REMEDIAL INVESTIGATION REPORT

VOLUME I

WORK ASSIGNMENT D007622-17

OLD AGWAY STORE
BALLSTON SPA (V)

SITE NO. 546021
SARATOGA COUNTY, NY

Prepared for:
NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
625 Broadway, Albany, New York

Joe Martens, Commissioner

DIVISION OF ENVIRONMENTAL REMEDIATION

URS Corporation
257 West Genesee Street, Suite 400
Buffalo, New York 14202

FINAL
December 2014

REMEDIAL INVESTIGATION REPORT
FOR THE
OLD AGWAY STORE SITE
SITE ID NO. 546021
BALLSTON SPA, SARATOGA COUNTY, NEW YORK

PREPARED FOR:

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
REMEDIAL BUREAU E
WORK ASSIGNMENT NUMBER D007622-17

PREPARED BY:

URS CORPORATION
257 WEST GENESEE STREET, SUITE 400
BUFFALO, NEW YORK 14202

FINAL
DECEMBER 2014

TABLE OF CONTENTS

Page No.

1.0 INTRODUCTION 1-1

1.1 Report Organization 1-1

1.2 Site Background 1-1

1.2.1 Site Location and Description 1-3

1.2.2 Summary of Records Search 1-3

1.3 Previous Investigations 1-4

1.4 Findings of Previous Fieldwork 1-4

1.4.1 Soil 1-4

1.4.2 Groundwater 1-5

1.4.3 Leachate 1-5

1.5 Objectives of the RI 1-6

2.0 REMEDIAL INVESTIGATION FIELD ACTIVITIES 2-1

2.1 RI PHASE I 2-1

2.1.1 Site Clearing and Storage 2-1

2.1.2 Utility Clearance 2-1

2.1.3 Geophysical Survey 2-1

2.1.4 Soil Sampling 2-2

2.1.4.1 Site Sampling 2-2

2.1.4.2 Off-Site Sampling 2-3

2.1.5 Groundwater Monitoring Well Installation/Soil Borings 2-4

2.1.5.1 Pre-Boring Clearing 2-4

2.1.5.2 Soil Borings 2-4

2.1.5.3 Monitoring Well Construction 2-6

2.1.5.4 Monitoring Well Development 2-6

2.1.6 Groundwater Level Measurements 2-7

2.1.7 Aquifer Testing 2-7

2.1.7.1 Slug Testing 2-7

2.1.8 Groundwater Sampling 2-7

TABLE OF CONTENTS
(CONTINUED)

2.1.9 Investigation Derived Waste and Disposal 2-8

2.1.10 Site Survey 2-8

2.2 RI PHASE II 2-9

2.2.1 Site Storage 2-9

2.2.2 Utility Clearance 2-10

2.2.3 Soil Sampling 2-10

2.2.3.1 Surface Soil Sampling 2-10

2.2.3.2 Shallow and Subsurface Soil Sampling 2-11

2.2.4 Groundwater Monitoring Well Installation 2-11

2.2.4.1 Pre-Boring Clearing 2-11

2.2.4.2 Soil Borings 2-12

2.2.4.3 Monitoring Well Construction 2-13

2.2.4.4 Monitoring Well Development 2-13

2.2.5 Groundwater Level Measurements 2-13

2.2.6 Groundwater Sampling 2-14

2.2.7 Leachate Sampling 2-14

2.2.8 Investigation Derived Waste and Disposal 2-15

2.2.9 Site Survey 2-15

3.0 PHYSICAL CHARACTERISTICS OF THE STUDY AREA AND GEOLOGY 3-1

3.1 Demography and Land Use 3-1

3.1.1 Surface Features 3-1

3.2 Regional Geology 3-1

3.3 Site Geology 3-2

3.4 Groundwater Levels and Hydrogeology 3-2

3.4.1 Slug Test Results 3-3

3.5 Surface Water and Hydrology 3-3

3.6 Utilities 3-4

4.0 NATURE AND EXTENT OF CONTAMINATION 4-1

4.1 Standards, Criteria and Guidance Values 4-1

4.1.1 Soil 4-1

TABLE OF CONTENTS
(CONTINUED)

4.1.2 Background Soil 4-2
4.1.3 Groundwater 4-3
4.2 Soil Analytical Results 4-3
4.2.1 Site Soils 4-4
4.2.1.1 Shallow Soil Analytical Results: 4-4
4.2.1.2 Subsurface Soil Analytical Results 4-6
4.2.2 Off-Site Soils 4-9
4.2.2.1 Surface Soil Analytical Results: 4-9
4.2.2.2 Shallow Soil Analytical Results: 4-10
4.2.2.3 Subsurface Soil Analytical Results 4-13
4.3 Groundwater Analytical Results 4-15
4.4 Leachate Analytical Results 4-18
5.0 CONTAMINANT FATE AND TRANSPORT 5-1
5.1 General Description of Fate and Transport Mechanisms 5-1
5.1.1 Contaminants of Potential Concern 5-1
5.1.2 Transport Processes 5-2
5.1.3 Mass Destruction Processes 5-4
5.2 Properties 5-4
5.3 Evaluation of Fate and Transport Mechanisms 5-7
5.3.1 Source(s) of Contamination 5-7
5.3.2 Fate and Transport in the Unsaturated Zone 5-7
5.3.2.1 Migration 5-7
5.3.2.2 Degradation 5-8
5.3.3 Fate and Transport in the Saturated Zone 5-8
5.3.3.1 Migration 5-8
5.3.3.2 Degradation 5-9
6.0 QUALITATIVE HUMAN HEALTH EXPOSURE ASSESSMENT 6-1
6.1 Source of Contamination and Identification of Chemicals of Potential Concern 6-1
6.2 Exposure Pathways 6-2
6.2.1 Site Subsurface Soil 6-3

TABLE OF CONTENTS
(CONTINUED)

6.2.2 Off-Site Surface Soil and Off-Site Shallow Soil 6-3

6.2.3 Off-Site Subsurface Soil 6-3

6.2.4 Groundwater 6-3

6.2.5 HHEA Summary 6-3

7.0 SUMMARY AND RECOMMENDATIONS 7-1

7.1 Summary 7-1

7.1.1 Geology 7-1

7.1.2 Surface Soil 7-1

7.1.3 Shallow Soil 7-2

7.1.4 Subsurface Soil 7-2

7.1.5 Groundwater 7-3

7.1.6 Leachate 7-4

7.1.7 Contaminant Fate and Transport 7-5

7.1.8 Qualitative Human Health Exposure Assessment 7-5

7.1.9 Fish and Wildlife Resources Impact Analysis 7-6

7.1.10 Source Characterization 7-6

7.2 Recommendations 7-6

8.0 REFERENCES AND BIBLIOGRAPHIC INFORMATION 8-1

TABLES

Table 1-1 Summary of Detected Analytes in Historical Groundwater Samples

Table 1-2 Summary of Detected Analytes in Historical Leachate Samples

Table 2-1 Summary of Parameters Analyzed

Table 2-2 Groundwater Elevation Measurements

Table 2-3 Summary of Detected Analytes in Investigation Derived Waste

Table 3-1 Summary of Slug Test Results

Table 4-1 Summary of Detected Analytes in Site Background Soils

Table 4-2 Statistical Summary of Detected Analytes in Site Background Shallow Soils

Table 4-3 Statistical Summary of Detected Analytes in Site Background Subsurface Soils

Table 4-4 Summary of Detected Analytes in Site Shallow Soils – Unrestricted Use, Protection of Groundwater and Residential Use Criteria

TABLE OF CONTENTS
(CONTINUED)

TABLES (continued)

Table 4-5	Summary of Detected Analytes in Site Shallow Soil Samples - Restricted Residential Use, Commercial Use and Site Background Criteria
Table 4-6	Statistical Summary of Detected Analytes in Site Shallow Soils – Unrestricted Use
Table 4-7	Statistical Summary of Detected Analytes in Site Shallow Soils – Protection of Groundwater
Table 4-8	Statistical Summary of Detected Analytes in Site Shallow Soils – Residential Use
Table 4-9	Statistical Summary of Detected Analytes in Site Shallow Soils – Restricted Residential Use
Table 4-10	Statistical Summary of Detected Analytes in Site Shallow Soils – Commercial Use
Table 4-11	Statistical Summary of Detected Analytes in Site Shallow Soils – Site Background
Table 4-12	Summary of Detected Analytes in Site Subsurface Soils - Unrestricted, Protection of Groundwater and Residential Use Criteria
Table 4-13	Summary of Detected Analytes in Site Subsurface Soils – Restricted Residential Use, Commercial Use and Site Background Criteria
Table 4-14	Statistical Summary of Detected Analytes in Site Subsurface Soils – Unrestricted Use
Table 4-15	Statistical Summary of Detected Analytes in Site Subsurface Soils – Protection of Groundwater
Table 4-16	Statistical Summary of Detected Analytes in Site Subsurface Soils – Residential Use
Table 4-17	Statistical Summary of Detected Analytes in Site Subsurface Soils – Restricted Residential Use
Table 4-18	Statistical Summary of Detected Analytes in Site Subsurface Soils – Commercial Use
Table 4-19	Statistical Summary of Detected Analytes in Site Subsurface Soils – Site Background
Table 4-20	Summary of Detected Analytes in Off-Site Surface Soils – Unrestricted Use, Protection of Groundwater and Residential Use Criteria
Table 4-21	Statistical Summary of Detected Analytes in Off-Site Surface Soils – Unrestricted Use
Table 4-22	Statistical Summary of Detected Analytes in Off-Site Surface Soils – Protection of Groundwater
Table 4-23	Statistical Summary of Detected Analytes in Off-Site Surface Soils – Residential Use
Table 4-24	Summary of Detected Analytes in Off-Site Shallow Soils – Unrestricted Use, Protection of Groundwater and Residential Use Criteria
Table 4-25	Summary of Detected Analytes in Off-Site Shallow Soils – Site Background Criteria
Table 4-26	Statistical Summary of Detected Analytes in Off-Site Shallow Soils – Unrestricted Use
Table 4-27	Statistical Summary of Detected Analytes in Off-Site Shallow Soils – Protection of Groundwater
Table 4-28	Statistical Summary of Detected Analytes in Off-Site Shallow Soils – Residential Use
Table 4-29	Statistical Summary Of Detected Analytes in Off-Site Shallow Soils – Site Background

TABLE OF CONTENTS
(CONTINUED)

TABLES (continued)

Table 4-30	Summary of Detected Analytes in Off-Site Subsurface Soils – Unrestricted Use, Protection of Groundwater and Residential Use Criteria
Table 4-31	Summary of Detected Analytes in Off-Site Subsurface Soils – Site Background Criteria
Table 4-32	Statistical Summary of Detected Analytes in Off-Site Subsurface Soils – Unrestricted Use
Table 4-33	Statistical Summary of Detected Analytes in Off-Site Subsurface Soils – Protection of Groundwater
Table 4-34	Statistical Summary of Detected Analytes in Off-Site Subsurface Soils – Residential Use
Table 4-35	Statistical Summary of Detected Analytes in Off-Site Subsurface Soils – Site Background
Table 4-36	Summary of Detected Analytes in Groundwater
Table 4-37	Statistical Summary of Analytes Detected in June 2013 Groundwater Samples
Table 4-38	Statistical Summary of Analytes Detected in May 2014 Groundwater Samples
Table 4-39	Summary of Detected Analytes in May 2014 Leachate Sample
Table 5-1	Contaminants of Potential Concern
Table 6-1	Potential Pathways of Exposure – Current Use Scenario
Table 6-2	Potential Pathways of Exposure – Future Use Scenario

