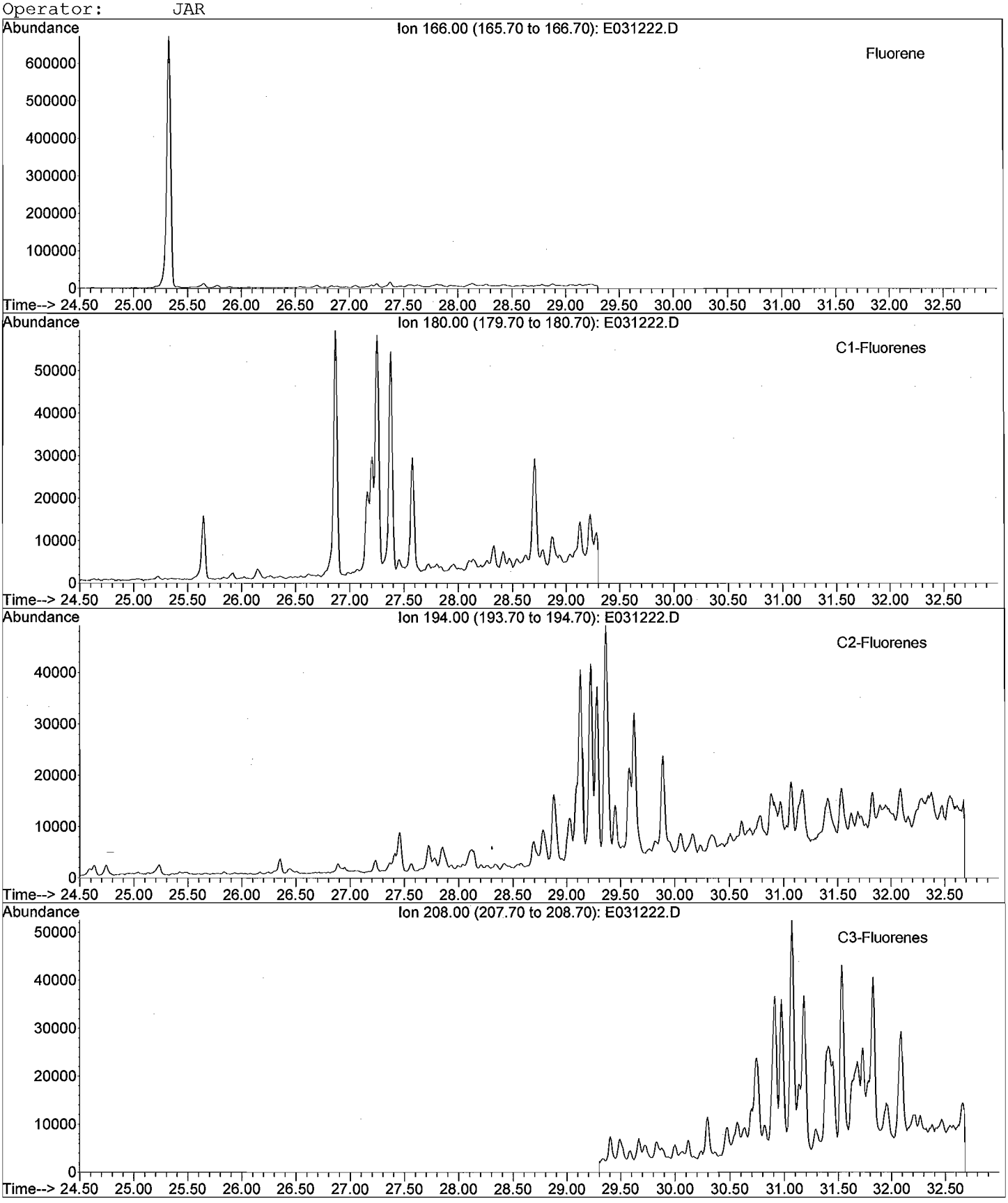
Operator: JAR



GC/MS EXTRACTED ION CHROMATOGRAM

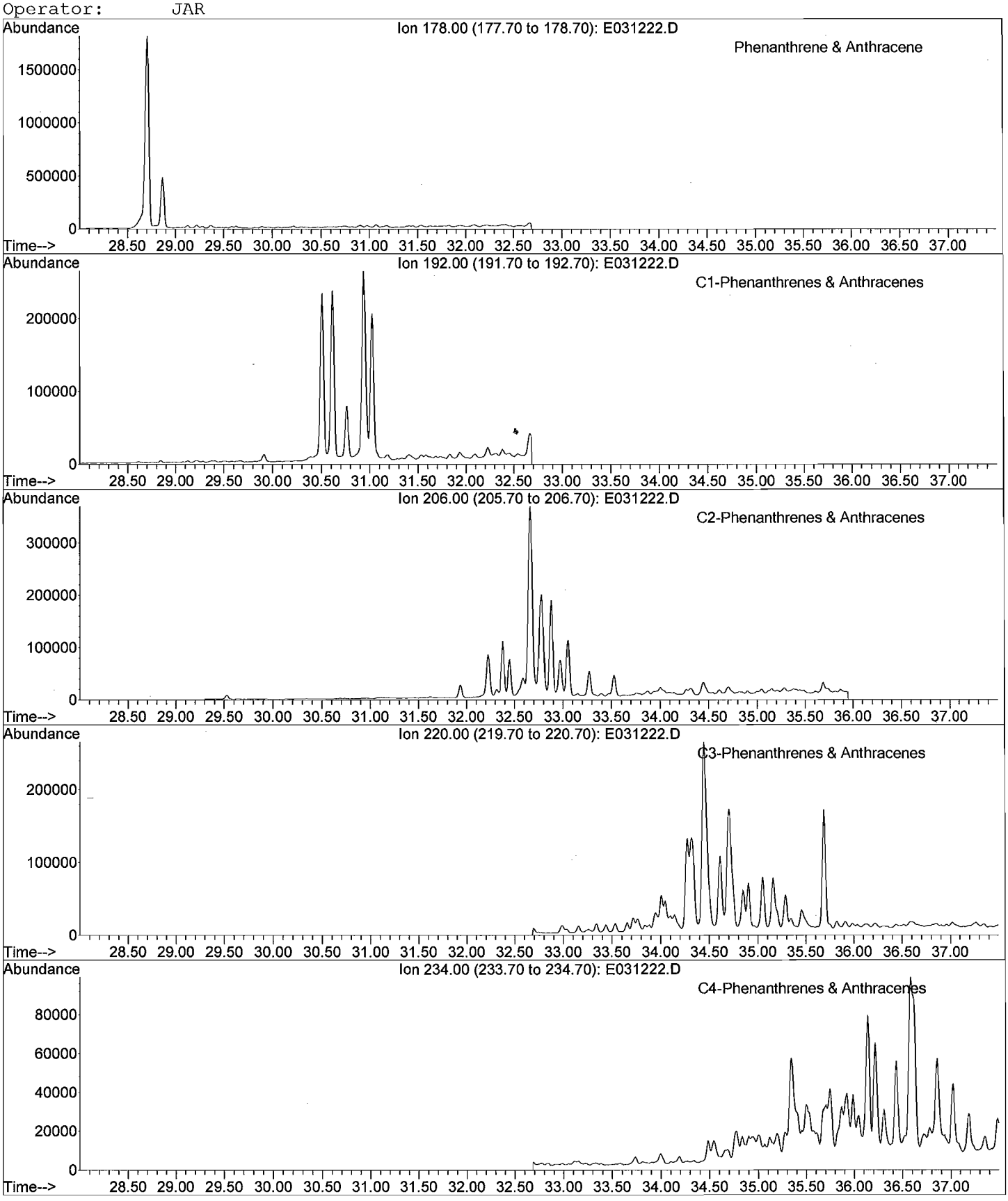
File: J:\1\DATA\E080312\E031222.D
Date Acquired: 13 Mar 2008 3:31 pm
Method File: 4008SIMA.M
Sample Name: DB080307-01DUP
Misc Info: Duplicate of MW-3 Product
Operator: JAR



META Environmental, Inc.

GC/MS EXTRACTED ION CHROMATOGRAM

File: J:\1\DATA\E080312\E031222.D
Date Acquired: 13 Mar 2008 3:31 pm
Method File: 4008SIMA.M
Sample Name: DB080307-01DUP
Misc Info: Duplicate of MW-3 Product
Operator: JAR



GC/MS EXTRACTED ION CHROMATOGRAM

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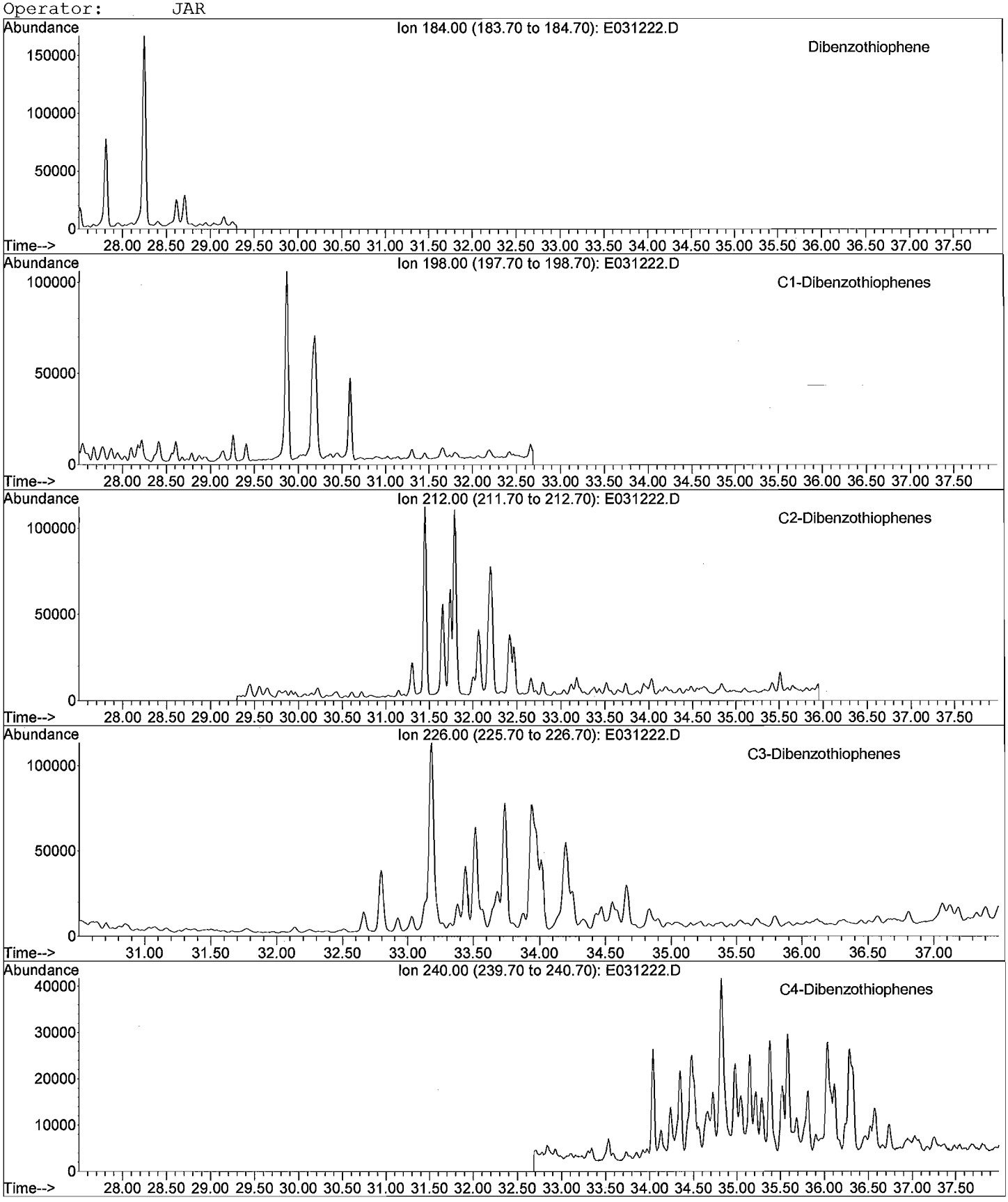
Sample Name: DB080307-01DUP
Misc Info: Duplicate of MW-3 Product
Operator: JAR



GC/MS EXTRACTED ION CHROMATOGRAM

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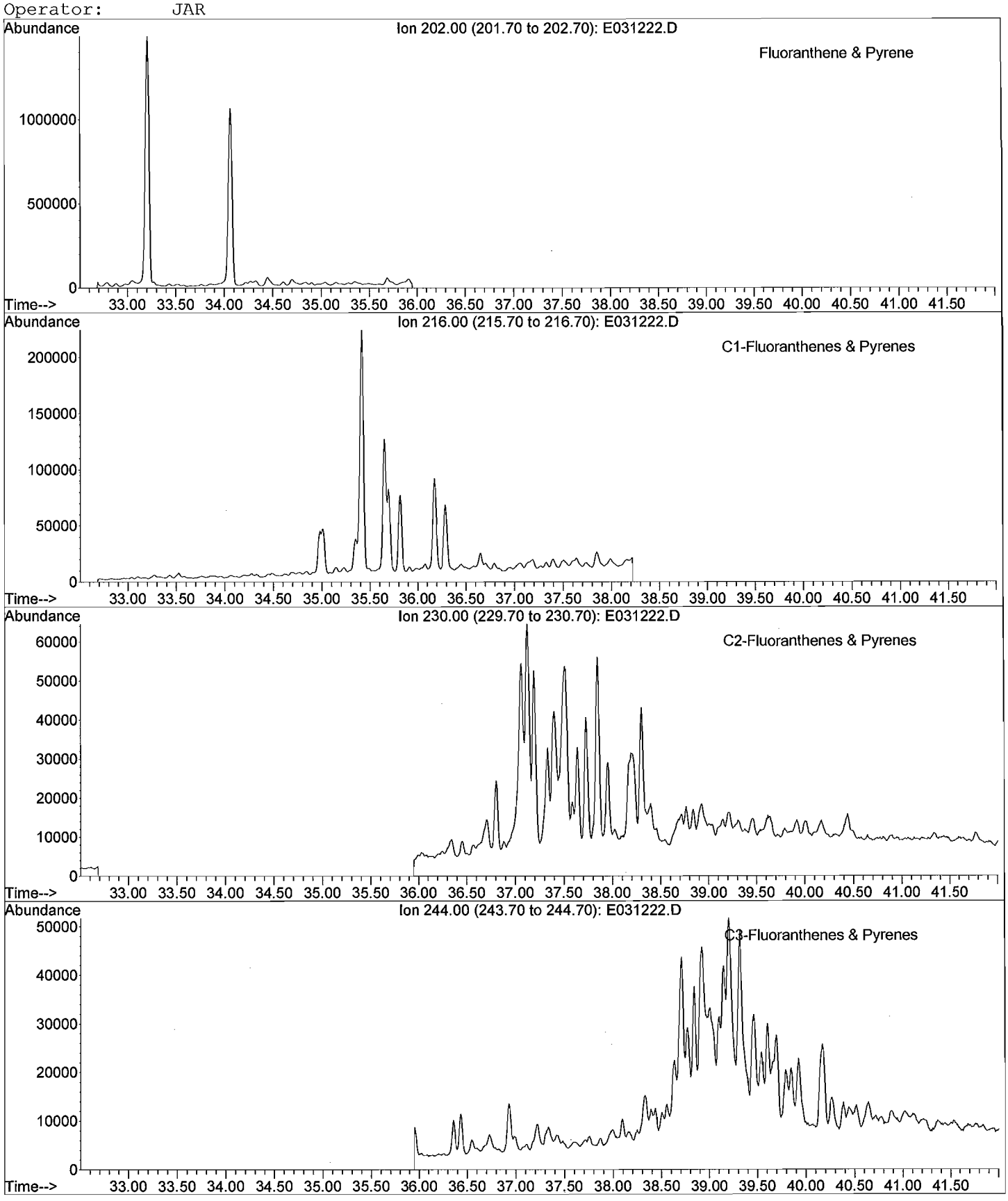
Method File: 4008SIMA.M
Sample Name: DB080307-01DUP
Misc Info: Duplicate of MW-3 Product
Operator: JAR



META Environmental, Inc.