FIGURES

Figure 1-1	Site Location
Figure 1-2	Site Plan
Figure 2-1	Sampling Locations
Figure 3-1	Cross-Section Locations
Figure 3-2	Geologic Cross Section
Figure 3-3	Potentiometric Surface (May 28, 2013)
Figure 3-4	Potentiometric Surface (May 6, 2014)
Figure 4-1	Site Background Soil Analytical Results
Figure 4-2	Groundwater Analytical Results
Figure 6-1	Conceptual Model

PLATES

Plate 4-1	Site Soil Analytical Results
Plate 4-2	Off-Site Soil Analytical Results

TABLE OF CONTENTS
(CONTINUED)

APPENDICES

Appendix A	Site Background Information
Appendix B	EDR Reports (on compact disk)
Appendix C	Geophysical Survey Report
Appendix D	URS Field Notes
Appendix E	Photographic Log
Appendix F	Soil Boring Logs
Appendix G	Monitoring Well Construction Logs
Appendix H	Monitoring Well Development Logs
Appendix I	Aquifer Testing Data and Results
Appendix J	Monitoring Well Purge Logs
Appendix K	Investigation Derived Waste Disposal Documents
Appendix L	Survey Point Files
Appendix M	Survey Drawing
Appendix N	Tax Map and Zoning Codes
Appendix O	Data Usability Summary Reports (on compact disk)

LIST OF ACRONYMS AND ABBREVIATIONS

4,4'-DDD	1,1'-(2,2-dichloroethylidene)bis[4-chlorobenzene] aka p,p'-DDD
4,4'-DDE	1,1'-(dichloroethenylidene)bis[4-chlorobenzene] aka p,p'-DDE
4,4'-DDT	1,1'-(2,2,2-trichloroethylidene)bis[4-chlorobenzene] aka p,p'-DDT
aka	also known as
amsl	above mean sea level
AECOM	AECOM Technical Services Northeast, Inc.
ASP	Analytical Services Protocol
ASTM	ASTM International
bgs	below ground surface
CBD	central business district
CD	compact disc
cm/sec	centimeters per second
COC	chain-of-custody
CP	Commissioner Policy
CPC	contaminant of potential concern
DOT	Department of Transportation
DUSR	Data Usability Summary Report
EDR	Environmental Data Resources, Inc.
ELAP	Environmental Laboratory Approval Program
EM	electromagnetic
FedEx	FedEx Corporation
ft/ft	foot per foot
Frank's Vac	Frank's Vacuum Truck Service, Inc.
GAC	granular activated carbon
GPR	ground penetrating radar
GPS	global positioning system
GSSI	Geophysical Survey Systems, Inc.
H2M	H2M Labs, Inc. (acquired by Pace on December 31, 2013)
HHEA	Human Health Exposure Assessment
HSA	hollow stem auger
ID	identification
I.D.	inside diameter
IDW	investigation derived waste
IRM	interim remedial measure
mg/kg	milligrams per kilogram (parts per million)
mg/L	milligrams per liter (parts per million)
NAD83	North American Datum of 1983
NAVD	North American Vertical Datum
NYCRR	New York Codes, Rules and Regulations
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
NYSDOT	New York State Department of Transportation
NYSPCS	New York State Plane Coordinate System
PACE	Pace Analytical Services, Inc. (acquired H2M Labs, Inc.)
PAH	polycyclic (or polynuclear) aromatic hydrocarbon
PCB	polychlorinated biphenyl
PE	polyethylene
PID	photoionization detector

LIST OF ACRONYMS AND ABBREVIATIONS
(continued)

ppb	parts per billion
ppm	parts per million
PVC	polyvinyl chloride
QA/QC	quality assurance/quality control
RI	Remedial Investigation
RSI	Radar Solutions International
RSL	Regional Screening Levels
SCG	standards, criteria and guidance value
Site	Old Agway Store site
SJB	SJB Services, Inc.
SVOC	semivolatile organic compound
TAL	Target Analyte List
TCL	target compound list
TCLP	toxicity characteristic leaching procedure
TIC	tentatively identified compound
TOGS	Technical and Operational Guidance Series
µg/kg	micrograms per kilogram (parts per billion)
µg/L	micrograms per liter (parts per billion)
URS	URS Corporation – New York
U.S.	Unites States
USEPA	United States Environmental Protection Agency
USGS	United States Geological Survey
VOC	volatile organic compound
WA	Work Assignment
YEC	YEC, Inc.

1.0 INTRODUCTION

This Remedial Investigation (RI) Report has been prepared to summarize the field activities and analytical results from the RI Phase I and Phase II investigations of the Old Agway Store site (Site), Site ID No. 546021, located in the Village of Ballston Spa, Saratoga County, New York (Figure 1-1). The work for this RI report was issued to URS Corporation – New York (URS) by the New York State Department of Environmental Conservation (NYSDEC) as Work Assignment (WA) No. D007622-17. This report presents data and information gathered prior to and during RI Phases I and II. Fieldwork for Phase I of the RI was conducted between May 13 and June 13, 2013. Fieldwork for Phase II of the RI was conducted between April 28 and May 15, 2014.

1.1 Report Organization

This report has eight sections. Section 1 includes background information and a synopsis of previous activities at this Site. Section 2 includes a description of field activities that occurred during the RI Phases I and II fieldwork. Section 3 includes a description of the local and regional geology and hydrogeology. Section 4 presents standards, criteria and guidance values (SCGs) and discusses the nature and extent of the contamination. Section 5 presents a Site conceptual model and discusses contaminant fate and transport. The Qualitative Human Health Exposure Assessment (HHEA) is included in Section 6.0. Summary and Recommendations are provided as Section 7.0 in this report. Section 8 contains a list of references cited. Tables, Figures and Appendices immediately follow the text.

1.2 Site Background

The Site is located on land that was the location of the former Ballston-Agway Cooperative Inc., store. On March 4, 1977, a fire destroyed the building. Various pesticides and herbicides that were stored in the building were released into the environment as a result of the fire and firefighting. On March 8, 1977, a NYSDEC representative was on site to oversee the removal of all pesticides and herbicides containers that were recognizable as such. When the removal operation was complete, the floor of the foundation was broken up and the basement was backfilled.

All that remains of the former store structure is approximately 160 linear feet of a foundation wall on the western boundary of the Site, oriented in a north to south direction. A portion of the wall is oriented east-west at the northern end of the property. At the request of the

NYSDEC, AECOM Technical Services Northeast, Inc. (AECOM) completed an onsite inspection of the existing concrete retaining wall on October 6, 2011. The engineering evaluation can be found in the *Annual Review Report for the Old Agway Store Site* (AECOM December 2011). A copy of this report is provided in Appendix A.

Rain and surface water infiltration into the backfilled foundation eventually led to the generation of leachate with subsequent downgradient ponding on the adjacent residential properties. In response to complaints of a foul smelling liquid running out of the foundation wall, the NYSDEC collected a sample of the leachate on June 20, 1977 and submitted the sample to the New York State Department of Health (NYSDOH) for analysis. The NYSDOH reported the presence of the fungicide captan, the pesticide diazinon and the herbicide silvex (also known as 2,4,5-TP) in concentrations ranging from 20 parts per million (ppm) to 200 ppm.

In the Spring of 1978, a leachate collection system, consisting of approximately 130 feet of underground perforated pipe (i.e., french drain) with a passive treatment of leachate by a Calgon Activated Carbon System [i.e., 55 gallon drum granular activated carbon (GAC) unit] was installed by Ballston-Agway Cooperative, Inc. Discharge of the treated leachate was to a sanitary manhole located on Walnut Street and owned by the Village of Ballston Spa. The sanitary line is connected to the Saratoga County Sewer District #1 wastewater treatment plant. In April 1979, it was reported that the treatment system was not operating as designed. The GAC unit was clogged, resulting in the ponding of the leachate on the adjacent properties after rain events.

The NYSDEC issued a Consent Order on August 6, 1981 requiring Ballston-Agway Cooperative, Inc., the owner of the Site at the time of the fire, to conduct an interim remedial measure (IRM) to mitigate the surface and shallow subsurface flow of contaminated leachate from the Site. In September 1981, a leachate collection system consisting of 97 feet of perforated pipe was installed adjacent to the west side of the foundation wall. The leachate is discharged directly to a sanitary manhole located on Walnut Street. The sanitary line connects to the Saratoga County Sewer District #1 wastewater treatment plant. The leachate collection system is still in place and active. A cross section of the system can be found in the *Site Management Plan* (AECOM, May 2011), provided in Appendix A. Photographs of the manhole and leachate pipe can also be found in Appendix A.

1.2.1 Site Location and Description

The Site is located in a commercial/residential area of the Village of Ballston Spa (Figure 1-1). The village lies on the border of two towns, partly in the Town of Ballston and partly in the Town of Milton. The Site lies in the section of the village that is part of the Town of Milton. The Site consists of a triangular shaped 0.29-acre grassy parcel of land, as shown on Figure 1-2. Since the fire in 1977, the Site has remained a vacant lot. Residences border the property to the west and northwest. A former railroad line and spur are located along the eastern and northern boundaries of the property. Commercial properties are located south and east of the Site.

Hereinafter, reference to the "Site" includes the Old Agway Store property and a portion of the adjacent former Delaware & Hudson rail line to the east, as shown on Figure 1-2. Reference to "off-site" includes the area west, northwest and north of the Site, which includes the residential properties along Court, Walnut Streets and Front Street.

1.2.2 Summary of Records Search

Historical records for the Site were provided by the NYSDEC. URS also obtained historical data and available environmental records for the Site and surrounding area through Environmental Data Resources, Inc. (EDR). The EDR reports are provided on a compact disk in Appendix B.

The 1892 through 1904 Sanborn maps show a rail line along the eastern boundary of the Site. A rail spur and coal dump shed located adjacent to the rail spur were on the Site. A two-story frame dwelling was located at the southwest corner of the property. The 1911 Sanborn shows an expansion of the coal shed. The property use included a grain, flour, feed hay and straw business. In the 1924 Sanborn map, the two-story frame dwelling and coal dump shed had been replaced by a 1-story wood post building with a basement. The new structure occupied the majority of the lot. An open elevator shaft is located near the center of the building along the west wall. An office was located at the southeast end of the structure. The building use continued to be for a grain, flour, feed hay and straw business through 1950, as shown on the Sanborn maps. Sanborn maps are not available after 1950. Aerial photographs through 1964 show the building occupying the majority of the lot. The foundation wall along the western end of the property appears to be a remnant of the structure built between 1911 and 1924.

The EDR Radius Map™ Report with GeoCheck® provides environmental information about the Site and surrounding area. Spills were reported by the occupant of 24 Court Street,

which is the residential property located off-site, at the northeast corner of the intersection of Galway and Court Streets. The spills were called in from July 28, 1992 through June 22, 1995 because of solvent-like odors in the house. Odors in the residence were found to be caused by a print shop disposing of solvents into the sanitary sewer. Ballston Printing Co., Inc. was identified as the source of the spill (NYSDEC Spill #s 9204907, 9205024, 9302768, 9302828 and 9503589). Ballston Printing Co, Inc. is located at 33 Science Street and borders the south side of Galway Street, directly upgradient of the site.

1.3 Previous Investigations

Several sampling events were performed following the backfilling of the Site after the 1977 fire. Sampling events included collection of leachate samples, the installation of monitoring wells and sampling of groundwater from the monitoring wells.

In January 1981, three monitoring wells were installed by the NYSDOH and the New York State Department of Transportation (NYSDOT) adjacent to the foundation wall on the Site. Soil descriptions and well construction details from the installation of these monitoring wells can be found in Appendix A. Soil and water samples were collected, but the analytical results for the soil samples were not found in the historical records. According to the NYSDEC's Site Briefing Report, these wells were decommissioned in September 1999 because they were no longer deemed necessary for monitoring purposes.

On behalf of the NYSDEC, AECOM performed inspections of the leachate collection system and sampled the leachate starting in August 2007. AECOM documents provided to URS by the NYSDEC include: a *Periodic Review Report* issued by AECOM in January 2011; a *Site Management Plan* issued by AECOM in May 2011; and an *Annual Review Report* for the Site, issued by AECOM in December 2011.

1.4 Findings of Previous Fieldwork

1.4.1 Soil

Soil samples were collected during the installation of the three Site monitoring wells (NYSDOH *Memo from Mr. Hotaling to Mr. Decker*, January 30, 1981), but no analytical data for the soil samples was found. Historical records indicate soil samples were also collected from several other locations surrounding the Site between December 22, 1981 and January 8, 1982; however, no figures or sketches showing the locations of the soil samples were provided in the report (NYSDOH Toxicology Institute, *Interim Report - Ballston Spa Agway Samples*, March

1982). The only reference to soil sample results was a general statement that atrazine was detected, with concentrations ranging from 0.01 to 0.035 milligrams per kilograms (mg/kg). There is no criteria in 6NYCRR Part 375-6 or CP-51 for atrazine. The Resident Soil Screening Level for atrazine in the United States Environmental Protection Agency (USEPA) Region III Regional Screening Levels (RSL) Summary Table (May 2013) is 2.1 mg/kg. Atrazine is a herbicide, but has been reported as a semivolatile organic compound (SVOC).

1.4.2 Groundwater

Records for three groundwater sampling events were found: January 1981; March 1990; and May 1992. A summary of the detected results from the groundwater samples is provided in Table 1-1. Detections exceeding NYSDEC Class GA groundwater SCGs include:

- SVOCs: 2,4-dichlorophenol, atrazine, fluoranthene, naphthalene, pentachlorophenol and phenol;
- Pesticides: 4,4'-DDD, aldrin and dieldrin; and
- Herbicides: silvex.

Concentrations of compounds detected in the most recent event (May 1992) that exceeded Class GA standards and guidance values include atrazine (610 micrograms per liter [µg/L]), pentachlorophenol (4.3 µg/L), aldrin (0.1 µg/L), dieldrin (0.22 µg/L) and silvex (1.7 µg/L).

1.4.3 Leachate

Leachate samples were collected in 1979, 1980, 1981, 1982, 1990, 1991, 1992, 1995, 1999, 2007, 2008, 2010 and 2011. Samples collected between October 1, 1981 and March 23, 1982 were to comply with the requirements of the Order on Consent. Results for samples collected since 2007 were obtained from AECOM reports.

The historical results of the leachate sample analyses are summarized in Table 1-2. Since the leachate is emanating from groundwater flow into the collection pipe, NYSDEC groundwater SCGs are used for comparison. Compounds detected in the leachate exceeding TOGS 1.1.1 Class GA SCGs include: atrazine, pentachlorophenol, phenol, aldrin, dieldrin, gamma-BHC, gamma chlordane, silvex and 2,4-D. Demeton, fensulfothion and ronnel were also detected but have no Class GA standards or guidance values, while 2,4,5-T concentrations were below the Class GA standard.

The highest concentrations of atrazine, pentachlorophenol, phenol, silvex and 2,4-D were in samples collected in 1982 or earlier. The highest concentrations of aldrin, dieldrin, gamma-BHC and gamma-chlordane were in the November 1999 sample. Pentachlorophenol and phenol have not been detected in the leachate samples since March of 1982, while silvex has not exceeded criteria or been detected since February 2010. The October 2011 samples only had exceedances for atrazine, aldrin and dieldrin. The December 2011 *Annual Review Report* (AECOM, December 2011) indicated flow from the leachate collection system pipe was approximately 3 to 4 gallons per minute. AECOM noted this was the highest flow rate observed since they started sampling the leachate in August 2007.

1.5 Objectives of the RI

The objective of the RI is to define the horizontal and vertical extent of contamination related to the Site in surface, shallow and subsurface soil and also the overburden groundwater. The results of the two phases of this investigation, together with data from previous investigations will be used to develop remedial action objectives and support the selection of an appropriate remedial action to address contamination related to the Site.

2.0 REMEDIAL INVESTIGATION FIELD ACTIVITIES

Two phases of field activities were performed. RI Phase I field activities were performed between May 13 and June 13, 2013. RI Phase II field activities were performed between April 28 and May 15, 2014. The locations of all surface soil samples, hand augered soil samples, soil borings and monitoring wells are shown on Figure 2-1. The field activities, by RI Phase are discussed below.

2.1 RI PHASE I

2.1.1 Site Clearing and Storage

Prior to Site work, a URS subcontractor (Angelo's Hauling & Landscaping of Ballston Spa, NY) cleared and chipped all brush and small trees on the Site. A temporary storage unit was mobilized to the Site by A-Verdi Storage Containers, LLC of Savannah, NY. The storage unit was placed at the southwest corner of the Site. A temporary toilet facility was provided by Stone Industries, LLC and removed from the Site after groundwater sampling was completed. The storage unit was demobilized from the Site after the RI Phase I investigation derived waste (IDW) was removed from the Site by Frank's Vacuum Truck Service, Inc. (Frank's Vac), of Niagara Falls, NY.

2.1.2 Utility Clearance

Prior to site work, the drilling and geophysical subcontractors arranged for the appropriate utility clearance mark-outs. This included (but was not limited to) contacting the Dig-Safely-New York number – 1-800-962-7962 or 811.

2.1.3 Geophysical Survey

On May 13, 2013, Radar Solutions International (RSI) of Waltham, Massachusetts mobilized a three-person crew to conduct ground penetrating radar (GPR) and electromagnetic (EM) EM-61 and EM-31 geophysical surveys at the Site. The purpose of the geophysical surveys were to: screen for and identify the presence/location of underground utilities in areas where monitoring well installations were proposed; to locate the building footprint; and to identify any anomalies on the Site. A URS representative supervised RSI.

GPR data were collected along orthogonal lines (i.e., along both the north-south and east-west directions) spaced every 2.5 feet apart. The EM-61 survey was conducted in the east-west direction, with data being collected 5 times per second along lines spaced 2.5 feet apart. The EM-

31 survey was conducted along lines oriented north-south, along line spacings of 5 feet. Due to the brush in the western portion of the area of investigation and the wheeled delivery systems used to collect both EM-61 and GPR data, these data could not be collected from the foundation wall to approximately 30 feet east. However, as the EM-31 terrain conductivity meter is conveyed by physically carrying the unit and walking down survey lines, RSI personnel were able to survey up to the foundation wall using this device. A Geophysical Survey Systems, Inc. (GSSI) SIR-2000 digital radar system was used to perform the GPR survey. The electromagnetic induction equipment used to determine the location of buried utilities and/or metal was a Geonics EM-61 MK2 metal detector. The terrain conductivity survey was performed using a Geonics Model EM31-DL Terrain Conductivity Meter.

The GPR signal penetrated a maximum depth of 10 feet bgs at this Site, although, there were areas where penetration depths of only 3 to 4 feet bgs were observed. Typically, GPR signal penetration was between a depth of 5 and 8 feet bgs. The highest metal content below ground surface (bgs) was observed near the southwestern corner of the Site. This is most likely a result of interference from the above-ground metal storage container placed in that area.

In summary, no evidence of buried drums or underground storage tanks were observed. The survey was not able to outline the foundation footprint. Up to seven feet of fill thickness was identified by the survey. Buried railroad ties appeared to be present on eastern side of the Site. RSI's report can be found in Appendix C.

2.1.4 Soil Sampling

During RI Phase I fieldwork, soil samples were collected from the following intervals:

a) Shallow – 0 to 2 feet bgs; and
b) Subsurface – 2 feet or more bgs.

2.1.4.1 Site Sampling

During the RI Phase I fieldwork, shallow soil samples plus quality assurance/quality control (QA/QC) samples were collected from 15 locations. Shallow soils were collected from the interval 0 to 6 inches bgs at both Site monitoring well locations (MW-02, MW-03), each soil boring location (SB-01, SB-02, SB-03, SB-04, SB-05, SB-06 and SB-07) and six additional locations (SS-01 through SS-06). Two samples plus a field duplicate were collected at location SS-04. The locations are shown on Figure 2-1.

Shallow soil samples were collected using a decontaminated long handled steel shovel. Prior to sample collection the surface vegetation was removed. Samples were placed directly into the appropriate sample containers. Upon completion of the shallow soil sampling, the hole was backfilled with the excess soil removed and the vegetation replaced. Copies of URS' daily field notes are provided in Appendix D.

The shallow soil samples were shipped via FedEx Corporation (FedEx) under chain-of-custody (COC) control to URS' standby subcontractor H2M Labs, Inc. (H2M) of Melville, New York, which is a NYSDOH Environmental Laboratory Approval Program (ELAP) accredited laboratory. The shallow soil samples were analyzed for:

- Target Compound List (TCL) volatile organic compounds (VOCs) plus tentatively identified compounds (TICs) by USEPA Method 8260B;
- TCL SVOCs plus TICs by USEPA Method 8270C;
- TCL pesticides by USEPA Method 8081A;
- organophosphorous pesticides by USEPA Method 8141A;
- chlorinated herbicides by USEPA Method 8151B;
- polychlorinated biphenyls (PCBs) by USEPA Method 8082; and
- Target Analyte List (TAL) Metals by USEPA Method 6010B/7471A.

A listing of analytical methods and associated parameters may be found in Table 2-1.

2.1.4.2 Off-Site Sampling

During the RI Phase I fieldwork, hand augered soil samples plus QA/QC samples were collected from five locations (HA-01 through HA-05) along the western side of the foundation wall. Two soil samples were collected from each hand augered location: one shallow at approximately 0 to 2 feet bgs; and the second a subsurface from approximately 2 to 4 feet bgs. The locations are shown on Figure 2-1. The ground elevation of the hand augered sample locations are approximately 4 to 8 feet below the Site's ground elevation, starting at the southern side going north, respectively.

Soil samples were collected at each location using a decontaminated stainless steel 3¼-inch inside diameter (I.D.) hand auger. Prior to sample collection any surface vegetation, debris or rocks were pried loose and removed with a decontaminated pry bar and/or shovel. With the exception of VOC samples, soil was removed from the auger bucket and placed in a decontaminated stainless steel bowl, homogenized with a decontaminated stainless steel spoon

and placed in the appropriate sample containers. VOC samples were collected by scooping soil directly from the hole or from the auger bucket into VOC containers with as little disturbance as possible. Upon completion of the soil sampling, the hole was backfilled with the excess soil (without rocks) and the vegetation replaced. Photographs of the hand auger locations can be found in Appendix E. Copies of URS' daily field notes are provided in Appendix D.

The soil samples were shipped via FedEx under COC control to URS' standby subcontractor H2M. The soil samples were analyzed for:

- TCL VOCs plus TICs by USEPA Method 8260B;
- TCL SVOCs plus TICs by USEPA Method 8270C;
- TCL pesticides by USEPA Method 8081A;
- organophosphorous pesticides by USEPA Method 8141A;
- chlorinated herbicides by USEPA Method 8151B;
- PCBs by USEPA Method 8082; and
- TAL Metals by USEPA Method 6010B/7471A.