GC/MS EXTRACTED ION CHROMATOGRAM

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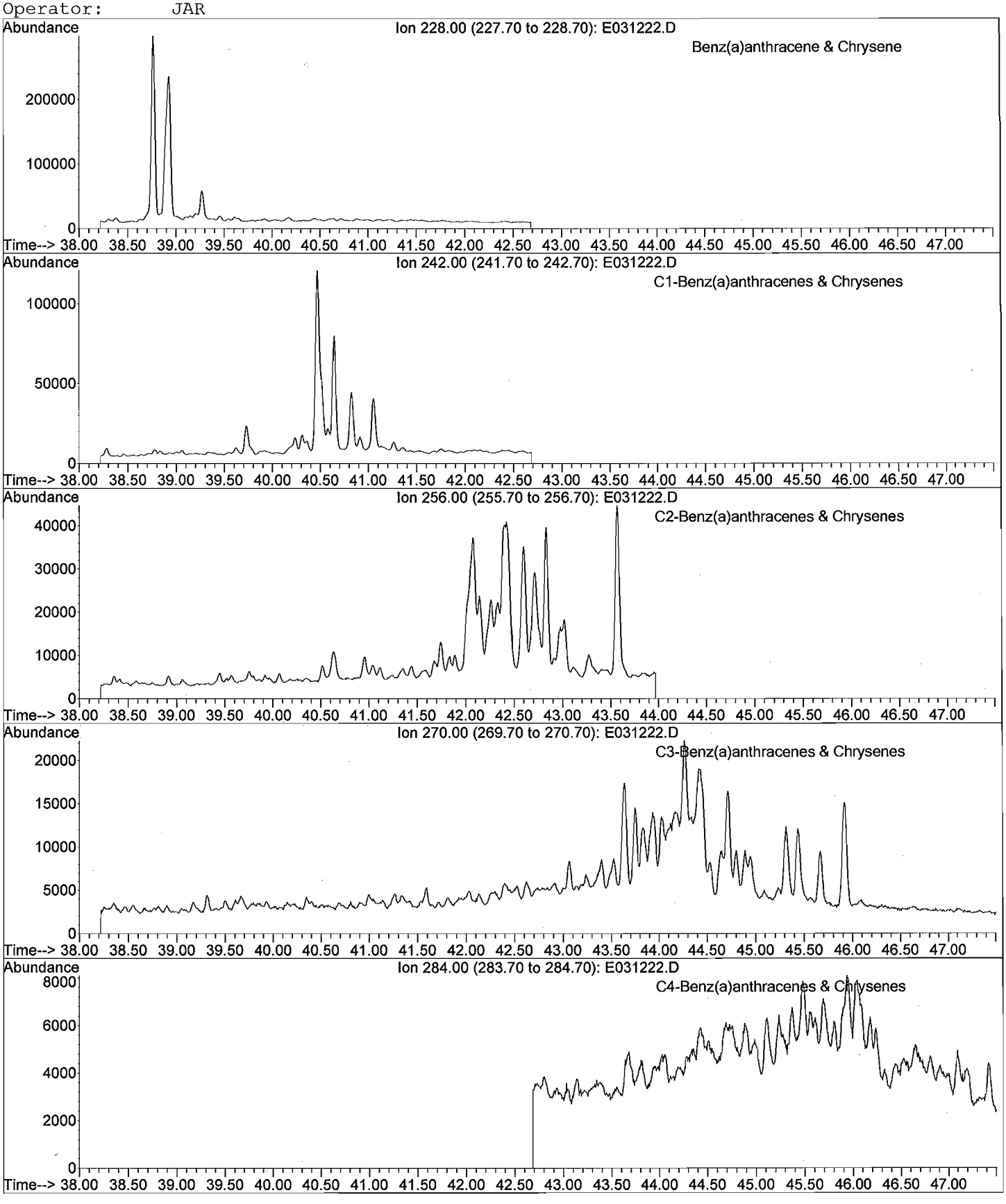
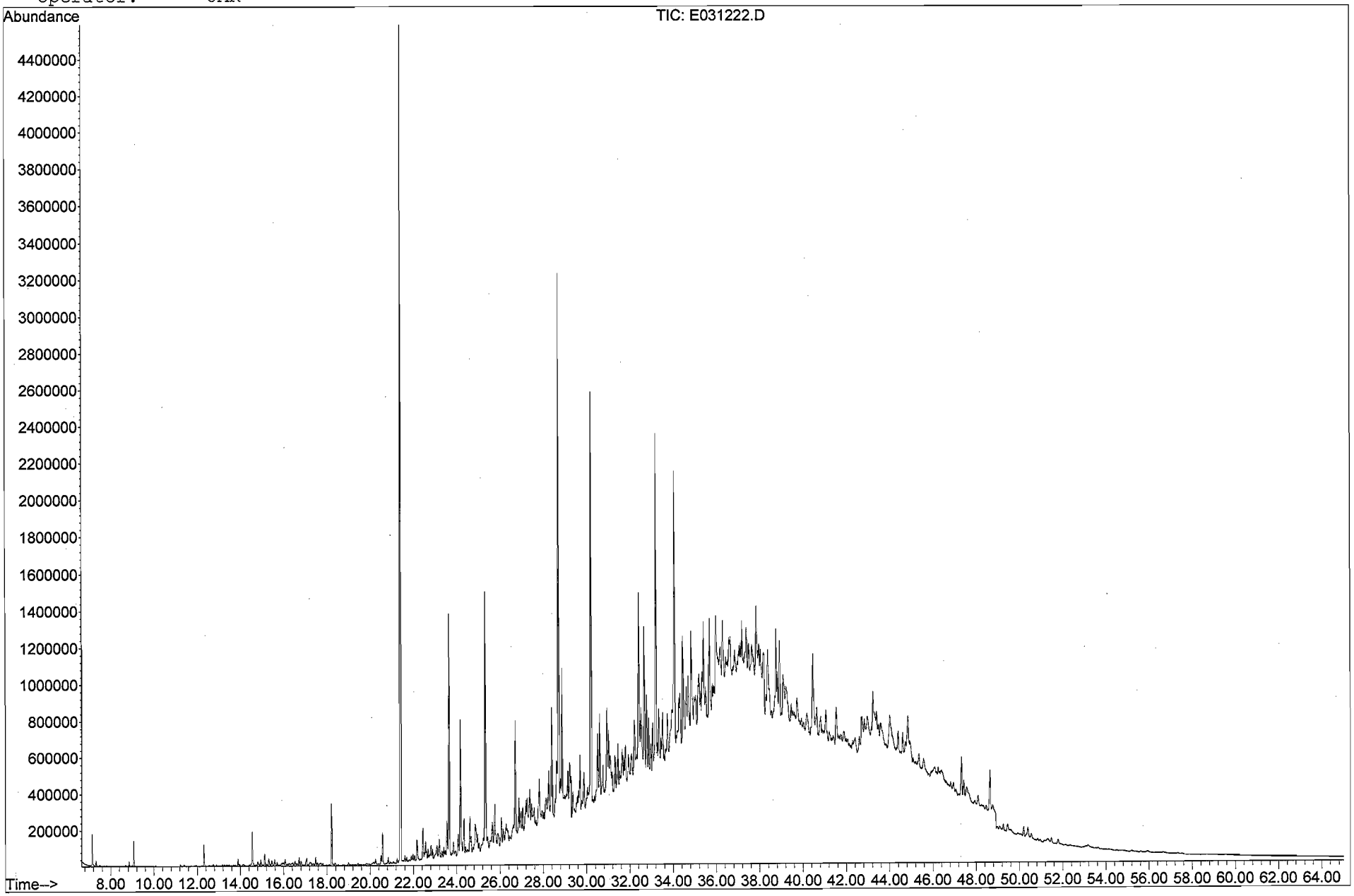
Date Acquired: 13 Mar 2008 3:31 pm
Method File: 4008SIMA.M
Sample Name: DB080307-01DUP
Misc Info: Duplicate of MW-3 Product
Operator: JAR



META Environmental, Inc.

GC/MS TOTAL ION CHROMATOGRAM

File: J:\1\DATA\E080312\E031222.D
Date Acquired: 13 Mar 2008 3:31 pm
Method File: 4008SIMA.M
Sample Name: DB080307-01DUP
Misc Info: Duplicate of MW-3 Product
Operator: JAR



# Appendix F

# PCB Concentrations

# Analytical Results for Semivolatile Organics
# META Environmental, Inc.

## Field ID: MW-3 Product

| | | | |
|---|---|---|---|
| Client: | Dvirka and Bartillucci | Preparation Method: | EPA 3580 |
| Project: | McKinney Site | Cleanup Method(s): | NA |
| | | Analysis Method: | EPA 8082 |
| Lab ID | DB080307-01 | | |
| File ID: | A031408.D | Matrix: | NAPL |
| | | Preservation: | None |
| Date Sampled: | 3/6/2008 | Decanted: | None |
| Date Received: | 3/7/2008 | | |
| Date Prepared: | 3/11/2008 | Sample Size (g): | 0.0162 |
| Date Cleanup: | NA | Percent Solid: | 100% |
| Date Analyzed: | 3/14/2008 | Extract Volume (µl): | 2000 |
| Instrument: | AMX | Prep DF: | 1.00 |
| Operator: | EL | Analysis DF: | 1.00 |
| | | Injection Volume (µl): | 2.00 |
| Batch QC: | QC080311-MB | | |

| Analyte | Concentration (mg/kg) | RL | EDL | Comments |
|---|---|---|---|---|
| PCB AROCLORS | | | | |
| Aroclor 1016 | U | 1.23 | 0.615 | |
| Aroclor 1221 | U | 1.23 | 0.615 | |
| Aroclor 1232 | U | 1.23 | 0.615 | |
| Aroclor 1242 | U | 1.23 | 0.615 | |
| Aroclor 1248 | U | 1.23 | 0.615 | |
| Aroclor 1254 | U | 1.23 | 0.615 | |
| Aroclor 1260 | U | 1.23 | 0.615 | |
| Aroclor 1262 | U | 1.23 | 0.615 | |
| Aroclor 1268 | U | 1.23 | 0.615 | |
| PCT AROCLORS | | | | |
| Aroclor 5060 | U | 1.23 | 0.615 | |
| Aroclor 5442 | U | 1.23 | 0.615 | |
| Aroclor 5460 | U | 1.23 | 0.615 | |

| *Extraction Surrogate Recoveries (%)* | | Limits |
|---|---|---|
| Tetrachloro-m-xylene | 87 | 50 - 120 |
| Decachlorobiphenyl | 155 | 50 - 120 |

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

# Analytical Results for Semivolatile Organics
# META Environmental, Inc.

## Field ID: Method Blank

| | | | |
|---|---|---|---|
| Client: | Dvirka and Bartillucci | Preparation Method: | EPA 3580 |
| Project: | McKinney Site | Cleanup Method(s): | NA |
| | | Analysis Method: | EPA 8082 |
| Lab ID | QC080311-MB | | |
| File ID: | A031406.D | Matrix: | NAPL |
| | | Preservation: | None |
| Date Sampled: | NA | Decanted: | None |
| Date Received: | NA | | |
| Date Prepared: | 3/11/2008 | Sample Size (g): | 0.01 |
| Date Cleanup: | NA | Percent Solid: | 100% |
| Date Analyzed: | 3/14/2008 | Extract Volume (µl): | 2000 |
| Instrument: | AMX | Prep DF: | 1.00 |
| Operator: | EL | Analysis DF: | 1.00 |
| | | Injection Volume (µl): | 2.00 |
| Batch QC: | QC080311-MB | | |

| Analyte | Concentration (mg/kg) | RL | EDL | Comments |
|---|---|---|---|---|
| PCB AROCLORS | | | | |
| Aroclor 1016 | U | 2.0 | 1.0 | |
| Aroclor 1221 | U | 2.0 | 1.0 | |
| Aroclor 1232 | U | 2.0 | 1.0 | |
| Aroclor 1242 | U | 2.0 | 1.0 | |
| Aroclor 1248 | U | 2.0 | 1.0 | |
| Aroclor 1254 | U | 2.0 | 1.0 | |
| Aroclor 1260 | U | 2.0 | 1.0 | |
| Aroclor 1262 | U | 2.0 | 1.0 | |
| Aroclor 1268 | U | 2.0 | 1.0 | |
| PCT AROCLORS | | | | |
| Aroclor 5060 | U | 2.0 | 1.0 | |
| Aroclor 5442 | U | 2.0 | 1.0 | |
| Aroclor 5460 | U | 2.0 | 1.0 | |

| *Extraction Surrogate Recoveries (%)* | | Limits |
|---|---|---|
| Tetrachloro-m-xylene | 97 | 50 - 120 |
| Decachlorobiphenyl | 159 | 50 - 120 |

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

# Analytical Results for Semivolatile Organics
# META Environmental, Inc.

## Field ID: Method Blank Spike

| | | | |
|---|---|---|---|
| Client: | Dvirka and Bartillucci | Preparation Method: | EPA 3580 |
| Project: | McKinney Site | Cleanup Method(s): | NA |
| | | Analysis Method: | EPA 8082 |
| Lab ID | QC080311-MBS | | |
| File ID: | A031406.D | Matrix: | NAPL |
| | | Preservation: | None |
| Date Sampled: | NA | Decanted: | None |
| Date Received: | NA | | |
| Date Prepared: | 3/11/2008 | Sample Size (g): | 0.01 |
| Date Cleanup: | NA | Percent Solid: | 100% |
| Date Analyzed: | 3/14/2008 | Extract Volume (µl): | 2000 |
| Instrument: | AMX | Prep DF: | 1.00 |
| Operator: | EL | Analysis DF: | 1.00 |
| | | Injection Volume (µl): | 2.00 |
| Batch QC: | QC080311-MB | | |

| Analyte | Concentration (mg/kg) | | RL | EDL | Comments |
|---|---|---|---|---|---|
| PCB AROCLORS | Spike Amount | | | | % Recovery |
| Aroclor 1016 | 200 | 184 | 2.0 | 1.0 | 92 % |
| Aroclor 1221 | | U | 2.0 | 1.0 | |
| Aroclor 1232 | | U | 2.0 | 1.0 | |
| Aroclor 1242 | | U | 2.0 | 1.0 | |
| Aroclor 1248 | | U | 2.0 | 1.0 | |
| Aroclor 1254 | | U | 2.0 | 1.0 | |
| Aroclor 1260 | 200 | 175 | 2.0 | 1.0 | 88 % |
| Aroclor 1262 | | U | 2.0 | 1.0 | |
| Aroclor 1268 | | U | 2.0 | 1.0 | |
| PCT AROCLORS | | | | | |
| Aroclor 5060 | | U | 2.0 | 1.0 | |
| Aroclor 5442 | | U | 2.0 | 1.0 | |
| Aroclor 5460 | | U | 2.0 | 1.0 | |

| *Extraction Surrogate Recoveries (%)* | | Limits |
|---|---|---|
| Tetrachloro-m-xylene | 95 | 50 - 120 |
| Decachlorobiphenyl | 148 | 50 - 120 |

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

# Analytical Results for Semivolatile Organics
META Environmental, Inc.

## Field ID: MW-3 Product

| | | | |
|---|---|---|---|
| Client: | Dvirka and Bartillucci | Preparation Method: | EPA 3580 |
| Project: | McKinney Site | Cleanup Method(s): | NA |
| | | Analysis Method: | EPA 8082 |
| Lab ID | DB080307-01DUP | | |
| File ID: | A031409.D | Matrix: | NAPL |
| | | Preservation: | None |
| Date Sampled: | 3/6/2008 | Decanted: | None |
| Date Received: | 3/7/2008 | | |
| Date Prepared: | 3/11/2008 | Sample Size (g): | 0.0134 |
| Date Cleanup: | NA | Percent Solid: | 100% |
| Date Analyzed: | 3/14/2008 | Extract Volume (µl): | 2000 |
| Instrument: | AMX | Prep DF: | 1.00 |
| Operator: | EL | Analysis DF: | 1.00 |
| | | Injection Volume (µl): | 2.00 |
| Batch QC: | QC080311-MB | | |

| Analyte | Concentration (mg/kg) | | RL | EDL | Comments |
|---|---|---|---|---|---|
| PCB AROCLORS | | | | | RPD |
| Aroclor 1016 | | U | 1.49 | 0.745 | NA |
| Aroclor 1221 | | U | 1.49 | 0.745 | NA |
| Aroclor 1232 | | U | 1.49 | 0.745 | NA |
| Aroclor 1242 | | U | 1.49 | 0.745 | NA |
| Aroclor 1248 | | U | 1.49 | 0.745 | NA |
| Aroclor 1254 | | U | 1.49 | 0.745 | NA |
| Aroclor 1260 | | U | 1.49 | 0.745 | NA |
| Aroclor 1262 | | U | 1.49 | 0.745 | NA |
| Aroclor 1268 | | U | 1.49 | 0.745 | NA |
| PCT AROCLORS | | | | | |
| Aroclor 5060 | | U | 1.49 | 0.745 | NA |
| Aroclor 5442 | | U | 1.49 | 0.745 | NA |
| Aroclor 5460 | | U | 1.49 | 0.745 | NA |

| *Extraction Surrogate Recoveries (%)* | | Limits |
|---|---|---|
| Tetrachloro-m-xylene | 85 | 50 - 120 |
| Decachlorobiphenyl | 156 | 50 - 120 |

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

# Appendix L

# APPENDIX L

# DATA USABILITY SUMMARY REPORT FORMS

Data Usability Summary Report

Sixty surface soil, sixteen sub-surface soil and six groundwater samples were collected in February 2008 in support of a remedial investigation at the McKinney Property Site. The samples were alanlyzed for Target Compound List (TCL) Volatile Organic Compounds (VOCs), TCL Semivolatile Organic Compounds (SVOCs), pesticides, PCBs, Target Analyte List (TAL) Metals Metals and cyanide. Only twenty of the sixty surface soil samples were analyzed for TCL VOCs.

Sample analysis was performed by Mitkem Corporation, a subcontractor to Dvirka and Bartilucci, in accordance with NYSDEC 6/2000 ASP. The data packages, submitted by Mitkem, have been reviewed for contract and method compliance to determine the usability of the sample results. The findings of the review process are summarized below.

All samples were analyzed with the method specified holding times.

Several samples (VOC and SVOC fractions) required reanalysis due to surrogate recoveries and/or internal standard area counts being outside QC limits. The reanalysis proved matrix interference and results from the initial analysis was utilized for environmental assessment purposes.

Several samples (VOC, SVOC and/or pesticides and PCB fractions) required reanalysis at secondary dilutions due to compound concentrations exceeding the instrument calibration range. The results for the effected compounds were taken from the diluted analysis and are flagged "D" on the data summary tables.

No other problems were found with the sample results and all results are deemed usable for environmental assessment purposes as qualified above.