2.1.5 Groundwater Monitoring Well Installation/Soil Borings

The following sections describe the monitoring well installation and soil boring events during the RI Phase I fieldwork.

2.1.5.1 Pre-Boring Clearing

Prior to any intrusive activities, the subcontractors obtained all necessary permits (e.g., water use permits) for conducting intrusive activities. Off-site borings were pre-cleared by hand using a pry bar, hand auger and/or posthole digger to a depth of approximately 4 feet bgs. Since the utility mark-outs and geophysical survey did not identify any utilities or anomalies on-site, pre-boring clearing of the Site boring locations was not necessary.

2.1.5.2 Soil Borings

For the RI Phase I field activities, SJB Services, Inc. (SJB) of Ballston Spa, New York mobilized a CME-550X rubber tire, all-terrain vehicle-mounted drill rig to the Site on May 13, 2013. A total of 13 soil borings/monitoring wells were advanced (SB-01 through SB-07 and MW-01 through MW-06).

The soil boring/monitoring well locations were advanced to a maximum depth of approximately 30 feet bgs using 4¼-inch I.D. augers. Split-spoon samples were collected

continuously using standard penetration techniques [ASTM International (ASTM) D1586-84] from the ground surface to the bottom of each boring. All soil samples were visually described and classified, inspected for signs of contamination, screened with a photoionization detector (PID) for the presence of organic vapors, and documented on a boring log by the URS geologist.

With the exception of the downgradient monitoring well locations (i.e., MW-04, MW-05 and MW-06), a soil sample was collected from each split-spoon (i.e., every 2-foot interval). One shallow and up to 10 subsurface soil samples were collected from each location. Only one soil sample was collected from the interval just above water table at the downgradient monitoring well locations (i.e., MW-04, MW-05 and MW-06) because there were no odors, staining, or elevated PID readings encountered at these locations.

Split-spoons were decontaminated with a non-phosphate detergent and potable water between each sample collected. Down-hole equipment was decontaminated with a steam cleaner between each soil boring/monitoring well location. Photographs of drilling activities are provided in Appendix E. Copies of URS' daily field notes are provided in Appendix D and soil boring logs are provided in Appendix F.

Soil borings that were not converted to monitoring wells were backfilled with bentonite grout to approximately 0.5 feet bgs. The top 0.5 feet was backfilled with topsoil to match pre-existing conditions.

The soil samples were shipped via FedEx under COC control to H2M. The soil samples were analyzed for:

- TCL VOCs plus TICs by USEPA Method 8260B;
- TCL SVOCs plus TICs by USEPA Method 8270C;
- TCL pesticides by USEPA Method 8081A;
- organophosphorous pesticides by USEPA Method 8141A;
- chlorinated herbicides by USEPA Method 8151B;
- TCL PCBs by USEPA Method 8082; and
- TAL Metals by USEPA Method 6010B/7471A.

Because of limited soil recovery in the split-spoons, several samples did not have VOCs and/or metal analyzed. All IDW generated from the soil boring/monitoring well installation was containerized in United States (U.S.) Department of Transportation (DOT) approved 55-gallon drums. The drums were stored in the temporary on-site storage unit prior to off-site disposal.

2.1.5.3 Monitoring Well Construction

All monitoring wells installed during the RI Phase I field activities were constructed using the following methodology.

A total of six two-inch monitoring wells were constructed during RI Phase I field activities. Each monitoring well was constructed with 10 feet of 2-inch I.D., Schedule 40 polyvinyl chloride (PVC) 0.010-inch slot screen and approximately 5 feet of 2-inch I.D., Schedule 40 PVC riser. The bottom of the screen was set at the approximate depth of 15 feet bgs. A 0 size sand pack was installed from the bottom of the well up to 2 feet above the top of the well screen. A bentonite seal was then installed around the riser to an elevation of 1-foot below grade using $^{3}/_{8}$-inch bentonite chips.

Each monitoring well was finished with a well cap, a 1-foot square concrete apron, and a flush-mounted curb box. The concrete apron for each well pad was approximately 6 inches thick. Monitoring well construction logs are provided in Appendix G.

2.1.5.4 Monitoring Well Development

All monitoring wells installed during the RI Phase I field activities were developed using the following methodologies.

At least 24 hours after the monitoring wells were installed, the wells were initially developed by URS personnel using a stainless steel bailer. The wells were also developed by overpumping using a whale pump with dedicated/disposable polyethylene (PE) tubing. During well development, water quality parameters (pH, specific conductivity, temperature, turbidity) were measured using a Hanna 991301 Multiparameter Meter and a Lamotte 2020 turbidimeter and recorded.

A monitoring well was considered developed when a minimum of five well volumes was removed, and water quality parameters had stabilized. Several of the wells were pumped to dryness. The monitoring well development logs may be found in Appendix H. All water generated during monitoring well development activities were containerized in DOT approved 55-gallon drums and stored in the temporary storage unit prior to off-site disposal.

2.1.6 Groundwater Level Measurements

Water levels were measured using a 100-foot long Solinst Model 101 water level meter. The water levels were measured prior to performing the slug test. Additionally, water levels were measured prior to well purging and sampling. Water level measurements from the field notes and purge logs are provided in Table 2-2 and discussed in Section 3.4.

2.1.7 Aquifer Testing

2.1.7.1 Slug Testing

During RI Phase I activities, slug testing was conducted on all monitoring wells to estimate the horizontal hydraulic conductivity within the fill material. Falling head tests were performed by recording the initial water level in the well, lowering a pressure transducer/data logger (In-situ MiniTroll) into the well, inserting a decontaminated slug to raise the water level in the well, and recording the water level over time until it returned to the original static level. Rising head tests were performed immediately following completion of the falling head test. With the slug already in the water column, the static water level was recorded, the slug was then removed, and water level readings were taken as the water level gradually returned to static condition. Slug tests were first performed on May 28, 2013. Based on the observations, a second set of slug tests were attempted at MW-05 and MW-06 on May 30, 2013. Aquifer testing data and results are provided in Appendix I and discussed in Section 3.4.1.

2.1.8 Groundwater Sampling

Groundwater samples were collected on June 6-7, 2013 from six monitoring wells plus QA/QC samples. The samples were collected from the monitoring wells using low-flow sampling procedures. Prior to sample collection, standing water was purged from each well with a GeoTech peristaltic pump using dedicated/disposable PE tubing. Wells were purged at a rate of 1-liter per minute or less and the purge rate was adjusted to minimize draw down. During the purging of the well, water quality parameters (pH, specific conductivity, temperature, dissolved oxygen, turbidity) were measured using a Horiba U-22 Multiparameter Instrument with a flow-through cell and documented on a purge log. Samples were collected after the water quality parameters stabilized. Purge logs are provided in Appendix J. Purge water was collected in DOT approved 55-gallon drums, and stored in the temporary storage unit prior to off-site disposal.

The groundwater samples were shipped via FedEx under COC control to H2M. All groundwater samples were analyzed for:

- TCL VOCs plus TICs by USEPA Method 8260B;
- TCL SVOCs plus TICs by USEPA Method 8270C;
- TCL pesticides by USEPA Method 8081A;
- organophosphorous pesticides by USEPA Method 8141A;
- chlorinated herbicides by USEPA Method 8151B;
- TCL PCBs by USEPA Method 8082; and
- TAL metals (total) by USEPA Method 6010B/7470A.

2.1.9 Investigation Derived Waste and Disposal

All IDW generated during RI Phase I fieldwork was containerized in U.S. DOT approved 55-gallon drums and stored in the temporary storage unit. Two soil composite samples from the soil drums and one composite sample from the water drums were collected (May 23, 2013) and shipped via FedEx under COC control to H2M for disposal parameter analysis. The samples were analyzed for:

- Toxicity characteristic leaching procedure (TCLP) VOCs by USEPA Method 1311/8260B;
- TCLP SVOCs by USEPA Method 1311/8270C;
- TCLP pesticides by USEPA Method 1311/8081A;
- TCLP herbicides by USEPA Method 1311/8151B;
- TCLP metals, by USEPA Method 1311/6010B/7470A;
- ignitability by USEPA Method 1010;
- corrosivity by USEPA Method 9045; and
- reactivity by USEPA SW846 Chapter 7, Section 7.3.

Based on the analytical results, all RI Phase I IDW was determined to be non-hazardous. A summary of the detected analytical results is provided in Table 2-3. Frank's Vac was contracted by URS for the pick-up and disposal of all IDW. On June 13, 2013 Frank's Vac picked-up all RI Phase I IDW and transported the drums to the disposal facility.

2.1.10 Site Survey

A Site survey was performed at the completion of the RI Phase I field event. The survey included all shallow soil, soil borings (with a drill rig or by hand auger), and monitoring wells

installed for location and elevation. The survey provides 20-scale mapping and include site features such as building corners, fencing, edge of pavement, utilities (e.g., manholes, valves, hydrants), property lines (from tax maps) and other relevant site features. All surveying was performed under the supervision of a New York State licensed land surveyor by URS subcontractor, YEC, Inc. (YEC) of Valley Cottage, New York. Horizontal datum is North American Datum of 1983 (NAD83). Vertical datum is North American Vertical Datum 1988 (NAVD 1988) derived from GEOID03 (Conus). Horizontal and vertical control are established from the New York State Plane Coordinate System (NYSPCS) NAD83 – New York East Zone #3101 and NAVD 1988 based on the surveyor's global positioning system (GPS) observations. A printed copy of YEC's survey point file is provided in Appendix L. A survey drawing is provided in Appendix M.

2.2 RI PHASE II

Based on the review of the results from Phase I of the RI, recommendations for additional fieldwork were provided by URS, with input from the NYSDEC and NYSDOH project managers. A revised RI Phase II scope of work was submitted to the NYSDEC for review on April 21, 2014 and approved on April 22, 2014. RI Phase II fieldwork included the installation of an additional four monitoring wells, the collection and analysis of surface soil, shallow soil and subsurface soil samples from the adjacent residential properties (off-site) and on the Site and the sampling and analysis of groundwater from the six existing and four new monitoring wells. It also included the collection and analysis of leachate from the leachate collection system. The analytical parameter list was reduced by discontinuing PCB analysis for all new samples and the organophosphorous pesticides analysis for all but the leachate sample. These parameters were discontinued because there were no detections of these compounds in any of the RI Phase I Site or off-site samples. RI Phase II fieldwork was performed from April 28 to May 15, 2014.

2.2.1 Site Storage

A temporary storage unit was mobilized to the Site by A-Verdi Storage Containers. The storage unit was placed at the southwest corner of the Site. A temporary toilet facility was provided by Stone Industries and removed from the Site after groundwater sampling was completed. The storage unit was demobilized from the Site after the RI Phase II IDW was removed from the Site.

2.2.2 Utility Clearance

Prior to site work, the drilling subcontractor arranged for the appropriate utility clearance mark-outs. This included (but was not limited to) contacting the Dig-Safely-New York number – 1-800-962-7962 or 811.

2.2.3 Soil Sampling

During RI Phase II fieldwork, soil samples were collected from the following intervals:

a) Surface – 0 to 2 inches bgs;

b) Shallow – 0 to 2 feet bgs; and

c) Subsurface – 2 feet or more bgs.