# DATA VALIDATION – ORGANICS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

I. Data Deliverable Requirements

| | | |
|---|---|---|
| A. Legible | **Yes** | No |
| B. Paginated | **Yes** | No |
| C. Arranged in order | **Yes** | No |
| D. Consistent dates | **Yes** | No |
| E. Case Narrative | **Yes** | No |
| F. Chain-of-Custody Record | **Yes** | No |
| G. Sample Data Complete | **Yes** | No |
| H. Standard Date Complete | **Yes** | No |
| I. Raw QC Data Complete | **Yes** | No |

Comments: **SDG G0173**

**6 soil samples analyzed for VOA.**

**20 soil samples, 1 matrix spike sample and 1 matrix spike duplicate sample analyzed for SVOA, Pesticides, PCBs, Metals, and Cyanide.**

**SSRI-2(0-0.1) was the MS/MSD for SVOA, Metals and Cyanide.**

**SSRI-2 (0.5-1) was the MS/MSD for Pesticides and PCBs.**

## DATA VALIDATION – ORGANICS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

II. Holding Times

| Sample I.D. | Date Received | Date Extracted | Date Analyzed | Holding Time Exceeded? |
|---|---|---|---|---|
| SSRI-2 (0-0.1) | 2/7/08 | 2/14/08 for SVOA;<br>2/12/08 for Pesticides and PCBs | 2/26/08 and 2/27/08 for SVOA;<br>2/19/08 and 2/20/08 for Pesticides and PCBs | No |
| SSRI-2 (0-0.1)MS | 2/7/08 | 2/14/08 for SVOA | 2/27/08 for SVOA | No |
| SSRI-2 (0-0.1) MSD | 2/7/08 | 2/14/08 for SVOA | 2/27/08 for SVOA | No |
| SSRI-2 (0.5-1) | 2/7/08 | 2/14/08 for SVOA;<br>2/12/08 for Pesticides and PCBs | 2/26/08 for SVOA;<br>2/19/08 and 2/20/08 for Pesticides and PCBs | No |
| SSRI-2 (0.5-1) MS | 2/7/08 | 2/12/08 for Pesticides and PCBs | 2/19/08 for Pesticides and PCBs | No |
| SSRI-2 (0.5-1) MSD | 2/7/08 | 2/12/08 for Pesticides and PCBs | 2/19/08 for Pesticides and PCBs | No |
| SSRI-2 (1.5-2) | 2/7/08 | 2/8/08 for VOA;<br>2/14/08 for SVOA;<br>2/12/08 for Pesticides and | 2/7/08 and 2/8/08 for VOA;<br>2/26/08 for SVOA;<br>2/19/08 for | No |

| | | | | |
|---|---|---|---|---|
| | | PCBs | Pesticides and PCBs | |
| SSRI-3 (0-0.1) | 2/7/08 | 2/14/08 for SVOA;<br>2/12/08 for Pesticides and PCBs | 2/26/08 and 2/27/08 for SVOA;<br>2/19/08 for Pesticides and PCBs | No |
| SSRI-3 (0.5-1) | 2/7/08 | 2/14/08 for SVOA;<br>2/12/08 for Pesticides and PCBs | 2/27/08 for SVOA;<br>2/19/08 for Pesticides and PCBs | No |
| SSRI-3 (1.5-2) | 2/7/08 | 2/14/08 for SVOA;<br>2/12/08 for Pesticides and PCBs | 2/7/08 for VOA;<br>2/25/08 for SVOA;<br>2/19/08 for Pesticides and PCBs | No |
| SSRI-4 (0-0.1) | 2/7/08 | 2/14/08 for SVOA;<br>2/12/08 for Pesticides and PCBs | 2/25/08 for SVOA;<br>2/19/08 for Pesticides and PCBs | No |
| SSRI-4 (0.5-1) | 2/7/08 | 2/14/08 for SVOA;<br>2/12/08 for Pesticides and PCBs | 2/25/08 for SVOA;<br>2/19/08 for Pesticides and PCBs | No |
| SSRI-4 (1.5-2) | 2/7/08 | 2/14/08 for SVOA;<br>2/12/08 for Pesticides and PCBs | 2/8/08 for VOA;<br>2/25/08 for SVOA;<br>2/19/08 for Pesticides and PCBs | No |
| SSRI-5 (0-0.1) | 2/7/08 | 2/14/08 for SVOA;<br>2/12/08 for Pesticides and | 2/26/08 and 2/27/08 for SVOA;<br>2/19/08 and | No |

| | | | | |
|---|---|---|---|---|
| | | PCBs | 2/21/08 for Pesticides and PCBs | |
| SSRI-5 (0.5-1) | 2/7/08 | 2/14/08 for SVOA;<br>2/12/08 for Pesticides and PCBs | 2/26/08 for SVOA;<br>2/19/08 for Pesticides and PCBs | No |
| SSRI-5 (1.5-2) | 2/7/08 | 2/14/08 for SVOA;<br>2/12/08 for Pesticides and PCBs | 2/8/08 for VOA;<br>2/26/08 for SVOA;<br>2/19/08 for Pesticides and PCBs | No |
| SSRI-6 (0-0.1) | 2/7/08 | 2/14/08 for SVOA;<br>2/12/08 for Pesticides and PCBs | 2/26/08 and 2/27/08 for SVOA;<br>2/19/08 and 2/21/08 for Pesticides and PCBs | No |
| SSRI-6 (0.5-1) | 2/7/08 | 2/14/08 for SVOA;<br>2/12/08 for Pesticides and PCBs | 2/26/08 and 2/27/08 for SVOA;<br>2/19/08 for Pesticides and PCBs | No |
| SSRI-6 (1.5-2) | 2/7/08 | 2/14/08 for SVOA;<br>2/12/08 for Pesticides and PCBs | 2/8/08 for VOA;<br>2/25/08 for SVOA;<br>2/19/08 for Pesticides and PCBs | No |
| SSRI-7 (0-0.1) | 2/7/08 | 2/14/08 for SVOA;<br>2/12/08 for Pesticides and PCBs | 2/26/08 and 2/27/08 for SVOA;<br>2/19/08 and 2/21/08 for Pesticides and | No |

| | | | | |
|---|---|---|---|---|
| | | | PCBs | |
| SSRI-7 (0.5-1) | 2/7/08 | 2/14/08 for SVOA;<br>2/12/08 for Pesticides and PCBs | 2/26/08 and 2/27/08 for SVOA;<br>2/20/08 and 2/21/08 for Pesticides and PCBs | No |
| SSRI-7 (1.5-2) | 2/7/08 | 2/14/08 for SVOA;<br>2/12/08 for Pesticides and PCBs | 2/7/08 for VOA;<br>2/26/08 and 2/27/08 for SVOA;<br>2/21/08 for Pesticides and PCBs | No |
| SSRI-1 (0-0.1) | 2/7/08 | 2/14/08 for SVOA;<br>2/12/08 for Pesticides and PCBs | 2/26/08 for SVOA;<br>2/21/08 for Pesticides and PCBs | No |
| SSRI-1 (0.5-1) | 2/7/08 | 2/14/08 for SVOA;<br>2/12/08 for Pesticides and PCBs | 2/27/08 for SVOA;<br>2/21/08 for Pesticides and PCBs | No |

## DATA VALIDATION – ORGANICS

Site Name: McKinney Property  Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella  Date of Review: 1/21/09

Fraction: VOA, SVOA, Pesticide, PCBs

III. Tune Summary

| Tune File I.D. Number | Acceptable ? | Comments |
|---|---|---|
| **1. V5I4175** | **Yes** | **Initial** |
| **2. V5I4560** | **Yes** | **Samples** |
| **3. V5I4590** | **Yes** | **Samples** |
| **4. V5I4610** | **Yes** | **Samples** |
| 5. | | |
| 6. | | |
| 7. | | |
| 8. | | |
| 9. | | |
| 10. | | |

# DATA VALIDATION – ORGANICS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

Fraction: VOA, SVOA, Pesticide, PCBs

IV. Initial Calibration Summary (GC/MS)

Date of Calibration: **1/24/08 & 2/7/08**

A. Standard Data Files

| | | | |
|---|---|---|---|
| Standard 1 ID: | **V5I4178 & V5I 4564** | Conc: | **10** |
| Standard 2 ID: | **V5I4177 & V5I 4563** | Conc: | **20** |
| Standard 3 ID: | **V5I4176 & V5I 4562** | Conc: | **50** |
| Standard 4 ID: | **V5I4181 & V5I 4566** | Conc: | **100** |
| Standard 5 ID: | **V5I4180 & V5I 4565** | Conc: | **200** |

B. 1. All SPCC met Criteria ?

**Yes** No

2. Calculate a SPCC average RRF

Comments:

**DATA VALIDATION – ORGANICS**

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

Fraction: VOA, SVOA, Pesticide, PCBs Date of Calibration: _____

IV. Initial Calibration Summary (continued)

2. All CCC met Criteria ?

**Yes** No

Comments: _____

Calculate a CCC % RSD

C. 1. Was the tune for the initial calibration acceptable ?

**Yes** No

2. Was the calibration conducted within 12 hours of the tune

**Yes** No

Comments: _____

D. Overall assessment of the initial calibration:
(list the associated samples)

**OK.**

**Samples: SSRI-2 (1.5-2), SSRI-3 (1.5-2), SSRI-4 (1.5-2), SSRI-5 (1.5-2),**

**SSRI-6 (1.5-2), SSRI-7 (1.5-2), SSRI-2 (1.5-2) DL**

**DATA VALIDATION – ORGANICS**

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

Fraction: VOA, SVOA, Pesticide, PCBs

VI. Continuing Calibration Summary (GC/MS)

Date of Initial Calibration: **1/24/08 & 2/7/08**

Date of Continuing Calibration: **2/7/08** File ID: **V5I4562**

**2/8/08** **V5I4592**

**2/8/08** **V5I4612**

A. 1. All SPCC met criteria ?

**Yes** No

Calculate a SPCC RRF

Comments:

2. All CCC met criteria ?

**Yes** No

Calculate a CCC % D

Comments: **%D>25% acceptable if <40% for four or less compounds.**

B. Overall assessment of Continuing Calibration
(list associated samples)

**OK.**

**Samples: SSRI-2 (1.5-2), SSRI-3 (1.5-2), SSRI-4 (1.5-2), SSRI-5 (1.5-2), SSRI-6 (1.5-2), SSRI-7 (1.5-2), SSRI-2 (1.5-2) DL**

## DATA VALIDATION – ORGANICS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

Fraction: VOA, SVOA, Pesticide, PCBs

VIII. Internal Standard Area Summary (GC/MS)

Were all internal standard peak areas within the contract limits ?

**Yes** No

If No, please note below

| Sample | Internal Standard Outside Limits | Amount Above Contract Requirement | Comments |
|---|---|---|---|

**DATA VALIDATION – ORGANICS**

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

Fraction: VOA, SVOA, Pesticide, PCBs

IX. Blank Summary **All blanks clean**

| | | | |
|---|---|---|---|
| Date/Time of Analysis: | **1) 2/7/08 17:44** | File ID: | **V5I4567** |
| | **2) 2/8/08 10:13** | | **V5I4593** |
| | **2) 2/8/08 16:24** | | **V5I4614** |

| Compound | Concentration | ≤ CROL | Comments |
|---|---|---|---|

List the samples associated with this method blank.

1) **SSRI-2 (1.5-2), SSRI-3 (1.5-2), SSRI-7 (1.5-2)**

2) **SSRI-4 (1.5-2), SSRI-5 (1.5-2), SSRI-6 (1.5-2)**

3) **SSRI-2 (1.5-2) DL**

## DATA VALIDATION – ORGANICS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

Fraction: VOA, SVOA, Pesticide, PCBs

X. Surrogate Recovery Summary

Were all surrogate recoveries within the contract limits ?

Yes **No**

If No, please note below.

| Sample | Surrogate Compound Outside Recovery Limits | Amount Above Contract Requirement | Comments |
|---|---|---|---|
| **SSRI-2 (1.5-2)** | **Toluene** | **74** | **Rerun as diluted sample - within QC limits.** |
| **SSRI-2 (1.5-2)** | **Bromofluorobenzene** | **49** | **Rerun as diluted sample - within QC limits.** |

## DATA VALIDATION – ORGANICS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

Fraction: VOA, SVOA, Pesticide, PCBs

XI. Matrix Spike/Matrix Spike Duplication Summary

Sample ID: **None submitted for VOA** Matrix: **soil**

Did the MS/MSD recovery data meet the contract recommended requirements ?

Yes No

If No, please note below.

**Although a site specific MS/MSD was not submitted for VOA, a Lab Control Sample was analyzed for VOA and was within QC limits.**

# DATA VALIDATION – METALS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

I. Holding times

| Sample | Date Received | Date Digested | Date Analyzed | Holding Time Exceeded? |
|---|---|---|---|---|
| SSRI-2 (0-0.1) | 2/7/08 | NA | 2/12/08 and 2/13/08 for Metals and Cyanide | No |
| SSRI-2 (0-0.1)MS | 2/7/08 | NA | 2/12/08 for Metals and Cyanide | No |
| SSRI-2 (0-0.1) MSD | 2/7/08 | NA | 2/12/08 and 2/13/08 for Metals and Cyanide | No |
| SSRI-2 (0.5-1) | 2/7/08 | NA | 2/12/08 and 2/13/08 for Metals and Cyanide | No |
| SSRI-2 (1.5-2) | 2/7/08 | NA | 2/12/08 and 2/13/08 for Metals and Cyanide | No |
| SSRI-3 (0-0.1) | 2/7/08 | NA | 2/12/08 and 2/13/08 for Metals and Cyanide | No |
| SSRI-3 (0.5-1) | 2/7/08 | NA | 2/12/08 and 2/13/08 for Metals and Cyanide | No |
| SSRI-3 (1.5-2) | 2/7/08 | NA | 2/12/08 and 2/13/08 for Metals and Cyanide | No |
| SSRI-4 (0-0.1) | 2/7/08 | NA | 2/12/08 and 2/13/08 for Metals and Cyanide | No |

| | | | |
|---|---|---|---|
| SSRI-4 (0.5-1) 2/7/08 | NA | 2/12/08 and 2/13/08 for Metals and Cyanide | No |
| SSRI-4 (1.5-2) 2/7/08 | NA | 2/12/08 and 2/13/08 for Metals and Cyanide | No |
| SSRI-5 (0-0.1) 2/7/08 | NA | 2/12/08 and 2/13/08 for Metals and Cyanide | No |
| SSRI-5 (0.5-1) 2/7/08 | NA | 2/12/08 and 2/13/08 for Metals and Cyanide | No |
| SSRI-5 (1.5-2) 2/7/08 | NA | 2/12/08 and 2/13/08 for Metals and Cyanide | No |
| SSRI-6 (0-0.1) 2/7/08 | NA | 2/11/08 and 2/12/08 for Metals and Cyanide | No |
| SSRI-6 (0.5-1) 2/7/08 | NA | 2/12/08 and 2/13/08 for Metals and Cyanide | No |
| SSRI-6 (1.5-2) 2/7/08 | NA | 2/12/08 and 2/13/08 for Metals and Cyanide | No |
| SSRI-7 (0-0.1) 2/7/08 | NA | 2/12/08 and 2/13/08 for Metals and Cyanide | No |
| SSRI-7 (0.5-1) 2/7/08 | NA | 2/11/08 and 2/12/08 for Metals and Cyanide | No |
| SSRI-7 (1.5-2) 2/7/08 | NA | 2/12/08 and 2/13/08 for Metals and Cyanide | No |

## DATA VALIDATION – METALS

| | | | |
|---|---|---|---|
| SSRI-1 (0-0.1) 2/7/08 | NA | 2/12/08 and 2/13/08 for Metals and Cyanide | No |
| SSRI-1 (0.5-1) 2/7/08 | NA | 2/12/08 and 2/13/08 for Metals and Cyanide | No |

# DATA VALIDATION – METALS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

Associated Samples: **SSRI-2(0-0.1), SSRI-2(0.5-1), SSRI-2(1.5-2), SSRI-3(0-0.1), SSRI-3(0.5-1), SSRI-3(1.5-2), SSRI-4(0-0.1), SSRI-4(0.5-1), SSRI-4(1.5-2), SSRI-5(0-0.1), SSRI-5(0.5-1), SSRI-5(1.5-2), SSRI-6(0-0.1), SSRI-6(0.5-1), SSRI-6(1.5-2), SSRI-7(0-0.1), SSRI-7(0.5-1), SSRI-7(1.5-2), SSRI-1(0-0.1), SSRI-1(0.5-1).**

II. Initial Calibration

1. Were all initial instrument calibrations performed?

   Yes No

   Comments:

2. Were the initial calibration verification standards analyzed at the contract specified frequency?

   Yes No

   Comments:

3. Were the initial calibration results within the control limits listed below?

   For tin and mercury: 80-120% of the true value
   For all other metals: 90-110% of the true value

   Yes No

   If "No", note analytes

# DATA VALIDATION – METALS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

Associated Samples: _____

III. Continuing Calibration

1. Were the continuing calibration verification standards analyzed at the contract specified frequency?

   Yes No

   Comments:

_____

_____

_____

2. Were the continuing calibration results within the control limits listed below?

   For tin and mercury: 80-120% of the true value
   For all other metals: 90-110% of the true value

   Yes No

   If "No", note analytes _____

# DATA VALIDATION – METALS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

IV. Blank Summary

A. Method Blanks

1. Was a method blank prepared and analyzed at the contract specified frequency?

Yes No

2. Were all the analytes below the CRDL in the method blank?

Yes No

Comments:

B. Calibration Blanks

1. Were all initial and continuing calibration blanks analyzed at the contract specified frequency/

Yes No

2. Were all the analytes below the CRDL in all the calibration blanks?

Yes No

Comments:

# DATA VALIDATION – METALS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

V. Duplicate Analysis

1. Was a duplicate prepared and analyzed at the contract specified frequency?

   Yes No

   Comments:

2. Were control limits for the relative percent differences (RPD) met for each analyte?

   Yes No

   Comments:

For sample values >5 times the CRDL, the RPD control limit is ±20%.

For sample values ≤ 5 times the CRDL, the RPD control limit is ±CRDL.

If sample results were outside of the control limits, all data associated with that duplicate sample should have been flagged with a "*".

## DATA VALIDATION – METALS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

VI. Matrix Spike Analysis

1. Was a matrix spike prepared and analyzed at the contract specified frequency?

   Yes No

   Comments:

2. Were the matrix spike recoveries within the contract specified control limits (75-125%)?

   Yes No

   If "No", note analytes _____

   Data should have been flagged with "N" for analytes out of control limits. If the sample concentration exceeds the spike concentration by a factor of four or more, no flag is required.