2.2.3.1 Surface Soil Sampling

During the RI Phase II fieldwork, surface soil samples plus QA/QC samples were collected from six off-site locations on the adjacent residential properties along Court Street and Walnut Street. Four of these locations (HA-06 though HA-09) are approximately twenty feet west of the five hand-augered locations collected during RI Phase I field activities. Two locations (HA-11 and HA-10) are approximately ten and twenty feet north, respectively, of previous location HA-05. Surface soils samples were collected from the interval 0 to 2 inches bgs at locations HA-06 through HA-11. The locations are shown on Figure 2-1.

Surface soil samples were collected using a decontaminated steel trowel. The surface vegetation was removed and samples were then collected from the 0 to 2-inch bgs interval. Samples were placed directly into the appropriate sample containers. Upon completion of the surface soil sampling, the shallow and subsurface samples were collected as described in Section 2.2.3.2. Copies of URS' daily field notes are provided in Appendix D.

The surface soil samples were transported under COC by URS' standby subcontractor Pace Analytical (formerly H2M). The surface soil samples were analyzed for:

- TCL VOCs plus TICs by USEPA Method 8260B;
- TCL SVOCs plus TICs by USEPA Method 8270C;
- TCL pesticides by USEPA Method 8081A;
- chlorinated herbicides by USEPA Method 8151B; and
- TAL Metals by USEPA Method 6010B/7471A.

A listing of analytical methods and associated parameters may be found in Table 2-1.

2.2.3.2 Shallow and Subsurface Soil Sampling

During the RI Phase II fieldwork, hand augered soil samples plus QA/QC samples were collected from five off-site locations (HA-06 through HA-10). Two soil samples were collected from each hand augered location: one at approximately 0 to 2 feet bgs; and the second from approximately 2 to 4 feet bgs. Shallow and subsurface samples were not collected from location HA-11 because at six inches bgs, a pipe was encountered. The location was offset approximately 2 feet south, however stone fill was encountered down to two feet bgs. Hand augering was therefore discontinued at this location. The total depth of stone was not determined.

Soil samples were collected at each location using a decontaminated stainless steel 3¼-inch I.D. hand auger. Prior to sample collection any debris or rocks were pried loose and removed with a decontaminated pry bar and/or shovel. With the exception of VOC samples, soil was removed from the auger bucket and placed in a decontaminated stainless steel bowl, homogenized with a decontaminated stainless steel spoon and placed in the appropriate sample containers. VOC samples were collected by scooping soil directly from the hole or from the auger bucket into VOC containers with as little disturbance as possible. Upon completion of the soil sampling, the hole was backfilled with the excess soil and the vegetation was replaced. Photographs of hand auger locations HA-09 and HA-11 can be found in Appendix E. Copies of URS' daily field notes are provided in Appendix D.

The soil samples were transported under COC by Pace Analytical. The soil samples were analyzed for:

- TCL VOCs plus TICs by USEPA Method 8260B;
- TCL SVOCs plus TICs by USEPA Method 8270C;
- TCL pesticides by USEPA Method 8081A;
- chlorinated herbicides by USEPA Method 8151B; and
- TAL Metals by USEPA Method 6010B/7471A.

2.2.4 Groundwater Monitoring Well Installation

The following sections describe the monitoring well installation events during the RI Phase II fieldwork.

2.2.4.1 Pre-Boring Clearing

Off-site borings were pre-cleared by hand using a pry bar, hand auger and/or posthole digger to a depth of approximately 4 feet bgs. Since the utility mark-outs and RI Phase I

geophysical survey did not identify any utilities or anomalies on-site, pre-boring clearing of the Site monitoring well locations (i.e., MW-08 and MW-09) was not necessary.

2.2.4.2 Soil Borings

For the RI Phase II field activities, SJB mobilized a CME-550X rubber tire, all-terrain vehicle-mounted drill rig to the Site on April 28, 2014. A total of four new monitoring wells were drilled and installed (MW-07 through MW-10).

The monitoring well locations were advanced to a maximum depth of approximately 16 feet bgs using 4¼-inch I.D. augers. Split-spoon samples were collected continuously using standard penetration techniques (ASTM D1586-84) from the ground surface to the bottom of each boring. All soil samples were visually described and classified, inspected for signs of contamination, screened with a PID for the presence of organic vapors, and documented on a boring log by the URS geologist.

With the exception of Site monitoring well location MW-08, a soil sample was collected from each split-spoon (i.e., every 2-foot interval). No samples were collected from monitoring well location MW-08 because it was installed at approximately the same location as RI Phase I boring SB-04.

Split-spoons were decontaminated with a non-phosphate detergent and potable water between each sample collected. Down-hole equipment was decontaminated with a steam cleaner between each soil boring/monitoring well location. Photographs of drilling activities are provided in Appendix E. Copies of URS' daily field notes are provided in Appendix D and soil boring logs are provided in Appendix F.

The soil samples were transported under COC by Pace Analytical. The soil samples were analyzed for:

- TCL VOCs plus TICs by USEPA Method 8260B;
- TCL SVOCs plus TICs by USEPA Method 8270C;
- TCL pesticides by USEPA Method 8081A;
- chlorinated herbicides by USEPA Method 8151B; and
- TAL Metals by USEPA Method 6010B/7471A.

All IDW generated from the soil boring/monitoring well installation was containerized in U.S. DOT approved 55-gallon drums. The drums were stored in the temporary on-site storage unit prior to off-site disposal.

2.2.4.3 Monitoring Well Construction

A total of four new monitoring wells were constructed during RI Phase II field activities using the following methodology.

Each monitoring well was constructed with 10 feet (5 feet at MW-10) of 2-inch I.D., Schedule 40 PVC 0.010-inch slot screen and approximately 5 feet of 2-inch I.D., Schedule 40 PVC riser. The bottom of the screen was set at the approximate depth of 15 feet bgs (9 feet bgs at location MW-10). A 0 size sand pack was installed from the bottom of the well up to 2 feet above the top of the well screen. A bentonite seal was then installed around the riser to an elevation of 1-foot below grade using $^{3}/_{8}$-inch bentonite chips.

Each monitoring well was finished with a well cap, a 1-foot square concrete apron, and a flush-mounted curb box. The concrete apron for each well pad was approximately 6 inches thick. Monitoring well construction logs are provided in Appendix G.

2.2.4.4 Monitoring Well Development

All monitoring wells installed during the RI Phase II field activities were developed using the following methodologies.

At least 24 hours after the monitoring wells were installed, the wells were developed by URS personnel by overpumping using a whale pump with dedicated/disposable PE tubing. During well development, water quality parameters (pH, specific conductivity, temperature, turbidity) were measured using a Hanna 991301 Multiparameter Meter and a Lamotte 2020 turbidimeter and recorded.

A monitoring well was considered developed when a minimum of five well volumes was removed, and water quality parameters had stabilized. Monitoring wells MW-07 and MW-10 were pumped to dryness and allowed to recharge for additional well development. The well development logs may be found in Appendix H. All water generated during monitoring well development activities were containerized in DOT approved 55-gallon drums and stored in the temporary storage unit prior to off-site disposal.

2.2.5 Groundwater Level Measurements

Water levels were measured using a 100-foot long Solinst Model 101 water level meter. The water levels were measured on May 6, 2014, prior to the commencement of groundwater sampling. Water level measurements are provided in Table 2-2 and discussed in Section 3.4.

2.2.6 Groundwater Sampling

Groundwater samples were collected on May 6-7, 2014 from ten (six existing and four new) monitoring wells plus QA/QC samples. The samples were collected from the monitoring wells using low-flow sampling procedures. Prior to sample collection, standing water was purged from each well with a GeoTech peristaltic pump using dedicated/disposable PE tubing. Wells were purged at a rate of 1-liter per minute or less and the purge rate was adjusted to minimize draw down. During the purging of the well, water quality parameters (pH, specific conductivity, temperature, dissolved oxygen, turbidity) were measured using a Horiba U-22 Multiparameter Instrument with a flow-through cell and documented on a purge log. Samples were collected after the water quality parameters stabilized. Purge logs are provided in Appendix J. Purge water was collected into DOT approved 55-gallon drums, and stored in the temporary storage unit prior to off-site disposal.

The groundwater samples were transported under COC by Pace Analytical. All groundwater samples were analyzed for:

- TCL VOCs plus TICs by USEPA Method 8260B;
- TCL SVOCs plus TICs by USEPA Method 8270C;
- TCL pesticides by USEPA Method 8081A;
- chlorinated herbicides by USEPA Method 8151B; and
- TAL metals (total) by USEPA Method 6010B/7470A.

2.2.7 Leachate Sampling

A leachate sample plus a field duplicate was collected on May 7, 2014. A sample was collected directly from the discharge pipe located in the leachate collection sump manhole located on the north edge of the collection system near Walnut Street. Photographs of the manhole and discharge pipe can be found in Appendices A and E. The sample was collected into a clean glass 4-liter container and then transferred from the 4-liter container into laboratory provided bottles. Based on the time it took to fill the 4-liter container, the flow rate of water from the leachate discharge pipe was estimated to be approximately 1 liter per minute. The leachate sample was transported under COC by Pace Analytical. The sample and field duplicate were analyzed for:

- TCL VOCs plus TICs by USEPA Method 8260B;
- TCL SVOCs plus TICs by USEPA Method 8270C;
- TCL pesticides by USEPA Method 8081A;

- organophosphorous pesticides by USEPA Method 8141A;
- chlorinated herbicides by USEPA Method 8151B; and
- TAL metals (total) by USEPA Method 6010B/7470A.

2.2.8 Investigation Derived Waste and Disposal

All IDW generated during RI Phase II fieldwork was containerized in U.S. DOT approved 55-gallon drums and stored in the temporary storage unit. All IDW was determined to be non-hazardous based on the RI Phase II boring locations and the analytical results from the RI Phase I fieldwork provided on Table 2-3. On May 15, 2014 Frank's Vac picked-up all RI Phase II IDW and transported the drums to the disposal facility. A copy of the non-hazardous manifest and bill of lading are provided in Appendix K.

2.2.9 Site Survey

The Site survey was updated by YEC at the completion of the RI Phase II field event. The survey included all new surface soil/hand auger locations and monitoring wells installed for location and elevation. A printed copy of YEC's survey point file is provided in Appendix L. A survey drawing is provided in Appendix M.

3.0 PHYSICAL CHARACTERISTICS OF THE STUDY AREA AND GEOLOGY

This section discusses the physical characteristics of the study area including demography and land use, surface features, regional and site geology, groundwater and hydrogeology, surface water and hydrology, and utilities.

3.1 Demography and Land Use

The Site is located in the Village of Ballston Spa, Saratoga County, New York as shown on Figure 1-1. Ballston Spa is located about 25 miles north of Albany, New York. The U.S. Census Bureau 2013 population estimate for Ballston Spa was 5,459 people. The site is bordered by residences and commercial properties. A former railroad line and spur are located along the eastern and northern boundaries of the property. Commercial properties are located south and east of the Site. Residences are located along Court, Walnut and Front Streets, west and northwest of the Site. Properties to the west and northwest are zoned residential (R-2). The Site and all properties east and northeast are zoned commercial business district (CBD) as indicated on the on the tax map ID/property data provided in Appendix N.

3.1.1 Surface Features

The Site is approximately 0.29 acres in areal extent. The topography of the Site area generally slopes downward to the northwest toward the intersection of Front Street and Court Street. The Site is mostly grass covered with mature trees in the northwest corner. A former rail bed is located along the eastern boundary of the Old Agway Store property. A concrete foundation wall defines the western boundary of the Old Agway Store property. The wall rises four to eight feet above the backyard of the Court Street residences (see Figure 1-2). The bottom depth of the foundation on its western side is unknown.

3.2 Regional Geology

The Site is located within the Hudson-Mohawk Lowlands physiographic province of New York State (Isachsen, et al., 2000). The Site area lies between the Adirondack Mountains on the northwest, the Taconic Mountains on the east, and the Helderberg Plateau on the southwest. The Site is situated in the northern portion of the Appalachian Basin. The bedrock in the area consists of Ordovician age shale and greywacke sedimentary rocks (Helsig, 1994). Several deep channels dissect the bedrock surface in the area (Dineen and Rogers, 1979). The overburden soil in the Ballston Spa area has been mapped as Pleistocene age Glacial Lake Quaker Springs sand

and silt surficial deposits (Dineen and Rogers, 1979). The Village of Ballston Spa is supplied by groundwater pumped from the Milton glaciolacustrine deltaic deposits (Helsig, 1994).

3.3 Site Geology

The surficial deposits at the Site consist of fill material that overlies glacial sediments. The fill material consists of an upper and lower layer. The upper layer consists of an approximately 3 to 6 foot thickness of clean, light brown, fine sand (presumably used to cover the remains of the former Agway Store building). The clean sand overlies the lower fill layer which consists of building demolition debris (i.e., dark gray to black, fine sand and clayey silt, which contains some fine gravel and cinders, charred wood, and traces of ash particles and pieces of concrete). The overall fill material thickness ranges from 3 feet in off-site monitoring well MW-01 up to 15 feet in soil boring SB-05 located near the western edge of the Site, near the former Agway building foundation wall. The fill material overlies glacial deposits which are mostly clayey silt that contains some sand and some to trace amounts of gravel. There are minor, discontinuous beds of silty fine sand, silty clay and silty gravel observed in a few borings. Seven soil borings (SB-01 through SB-07) were advanced and four monitoring wells (MW-02, MW-03, MW-08 and MW-09) were installed on the Site. Six of the borings had a total depth of 20 feet bgs. The monitoring wells were installed to a maximum depth of 20 feet bgs. One deeper boring (SB-01) was advanced to refusal at 22.8 feet bgs. A goal while drilling SB-01 was to find the depth to bedrock at the Site. The boring may have reached refusal on bedrock or a boulder. The depth of bedrock beneath the site was not confirmed. Figure 3-1 presents the location of hand augered, soil boring and monitoring wells on a cross-section developed during the RI. Cross-section A-A' is presented on Figure 3-2. The cross-section shows the topography and stratigraphy of the Site and surrounding area, as well as the depth to groundwater from the groundwater levels observed May 6, 2014.

3.4 Groundwater Levels and Hydrogeology

The primary hydrogeologic unit identified beneath the investigation area is an unconfined aquifer which is found in the sandy fill layer and the underlying clayey silt layer. The water table surface is located approximately 2 to 6 feet bgs. On May 28, 2013, a round of synoptic groundwater level measurements was obtained from the six monitoring wells. On May 6, 2014 a round of synoptic groundwater level measurements was obtained from the ten monitoring wells. All sets of water level measurements are provided in Table 2-2. A potentiometric surface map based on the May 28, 2013 and May 6, 2014 water level measurements from the overburden

wells, using a 1-foot contour interval, is provided in Figures 3-3 and 3-4, respectively. The June 6-7, 2013 measurements are not plotted because more than 24 hours elapsed between the first and last measurement.

The groundwater flow in the overburden was similar during both May 2013 and May 2014, flowing to the west towards Court Street and to the northwest toward Front Street. The groundwater surface drops steeply away from the Site, roughly following the surface topography of the area. On May 6, 2014, the elevation of groundwater in the upgradient well MW-01 was measured at 287.95 feet above mean sea level (amsl) and in the downgradient well MW-05 at 266.15 feet amsl - approximately 22 feet lower than at MW-01. Horizontal hydraulic gradients range from 0.0016 to 0.0915 foot per foot (ft/ft).

3.4.1 Slug Test Results

Representative slug test results are presented on Table 3-1. Horizontal hydraulic conductivity values for the shallow overburden range from 3.14×10^{-7} centimeters per second (cm/sec) to 7.81×10^{-4} cm/sec. The mean horizontal hydraulic conductivity was 1.65×10^{-5} cm/sec. Of the monitoring wells slug tested, only MW-02 and MW-03 straddle the fill layer. Slug test results in these two monitoring wells were relatively higher (5.34×10^{-5} and 7.81×10^{-4} cm/sec, respectively; mean of 2×10^{-4} cm/sec) as compared to the other slug test results. MW-01, MW-04 and MW-05 were generally screened in the clayey silt layer below the fill layer and had generally lower hydraulic conductivities (2×10^{-6}, 4.74×10^{-5}, 3.14×10^{-7} cm/sec, respectively; mean of 3.1×10^{-6} cm/sec).

3.5 Surface Water and Hydrology

The Site is located approximately 500 feet south of Gordon Creek that flows to the northeast through Ballston Spa. Gordon Creek is joined by Kayaderosseras Creek in the northern side of Ballston Spa. The streams are part of the Upper Hudson River drainage basin.

Gordon Creek and Kayaderosseras Creek are classified as Class C (fresh surface waters) surface water bodies per 6NYCRR Part 941 [*Upper Hudson River Drainage Basin* (i.e., Subpart 941.6, Table I).] The best usage of Class C waters is primary and secondary contact recreation and fishing. These waters shall be suitable for fish, shellfish, and wildlife propagation and survival.

3.6 Utilities

There are no buried utilities on the Old Agway Store property. There are no overhead electric or communication lines on the Site. Overhead wires are located east-west along the south side of Galway Street, north-south along the west side of the foundation wall and east-west along the north side of Walnut Street.

4.0 NATURE AND EXTENT OF CONTAMINATION

The following sections discuss the results of the soil, groundwater and leachate sample analyses from all RI fieldwork at the Site.

The laboratory provided deliverable data packages that were equivalent to NYSDEC Analytical Services Protocol (ASP) Category B requirements. A Data Usability Summary Report (DUSR) was prepared following the guidelines provided in NYSDEC Division of Environmental Remediation (DER) *DER-10 Technical Guidance for Site Investigation and Remediation*, Appendix 2B - Guidance for Data Deliverables and the Development of Data Usability Summary Reports (NYSDEC, May 2010) and are located in Appendix O on CD. Data summary tables are provided in the DUSRs and include the reporting limit for each non-detected compound.

Solid and aqueous IDW samples were collected during the RI Phase I for disposal purposes only, thus, the data were not validated and are not included in the DUSR.

4.1 Standards, Criteria and Guidance Values

For each medium, detected concentrations of individual contaminants were compared to applicable SCGs. The Site-specific SCGs were determined for the individual media as discussed in the following sections.

4.1.1 Soil

The discussion of the soil sample results have been subdivided into three intervals: samples collected from the 0 to 2-inch bgs interval (surface soil); samples collected between the 0 to 2-foot bgs interval (shallow soil); and samples collected from the two-foot bgs or more interval (subsurface soil).

Two sources of soil SCGs are considered appropriate for this Site: 6NYCRR Part 375, Environmental Remediation Programs, Subpart 375-6, *Remedial Program Soil Cleanup Objectives*, effective December 14, 2006; and NYSDEC Commissioner Policy (CP), CP-51/*Soil Cleanup Guidance*, effective October 21, 2010. Hereafter, mention of Part 375 includes incorporation of CP-51 criteria values. Part 375 unrestricted use criteria are considered to assist in the development of a remedial alternative capable of achieving unrestricted future use, as required by DER-10 Section 4.4 (b) 3 ii. In addition, criteria for the Protection of Groundwater are considered as SCGs for contaminants that exceed groundwater SCGs. These are identified in Section 4.0.

The zoning classification for the location of soil samples is a consideration in the determination of the appropriate soil SCGs. Soil samples were obtained from surface soil, shallow soil and subsurface soil boring locations on properties zoned CBD (commercial) and R-2 (residential). The Site is zoned CBD, while the properties adjacent to and downgradient of the Site (off-site properties) are zoned R-2. On the Site, the following SCGs were used: unrestricted use; protection of groundwater; residential use; restricted residential use; commercial use; and site background. On the off-site properties, the following SCGs were used: unrestricted use; protection of groundwater; residential use; and site background. A tax map and property data listing the zoning codes is provided in Appendix N.

4.1.2 Background Soil

Shallow background soil samples were collected at five locations: SS-01 (0-6 inches bgs) and SS-02 (0-6 inches bgs) on May 22, 2013; SS-06 (0-6 inches bgs) on May 23, 2013; MW-01 (0-2 feet bgs) on May 13, 2013; and MW-07 (0-2 feet bgs) on April 28, 2014. Subsurface background soil samples were collected from five locations: MW-01 (every 2-foot interval from 2-16 feet bgs) on May 13, 2013; MW-04 (2-4 feet bgs) on May 20, 2013; MW-05 (6-8 feet bgs) and MW-06 (2-4 feet bgs) on May 21, 2013; and MW-07 (every 2-foot interval from 2-16 feet bgs) on April 28, 2014. The shallow and subsurface soil samples were analyzed for VOCs, SVOCs, pesticides, organophosphorous pesticides, chlorinated herbicides, PCBs and metals, as discussed in Section 2. The 2014 sample analyses (i.e., location MW-07 in RI Phase II) did not include organophosphorous pesticides or PCBs because none of these compounds were detected in the RI Phase I Site and off-site soil or groundwater samples. The background soil sample locations and results exceeding unrestricted use criteria are presented on Figure 4-1.

No VOCs were detected in the shallow background soil samples. Several SVOCs including polynuclear [or polycyclic] aromatic hydrocarbons (PAHs), pesticides, metals, two herbicides and PCBs were detected in the shallow background soil samples. Two VOCs, several SVOCs, six pesticides, five herbicides and several metals were detected in the subsurface background soil samples. A summary of compounds detected in all background soil samples is provided in Table 4-1. A statistical summary of compounds detected in shallow background soil samples is provided in Table 4-2. The statistical table identifies the following: the number of samples, the number of detections; the minimum, maximum and average values; the number of samples exceeding criteria; and the location and depth of the maximum value. A statistical summary of compounds detected in subsurface background soil samples is provided in Table 4-3.

Henceforth, reference to PAHs include the one or more of following compounds: 2-methylnaphthalene, acenaphthene, acenaphthylene, anthracene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene, chrysene, dibenz(a,h)anthracene, dibenzofuran, fluoranthene, fluorene, indeno(1,2,3-cd)pyrene, naphthalene, phenanthrene and/or pyrene.

Contaminants detected above unrestricted use criteria in the shallow background soil samples include:

- SVOCs: PAHs;
- Pesticides: 4,4'-DDT; and
- Metals: calcium, chromium, copper, iron, lead, mercury and zinc.

Contaminants detected above unrestricted use criteria in the subsurface background soil samples include:

- VOCs: acetone;
- Pesticides: 4,4'-DDT; and
- Metals: aluminum, arsenic, calcium, chromium, iron, lead, mercury, selenium, silver and vanadium.

The maximum detected concentrations will be considered to be representative of site-specific background for the Site. These background soil concentrations that exceeded unrestricted use criteria will be included as soil SCGs on the soil analytical Tables 4-5 through 4-35.

4.1.3 Groundwater

The SCGs for groundwater are the Class GA standards and guidance values presented in NYSDEC TOGS 1.1.1 *Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations*, June 1998 (including subsequent revisions). These groundwater SCGs are included on the groundwater analytical tables discussed in Section 4.3.