## DATA VALIDATION – METALS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

VII. ICP Interference Check Sample Summary

1. Was the ICP serial dilution analyzed at the contract specified frequency?

   Yes No

   Comments:

2. Were the serial dilution differences within the contract specified limits of ±w 10%?

   Yes No

   Comments:

3. Was the ICP CRDL check standard analyzed at the contract specified frequency for the analytes required?

   Yes No

   Comments:

## DATA VALIDATION – METALS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

VII. ICP Interference Check Sample Summary (continued):

4. Was the ICP interference check sample analyzed at the contract specified frequency:

Yes No

Comments:

5. Were the ICP interference check sample results within the control limit of ± 20% of the mean value?

Yes No

If "No", not analytes

## DATA VALIDATION – METALS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

VIII. Laboratory Control Sample Analysis

1. Was a laboratory control sample analyzed at the contract required frequency?

   Yes No

   Comments:

2. Were the percent recoveries within the control limits of 80-120% (except for Ag and Sb) for each analyte?

   Yes No

   Comments:

# DATA VALIDATION – ORGANICS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

I. Data Deliverable Requirements

| | | |
|---|---|---|
| A. Legible | **Yes** | No |
| B. Paginated | **Yes** | No |
| C. Arranged in order | **Yes** | No |
| D. Consistent dates | **Yes** | No |
| E. Case Narrative | **Yes** | No |
| F. Chain-of-Custody Record | **Yes** | No |
| G. Sample Data Complete | **Yes** | No |
| H. Standard Date Complete | **Yes** | No |
| I. Raw QC Data Complete | **Yes** | No |

Comments: **SDG G0174**

**6 soil samples analyzed for VOA.**

**19 soil samples, 1 blind duplicate sample, 1 matrix spike sample and 1 matrix spike duplicate sample analyzed for SVOA, Pesticides, PCBs, Metals, and Cyanide.**

**SSRI-8(0-0.1) was the MS/MSD for SVOA.**

**SSRI-1 (1.5-2) was the MS/MSD for Pesticides, PCBs, Metals and Cyanide.**

**DATA VALIDATION – ORGANICS**

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

II. Holding Times

| Sample I.D. | Date Received | Date Extracted | Date Analyzed | Holding Time Exceeded? |
|---|---|---|---|---|
| SSRI-1(1.5-2) | 2/7/08 | 2/13/08 | 2/7/08 for VOA;<br>2/24/08 for SVOA;<br>2/21/08 for Pesticides and PCBs | No |
| SSRI-1(1.5-2) MS | 2/7/08 | 2/13/08 | 2/21/08 for Pesticides and PCBs | No |
| SSRI-1(1.5-2) MSD | 2/7/08 | 2/13/08 | 2/21/08 for Pesticides and PCBs | No |
| BD-1 | 2/7/08 | 2/13/08 | 2/24/08 for SVOA;<br>2/21/08 for Pesticides and PCBs | No |
| SSRI-8 (0-0.1) | 2/7/08 | 2/13/08 | 2/24/08 for SVOA;<br>2/21/08 for Pesticides and PCBs | No |
| SSRI-8 (0-0.1) MS | 2/7/08 | 2/13/08 | 2/24/08 for SVOA | No |
| SSRI-8 (0-0.1) MSD | 2/7/08 | 2/13/08 | 2/24/08 for SVOA | No |
| SSRI-8 (0.5-1) | 2/7/08 | 2/13/08 | 2/24/08 for SVOA;<br>2/21/08 for Pesticides and | No |

| | | | | |
|---|---|---|---|---|
| | | | PCBs | |
| SSRI-8 (1.5-2) | 2/7/08 | 2/13/08 | 2/7/08 for VOA;<br>2/24/08 for SVOA;<br>2/21/08 for Pesticides and PCBs | No |
| SSRI-9 (0-0.1) | 2/7/08 | 2/13/08 | 2/24/08 for SVOA;<br>2/21/08 for Pesticides and PCBs | No |
| SSRI-9 (0.5-1) | 2/7/08 | 2/13/08 | 2/24/08 for SVOA;<br>2/23/08 for Pesticides and PCBs | No |
| SSRI-9 (1.5-2) | 2/7/08 | 2/13/08 | 2/8/08 for VOA;<br>2/24/08 for SVOA;<br>2/21/08 for Pesticides and PCBs | No |
| SSRI-11 (0-0.1) | 2/7/08 | 2/13/08 | 2/24/08 for SVOA;<br>2/21/08 for Pesticides and PCBs | No |
| SSRI-12 (0-0.1) | 2/7/08 | 2/13/08 | 2/25/08 for SVOA;<br>2/23/08 for Pesticides and PCBs | No |
| SSRI-12 (0.5-1) | 2/7/08 | 2/13/08 | 2/25/08 for SVOA;<br>2/21/08 for Pesticides and PCBs | No |

| | | | | |
|---|---|---|---|---|
| SSRI-12 (1.5-2) | 2/7/08 | 2/13/08 | 2/8/08 for VOA;<br>2/25/08 for SVOA;<br>2/23/08 for Pesticides and PCBs | No |
| SSRI-13 (0-0.1) | 2/7/08 | 2/13/08 | 2/25/08 for SVOA;<br>2/21/08 for Pesticides and PCBs | No |
| SSRI-13 (0.5-1) | 2/7/08 | 2/13/08 | 2/24/08 for SVOA;<br>2/21/08 for Pesticides and PCBs | No |
| SSRI-13 (1.5-2) | 2/7/08 | 2/13/08 | 2/7/08 for VOA;<br>2/24/08 for SVOA;<br>2/21/08 for Pesticides and PCBs | No |
| SSRI-14 (0-0.1) | 2/7/08 | 2/13/08 | 2/25/08 for SVOA;<br>2/21/08 for Pesticides and PCBs | No |
| SSRI-14 (0.5-1) | 2/7/08 | 2/13/08 | 2/25/08 for SVOA;<br>2/21/08 for Pesticides and PCBs | No |
| SSRI-14 (1.5-2) | 2/7/08 | 2/13/08 | 2/8/08 for VOA;<br>2/25/08 for SVOA;<br>2/21/08 for Pesticides and | No |

| | | | | |
|---|---|---|---|---|
| | | | PCBs | |
| SSRI-15 (0-0.1) | 2/7/08 | 2/13/08 | 2/24/08 for SVOA;<br>2/21/08 for Pesticides and PCBs | No |
| SSRI-15 (0.5-1) | 2/7/08 | 2/13/08 | 2/24/08 for SVOA;<br>2/22/08 and 2/24/08 for Pesticides and PCBs | No |

## DATA VALIDATION – ORGANICS

Site Name: McKinney Property  Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella  Date of Review: 1/21/09

Fraction: VOA, SVOA, Pesticide, PCBs

III. Tune Summary

| Tune File I.D. Number | Acceptable ? | Comments |
|---|---|---|
| **1. V5I4560** | **Yes** | **Initial & samples** |
| **2. V5I4590** | **Yes** | **Samples** |
| 3. | | |
| 4. | | |
| 5. | | |
| 6. | | |
| 7. | | |
| 8. | | |
| 9. | | |
| 10. | | |

## DATA VALIDATION – ORGANICS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

Fraction: VOA, SVOA, Pesticide, PCBs

IV. Initial Calibration Summary (GC/MS)

Date of Calibration: **2/7/08**

A. Standard Data Files

| | | | |
|---|---|---|---|
| Standard 1 ID: | **V5I4564** | Conc: | **10** |
| Standard 2 ID: | **V5I4563** | Conc: | **20** |
| Standard 3 ID: | **V5I4562** | Conc: | **50** |
| Standard 4 ID: | **V5I4566** | Conc: | **100** |
| Standard 5 ID: | **V5I4565** | Conc: | **200** |

B. 1. All SPCC met Criteria ?

**Yes** No

2. Calculate a SPCC average RRF

Comments:

**DATA VALIDATION – ORGANICS**

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

Fraction: VOA, SVOA, Pesticide, PCBs Date of Calibration: **2/7/08**

IV. Initial Calibration Summary (continued)

2. All CCC met Criteria ?

**Yes** No

Comments:

Calculate a CCC % RSD

C. 1. Was the tune for the initial calibration acceptable ?

**Yes** No

2. Was the calibration conducted within 12 hours of the tune

**Yes** No

Comments:

D. Overall assessment of the initial calibration:
(list the associated samples)

**OK.**

**Samples: SSRI-1 (1.5-2), SSRI-8 (1.5-2), SSRI-9 (1.5-2), SSRI-12 (1.5-2), SSRI-13 (1.5-2), SSRI-14 (1.5-2)**

**DATA VALIDATION – ORGANICS**

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

Fraction: VOA, SVOA, Pesticide, PCBs

VI. Continuing Calibration Summary (GC/MS)

Date of Initial Calibration: **2/7/08**

Date of Continuing Calibration: **2/7/08** File ID: **V5I4562**

**2/8/08** **V5I4592**

A. 1. All SPCC met criteria ?

**Yes** No

Calculate a SPCC RRF

Comments:

2. All CCC met criteria ?

**Yes** No

Calculate a CCC % D

Comments: **%D>25% acceptable if <40% for four or less compounds.**

B. Overall assessment of Continuing Calibration
(list associated samples)

**OK.**

**Samples: SSRI-1 (1.5-2), SSRI-8 (1.5-2), SSRI-9 (1.5-2), SSRI-12 (1.5-2), SSRI-13 (1.5-2), SSRI-14 (1.5-2)**

## DATA VALIDATION – ORGANICS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

Fraction: VOA, SVOA, Pesticide, PCBs

VIII. Internal Standard Area Summary (GC/MS)

Were all internal standard peak areas within the contract limits ?

**Yes** No

If No, please note below

| Sample | Internal Standard Outside Limits | Amount Above Contract Requirement | Comments |
|---|---|---|---|

## DATA VALIDATION – ORGANICS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

Fraction: VOA, SVOA, Pesticide, PCBs

IX. Blank Summary **All blanks clean**

Date/Time of Analysis: **1) 2/7/08 17:44** File ID: **V5I4567**

**2) 2/8/08 10:13** **V5I4593**

| Compound | Concentration | ≤ CROL | Comments |
|---|---|---|---|

List the samples associated with this method blank.

1) **SSRI-1 (1.5-2), SSRI-8 (1.5-2), SSRI-13 (1.5-2)**

2) **SSRI-9 (1.5-2), SSRI-12 (1.5-2), SSRI-14 (1.5-2)**

## DATA VALIDATION – ORGANICS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

Fraction: VOA, SVOA, Pesticide, PCBs

X. Surrogate Recovery Summary

Were all surrogate recoveries within the contract limits ?

**Yes** No

If No, please note below.

| Sample | Surrogate Compound Outside Recovery Limits | Amount Above Contract Requirement | Comments |
|---|---|---|---|

## DATA VALIDATION – ORGANICS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

Fraction: VOA, SVOA, Pesticide, PCBs

XI. Matrix Spike/Matrix Spike Duplication Summary

Sample ID: **None submitted for VOA** Matrix: **soil**

Did the MS/MSD recovery data meet the contract recommended requirements ?

Yes No

If No, please note below.

**Although a site specific MS/MSD was not submitted for VOA, a Lab Control Sample was analyzed for VOA and was within QC limits.**

# DATA VALIDATION – METALS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

I. Holding times

| Sample | Date Received | Date Digested | Date Analyzed | Holding Time Exceeded? |
|---|---|---|---|---|
| SSRI-1(1.5-2) | 2/7/08 | NA | 2/11/08 and 2/14/08 for Metals and Cyanide | No |
| SSRI-1(1.5-2) MS | 2/7/08 | NA | 2/11/08 and 2/14/08 for Metals and Cyanide | No |
| SSRI-1(1.5-2) MSD | 2/7/08 | NA | 2/11/08 and 2/14/08 for Metals and Cyanide | No |
| BD-1 | 2/7/08 | NA | 2/11/08 and 2/14/08 for Metals and Cyanide | No |
| SSRI-8 (0-0.1) | 2/7/08 | NA | 2/11/08 and 2/14/08 for Metals and Cyanide | No |
| SSRI-8 (0.5-1) | 2/7/08 | NA | 2/11/08 and 2/1508 for Metals and Cyanide | No |
| SSRI-8 (1.5-2) | 2/7/08 | NA | 2/11/08 and 2/1508 for Metals and Cyanide | No |
| SSRI-9 (0-0.1) | 2/7/08 | NA | 2/11/08 and 2/1508 for Metals and Cyanide | No |

| | | | | |
|---|---|---|---|---|
| SSRI-9 (0.5-1) | 2/7/08 | NA | 2/11/08 and 2/1508 for Metals and Cyanide | No |
| SSRI-9 (1.5-2) | 2/7/08 | NA | 2/11/08 and 2/1508 for Metals and Cyanide | No |
| SSRI-11 (0-0.1) | 2/7/08 | NA | 2/11/08 and 2/14/08 for Metals and Cyanide | No |
| SSRI-12 (0-0.1) | 2/7/08 | NA | 2/11/08 and 2/14/08 for Metals and Cyanide | No |
| SSRI-12 (0.5-1) | 2/7/08 | NA | 2/11/08 and 2/14/08 for Metals and Cyanide | No |
| SSRI-12 (1.5-2) | 2/7/08 | NA | 2/11/08 and 2/14/08 for Metals and Cyanide | No |
| SSRI-13 (0-0.1) | 2/7/08 | NA | 2/11/08 and 2/14/08 for Metals and Cyanide | No |
| SSRI-13 (0.5-1) | 2/7/08 | NA | 2/11/08 and 2/1508 for Metals and Cyanide | No |
| SSRI-13 (1.5-2) | 2/7/08 | NA | 2/11/08 and 2/1508 for Metals and Cyanide | No |
| SSRI-14 (0-0.1) | 2/7/08 | NA | 2/11/08 and 2/14/08 for Metals and Cyanide | No |
| SSRI-14 (0.5-1) | 2/7/08 | NA | 2/11/08 and 2/14/08 for Metals and Cyanide | No |

## DATA VALIDATION – METALS

| | | | | |
|---|---|---|---|---|
| SSRI-14 (1.5-2) | 2/7/08 | NA | 2/11/08 and 2/14/08 for Metals and Cyanide | No |
| SSRI-15 (0-0.1) | 2/7/08 | NA | 2/11/08 and 2/14/08 for Metals and Cyanide | No |
| SSRI-15 (0.5-1) | 2/7/08 | NA | 2/11/08 and 2/14/08 for Metals and Cyanide | No |

# DATA VALIDATION – METALS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

Associated Samples: _____

II. Initial Calibration

1. Were all initial instrument calibrations performed?

   Yes No

   Comments:

2. Were the initial calibration verification standards analyzed at the contract specified frequency?

   Yes No

   Comments:

3. Were the initial calibration results within the control limits listed below?

   For tin and mercury: 80-120% of the true value
   For all other metals: 90-110% of the true value

   Yes No

   If "No", note analytes _____

# DATA VALIDATION – METALS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

Associated Samples: _____

III. Continuing Calibration

1. Were the continuing calibration verification standards analyzed at the contract specified frequency?

   Yes No

   Comments:

_____

_____

_____

2. Were the continuing calibration results within the control limits listed below?

   For tin and mercury: 80-120% of the true value
   For all other metals: 90-110% of the true value

   Yes No

   If "No", note analytes _____

# DATA VALIDATION – METALS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

IV. Blank Summary

A. Method Blanks

1. Was a method blank prepared and analyzed at the contract specified frequency?

Yes No

2. Were all the analytes below the CRDL in the method blank?

Yes No

Comments:

B. Calibration Blanks

1. Were all initial and continuing calibration blanks analyzed at the contract specified frequency/

Yes No

2. Were all the analytes below the CRDL in all the calibration blanks?

Yes No

Comments:

# DATA VALIDATION – METALS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

V. Duplicate Analysis

1. Was a duplicate prepared and analyzed at the contract specified frequency?

   Yes No

   Comments:

2. Were control limits for the relative percent differences (RPD) met for each analyte?

   Yes No

   Comments:

For sample values >5 times the CRDL, the RPD control limit is ±20%.

For sample values ≤ 5 times the CRDL, the RPD control limit is ±CRDL.

If sample results were outside of the control limits, all data associated with that duplicate sample should have been flagged with a "*".

# DATA VALIDATION – METALS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

VI. Matrix Spike Analysis

1. Was a matrix spike prepared and analyzed at the contract specified frequency?

   Yes No

   Comments:

2. Were the matrix spike recoveries within the contract specified control limits (75-125%)?

   Yes No

   If "No", note analytes _____

   Data should have been flagged with "N" for analytes out of control limits. If the sample concentration exceeds the spike concentration by a factor of four or more, no flag is required.

## DATA VALIDATION – METALS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

VII. ICP Interference Check Sample Summary

1. Was the ICP serial dilution analyzed at the contract specified frequency?

   Yes No

   Comments:

2. Were the serial dilution differences within the contract specified limits of ±w 10%?

   Yes No

   Comments:

3. Was the ICP CRDL check standard analyzed at the contract specified frequency for the analytes required?

   Yes No

   Comments:

## DATA VALIDATION – METALS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

VII. ICP Interference Check Sample Summary (continued):

4. Was the ICP interference check sample analyzed at the contract specified frequency:

   Yes No

   Comments:

5. Were the ICP interference check sample results within the control limit of ± 20% of the mean value?

   Yes No

   If "No", not analytes

## DATA VALIDATION – METALS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

VIII. Laboratory Control Sample Analysis

1. Was a laboratory control sample analyzed at the contract required frequency?

   Yes No

   Comments:

2. Were the percent recoveries within the control limits of 80-120% (except for Ag and Sb) for each analyte?

   Yes No

   Comments:

# DATA VALIDATION – ORGANICS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

I. Data Deliverable Requirements

| | | |
|---|---|---|
| A. Legible | **Yes** | No |
| B. Paginated | **Yes** | No |
| C. Arranged in order | **Yes** | No |
| D. Consistent dates | **Yes** | No |
| E. Case Narrative | **Yes** | No |
| F. Chain-of-Custody Record | **Yes** | No |
| G. Sample Data Complete | **Yes** | No |
| H. Standard Date Complete | **Yes** | No |
| I. Raw QC Data Complete | **Yes** | No |

Comments: **SDG G0175**

**1 soil sample analyzed for VOA.**

**1 soil sample and 1 blind duplicate sample analyzed for SVOA, Pesticides and PCBs.**

**1 soil sample, 1 blind duplicate sample, 1 matrix spike sample and 1 matrix spike duplicate sample analyzed for Metals, and Cyanide.**

**SSRI-15(1.5-2) was the MS/MSD.**

## DATA VALIDATION – ORGANICS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

II. Holding Times

| Sample I.D. | Date Received | Date Extracted | Date Analyzed | Holding Time Exceeded? |
|---|---|---|---|---|
| SSRI-15 (1.5-2) | 2/7/08 | 2/8/08 for VOA; 2/13/08 for SVOA, Pesticides and PCBs | 2/7/08 and 2/8/08 for VOA; 2/24/08 and 2/25/08 for SVOA; 2/26/08 and 2/27/08 for Pesticides and PCBs | No |
| BD-2 | 2/7/08 | 2/13/08 | 2/24/08 for SVOA; 2/21/08 for Pesticides and PCBs | No |

## DATA VALIDATION – ORGANICS

Site Name: McKinney Property  Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella  Date of Review: 1/21/09

Fraction: VOA, SVOA, Pesticide, PCBs

III. Tune Summary

| Tune File I.D. Number | Acceptable ? | Comments |
|---|---|---|
| **1. V5I4175** | **Yes** | **Initial** |
| **2. V5I4560** | **Yes** | **Sample** |
| **3. V5I4590** | **Yes** | **Blanks** |
| **4. V5I4610** | **Yes** | **Sample** |
| 5. | | |
| 6. | | |
| 7. | | |
| 8. | | |
| 9. | | |
| 10. | | |

**DATA VALIDATION – ORGANICS**

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

Fraction: VOA, SVOA, Pesticide, PCBs

IV. Initial Calibration Summary (GC/MS)

Date of Calibration: **1/24/08 & 2/7/08**

A. Standard Data Files

| | | | |
|---|---|---|---|
| Standard 1 ID: | **V5I4178 & V5I 4564** | Conc: | **10** |
| Standard 2 ID: | **V5I4177 & V5I 4563** | Conc: | **20** |
| Standard 3 ID: | **V5I4176 & V5I 4562** | Conc: | **50** |
| Standard 4 ID: | **V5I4181 & V5I 4566** | Conc: | **100** |
| Standard 5 ID: | **V5I4180 & V5I 4565** | Conc: | **200** |

B. 1. All SPCC met Criteria ?

**Yes** No

2. Calculate a SPCC average RRF

Comments:

**DATA VALIDATION – ORGANICS**

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

Fraction: VOA, SVOA, Pesticide, PCBs Date of Calibration:

IV. Initial Calibration Summary (continued)

2. All CCC met Criteria ?

**Yes** No

Comments:

Calculate a CCC % RSD

C. 1. Was the tune for the initial calibration acceptable ?

**Yes** No

2. Was the calibration conducted within 12 hours of the tune

**Yes** No

Comments:

D. Overall assessment of the initial calibration:
(list the associated samples)

**OK.**

**Samples: SSRI-15 (1.5-2), SSRI-15 (1.5-2) DL**

## DATA VALIDATION – ORGANICS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

Fraction: VOA, SVOA, Pesticide, PCBs

VI. Continuing Calibration Summary (GC/MS)

Date of Initial Calibration: **1/24/08 & 2/7/08**

Date of Continuing Calibration: **1/24/08** File ID: **V5I4176**

**2/7/08** File ID: **V5I4562**

**2/7/08** **V5I4592**

**2/8/08** **V5I4612**

A. 1. All SPCC met criteria ?

**Yes** No

Calculate a SPCC RRF

Comments:

2. All CCC met criteria ?

**Yes** No

Calculate a CCC % D

Comments: **%D>25% acceptable if <40% for four or less compounds**

B. Overall assessment of Continuing Calibration
(list associated samples)

**OK.**

**Samples: SSRI-15 (1.5-2), SSRI-15 (1.5-2) DL**

## DATA VALIDATION – ORGANICS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

Fraction: VOA, SVOA, Pesticide, PCBs

VIII. Internal Standard Area Summary (GC/MS)

Were all internal standard peak areas within the contract limits ?