4.2 Soil Analytical Results

A discussion of the RI Phases I and II soil analytical results is presented below. Results of soil samples from the Site are followed by a discussion of the off-site soil data. Results for all soil samples collected from 0 to 2-inches bgs are presented as surface soils. Soil samples with

sample ending depths of 0.5-feet, 1.5-feet or 2-feet bgs are presented as shallow soils. Results for soil samples collected more than 2 feet bgs are presented as subsurface soils.

4.2.1 Site Soils

Results for shallow soils and subsurface soils collected on the Site are discussed below. Surface soils were not collected on the Site.

4.2.1.1 Shallow Soil Analytical Results:

0-6 Inches, 0-1.5 Feet and 0-2 Feet

Twenty-four shallow soil samples from 13 locations were collected on the Site. The shallow soil sample results were compared to the appropriate SCGs as discussed in Section 4.1. Site soil data exceeding criteria are presented on Plate 4-1. The plate shows six criteria for the Site locations (unrestricted use, protection of groundwater, residential use, restricted residential use, commercial use and background).

A summary of the detected analytical results in all Site shallow soil samples compared to unrestricted use, protection of groundwater and residential use SCGs is presented in Table 4-4. A summary of the detected analytical results in all Site shallow soil samples compared to restricted residential use, commercial use and background SCGs are presented in Table 4-5. Tables 4-6 through 4-11 provide a statistical summary of the detected compounds for all Site shallow soil samples compared to unrestricted use, protection of groundwater, residential use, restricted residential use, commercial use and background criteria, respectively.

Compounds detected in one or more of the Site shallow soil samples include:

- VOCs (i.e., acetone, methylene chloride and toluene);
- SVOCs (i.e., PAHs, benzaldehyde, bis(2-ethylhexyl)phthalate and carbazole);
- pesticides (i.e., 4,4'-DDE, 4,4'-DDT, beta-BHC, endosulfan II and methoxychlor);
- herbicides: (i.e., 2,4,5-T, silvex, 2,4-D, 2,4-DB, dicamba and dinoseb); and
- metals (i.e., aluminum, antimony, arsenic, barium, beryllium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, mercury, nickel, potassium, selenium, vanadium and zinc).

Compounds exceeding one or more criteria in the Site shallow soil samples include:

- SVOCs (i.e., one PAH); pesticides (i.e., 4,4'-DDE and 4,4'-DDT); and

- metals (i.e., aluminum, arsenic, copper, iron and lead) as summarized below.

Unrestricted Use

No VOCs, herbicides or PCBs were detected above unrestricted use criteria in any of the Site shallow soil samples.

One PAH [i.e., benzo(b)fluoranthene] exceeded unrestricted use criteria at SS-04 (0-0.5 feet bgs).

For pesticides, unrestricted use criteria were exceeded for 4,4'-DDE and 4,4'-DDT at location SS-03 (0-0.5 feet bgs).

The following metals exceeded unrestricted use criteria: aluminum at SB-07 (0-2 feet bgs), arsenic, copper and lead at SS-03 (0-0.5 feet bgs), and iron at every location.

Protection of Groundwater

No VOCs, SVOCs, pesticides, herbicides, PCBs or metals were detected above protection of groundwater criteria in any of the Site shallow soil samples.

Residential Use

No VOCs, pesticides, herbicides or PCBs were detected above residential use criteria in any of the Site shallow soil samples. One PAH [i.e., benzo(b)fluoranthene] at location SS-04 exceeded residential use criteria. The only metal exceeding residential use criteria was iron, at every location.

Restricted Residential Use

No VOCs, pesticides, herbicides, PCBs or metals were detected above restricted residential use criteria in any of the Site shallow soil samples. One PAH [i.e., benzo(b)fluoranthene] at location SS-04 (0-0.5 feet bgs) exceeded restricted residential use criteria.

Commercial Use

No VOCs, SVOCS, pesticides, herbicides, PCBs or metals were detected above commercial use criteria in any of the Site shallow soil samples.

Site Background

Only iron exceeded shallow background soil concentrations at SS-03 (0-0.5 feet bgs) and SB-07 (0-2 feet bgs).

4.2.1.2 Subsurface Soil Analytical Results

Eighty nine subsurface soil samples were collected from 10 Site boring locations at depths between 2 and 22 feet bgs. Subsurface soil data exceeding criteria are presented on Plate 4-1. The plate shows six criteria for the Site locations (unrestricted use, protection of groundwater, residential use, restricted residential use, commercial use and background).

A summary of the detected analytical results in all Site subsurface soil samples compared to unrestricted use, protection of groundwater and residential use SCGs is presented in Table 4-12. A summary of the detected analytical results in all Site subsurface soil samples compared to restricted residential use, commercial use and background SCGs are presented in Table 4-13. Tables 4-14 through 4-19 provides a statistical summary of the detected compounds for all Site shallow soil samples compared to unrestricted use, protection of groundwater, residential use, restricted residential use, commercial use and background criteria, respectively.

Compounds detected in one or more of the Site subsurface soil samples include:

- VOCs (i.e., 4-methyl-2-pentanone, acetone, carbon disulfide, chlorobenzene, ethylbenzene, methyl ethyl ketone, methylene chloride, toluene, vinyl chloride and xylenes);
- SVOCs (i.e., PAHs, 1,1-biphenyl, 2,4,5-trichlorophenol, 2,4-dichlorophenol, o- & p-cresol, acetophenone, atrazine, benzaldehyde, bis(2-ethylhexyl)phthalate, butylbenzylphthalate, carbazole, di-n-octylphthalate, isophorone and phenol);
- pesticides (i.e., 4,4'-DDD, DDE, and DDT, aldrin, alpha-, beta-, delta- and gamma-BHC, alpha- and gamma-chlordane, dieldrin, endosulfan I and II, endosulfan sulfate, endrin, endrin aldehyde, endrin ketone, heptachlor, heptachlor epoxide and methoxychlor);
- herbicides: (i.e., 2,4,5-T, silvex, 2,4-D, 2,4-DB, dicamba, dinoseb and picrolam); and
- metals (i.e., aluminum, antimony, arsenic, barium, beryllium, cadmium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, mercury, nickel, potassium, selenium, silver, sodium, thallium, vanadium and zinc).

Compounds exceeding one or more criteria in the Site subsurface soil samples include: VOCs (i.e., acetone); SVOCs (i.e., PAHs, 2,4,5-trichlorophenol, 2,4-dichlorophenol, p-cresol and phenol); pesticides (i.e., 4,4'-DDD, DDE and DDT, aldrin, alpha-chlordane, dieldrin and endrin); herbicides (i.e., 2,4-D); and metals (i.e., aluminum, calcium, chromium, copper, iron, lead, mercury, nickel, selenium, silver, vanadium and zinc) as summarized below.

Unrestricted Use

No PCBs were detected in any of the Site subsurface soil samples.

Acetone exceeded unrestricted use criteria in six samples from 4 locations, with the highest concentration at SB-02 (6-8 feet bgs). No other VOCs exceeded unrestricted use criteria.

SVOCs detected above unrestricted use criteria include PAHs, 2,4,5-trichlorophenol, 2,4-dichlorophenol, p-cresol and phenol. The highest concentrations were at location SB-04 and SB-01 from sample intervals 8-10 feet bgs and one maximum at sample interval 6-8 feet bgs.

Pesticides detected above unrestricted use criteria included 4,4'-DDD, DDE and DDT, aldrin, alpha-chlordane, dieldrin and endrin. The highest concentrations were at locations SB-04 and SB-01 from the sample intervals 6-8 feet bgs or 8-10 feet bgs.

Herbicides detected above unrestricted use criteria included 2,4-D. The only exceedance was at location SB-01 (6-8 feet bgs).

Metals detected above unrestricted use criteria included: aluminum, calcium, chromium, copper, iron, lead, mercury, nickel, selenium, silver, vanadium and zinc. The highest concentrations were at locations SB-01, SB-02, SB-06, MW-02 and MW-09 in the intervals between 6 and 18 feet bgs.

Protection of Groundwater

Acetone exceeded protection of groundwater criteria in six samples, with the highest concentration at SB-02 (6-8 feet bgs). No other VOCs exceeded protection of groundwater criteria.

SVOCs detected above protection of groundwater criteria include: PAHs, 2,4,5-trichlorophenol, 2,4-dichlorophenol, p-cresol and phenol. The highest concentrations were at locations SB-01 and SB-04 (8-10 feet bgs).

Pesticides detected above protection of groundwater criteria include aldrin and dieldrin. The highest concentrations were at location SB-04 (8-10 feet bgs).

Herbicides detected above protection of groundwater criteria included 2,4-D. The only exceedance was at location SB-01 (6-8 feet bgs).

Metals detected above protection of groundwater criteria included lead, selenium and zinc. The highest concentrations were at location MW-09 and SB-01 in the interval between 6-10 feet bgs.

Residential Use

No VOCs or herbicides were detected above residential use criteria in any of the Site subsurface soil samples.

The SVOCs exceeding residential use criteria include PAHs, with the highest concentrations at SB-04 in the interval between 6-10 feet bgs.

The pesticides 4,4'-DDE, aldrin and dieldrin exceeded residential use criteria, with the highest concentrations at SB-01 (6-8 feet bgs) and SB-04 (8-10 feet bgs).

The metals exceeding residential use criteria are chromium, iron, lead and zinc, with the highest concentrations at locations SB-01 (6-8 feet bgs) and MW-02 (8-10 feet bgs).

Restricted Residential Use

No VOCs or herbicides were detected above restricted residential use criteria in any of the Site subsurface soil samples.

The SVOCs exceeding restricted residential use criteria include PAHs, with the highest concentrations at SB-04 (8-10 feet bgs).

The pesticides aldrin and dieldrin exceeded restricted residential use criteria, with the highest concentrations at SB-04 (8-10 feet bgs).

The metal exceeding restricted residential use criteria was lead, with the highest concentration at MW-09 (8-10 feet bgs).

Commercial Use

No VOCs, pesticides or herbicides were detected above commercial use criteria in any of the Site subsurface soil samples.

Only two PAHs (i.e., benzo(a)pyrene and benzo(b)fluoranthene) exceeded commercial use criteria, with the highest concentrations at SB-04 at 8-10 feet bgs.

Lead exceeded commercial use criteria in one sample, at location MW-09 at 8-10 feet bgs.

Site Background

No SVOCs or herbicides were detected at concentrations above site background levels in any of the Site subsurface soil samples.

Acetone exceeded the site background concentration in one sample location, SB-02 (6-8 feet bgs).

4,4'-DDT exceeded the site background concentration in seven samples, the highest at location SB-01 (6-8 feet bgs).

Calcium, iron, lead and mercury exceeded background soil concentrations, with the highest values at SB-01 (16-18 feet bgs and 6-8 feet bgs) and MW-09 (8-10 feet bgs).

4.2.2 Off-Site Soils

4.2.2.1 Surface Soil Analytical Results:

0-2 Inches

During RI Phase II, surface soil samples (0 to 2-inches bgs) were collected from six off-site locations (HA-06 through HA-11), approximately twenty feet west and north of locations HA-01 through HA-05, as shown on Figure 4-1. A summary of the detected analytical results in all off-site surface soil samples as compared to unrestricted use, protection of groundwater and residential use criteria is presented in Table 4-20. Off-site surface soil data exceeding criteria are presented on Plate 4-2. Three criteria are applicable for the off-site surface soil locations (unrestricted use, protection of groundwater and residential use). Restricted residential and commercial criteria are not applicable for the off-site locations because they are on, or border single-family residential properties. Background soil sampling did not include samples from the 0 to 2-inch interval therefore no comparison can be made.