**Yes** No

If No, please note below

| Sample | Internal Standard Outside Limits | Amount Above Contract Requirement | Comments |
|---|---|---|---|

**DATA VALIDATION – ORGANICS**

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

Fraction: VOA, SVOA, Pesticide, PCBs

IX. Blank Summary **All blanks clean**

| | | | |
|---|---|---|---|
| Date/Time of Analysis: | **1) 2/7/08 17:44** | File ID: | **V5I4567** |
| | **2) 2/8/08 10:13** | | **V5I4593** |
| | **2) 2/8/08 16:24** | | **V5I4614** |

| Compound | Concentration | ≤ CROL | Comments |
|---|---|---|---|

List the samples associated with this method blank.

1) **SSRI-15 (1.5-2)**

2) **None**

3) **SSRI-15 (1.5-2) DL**

# DATA VALIDATION – ORGANICS

## DATA VALIDATION – ORGANICS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

Fraction: VOA, SVOA, Pesticide, PCBs

X. Surrogate Recovery Summary

Were all surrogate recoveries within the contract limits ?

Yes **No**

If No, please note below.

| Sample | Surrogate Compound Outside Recovery Limits | Amount Above Contract Requirement | Comments |
|---|---|---|---|
| **SSRI-15 (1.5-2)** | **Toluene** | **22** | **Rerun as diluted sample - within QC limits.** |

## DATA VALIDATION – ORGANICS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

Fraction: VOA, SVOA, Pesticide, PCBs

XI. Matrix Spike/Matrix Spike Duplication Summary

Sample ID: **None submitted for VOA** Matrix: **soil**

Did the MS/MSD recovery data meet the contract recommended requirements ?

Yes No

If No, please note below.

**Although a site specific MS/MSD was not submitted for VOA, a Lab Control Sample was analyzed for VOA and was within QC limits.**

# DATA VALIDATION – METALS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

I. Holding times

| Sample | Date Received | Date Digested | Date Analyzed | Holding Time Exceeded? |
|---|---|---|---|---|
| SSRI-15 (1.5-2) | 2/7/08 | NA | 2/14/08 and 2/15/08 for Metals and Cyanide | No |
| SSRI-15 (1.5-2) MS | 2/7/08 | NA | 2/14/08 and 2/15/08 for Metals and Cyanide | No |
| SSRI-15 (1.5-2) MSD | 2/7/08 | NA | 2/14/08 and 2/15/08 for Metals and Cyanide | No |
| BD-2 | 2/7/08 | NA | 2/14/08 and 2/15/08 for Metals and Cyanide | No |

# DATA VALIDATION – METALS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

Associated Samples: _____

II. Initial Calibration

1. Were all initial instrument calibrations performed?

   Yes No

   Comments:

_____

_____

_____

2. Were the initial calibration verification standards analyzed at the contract specified frequency?

   Yes No

   Comments:

_____

_____

_____

3. Were the initial calibration results within the control limits listed below?

   For tin and mercury: 80-120% of the true value
   For all other metals: 90-110% of the true value

   Yes No

   If "No", note analytes _____

# DATA VALIDATION – METALS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

Associated Samples: _____

III. Continuing Calibration

1. Were the continuing calibration verification standards analyzed at the contract specified frequency?

   Yes No

   Comments:

_____

_____

_____

2. Were the continuing calibration results within the control limits listed below?

   For tin and mercury: 80-120% of the true value
   For all other metals: 90-110% of the true value

   Yes No

   If "No", note analytes _____

# DATA VALIDATION – METALS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

IV. Blank Summary

A. Method Blanks

1. Was a method blank prepared and analyzed at the contract specified frequency?

Yes No

2. Were all the analytes below the CRDL in the method blank?

Yes No

Comments:

B. Calibration Blanks

1. Were all initial and continuing calibration blanks analyzed at the contract specified frequency/

Yes No

2. Were all the analytes below the CRDL in all the calibration blanks?

Yes No

Comments:

# DATA VALIDATION – METALS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

V. Duplicate Analysis

1. Was a duplicate prepared and analyzed at the contract specified frequency?

   Yes No

   Comments:

2. Were control limits for the relative percent differences (RPD) met for each analyte?

   Yes No

   Comments:

For sample values >5 times the CRDL, the RPD control limit is ±20%.

For sample values ≤ 5 times the CRDL, the RPD control limit is ±CRDL.

If sample results were outside of the control limits, all data associated with that duplicate sample should have been flagged with a "*".

# DATA VALIDATION – METALS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

VI. Matrix Spike Analysis

1. Was a matrix spike prepared and analyzed at the contract specified frequency?

   Yes No

   Comments:

2. Were the matrix spike recoveries within the contract specified control limits (75-125%)?

   Yes No

   If "No", note analytes _____

   Data should have been flagged with "N" for analytes out of control limits. If the sample concentration exceeds the spike concentration by a factor of four or more, no flag is required.

## DATA VALIDATION – METALS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

VII. ICP Interference Check Sample Summary

1. Was the ICP serial dilution analyzed at the contract specified frequency?

   Yes No

   Comments:

2. Were the serial dilution differences within the contract specified limits of ±w 10%?

   Yes No

   Comments:

3. Was the ICP CRDL check standard analyzed at the contract specified frequency for the analytes required?

   Yes No

   Comments:

## DATA VALIDATION – METALS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

VII. ICP Interference Check Sample Summary (continued):

4. Was the ICP interference check sample analyzed at the contract specified frequency:

   Yes No

   Comments:

5. Were the ICP interference check sample results within the control limit of ± 20% of the mean value?

   Yes No

   If "No", not analytes

## DATA VALIDATION – METALS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

VIII. Laboratory Control Sample Analysis

1. Was a laboratory control sample analyzed at the contract required frequency?

   Yes No

   Comments:

2. Were the percent recoveries within the control limits of 80-120% (except for Ag and Sb) for each analyte?

   Yes No

   Comments:

# DATA VALIDATION – ORGANICS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

I. Data Deliverable Requirements

| | | |
|---|---|---|
| A. Legible | **Yes** | No |
| B. Paginated | **Yes** | No |
| C. Arranged in order | **Yes** | No |
| D. Consistent dates | **Yes** | No |
| E. Case Narrative | **Yes** | No |
| F. Chain-of-Custody Record | **Yes** | No |
| G. Sample Data Complete | **Yes** | No |
| H. Standard Date Complete | **Yes** | No |
| I. Raw QC Data Complete | **Yes** | No |

Comments: **SDG G0224**

**17 soil samples, 1 blind duplicate sample, 1 matrix spike sample and 1 matrix spike duplicate sample analyzed for VOA.**

**19 soil samples, 1 blind duplicate sample, 1 matrix spike sample and 1 matrix spike duplicate sample analyzed for SVOA, Pesticides, PCBs, Metals, and Cyanide.**

**SSRI-7(2-4) was the MS/MSD for Pesticides and PCBs.**

**SSRI-7 (8-10) was the MS/MSD for VOA, SVOA, Metals and Cyanide.**

**SDG has surrogates and internal standards outside QC limits.**

**Samples reanalyzed.**

**SBRI-2(2-4) Form I does not match raw data for 2-hexanone.**

**Methylene chloride detected in method blank associated with reanalyzed samples.**

VHBLK1Y (ID:V1J4394) on 2/27/08 (not method blank) contained 4JB methylene chloride

## DATA VALIDATION – ORGANICS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

II. Holding Times

| Sample I.D. | Date Received | Date Extracted | Date Analyzed | Holding Time Exceeded? |
|---|---|---|---|---|
| SSRI-1 (2-4) | 2/21/08 | 2/22/08 | 2/25/08 for VOA; 2/28/08 for SVOA; 2/28/08 for Pesticides and PCBs | No |
| SSRI-1 (8-10) | 2/21/08 | 2/22/08 | 2/25/08 for VOA; 2/28/08 for SVOA; 2/28/08 for Pesticides and PCBs | No |
| SSRI-2 (2-4) | 2/21/08 | 2/22/08 | 2/25/08 for VOA; 3/5/08 for SVOA; 2/28/08 for Pesticides and PCBs | No |
| SSRI-2 (9-11) | 2/21/08 | 2/22/08 | 2/25/08 and 2/29/08 for VOA; 2/28/08 for SVOA; 2/28/08 for Pesticides and PCBs | No |

| | | | | |
|---|---|---|---|---|
| SSRI-3 (2-4) | 2/21/08 | 2/22/08 | 2/25/08 for VOA;<br>2/28/08 for SVOA;<br>2/28/08 for Pesticides and PCBs | No |
| SSRI-4 (2-4) | 2/21/08 | 2/22/08 | 2/25/08 for VOA;<br>2/28/08 for SVOA;<br>2/28/08 for Pesticides and PCBs | No |
| SSRI-4 (8-10) | 2/21/08 | 2/22/08 | 2/25/08 for VOA;<br>2/28/08 for SVOA;<br>2/28/08 for Pesticides and PCBs | No |
| SSRI-5 (2-4) | 2/21/08 | 2/22/08 | 2/26/08 for VOA;<br>2/28/08 for SVOA;<br>2/28/08 for Pesticides and PCBs | No |
| SSRI-5 (8-10) | 2/21/08 | 2/22/08 | 2/26/08 for VOA;<br>2/28/08 for SVOA;<br>2/29/08 for Pesticides and PCBs | No |
| SSRI-3 (7-9) | 2/21/08 | 2/22/08 | 2/26/08 for VOA;<br>2/28/08 for SVOA;<br>2/29/08 for | No |

| | | | | |
|---|---|---|---|---|
| | | | Pesticides and PCBs | |
| SSRI-16 (4-6) | 2/21/08 | 2/22/08 | 2/26/08 for VOA; 2/28/08 for SVOA; 2/29/08 for Pesticides and PCBs | No |
| SSRI-16 (8-10) | 2/21/08 | 2/22/08 | 2/26/08 for VOA; 2/28/08 for SVOA; 2/29/08 for Pesticides and PCBs | No |
| SBRI-DUP1 | 2/21/08 | 2/22/08 | 2/25/08 for VOA; 2/28/08 for SVOA; x for Pesticides and PCBs | No |
| SSRI-17 (2-4) | 2/23/08 | 2/26/08 | 2/26/08 for VOA; 3/6/08 for SVOA; 2/29/08 for Pesticides and PCBs | No |
| SSRI-17 (2-4) MS | 2/23/08 | 2/26/08 | 2/29/08 for Pesticides and PCBs | No |
| SSRI-17 (2-4) MSD | 2/23/08 | 2/26/08 | 2/29/08 for Pesticides and PCBs | No |
| SSRI-17 (8-10) | 2/23/08 | 2/26/08 | 2/26/08 for VOA; 3/5/08 for SVOA; 2/29/08 for Pesticides and | No |

| | | | | |
|---|---|---|---|---|
| | | | PCBs | |
| SSRI-17 (8-10) MS | 2/23/08 | 2/26/08 | 2/26/08 for VOA; 3/5/08 for SVOA | No |
| SSRI-17 (8-10) MSD | 2/23/08 | 2/26/08 | 2/26/08 for VOA; 3/5/08 for SVOA | No |
| SSRI-8 (6-8) | 2/23/08 | 2/26/08 | 2/26/08 for VOA; 3/5/08 for SVOA; 2/29/08 for Pesticides and PCBs | No |
| SSRI-8 (8-10) | 2/23/08 | 2/26/08 | 2/26/08 for VOA; 3/6/08 for SVOA; 2/29/08 for Pesticides and PCBs | No |
| SSRI-11 (0.5-1) | 2/23/08 | 2/26/08 | 3/6/08 for SVOA; 2/29/08 for Pesticides and PCBs | No |
| SSRI-11 (1.5-2) | 2/23/08 | 2/26/08 | 2/26/08 for VOA; 3/6/08 for SVOA; 2/29/08 for Pesticides and PCBs | No |
| SSRI-16 (0-0.1) | 2/23/08 | 2/26/08 | 3/6/08 for SVOA; 2/29/08 for Pesticides and PCBs | No |

## DATA VALIDATION – ORGANICS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

Fraction: VOA, SVOA, Pesticide, PCBs

III. Tune Summary

| Tune File I.D. Number | Acceptable ? | Comments |
|---|---|---|
| **1. V1J4320** | **Yes** | **Initial & samples** |
| **2. V1J4350** | **Yes** | **Samples** |
| **3. V1J4377** | **Yes** | |
| **4. V5I4175** | **Yes** | **Initial** |
| **5. V5I5070** | **Yes** | |
| 6. | | |
| 7. | | |
| 8. | | |
| 9. | | |
| 10. | | |

## DATA VALIDATION – ORGANICS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

Fraction: VOA, SVOA, Pesticide, PCBs

IV. Initial Calibration Summary (GC/MS)

Date of Calibration: **1/24/08 & 2/25/08**

A. Standard Data Files

| | | | |
|---|---|---|---|
| Standard 1 ID: | **V5I4178 & V1J4323** | Conc: | **10** |
| Standard 2 ID: | **V5I4177 & V1J4322** | Conc: | **20** |
| Standard 3 ID: | **V5I4176 & V1J4321** | Conc: | **50** |
| Standard 4 ID: | **V5I4181 & V1J4325** | Conc: | **100** |
| Standard 5 ID: | **V5I4180 & V1J4324** | Conc: | **200** |

B. 1. All SPCC met Criteria ?

**Yes** No

2. Calculate a SPCC average RRF

Comments:

**DATA VALIDATION – ORGANICS**

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

Fraction: VOA, SVOA, Pesticide, PCBs Date of Calibration: **1/24/08 & 2/25/08**

IV. Initial Calibration Summary (continued)

2. All CCC met Criteria ?

**Yes** No

Comments: _____

_____

Calculate a CCC % RSD

C. 1. Was the tune for the initial calibration acceptable ?

**Yes** No

2. Was the calibration conducted within 12 hours of the tune

**Yes** No

Comments: _____

_____

_____

D. Overall assessment of the initial calibration:
(list the associated samples)

**OK. Associated samples: SBRI-1(2-4), SBRI-1 (8-10), SBRI-2(2-4), SBRI-2(9-11), SBRI-3(2-4), SBRI-3(7-9), SBRI-4(2-4). SBRI-4(8-10), SBRI-5(2-4), SBRI-5(8-10), SBRI-6(4-6), SBRI-6(8-10), SBRI-7(2-4). SBRI-7(8-10), SBRI-8(6-8), SBRI-8(8-10), SSRI-11(1.5-2), SBRI-DUP1.**

## DATA VALIDATION – ORGANICS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

Fraction: VOA, SVOA, Pesticide, PCBs

VI. Continuing Calibration Summary (GC/MS)

Date of Initial Calibration: **1/24/08 & 2/25/08**

| | | | |
|---|---|---|---|
| Date of Continuing Calibration: | **2/25/08** | File ID: | **V1J4321** |
| | **2/26/08** | | **V1J4351** |
| | **2/26/08** | | **V1J4378** |
| | **2/29/08** | | **V5I5071** |

A. 1. All SPCC met criteria ?

**Yes** No

Calculate a SPCC RRF

Comments:

2. All CCC met criteria ?

**Yes** No

Calculate a CCC % D

Comments:

B. Overall assessment of Continuing Calibration
(list associated samples)

**OK. Associated samples: SBRI-1(2-4), SBRI-1 (8-10), SBRI-2(2-4), SBRI-2(9-11), SBRI-3(2-4), SBRI-3(7-9), SBRI-4(2-4). SBRI-4(8-10), SBRI-5(2-4), SBRI-5(8-10), SBRI-6(4-6), SBRI-6(8-10), SBRI-7(2-4). SBRI-7(8-10), SBRI-8(6-8), SBRI-8(8-10), SSRI-11(1.5-2), SBRI-DUP1.**

## DATA VALIDATION – ORGANICS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

Fraction: VOA, SVOA, Pesticide, PCBs

VIII. Internal Standard Area Summary (GC/MS)

Were all internal standard peak areas within the contract limits ?

Yes **No**

If No, please note below

| Sample | Internal Standard Outside Limits | Amount Above Contract Requirement | Comments |
|---|---|---|---|
| **SBRI-2 (2-4)** | **1,4 difluorobenzene**<br>**chlorobenzene** | **-208,109 (below limit),**<br>**-453,460 (below limit)** | **Rerun as diluted sample – 1,4 difluorobenzene and chlorobenzene outside QC limits. Matrix interference confirmed.** |
| **SBRI-2(9-11)** | **bromochloromethane**<br>**1,4 difluorobenzene**<br>**chlorobenzene** | **-9,105 (below limit),**<br>**-120,866 (below limit),**<br>**-431,608 (below limit)** | **Rerun as diluted sample – within QC limits.** |
| **SBRI-3(2-4)** | **bromochloromethane**<br>**1,4 difluorobenzene**<br>**chlorobenzene** | **-13,746 (below limit),**<br>**-44,986 (below limit),**<br>**-49,747 (below limit)** | **Rerun as diluted sample – bromochloromethane, 1,4 difluorobenzene and chlorobenzene outside QC limits. Matrix interference confirmed.** |

| | | | |
|---|---|---|---|
| **SBRI-4(2-4)** | **chlorobenzene** | **-100,208 (below limit)** | **Rerun as diluted sample – bromochloromethane, 1,4 difluorobenzene and chlorobenzene outside QC limits. Matrix interference confirmed.** |
| **SBRI-4(8-10)** | **chlorobenzene** | **-106,689 (below limit)** | **Rerun as diluted sample – bromochloromethane, 1,4 difluorobenzene and chlorobenzene outside QC limits. Matrix interference confirmed.** |
| **SBRI-DUP1** | **chlorobenzene** | **-39,454 (below limit)** | **Rerun as diluted sample – chlorobenzene outside QC limits. Matrix interference confirmed.** |
| **SSRI-11(1.5-2)** | **chlorobenzene** | **-174,023 (below limit)** | **Rerun as diluted sample – bromochloromethane, 1,4 difluorobenzene and chlorobenzene outside QC limits. Matrix interference confirmed.** |

## DATA VALIDATION – ORGANICS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

Fraction: VOA, SVOA, Pesticide, PCBs

IX. Blank Summary

| | | |
|---|---|---|
| Date/Time of Analysis: | **1) 2/25/08 13:43** | File ID: VIJ4326 |
| | **2) 2/26/08 10:57** | **V1J4352** |
| | **3) 2/26/08 23:59** | **V1J4380** |
| | **4) 2/29/08 12:19** | **V5I5073** |

| Compound | Concentration | ≤ CROL | Comments |
|---|---|---|---|
| **methylene chloride** | **4J** | **10** | **Blank 3 – Associated with reanalyzed samples.** |

List the samples associated with this method blank.

**1) SBRI-1(2-4), SBRI-1 (8-10), SBRI-2(2-4), SBRI-2(9-11), SBRI-3(2-4), SBRI-4(2-4), SBRI-4(8-10), SBRI-DUP1.**

**2) SBRI-7(2-4), SBRI-7(8-10), SBRI-8(6-8), SBRI-8(8-10), SSRI-5(2-4), SSRI-5(8-10), SSRI-6(4-6), SSRI-6(8-10), SSRI-3(7-9), SSRI-11(1.5-2).**

**3) None**

**4) None**

## DATA VALIDATION – ORGANICS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

Fraction: VOA, SVOA, Pesticide, PCBs

X. Surrogate Recovery Summary

Were all surrogate recoveries within the contract limits ?

Yes **No**

If No, please note below.

| Sample | Surrogate Compound Outside Recovery Limits | Amount Above Contract Requirement | Comments |
|---|---|---|---|
| **SBRI-2 (2-4)** | **Toluene, Bromofluorobenzene** | **18, 281** | **Rerun as diluted sample – toluene within QC limits, bromofluorobenzene outside QC limits.** |
| **SBRI-2 (9-11)** | **Toluene, Bromofluorobenzene, 1,2-Dichloroethane** | **61, -7 (below limit), 7** | **Rerun as diluted sample - within QC limits.** |
| **SBRI-3 (2-4)** | **1,2-Dichloroethane** | **6** | **Rerun as diluted sample - within QC limits.** |
| **SBRI-4 (2-4)** | **1,2-Dichloroethane** | **7** | **Rerun as diluted sample - bromofluorobenzene outside QC limits.** |
| **SBRI-4 (8-10)** | **1,2-Dichloroethane** | **5** | **Rerun as diluted sample - within QC limits.** |
| **SBRI-DUP1** | **1,2-Dichloroethane** | **13** | **Rerun as diluted sample - within QC limits.** |
| **SSRI-11 (1.5-2)** | **Toluene** | **5** | **Rerun as diluted sample – toluene and 1,2-Dichloroethane outside QC limits.** |

## DATA VALIDATION – ORGANICS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

Fraction: VOA, SVOA, Pesticide, PCBs

XI. Matrix Spike/Matrix Spike Duplication Summary

Sample ID: **SBRI-7(8-10)** Matrix: **soil**

Did the MS/MSD recovery data meet the contract recommended requirements ?

**Yes** No

If No, please note below.

**Lab Control Samples also analyzed for VOA and was within QC limits.**

# DATA VALIDATION – METALS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

I. Holding times

| Sample | Date Received | Date Digested | Date Analyzed | Holding Time Exceeded? |
|---|---|---|---|---|
| SSRI-1 (2-4) | 2/21/08 | NA | 2/27/08 and 2/28/08 for Metals and Cyanide | No |
| SSRI-1 (8-10) | 2/21/08 | NA | 2/27/08 and 2/28/08 for Metals and Cyanide | No |
| SSRI-2 (2-4) | 2/21/08 | NA | 2/27/08 and 2/28/08 for Metals and Cyanide | No |
| SSRI-2 (9-11) | 2/21/08 | NA | 2/27/08 and 2/28/08 for Metals and Cyanide | No |
| SSRI-3 (2-4) | 2/21/08 | NA | 2/27/08 and 2/28/08 for Metals and Cyanide | No |
| SSRI-4 (2-4) | 2/21/08 | NA | 2/27/08 and 2/28/08 for Metals and Cyanide | No |
| SSRI-4 (8-10) | 2/21/08 | NA | 2/27/08 and 2/28/08 for Metals and Cyanide | No |
| SSRI-5 (2-4) | 2/21/08 | NA | 2/27/08 and 2/28/08 for Metals and Cyanide | No |
| SSRI-5 (8-10) | 2/21/08 | NA | 2/27/08 and 2/28/08 for Metals and Cyanide | No |

| | | | | |
|---|---|---|---|---|
| SSRI-3 (7-9) | 2/21/08 | NA | 2/27/08 and 2/28/08 for Metals and Cyanide | No |
| SSRI-16 (4-6) | 2/21/08 | NA | 2/27/08 and 2/28/08 for Metals and Cyanide | No |
| SSRI-16 (8-10) | 2/21/08 | NA | 2/27/08 and 2/28/08 for Metals and Cyanide | No |
| SBRI-DUP1 | 2/21/08 | NA | 2/27/08 and 2/28/08 for Metals and Cyanide | No |
| SSRI-17 (2-4) | 2/23/08 | NA | 2/27/08 and 2/29/08 for Metals and Cyanide | No |
| SSRI-17 (8-10) | 2/23/08 | NA | 2/27/08 and 3/4/08 for Metals and Cyanide | No |
| SSRI-17 (8-10) MS | 2/23/08 | NA | 2/27/08 and 3/4/08 for Metals and Cyanide | No |
| SSRI-17 (8-10) MSD | 2/23/08 | NA | 2/27/08 and 3/4/08 for Metals and Cyanide | No |
| SSRI-8 (6-8) | 2/23/08 | NA | 2/27/08 and 2/29/08 for Metals and Cyanide | No |
| SSRI-8 (8-10) | 2/23/08 | NA | 2/27/08 and 2/29/08 for Metals and Cyanide | No |
| SSRI-11 (0.5-1) | 2/23/08 | NA | 2/27/08 and 2/29/08 for Metals and Cyanide | No |
| SSRI-11 (1.5-2) | 2/23/08 | NA | 2/27/08 and 2/29/08 for Metals and Cyanide | No |
| SSRI-16 (0-0.1) | 2/23/08 | NA | 2/27/08 and 2/29/08 for Metals and Cyanide | No |

# DATA VALIDATION – METALS

# DATA VALIDATION – METALS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

Associated Samples: _____

II. Initial Calibration

1. Were all initial instrument calibrations performed?

   Yes No

   Comments:

2. Were the initial calibration verification standards analyzed at the contract specified frequency?

   Yes No

   Comments:

3. Were the initial calibration results within the control limits listed below?

   For tin and mercury: 80-120% of the true value
   For all other metals: 90-110% of the true value

   Yes No

   If "No", note analytes _____

# DATA VALIDATION – METALS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

Associated Samples: _____

III. Continuing Calibration

1. Were the continuing calibration verification standards analyzed at the contract specified frequency?

   Yes No

   Comments:

_____

_____

_____

2. Were the continuing calibration results within the control limits listed below?

   For tin and mercury: 80-120% of the true value
   For all other metals: 90-110% of the true value

   Yes No

   If "No", note analytes _____

# DATA VALIDATION – METALS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

IV. Blank Summary

A. Method Blanks

1. Was a method blank prepared and analyzed at the contract specified frequency?

Yes No

2. Were all the analytes below the CRDL in the method blank?

Yes No

Comments:

B. Calibration Blanks

1. Were all initial and continuing calibration blanks analyzed at the contract specified frequency/

Yes No

2. Were all the analytes below the CRDL in all the calibration blanks?

Yes No

Comments:

## DATA VALIDATION – METALS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

V. Duplicate Analysis

1. Was a duplicate prepared and analyzed at the contract specified frequency?

   Yes No

   Comments:

2. Were control limits for the relative percent differences (RPD) met for each analyte?

   Yes No

   Comments:

For sample values >5 times the CRDL, the RPD control limit is ±20%.

For sample values ≤ 5 times the CRDL, the RPD control limit is ±CRDL.

If sample results were outside of the control limits, all data associated with that duplicate sample should have been flagged with a "*".

# DATA VALIDATION – METALS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

VI. Matrix Spike Analysis

1. Was a matrix spike prepared and analyzed at the contract specified frequency?

   Yes No

   Comments:

2. Were the matrix spike recoveries within the contract specified control limits (75-125%)?

   Yes No

   If "No", note analytes _____

   Data should have been flagged with "N" for analytes out of control limits. If the sample concentration exceeds the spike concentration by a factor of four or more, no flag is required.

## DATA VALIDATION – METALS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

VII. ICP Interference Check Sample Summary

1. Was the ICP serial dilution analyzed at the contract specified frequency?

   Yes No

   Comments:

2. Were the serial dilution differences within the contract specified limits of ±w 10%?

   Yes No

   Comments:

3. Was the ICP CRDL check standard analyzed at the contract specified frequency for the analytes required?

   Yes No

   Comments:

## DATA VALIDATION – METALS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

VII. ICP Interference Check Sample Summary (continued):

4. Was the ICP interference check sample analyzed at the contract specified frequency:

Yes No

Comments:

5. Were the ICP interference check sample results within the control limit of ± 20% of the mean value?

Yes No

If "No", not analytes

## DATA VALIDATION – METALS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

VIII. Laboratory Control Sample Analysis

1. Was a laboratory control sample analyzed at the contract required frequency?

   Yes No

   Comments:

2. Were the percent recoveries within the control limits of 80-120% (except for Ag and Sb) for each analyte?

   Yes No

   Comments:

# DATA VALIDATION – ORGANICS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

I. Data Deliverable Requirements

| | | |
|---|---|---|
| A. Legible | **Yes** | No |
| B. Paginated | **Yes** | No |
| C. Arranged in order | **Yes** | No |
| D. Consistent dates | **Yes** | No |
| E. Case Narrative | **Yes** | No |
| F. Chain-of-Custody Record | **Yes** | No |
| G. Sample Data Complete | **Yes** | No |
| H. Standard Date Complete | **Yes** | No |
| I. Raw QC Data Complete | **Yes** | No |

Comments: **SDG G0235**

**6 soil samples, 1 blind duplicate sample, 1 matrix spike sample and 1 matrix spike duplicate sample analyzed for VOA.**

**17 soil samples, 1 blind duplicate sample, 1 matrix spike sample and 1 matrix spike duplicate sample analyzed for SVOA, Pesticides, PCBs, Metals, and Cyanide.**

**SSRI-17(1.5-2) was the MS/MSD for VOA, Pesticides and PCBs.**

**SSRI-10 (0-0.1) was the MS/MSD for SVOA, Metals and Cyanide.**

**SDG has surrogates and internal standards outside QC limits.**

**Samples reanalyzed.**

**Methylene chloride detected in method blank, associated samples qualified B.**

## DATA VALIDATION – ORGANICS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

II. Holding Times

| Sample I.D. | Date Received | Date Extracted | Date Analyzed | Holding Time Exceeded? |
|---|---|---|---|---|
| SSRI-16 (0.5-1) | 2/23/08 | 2/27/08 | 3/6/08 and 3/7/08 for SVOA; 2/29/08 for Pesticides and PCBs | No |
| SSRI-16 (1.5-2) | 2/23/08 | 2/27/08 | 3/1/08 and 3/3/08 for VOA; 3/6/08 for SVOA; 3/1/08 for Pesticides and PCBs | No |
| SSRI-18 (0-0.1) | 2/23/08 | 2/27/08 | 3/6/08 for SVOA; 3/1/08 for Pesticides and PCBs | No |
| SSRI-18 (0.5-1) | 2/23/08 | 2/27/08 | 3/6/08 for SVOA; 3/1/08 and 3/4/08 for Pesticides and PCBs | No |
| SSRI-18 (1.5-2) | 2/23/08 | 2/27/08 | 2/27/08 and 3/3/08 for VOA; 3/10/08 for SVOA; | No |

| | | | | |
|---|---|---|---|---|
| | | | 3/1/08 for Pesticides and PCBs | |
| SSRI-19 (0-0.1) | 2/23/08 | 2/27/08 | 3/6/08 for SVOA;<br>3/1/08 for Pesticides and PCBs | No |
| SSRI-19 (0.5-1) | 2/23/08 | 2/27/08 | 3/6/08 for SVOA;<br>3/1/08 for Pesticides and PCBs | No |
| SSRI-19 (1.5-2) | 2/23/08 | 2/27/08 | 2/27/08 for VOA;<br>3/6/08 and 3/7/08 for SVOA;<br>3/1/08 for Pesticides and PCBs | No |
| SSRI-20 (0-0.1) | 2/23/08 | 2/27/08 | 3/6/08 for SVOA;<br>3/1/08 for Pesticides and PCBs | No |
| SSRI-20 (0.5-1) | 2/23/08 | 2/27/08 | 3/7/08 for SVOA;<br>3/1/08 for Pesticides and PCBs | No |
| SSRI-20 (1.5-2) | 2/23/08 | 2/27/08 | 2/27/08 for VOA;<br>3/7/08 and 3/11/08 for SVOA;<br>3/1/08 and 3/4/08 for Pesticides and PCBs | No |
| SSRI-17 | 2/23/08 | 2/27/08 | 3/7/08 for | No |

| | | | | |
|---|---|---|---|---|
| (0-0.1) | | | SVOA;<br>3/1/08 for Pesticides and PCBs | |
| SSRI-17<br>(0.5-1) | 2/23/08 | 2/27/08 | 3/7/08 for SVOA;<br>3/1/08 and 3/4/08 for Pesticides and PCBs | No |
| SSRI-17<br>(1.5-2) | 2/23/08 | 2/27/08 | 2/27/08 for VOA;<br>3/7/08 and 3/10/08 for SVOA;<br>3/1/08 and 3/4/08 for Pesticides and PCBs | No |
| SSRI-17<br>(1.5-2) MS | 2/23/08 | 2/27/08 | 2/27/08 for VOA;<br>3/1/08 for Pesticides and PCBs | No |
| SSRI-17<br>(1.5-2) MSD | 2/23/08 | 2/27/08 | 2/27/08 for VOA;<br>3/1/08 for Pesticides and PCBs | No |
| SSRI-10<br>(0-0.1) | 2/23/08 | 2/27/08 | 3/6/08 and 3/7/08 for SVOA;<br>3/2/08 for Pesticides and PCBs | No |
| SSRI-10<br>(0-0.1) MS | 2/23/08 | 2/27/08 | 3/6/08 for SVOA | No |
| SSRI-10<br>(0-0.1) MSD | 2/23/08 | 2/27/08 | 3/6/08 for SVOA | No |
| SSRI-10 | 2/23/08 | 2/27/08 | 3/10/08 for | No |

| | | | | |
|---|---|---|---|---|
| (0.5-1) | | | SVOA;<br>3/2/08 for Pesticides and PCBs | |
| SSRI-10<br>(1.5-2) | 2/23/08 | 2/27/08 | 2/27/08 for VOA;<br>3/7/08 and 3/10/08 for SVOA;<br>3/2/08 for Pesticides and PCBs | No |
| DUP-2 | 2/23/08 | 2/27/08 | 2/27/08 for VOA;<br>3/7/08 and 3/10/08 for SVOA;<br>3/2/08 for Pesticides and PCBs | No |

## DATA VALIDATION – ORGANICS

Site Name: McKinney Property  Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella  Date of Review: 1/21/09

Fraction: VOA, SVOA, Pesticide, PCBs

III. Tune Summary

| Tune File I.D. Number | Acceptable ? | Comments |
|---|---|---|
| **1. V1J4320** | **Yes** | **Initial** |
| **2. V1J4377** | **Yes** | **Samples** |
| **3. V1J4517** | **Yes** | **Samples** |
| **4. V1J4540** | **Yes** | **Samples** |
| 5. | | |
| 6. | | |
| 7. | | |
| 8. | | |
| 9. | | |
| 10. | | |

## DATA VALIDATION – ORGANICS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

Fraction: VOA, SVOA, Pesticide, PCBs

IV. Initial Calibration Summary (GC/MS)

Date of Calibration: **2/25/08**

A. Standard Data Files

| | | | |
|---|---|---|---|
| Standard 1 ID: | **V1J4323** | Conc: | **10** |
| Standard 2 ID: | **V1J4322** | Conc: | **20** |
| Standard 3 ID: | **V1J4321** | Conc: | **50** |
| Standard 4 ID: | **V1J4325** | Conc: | **100** |
| Standard 5 ID: | **V1J4324** | Conc: | **200** |

B. 1. All SPCC met Criteria ?

**Yes** No

2. Calculate a SPCC average RRF

Comments:

**DATA VALIDATION – ORGANICS**

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

Fraction: VOA, SVOA, Pesticide, PCBs Date of Calibration: **2/25/08**

IV. Initial Calibration Summary (continued)

2. All CCC met Criteria ?

**Yes** No

Comments:

Calculate a CCC % RSD

C. 1. Was the tune for the initial calibration acceptable ?

**Yes** No

2. Was the calibration conducted within 12 hours of the tune

**Yes** No

Comments:

D. Overall assessment of the initial calibration:
(list the associated samples)

**OK. Associated samples:SSRI-10(1.5-2), SSRI-16 (1.5-2), SSRI-16 (1.5-2) DL, SSRI-17 (1.5-2), SSRI-18(1.5-2), SSRI-18 (1.5-2) DL, SSRI-19(1.5-2), SSRI-20 (1.5-2), DUP-2.**

## DATA VALIDATION – ORGANICS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

Fraction: VOA, SVOA, Pesticide, PCBs

VI. Continuing Calibration Summary (GC/MS)

Date of Initial Calibration: **2/25/08**

Date of Continuing Calibration: **2/26/08** File ID: **V1J4378**

**2/29/08** **V1J4519**

**3/3/08** **V1J4541**

A. 1. All SPCC met criteria ?

**Yes** No

Calculate a SPCC RRF

Comments:

2. All CCC met criteria ?

**Yes** No

Calculate a CCC % D

Comments:

B. Overall assessment of Continuing Calibration
(list associated samples)

**OK. Associated samples:SSRI-10(1.5-2), SSRI-16 (1.5-2), SSRI-16 (1.5-2) DL, SSRI-17 (1.5-2), SSRI-18(1.5-2), SSRI-18 (1.5-2) DL, SSRI-19(1.5-2), SSRI-20 (1.5-2), DUP-2.**

**DATA VALIDATION – ORGANICS**

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

Fraction: VOA, SVOA, Pesticide, PCBs

VIII. Internal Standard Area Summary (GC/MS)

Were all internal standard peak areas within the contract limits ?

Yes **No**

If No, please note below

| Sample | Internal Standard Outside Limits | Amount Above Contract Requirement | Comments |
|---|---|---|---|
| **SBRI-18 (1.5-2)** | **bromochloromethane**<br>**1,4 difluorobenzene**<br>**chlorobenzene** | **-42,105 (below limit),**<br>**-403,632 (below limit),**<br>**-510,666 (below limit)** | **Rerun as diluted sample – chlorobenzene outside QC limits. Matrix interference confirmed.** |
| **SBRI-19 (1.5-2)** | **bromochloromethane**<br>**1,4 difluorobenzene**<br>**chlorobenzene** | **-24,975 (below limit),**<br>**-262,496 (below limit),**<br>**-469,821 (below limit)** | **Rerun sample– bromochloromethane , 1,4 difluorobenzene & chlorobenzene outside QC limits. Matrix interference confirmed.** |
| **SBRI-20 (1.5-2)** | **1,4 difluorobenzene**<br>**chlorobenzene** | **-109,722 (below limit),**<br>**-351,075 (below limit)** | **Rerun sample – 1,4 difluorobenzene & chlorobenzene outside QC limits. Matrix interference confirmed** |
| **SBRI-10 (1.5-2)** | **bromochloromethane**<br>**1,4 difluorobenzene**<br>**chlorobenzene** | **-127,285 (below limit),**<br>**-729,851 (below limit),**<br>**-619,347 (below limit)** | **Rerun sample – 1,4 difluorobenzene & chlorobenzene outside QC limits. Matrix interference confirmed** |

## DATA VALIDATION – ORGANICS

| | | | |
|---|---|---|---|
| **DUP-2** | **1,4 difluorobenzene**<br>**chlorobenzene** | **-180,932 (below limit),**<br>**-414,429 (below limit)** | **Rerun sample – bromochloromethane, 1,4 difluorobenzene & chlorobenzene outside QC limits. Matrix interference confirmed** |
| **SBRI-16 (1.5-2)** | **bromochloromethane**<br>**1,4 difluorobenzene**<br>**chlorobenzene** | **-42,272 (below limit),**<br>**-398,843 (below limit),**<br>**-491,299 (below limit)** | **Rerun as diluted sample – bromochloromethane, 1,4 difluorobenzene & chlorobenzene outside QC limits. Matrix interference confirmed** |
| **SBRI-17 (1.5-2)** | **bromochloromethane**<br>**1,4 difluorobenzene**<br>**chlorobenzene** | **-42,219 (below limit),**<br>**-350,702 (below limit),**<br>**-483,921 (below limit)** | **Rerun sample – bromochloromethane, 1,4 difluorobenzene & chlorobenzene outside QC limits. Matrix interference confirmed** |

## DATA VALIDATION – ORGANICS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

Fraction: VOA, SVOA, Pesticide, PCBs

IX. Blank Summary

| | | | |
|---|---|---|---|
| Date/Time of Analysis: | **2/29/08 21:17** | File ID: | **V1J4521** |
| | **3/3/08 12:15** | | **V1J4542** |
| | **2/26/08 23:59** | | **V1J4380** |

| Compound | Concentration | ≤ CROL | Comments |
|---|---|---|---|
| **methylene chloride** | **4J** | **10** | **Blank 3 – Associated samples qualified B.** |

List the samples associated with this method blank.

**1) SSRI-16 (1.5-2)**

**2) SSRI-16 (1.5-2) DL, SSRI-18 (1.5-2) DL**

**3) SSRI-18(1.5-2), SSRI-19(1.5-2), SSRI-20 (1.5-2), SSRI-10(1.5-2), SSRI-17 (1.5-2), DUP-2.**

## DATA VALIDATION – ORGANICS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

Fraction: VOA, SVOA, Pesticide, PCBs

X. Surrogate Recovery Summary

Were all surrogate recoveries within the contract limits ?

Yes **No**

If No, please note below.

| Sample | Surrogate Compound Outside Recovery Limits | Amount Above Contract Requirement | Comments |
|---|---|---|---|
| **SSRI-18 (1.5-2)** | **Toluene, 1,2-Dichloroethane** | **31, 16** | **Rerun as diluted sample - within QC limits.** |
| **SSRI-19 (1.5-2)** | **Toluene, 1,2-Dichloroethane** | **62, 15** | **Rerun sample – toluene outside QC limits, 1,2 dichloroethane within QC limits.** |
| **SSRI-20 (1.5-2)** | **Toluene, 1,2-Dichloroethane** | **44, 8** | **Rerun sample – toluene outside QC limits, 1,2 dichloroethane within QC limits.** |
| **SSRI-10 (1.5-2)** | **Toluene, Bromofluorobenzene 1,2-Dichloroethane** | **61, -3 (below limit), 30** | **Rerun sample – toluene and bromoflurobenzene outside QC limits, 1,2 dichloroethane within QC limits..** |
| **DUP-2** | **Toluene, 1,2-Dichloroethane** | **35, 9** | **Rerun sample – toluene outside QC limits, 1,2 dichloroethane within QC limits..** |

| | | | |
|---|---|---|---|
| **SSRI-17** | **Toluene,** | **30,** | **Rerun sample –within QC limits.** |
| **(1.5-2)** | **1,2-Dichloroethane** | **18** | |
| **SSRI-16** | **Toluene** | **17** | **Rerun as diluted sample –within QC limits.** |
| **(1.5-2)** | | | |

## DATA VALIDATION – ORGANICS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

Fraction: VOA, SVOA, Pesticide, PCBs

XI. Matrix Spike/Matrix Spike Duplication Summary

Sample ID: **SSRI-17(1.5-2)** Matrix: **soil**

Did the MS/MSD recovery data meet the contract recommended requirements ?

**Yes** No

If No, please note below.

**Toluene recovery outside QC limits (high) in matrix spike. However, toluene RPD was within QC limits in matrix spike duplicate. Therefore, results not qualified. Lab Control Samples also analyzed for VOA and was within QC limits.**

# DATA VALIDATION – METALS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

I. Holding times

| Sample | Date Received | Date Digested | Date Analyzed | Holding Time Exceeded? |
|---|---|---|---|---|
| SSRI-16 (0.5-1) | 2/23/08 | NA | 2/28/08 and 2/29/08 for Metals and Cyanide | No |
| SSRI-16 (1.5-2) | 2/23/08 | NA | 2/28/08 and 2/29/08 for Metals and Cyanide | No |
| SSRI-18 (0-0.1) | 2/23/08 | NA | 2/28/08 and 2/29/08 for Metals and Cyanide | No |
| SSRI-18 (0.5-1) | 2/23/08 | NA | 2/28/08 and 2/29/08 for Metals and Cyanide | No |
| SSRI-18 (1.5-2) | 2/23/08 | NA | 2/28/08 and 2/29/08 for Metals and Cyanide | No |
| SSRI-19 (0-0.1) | 2/23/08 | NA | 2/28/08 and 2/29/08 for Metals and Cyanide | No |
| SSRI-19 (0.5-1) | 2/23/08 | NA | 2/28/08 and 2/29/08 for Metals and Cyanide | No |
| SSRI-19 (1.5-2) | 2/23/08 | NA | 2/28/08 and 2/29/08 for Metals and Cyanide | No |

| | | | | |
|---|---|---|---|---|
| SSRI-20 (0-0.1) | 2/23/08 | NA | 2/28/08 and 2/29/08 for Metals and Cyanide | No |
| SSRI-20 (0.5-1) | 2/23/08 | NA | 2/28/08 and 2/29/08 for Metals and Cyanide | No |
| SSRI-20 (1.5-2) | 2/23/08 | NA | 2/28/08 and 2/29/08 for Metals and Cyanide | No |
| SSRI-17 (0-0.1) | 2/23/08 | NA | 2/28/08 and 2/29/08 for Metals and Cyanide | No |
| SSRI-17 (0.5-1) | 2/23/08 | NA | 2/28/08 and 2/29/08 for Metals and Cyanide | No |
| SSRI-17 (1.5-2) | 2/23/08 | NA | 2/28/08 and 2/29/08 for Metals and Cyanide | No |
| SSRI-10 (0-0.1) | 2/23/08 | NA | 2/28/08 and 2/29/08 for Metals and Cyanide | No |
| SSRI-10 (0-0.1) MS | 2/23/08 | NA | 2/28/08 and 2/29/08 for Metals and Cyanide | No |
| SSRI-10 (0-0.1) MSD | 2/23/08 | NA | 2/28/08 and 2/29/08 for Metals and Cyanide | No |
| SSRI-10 (0.5-1) | 2/23/08 | NA | 2/28/08 and 2/29/08 for Metals and Cyanide | No |
| SSRI-10 (1.5-2) | 2/23/08 | NA | 2/28/08 and 2/29/08 for Metals and Cyanide | No |

| | | | | |
|---|---|---|---|---|
| DUP-2 | 2/23/08 | NA | 2/28/08 and 2/29/08 for Metals and Cyanide | No |

# DATA VALIDATION – METALS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

Associated Samples: _____

II. Initial Calibration

1. Were all initial instrument calibrations performed?

   Yes No

   Comments:

_____

_____

_____

2. Were the initial calibration verification standards analyzed at the contract specified frequency?

   Yes No

   Comments:

_____

_____

_____

3. Were the initial calibration results within the control limits listed below?

   For tin and mercury: 80-120% of the true value
   For all other metals: 90-110% of the true value

   Yes No

   If "No", note analytes _____

# DATA VALIDATION – METALS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

Associated Samples: _____

III. Continuing Calibration

1. Were the continuing calibration verification standards analyzed at the contract specified frequency?

   Yes No

   Comments:

_____

_____

_____

2. Were the continuing calibration results within the control limits listed below?

   For tin and mercury: 80-120% of the true value
   For all other metals: 90-110% of the true value

   Yes No

   If "No", note analytes _____

# DATA VALIDATION – METALS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

IV. Blank Summary

A. Method Blanks

1. Was a method blank prepared and analyzed at the contract specified frequency?

Yes No

2. Were all the analytes below the CRDL in the method blank?

Yes No

Comments:

B. Calibration Blanks

1. Were all initial and continuing calibration blanks analyzed at the contract specified frequency/

Yes No

2. Were all the analytes below the CRDL in all the calibration blanks?

Yes No

Comments:

## DATA VALIDATION – METALS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

V. Duplicate Analysis

1. Was a duplicate prepared and analyzed at the contract specified frequency?

   Yes No

   Comments:

2. Were control limits for the relative percent differences (RPD) met for each analyte?

   Yes No

   Comments:

For sample values >5 times the CRDL, the RPD control limit is ±20%.

For sample values ≤ 5 times the CRDL, the RPD control limit is ±CRDL.

If sample results were outside of the control limits, all data associated with that duplicate sample should have been flagged with a "*".

# DATA VALIDATION – METALS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

VI. Matrix Spike Analysis

1. Was a matrix spike prepared and analyzed at the contract specified frequency?

   Yes No

   Comments:

2. Were the matrix spike recoveries within the contract specified control limits (75-125%)?

   Yes No

   If "No", note analytes

   Data should have been flagged with "N" for analytes out of control limits. If the sample concentration exceeds the spike concentration by a factor of four or more, no flag is required.

## DATA VALIDATION – METALS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

VII. ICP Interference Check Sample Summary

1. Was the ICP serial dilution analyzed at the contract specified frequency?

   Yes No

   Comments:

2. Were the serial dilution differences within the contract specified limits of ±w 10%?

   Yes No

   Comments:

3. Was the ICP CRDL check standard analyzed at the contract specified frequency for the analytes required?

   Yes No

   Comments:

## DATA VALIDATION – METALS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

VII. ICP Interference Check Sample Summary (continued):

4. Was the ICP interference check sample analyzed at the contract specified frequency:

Yes No

Comments:

5. Were the ICP interference check sample results within the control limit of ± 20% of the mean value?

Yes No

If "No", not analytes

## DATA VALIDATION – METALS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

VIII. Laboratory Control Sample Analysis

1. Was a laboratory control sample analyzed at the contract required frequency?

   Yes No

   Comments:

2. Were the percent recoveries within the control limits of 80-120% (except for Ag and Sb) for each analyte?

   Yes No

   Comments:

# DATA VALIDATION – ORGANICS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

I. Data Deliverable Requirements

| | | |
|---|---|---|
| A. Legible | **Yes** | No |
| B. Paginated | **Yes** | No |
| C. Arranged in order | **Yes** | No |
| D. Consistent dates | **Yes** | No |
| E. Case Narrative | **Yes** | No |
| F. Chain-of-Custody Record | **Yes** | No |
| G. Sample Data Complete | **Yes** | No |
| H. Standard Date Complete | **Yes** | No |
| I. Raw QC Data Complete | **Yes** | No |

Comments: **SDG G0361**

**6 water samples, 1 matrix spike sample, and 1 matrix spike duplicate sample analyzed for VOA, SVOA, Pesticides, PCBs, Metals, and Cyanide. 1 trip blank also analyzed for VOA.**

## DATA VALIDATION – ORGANICS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

II. Holding Times

| Sample I.D. | Date Received | Date Extracted | Date Analyzed | Holding Time Exceeded? |
|---|---|---|---|---|
| MW-1 | 3/21/08 | 3/24/08 | 3/21/08 for VOA;<br>3/31/08 for SVOA;<br>3/25/08 for Pesticides and PCBs | No |
| MW-2 | 3/21/08 | 3/24/08 | 3/21/08 for VOA;<br>3/31/08 for SVOA;<br>3/25/08 for Pesticides and PCBs | No |
| MW-4 | 3/21/08 | 3/24/08 | 3/21/08 for VOA;<br>3/31/08 for SVOA;<br>3/26/08 for Pesticides and PCBs | No |
| MW-4 MS | 3/21/08 | 3/24/08 | 3/21/08 for VOA;<br>3/31/08 for SVOA;<br>3/26/08 for Pesticides and PCBs | No |
| MW-4 MSD | 3/21/08 | 3/24/08 | 3/21/08 for | No |

| | | | | |
|---|---|---|---|---|
| | | | VOA;<br>3/31/08 for SVOA;<br>3/26/08 for Pesticides and PCBs | |
| MW-6 | 3/21/08 | 3/24/08 | 3/21/08 for VOA;<br>3/31/08 for SVOA;<br>3/26/08 for Pesticides and PCBs | No |
| MW-7 | 3/21/08 | 3/24/08 | 3/21/08 for VOA;<br>3/31/08 for SVOA;<br>3/26/08 for Pesticides and PCBs | No |
| Trip Blank | 3/21/08 | NA | 3/21/08 for VOA | No |

## DATA VALIDATION – ORGANICS

Site Name: McKinney Property  Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella  Date of Review: 1/21/09

Fraction: VOA, SVOA, Pesticide, PCBs

III. Tune Summary

| Tune File I.D. Number | Acceptable ? | Comments |
|---|---|---|
| **1. V5I5650.D** | **Yes** | **Samples** |
| 2. | | |
| 3. | | |
| 4. | | |
| 5. | | |
| 6. | | |
| 7. | | |
| 8. | | |
| 9. | | |
| 10. | | |

# DATA VALIDATION – ORGANICS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

Fraction: VOA, SVOA, Pesticide, PCBs

IV. Initial Calibration Summary (GC/MS)

Date of Calibration: **3/12/08**

A. Standard Data Files

| | | | |
|---|---|---|---|
| Standard 1 ID: | **V5I5414.D** | Conc: | **10** |
| Standard 2 ID: | **V5I5417.D** | Conc: | **20** |
| Standard 3 ID: | **V5I5413.D** | Conc: | **50** |
| Standard 4 ID: | **V5I5416.D** | Conc: | **100** |
| Standard 5 ID: | **V5I5415.D** | Conc: | **200** |

B. 1. All SPCC met Criteria ?

**Yes** No

2. Calculate a SPCC average RRF

Comments: **%D>25% acceptable if <40% for four or less compounds.**

**DATA VALIDATION – ORGANICS**

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

Fraction: VOA, SVOA, Pesticide, PCBs Date of Calibration: **3/12/08**

IV. Initial Calibration Summary (continued)

2. All CCC met Criteria ?

**Yes** No

Comments:

Calculate a CCC % RSD

C. 1. Was the tune for the initial calibration acceptable ?

**Yes** No

2. Was the calibration conducted within 12 hours of the tune

Yes **No**

Comments: **Initial calibration 3/12/08, Tune and Continuing calibration 3/21/08. The continuing calibration was conducted within 12 hours of the tune.**

D. Overall assessment of the initial calibration:
(list the associated samples)

**OK. Associated samples: MW-1, MW-2, MW-4, MW-5, MW-6, MW-7.**

## DATA VALIDATION – ORGANICS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

Fraction: VOA, SVOA, Pesticide, PCBs

VI. Continuing Calibration Summary (GC/MS)

Date of Initial Calibration: **3/12/08**

Date of Continuing Calibration: **3/21/08 16:45** File ID: **V5I5651.D**

A. 1. All SPCC met criteria ?

**Yes** No

Calculate a SPCC RRF

Comments:

2. All CCC met criteria ?

**Yes** No

Calculate a CCC % D

Comments:

B. Overall assessment of Continuing Calibration
(list associated samples)

**OK. Associated samples: MW-1, MW-2, MW-4, MW-5, MW-6, MW-7.**

## DATA VALIDATION – ORGANICS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

Fraction: VOA, SVOA, Pesticide, PCBs

VIII. Internal Standard Area Summary (GC/MS)

Were all internal standard peak areas within the contract limits ?

**Yes** No

If No, please note below

| Sample | Internal Standard Outside Limits | Amount Above Contract Requirement | Comments |
|---|---|---|---|

## DATA VALIDATION – ORGANICS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

Fraction: VOA, SVOA, Pesticide, PCBs

IX. Blank Summary **All blanks clean.**

Date/Time of Analysis: **3/21/08 16:39** File ID: **V5I5652.D**

| Compound | Concentration | < CROL | Comments |
|---|---|---|---|

List the samples associated with this method blank.

**Associated samples: MW-1, MW-2, MW-4, MW-5, MW-6, MW-7.**

## DATA VALIDATION – ORGANICS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

Fraction: VOA, SVOA, Pesticide, PCBs

X. Surrogate Recovery Summary

Were all surrogate recoveries within the contract limits ?

**Yes** No

If No, please note below.

| Sample | Surrogate Compound Outside Recovery Limits | Amount Above Contract Requirement | Comments |
|---|---|---|---|

## DATA VALIDATION – ORGANICS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

Fraction: VOA, SVOA, Pesticide, PCBs

XI. Matrix Spike/Matrix Spike Duplication Summary

Sample ID: **MW-4** Matrix: **water**

Did the MS/MSD recovery data meet the contract recommended requirements ?

Yes **No**

If No, please note below.

**Trichloroethene recovery outside QC limits (high) in matrix spike duplicate.**

**However, trichloroethene RPD was within QC limits in matrix spike duplicate.**

**Therefore, results not qualified**.

**1,1 dichloroethene RPD outside QC limits (high) in matrix spike duplicate.**

**Results not qualified, not detected in samples.**

**Lab Control Samples also analyzed for VOA and was within QC limits.**

# DATA VALIDATION – METALS

Site Name: McKinney Property  Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella  Date of Review: 1/21/09

I. Holding times

| Sample | Date Received | Date Digested | Date Analyzed | Holding Time Exceeded? |
|---|---|---|---|---|
| MW-1 | 3/21/08 | NA | 3/31/08 for Metals and Cyanide | No |
| MW-2 | 3/21/08 | NA | 3/31/08 for Metals and Cyanide | No |
| MW-4 | 3/21/08 | NA | 3/31/08 for Metals and Cyanide | No |
| MW-4 MS | 3/21/08 | NA | 3/31/08 for Metals and Cyanide | No |
| MW-4 MSD | 3/21/08 | NA | 3/31/08 for Metals and Cyanide | No |
| MW-5 | 3/21/08 | NA | 3/31/08 for Metals and Cyanide | No |
| MW-6 | 3/21/08 | NA | 3/31/08 for Metals and Cyanide | No |
| MW-7 | 3/21/08 | NA | 3/31/08 for Metals and Cyanide | No |

# DATA VALIDATION – METALS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

Associated Samples: _____

II. Initial Calibration

1. Were all initial instrument calibrations performed?

   Yes No

   Comments:

_____

_____

_____

2. Were the initial calibration verification standards analyzed at the contract specified frequency?

   Yes No

   Comments:

_____

_____

_____

3. Were the initial calibration results within the control limits listed below?

   For tin and mercury: 80-120% of the true value
   For all other metals: 90-110% of the true value

   Yes No

   If "No", note analytes _____

# DATA VALIDATION – METALS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

Associated Samples: _____

III. Continuing Calibration

1. Were the continuing calibration verification standards analyzed at the contract specified frequency?

   Yes No

   Comments:

_____

_____

_____

2. Were the continuing calibration results within the control limits listed below?

   For tin and mercury: 80-120% of the true value
   For all other metals: 90-110% of the true value

   Yes No

   If "No", note analytes _____

# DATA VALIDATION – METALS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

IV. Blank Summary

A. Method Blanks

1. Was a method blank prepared and analyzed at the contract specified frequency?

Yes No

2. Were all the analytes below the CRDL in the method blank?

Yes No

Comments:

B. Calibration Blanks

1. Were all initial and continuing calibration blanks analyzed at the contract specified frequency/

Yes No

2. Were all the analytes below the CRDL in all the calibration blanks?

Yes No

Comments:

# DATA VALIDATION – METALS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

V. Duplicate Analysis

1. Was a duplicate prepared and analyzed at the contract specified frequency?

   Yes No

   Comments:

2. Were control limits for the relative percent differences (RPD) met for each analyte?

   Yes No

   Comments:

For sample values >5 times the CRDL, the RPD control limit is ±20%.

For sample values ≤ 5 times the CRDL, the RPD control limit is ±CRDL.

If sample results were outside of the control limits, all data associated with that duplicate sample should have been flagged with a "*".

## DATA VALIDATION – METALS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

VI. Matrix Spike Analysis

1. Was a matrix spike prepared and analyzed at the contract specified frequency?

   Yes No

   Comments:

2. Were the matrix spike recoveries within the contract specified control limits (75-125%)?

   Yes No

   If "No", note analytes _____

   Data should have been flagged with "N" for analytes out of control limits. If the sample concentration exceeds the spike concentration by a factor of four or more, no flag is required.

## DATA VALIDATION – METALS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

VII. ICP Interference Check Sample Summary

1. Was the ICP serial dilution analyzed at the contract specified frequency?

   Yes No

   Comments:

2. Were the serial dilution differences within the contract specified limits of ±w 10%?

   Yes No

   Comments:

3. Was the ICP CRDL check standard analyzed at the contract specified frequency for the analytes required?

   Yes No

   Comments:

## DATA VALIDATION – METALS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

VII. ICP Interference Check Sample Summary (continued):

4. Was the ICP interference check sample analyzed at the contract specified frequency:

   Yes No

   Comments:

5. Were the ICP interference check sample results within the control limit of ± 20% of the mean value?

   Yes No

   If "No", not analytes

## DATA VALIDATION – METALS

Site Name: McKinney Property Laboratory Name: Mitkem Corp.

Reviewer: C. Beaver/R. Petrella Date of Review: 1/21/09

VIII. Laboratory Control Sample Analysis

1. Was a laboratory control sample analyzed at the contract required frequency?

   Yes No

   Comments:

2. Were the percent recoveries within the control limits of 80-120% (except for Ag and Sb) for each analyte?

   Yes No

   Comments:

Data Usability Summary Report

Sixty surface soil, sixteen sub-surface soil and six groundwater samples were collected in February 2008 in support of a remedial investigation at the McKinney Property Site. The samples were alanlyzed for Target Compound List (TCL) Volatile Organic Compounds (VOCs), TCL Semivolatile Organic Compounds (SVOCs), pesticides, PCBs, Target Analyte List (TAL) Metals Metals and cyanide. Only twenty of the sixty surface soil samples were analyzed for TCL VOCs.

Sample analysis was performed by Mitkem Corporation, a subcontractor to Dvirka and Bartilucci, in accordance with NYSDEC 6/2000 ASP. The data packages, submitted by Mitkem, have been reviewed for contract and method compliance to determine the usability of the sample results. The findings of the review process are summarized below.

All samples were analyzed with the method specified holding times.

Several samples (VOC and SVOC fractions) required reanalysis due to surrogate recoveries and/or internal standard area counts being outside QC limits. The reanalysis proved matrix interference and results from the initial analysis was utilized for environmental assessment purposes.

Several samples (VOC, SVOC and/or pesticides and PCB fractions) required reanalysis at secondary dilutions due to compound concentrations exceeding the instrument calibration range. The results for the effected compounds were taken from the diluted analysis and are flagged "D" on the data summary tables.

No other problems were found with the sample results and all results are deemed usable for environmental assessment purposes as qualified above.

## DATA VALIDATION CHECKLIST

| | |
|---|---|
| Project Name: | McKinney Property Site |
| Project Number: | 2576 |
| Sample Date(s): | October 7, 2010 |
| Sample Team: | Daniel Bishuk Jr. |
| Matrix/Number of Samples: | Water/ 8<br>Soil/ 0<br>Field Duplicates/ 0<br>Trip Blanks / 1<br>Field Blanks/ 0 |
| Analyzing Laboratory: | Mitkem Laboratories, Warwick, RI |
| Analyses: | Volatile Organic Compounds (VOCs): by Method OLM 4.2<br>Semi Volatile Organic Compounds (SVOCs): by Method OLM4.2<br>Pesticides and Polychlorinated biphenyls (Pest & PCBs) by Method SOM01.2<br>Metals: including mercury and cyanide by Method ILM5.3 |
| Laboratory Report No: | J1967 Date:11/4/2010 |

## ANALYTICAL DATA PACKAGE DOCUMENTATION
## GENERAL INFORMATION

| | Reported | | Performance Acceptable | | Not |
|---|---|---|---|---|---|
| | No | Yes | No | Yes | Required |
| 1. Sample results | | X | | X | |
| 2. Parameters analyzed | | X | | X | |
| 3. Method of analysis | | X | | X | |
| 4. Sample collection date | | X | | X | |
| 5. Laboratory sample received date | | X | | X | |
| 6. Sample analysis date | | X | | X | |
| 7. Copy of chain-of-custody form signed by Lab sample custodian | | X | | X | |
| 8. Narrative summary of QA or sample problems provided | | X | | X | |

QA - quality assurance

Comments:

The data packages have been reviewed in accordance with the NYSDEC 6/00 ASP Quality Assurance/ Quality Control (QA/QC) requirements. A validation was conducted on the data package and any applicable qualification of the data was determined using the USEPA National Functional Guidelines of June 2008, or USEPA National Functional Guidelines of Inorganic Data Review, January 2010, method performance criteria, and Dvirka and Bartilucci Consulting Engineers, a Division of William F. Cosulich Associates, P.C. professional judgment. The qualification of data discussed within this data validation checklist did not impact the usability of the sample results.

**Custody Numbers:J1967**
**SAMPLE AND ANALYSIS LIST**

| Sample ID | Lab ID | Matrix | Sample Collection Date | Parent Sample | Analysis | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | VOC | SVOC | PEST/ PCB | MET |
| MW-1A | J1967-01 | Water | 10/7/10 | | X | X | X | X |
| MW-2A | J1967-02 | Water | 10/7/10 | | X | X | X | X |
| MW-3A | J1967-03 | Water | 10/7/10 | | X | X | X | X |
| MW-4 | J1967-04 | Water | 10/7/10 | | X | X | X | X |
| MW-5 | J1967-05 | Water | 10/7/10 | | X | X | X | X |
| MW-6 | J1967-06 | Water | 10/7/10 | | X | X | X | X |
| MW-7 | J1967-07 | Water | 10/7/10 | | X | X | X | X |
| MW-8 | J1967-08 | Water | 10/7/10 | | X | X | X | X |
| TRIP BLANK | J1967-09 | Trip Blank | 10/7/10 | | X | | | |

## ORGANIC ANALYSES
## VOCS

| | Reported | | Performance Acceptable | | Not |
|---|---|---|---|---|---|
| | No | Yes | No | Yes | Required |
| 1. Holding times | | X | | X | |
| 2. Blanks | | | | | |
| A. Method blanks | | X | | X | |
| B. Trip blanks | | X | | X | |
| C. Field blanks | | | | | X |
| 3. Matrix spike (MS) %R | | X | | X | |
| 4. Matrix spike duplicate (MSD) %R | | X | | X | |
| 5. MS/MSD precision (RPD) | | X | | X | |
| 6. Laboratory Control Sample %R | | X | | X | |
| 7. Surrogate spike recoveries | | X | | X | |
| 8. Instrument performance check | | X | | X | |
| 9. Internal standard retention times and areas | | X | | X | |
| 10. Initial calibration RRF's and %RSD's | | X | | X | |
| 11. Continuing calibration RRF's and %D's | | X | | X | |
| 12. Transcriptions – quant report vs. Form I | | X | | X | |
| 13. Tentatively Identified Compounds (TICs) | | X | | X | |
| 14. Field duplicates RPD | | | | | X |

VOCs - volatile organic compounds
%D - percent difference
RRF - relative response factor
%R - percent recovery
%RSD - percent relative standard deviation
RPD - relative percent difference

Comments:
Performance was acceptable.

## ORGANIC ANALYSES
## SVOCS

| | Reported | | Performance Acceptable | | Not |
|---|---|---|---|---|---|
| | No | Yes | No | Yes | Required |
| 1. Holding times | | X | | X | |
| 2. Blanks | | | | | |
| A. Method blanks | | X | | X | |
| B. Field blank | | | | | X |
| 3. Matrix spike (MS) %R | | X | X | | |
| 4. Matrix spike duplicate (MSD) %R | | X | | X | |
| 5. MS/MSD precision (RPD) | | X | | X | |
| 6. Laboratory Control Sample %R | | X | X | | |
| 7. Surrogate spike recoveries | | X | X | | |
| 8. Instrument performance check | | X | | X | |
| 9. Internal standard retention times and areas | | X | | X | |
| 10. Initial calibration RRF's and %RSD's | | X | | X | |
| 11. Continuing calibration RRF's and %D's | | X | | X | |
| 12. Transcriptions – quant report vs. Form I | | X | | X | |
| 13. Tentatively identified compounds (TICs) | | X | | X | |
| 14. Field duplicates RPD | | | | | X |

SVOCs –Semi- volatile organic compounds %D - percent difference RRF - relative response factor
%R - percent recovery %RSD - percent relative standard deviation RPD - relative percent difference

Comments:
Performance was acceptable with the following exceptions:

3. The %R was above QC limits for pentachlorophenol in the MS. It was not detected in the samples and therefore did not impact the usability of the reported sample results.

6. The %R was above QC limits for 4-nitrophenol in the laboratory control sample. It was not detected in the samples and therefore did not impact the usability of the reported sample results.

7. The %R for surrogate, 2,4,6-tribromophneol was above QC limits in MW-4. No associated compounds were detected in the sample and therefore the surrogate did not impact the usability of the sample results.

## ORGANIC ANALYSES
## Pesticides & PCB

| | Reported | | Performance Acceptable | | Not |
|---|---|---|---|---|---|
| | No | Yes | No | Yes | Required |
| 1. Holding times | | X | | X | |
| 2. Blanks | | | | | |
| A. Method blanks | | X | | X | |
| B. Field blanks | | | | | X |
| 3. Matrix spike (MS) %R | | X | | X | |
| 4. Matrix spike duplicate (MSD) %R | | X | | X | |
| 5. MS/MSD precision (RPD) | | X | | X | |
| 6. Laboratory Control Sample %R | | X | | X | |
| 7. Surrogate spike recoveries | | X | | X | |
| 8. GC Surrogate retention time summary | | X | | X | |
| 9. Initial calibration %RSD's | | X | | X | |
| 10. Continuing calibration %D's | | X | | X | |
| 11. Transcriptions – quant report vs. Form I | | X | | X | |
| 12. Field duplicates RPD | | | | | X |

PCBs – Polychlorinated Biphenyls
%R - percent recovery
%D - percent difference
%RSD - percent relative standard deviation
RRF - relative response factor
RPD - relative percent difference

Comments:
Performance was acceptable, with the following exception:

11. Duel column conformation %D was above 25% and qualified by the laboratory with a "P" in MW-2A and MW-3A. The following pesticides were qualified as estimated (J): beta-BHC and Endosulfan II in MW-2A and beta-BHC and Endosulfan sulfate in MW-3A.

## INORGANIC ANALYSES
## METALS

| | Reported | | Performance Acceptable | | Not |
|---|---|---|---|---|---|
| | No | Yes | No | Yes | Required |
| 1. Holding times | | X | | X | |
| 2. Blanks | | | | | |
| A. Preparation and calibration blanks | | X | X | | |
| B. Field blanks | | | | | X |
| 3. Initial calibration verification %R | | X | | X | |
| 4. Continuing calibration verification %R | | X | | X | |
| 5. CRDL standard %R | | X | | X | |
| 6. Interference check sample %R | | X | | X | |
| 7. Laboratory control sample %R | | X | | X | |
| 8. Spike sample %R | | X | | X | |
| 9. Post digestive spike sample %R | | | | | X |
| 10. Duplicate %RPD | | X | X | | |
| 11. Serial dilution check %D | | X | | X | |
| 12. Total verse dissolved results | | | | | X |
| 13. Field duplicates RPD | | | | | X |

%R - percent recovery %D - percent difference RPD - relative percent difference

Comments:
Performance was acceptable, with the following exceptions:

The laboratory qualified the data detected between contract required detection limit (CRDL) and instrument detection limit (IDL) with a "J". This data is normally qualified by the laboratory with a "B" and has been changed to reflect the proper "B" qualifier.

2A. Antimony, barium, beryllium, chromium, cobalt, copper, iron, manganese, nickel, vanadium and zinc were detected in the initial calibration blank associated with all samples. Antimony, cobalt and zinc were detected in the preparation blank associated with all samples. The following metal was less than ten times the concentration found in the blank and were qualified as non-detect (U): antimony in MW-5 and MW-7; beryllium in MW-1A; chromium in MW-1A, MW-3A, MW-4, MW-5, MW-6, MW-7 and MW-8; cobalt and vanadium in all samples; copper in MW-1A, MW-2A, MW-3A, MW-4, MW-5, and MW-8; nickel in MW-1A, MW-3A and MW-7; and zinc in MW-1A, MW-4, MW-5, MW-6 and MW-8.

10. The iron RPD was above the QC limit of 20% for the laboratory duplicate associated with all samples. Iron was qualified as estimated (J) in all samples.

**DATA VALIDATION AND QUALIFICATION SUMMARY** **Laboratory Numbers:J1967**

| Sample ID | Analyte(s) | Qualifier | Reason(s) |
|---|---|---|---|
| **VOCs** | | | |
| No qualification of the data was necessary. | | | |
| | | | |
| **SVOCs** | | | |
| No qualification of the data was necessary. | | | |
| | | | |
| **Pest & PCBs** | | | |
| MW-2A | beta-BHC and Endosulfan II | J | Duel column conformation %D was above 25% and laboratory qualified with a "P" |
| | | | |
| MW-3A | beta-BHC and Endosulfan sulfate | J | Duel column conformation %D was above 25% and laboratory qualified with a "P" |
| | | | |
| **Metals** | | | |
| All samples | Metals | B | Laboratory qualified detects between CRDL and IDL with a "J" corrected to reflect proper "B" qualifier |
| | | | |
| All samples | Iron | J | RPD was above the QC limit of 20% for the laboratory duplicate |
| | | | |
| MW-5 and MW-7 | Antimony | U | Detected in associated blanks |
| | | | |
| MW-1A | Beryllium | U | Detected in associated blanks |
| | | | |
| MW-1A, MW-3A, MW-4, MW-5, MW-6, MW-7 and MW-8 | Chromium | U | Detected in associated blanks |
| | | | |
| All samples | Cobalt and Vanadium | U | Detected in associated blanks |
| | | | |
| MW-1A, MW-2A, MW-3A, MW-4, MW-5, and MW-8 | Copper | U | Detected in associated blanks |
| | | | |
| MW-1A, MW-3A and MW-7 | Nickel | U | Detected in associated blanks |
| | | | |

| Sample ID | Analyte(s) | Qualifier | Reason(s) |
|---|---|---|---|
| MW-1A, MW-4, MW-5, MW-6 and MW-8 | Zinc | U | Detected in associated blanks |

| | |
|---|---|
| VALIDATION PERFORMED BY & DATE: | Donna M. Brown 11/22/2010 |
| VALIDATION PERFORMED BY SIGNATURE: | |