Tables 4-21 through 4-23 provide a statistical summary of the detected compounds for all off-site surface soil samples collected, compared to unrestricted use, protection of groundwater and residential use criteria, respectively.

Compounds detected in one or more of the off-site surface soil samples include:

- VOCs (i.e., xylenes);
- SVOCs (i.e., PAHs, bis(2-ethylhexyl)phthalate and di-n-octylphthalate);

- pesticides (i.e., 4,4'-DDE and DDT, beta- and gamma-BHC and dieldrin);
- herbicides: (i.e., 2,4-DB and dicamba); and
- metals (i.e., aluminum, antimony, arsenic, barium, beryllium, cadmium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, mercury, nickel, potassium, selenium, silver, sodium, vanadium and zinc).

Compounds exceeding one or more criteria in the off-site surface soil samples include: pesticides (i.e., 4,4'-DDE and DDT; and metals (i.e., calcium, chromium, copper, iron, lead and zinc) as summarized below.

Unrestricted Use

None of the detected VOCs, SVOCs or herbicides exceeded unrestricted use criteria in any of the off-site surface soil samples.

Pesticides detected above unrestricted use criteria included 4,4'-DDE and 4,4'-DDT at location HA-10 (0-2-inches bgs) and 4,4'-DDE at location HA-06 (0-2 inches bgs).

Metals detected above unrestricted use criteria included: calcium, chromium, copper, iron, lead and zinc. The highest concentrations were at location HA-10 (0-2-inches bgs) and HA-11 (0-2 inches bgs).

Protection of Groundwater

There were no compounds detected above protection of groundwater criteria in the off-site surface soil samples.

Residential Use

Only the metal iron exceeded residential use criteria at all locations.

4.2.2.2 Shallow Soil Analytical Results:

0-6-inches, 0-1.5 feet and 0-2 feet

Shallow soil samples were collected from eleven hand-augered boring locations (HA-01 through HA-11) and one drilled location (MW-10). A summary of the detected analytical results in the off-site shallow soil samples as compared to unrestricted use, protection of groundwater and residential use SCGs is presented in Table 4-24. A summary of the detected analytical results compared to background SCGs are presented in Table 4-25. Restricted residential and commercial use criteria were not evaluated for the off-site locations because they are located on, or closely border properties zoned single family residential.

Tables 4-26 through 4-29 provide a statistical summary of the detected compounds for the off-site shallow soil samples compared to unrestricted use, protection of groundwater, residential use and background criteria, respectively.

Compounds detected in one or more of the off-site shallow soil samples include:

- VOCs (i.e., acetone, benzene, carbon disulfide, ethylbenzene, isopropylbenzene, methyl acetate, methyl ethyl ketone, toluene and xylenes);
- SVOCs (i.e., PAHs, 1,1-biphenyl, bis(2-ethylhexyl)phthalate, carbazole and di-n-butylphthalate);
- pesticides (i.e., 4,4'-DDD, DDE and DDT, beta-, delta-, and gamma-BHC, dieldrin, endosulfan sulfate, endrin, endrin ketone, heptachlor and methoxychlor);
- herbicides: (i.e., 2,4,5-T, 2,4-DB and dinoseb); and
- metals (i.e., aluminum, antimony, arsenic, barium, beryllium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, mercury, nickel, potassium, selenium, silver, sodium, thallium, vanadium and zinc).

Compounds exceeding one or more criteria in the off-site shallow soil samples include: VOCs (i.e., acetone); SVOCs (i.e., PAHs and di-n-butylphthalate); pesticides (i.e., 4,4'-DDD, DDE, DDT and dieldrin); and metals (i.e., aluminum, arsenic, calcium, chromium, copper, iron, lead, selenium, silver and zinc) as summarized below.

Unrestricted Use

No PCBs were detected in the off-site shallow soil samples. No herbicides were detected above unrestricted use criteria in any of the off-site shallow soil samples.

Only the VOC acetone exceeded unrestricted use criteria in one shallow soil sample location, MW-10 (0-2 feet bgs).

Of the SVOCs detected, only PAHs at location HA-9 (0-2 feet bgs) and di-n-butylphthalate at location HA-10 (0-2 feet bgs) were detected above unrestricted use criteria.

Pesticides detected above unrestricted use criteria included: 4,4'-DDD, DDE and DDT, and dieldrin. The highest concentrations were at location HA-01 (1-2 feet bgs), HA-10 (0-2 feet bgs) and MW-10 (0-2 feet bgs).

Metals detected above unrestricted use criteria included: aluminum, arsenic, calcium, chromium, copper, iron, lead, selenium, silver and zinc. The highest concentrations were

at HA-02 (1.5-2 feet bgs), HA-03 (1-1.5 feet bgs), HA-08 (0-2 feet bgs), HA-10 (0-2 feet bgs) and MW-10 (0-2 feet bgs).

Protection of Groundwater

No herbicides were detected above protection of groundwater criteria in any of the off-site shallow soil samples.

The VOC acetone exceeded protection of groundwater criteria in one shallow soil location, MW-10 (0-2 feet bgs).

Of the SVOCs, three PAHs (benzo(a)anthracene, benzo(b)fluoranthene and chrysene) were detected above protection of groundwater criteria at one shallow soil location, HA-09 (0-2 feet bgs).

The pesticide dieldrin exceeded protection of groundwater criteria in the shallow soils, at location HA-01 (1-2 feet bgs).

Metals detected above protection of groundwater criteria included lead and selenium at location MW-10 (0-2 feet bgs).

Residential Use

No VOCs or herbicides were detected above residential use criteria in any of the off-site shallow soil samples.

Six PAHs [benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k) fluoranthene, chrysene and indeno(1,2,3-cd)pyrene] exceeded residential use criteria in shallow soils, only at location HA-09 (0-2 feet bgs).

The pesticide dieldrin exceeded residential use criteria, only at location HA-01 (1-2 feet bgs).

The metals exceeding residential use criteria in the off-site shallow soil samples include chromium at location HA-10 (0-2 feet bgs), lead at MW-10 (0-2 feet bgs); and iron at all locations, with the highest concentration at location HA-03 (1-1.5 feet bgs).

Site Background

The pesticide 4,4'-DDT exceeded shallow background soil concentration at location HA-01 (1-2 feet bgs). Iron, lead and zinc exceeded shallow background soil concentrations in approximately half of the off-site shallow soil samples from the 0-2 feet bgs depth.

4.2.2.3 Subsurface Soil Analytical Results

Subsurface soil samples were collected from ten hand-augered boring locations (HA-01 through HA-10) and one monitoring well location (MW-10). A summary of the detected analytical results in the off-site subsurface samples as compared to unrestricted use, protection of groundwater and residential use SCGs is presented in Table 4-30. A summary of the detected analytical results compared to background SCGs are presented in Table 4-31. Restricted residential and commercial use criteria were not evaluated for the off-site locations because they are located on, or closely border properties zoned single family residential.

Tables 4-32 through 4-35 provide a statistical summary of the detected compounds for the off-site subsurface soil samples compared to unrestricted use, protection of groundwater, residential use and background criteria, respectively.

Compounds detected in one or more of the off-site subsurface soil samples include:

- VOCs (i.e., acetone, benzene, methyl ethyl ketone, toluene and xylenes);
- SVOCs (i.e., PAHs, atrazine, p-cresol, bis(2-ethylhexyl)phthalate, carbazole and phenol);
- pesticides (i.e., 4,4'-DDD, DDE and DDT, alpha-chlordane, beta-BHC, dieldrin, and heptachlor epoxide);
- herbicides: (i.e., 2,4,5-T, silvex, 2,4-D, 2,4-DB, dicamba and dinoseb); and
- metals (i.e., aluminum, antimony, arsenic, barium, beryllium, cadmium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, mercury, nickel, potassium, selenium, silver, sodium, thallium, vanadium and zinc).

Compounds exceeding one or more criteria in the off-site subsurface soil samples include: VOCs (i.e., acetone); SVOCs (i.e., p-cresol), pesticides (i.e., 4,4'-DDD, DDE and DDT, and dieldrin); and metals (i.e., aluminum, arsenic, calcium, chromium, cobalt, copper, iron, lead, manganese, mercury, selenium, silver, thallium, vanadium and zinc) as summarized below.

Unrestricted Use

No PCBs were detected in the off-site subsurface soil samples. No herbicides were detected above unrestricted use criteria in any of the off-site subsurface soil samples.

Acetone exceeded unrestricted use criteria in three subsurface samples, the highest at location HA-04 (3-3.5 feet bgs).

Of the SVOCs detected, only p-cresol was detected above unrestricted use criteria at two locations, HA-04 (3-3.5 feet bgs) and HA-05 (3-3.5 feet bgs).

Pesticides detected above unrestricted use criteria included: 4,4'-DDD, DDE and DDT, and dieldrin. The highest concentrations were at location HA-02 (2-3 feet bgs) and HA-05 (3-3.5 feet bgs).

Metals detected above unrestricted use criteria included: aluminum, arsenic, calcium, chromium, cobalt, copper, iron, lead, manganese, mercury, selenium, silver, thallium, vanadium and zinc. The highest concentrations were arsenic, copper and mercury at location HA-02 (2-3 feet bgs); lead and zinc at location HA-05 (3-3.5 feet bgs); cobalt, manganese and thallium at HA-09 (2-4 feet bgs) ; chromium, iron, selenium, silver and vanadium at HA-10 (2-4 feet bgs); and aluminum and calcium at MW-10 (2-4 feet and 8-18 feet bgs).

Protection of Groundwater

No herbicides or pesticides were detected above protection of groundwater criteria in any of the off-site subsurface soil samples.

The VOC acetone exceeded protection of groundwater criteria in three off-site subsurface soil samples, the highest at location HA-04 (3-3.5 feet bgs).

Of the SVOCs, only p-cresol was detected above protection of groundwater criteria at two locations, HA-04 (3-3.5 feet bgs) and HA-05 (3-3.5 feet bgs).

Metals detected above protection of groundwater criteria included arsenic at location HA-02 (2-3 feet bgs), lead at location HA-05 (3-3.5 feet bgs), manganese at location HA-09 (2-4 feet bgs) and selenium at four locations, the highest at HA-10 (2-4 feet bgs).

Residential Use

No VOCs, SVOCs or herbicides were detected above residential use criteria in any of the off-site subsurface soil samples.

The pesticide dieldrin exceeded residential use criteria at location HA-02 (2-3 feet bgs).

The metals exceeding residential use criteria were arsenic at HA-02 (2-3 feet bgs); chromium at HA-10 (2-4 feet bgs), lead at HA-05 (3-3.5 feet bgs), manganese at HA-09 (2-4 feet bgs) and iron in all samples.

Site Background

The VOC acetone exceeded the subsurface background concentration at locations HA-04 (3-3.5 feet bgs) and HA-09 (2-4 feet bgs). The pesticide 4,4'-DDT exceeded subsurface background concentration at location HA-02 (2-3 feet bgs).

The following metals exceeded subsurface background concentrations at one or more location: arsenic, calcium, iron, lead, mercury, selenium and sliver. The highest concentrations were as follows: arsenic at HA-02 (2-3 feet bgs), calcium at MW-10 (8-10 feet bgs), iron, mercury at HA-02 (2-3 feet bgs), selenium and sliver at HA-10 (2-4 feet bgs), and lead at HA-05 (6-8 feet bgs).

4.3 Groundwater Analytical Results

Six groundwater samples plus one field duplicate were collected on June 6-7, 2013 from six monitoring wells (i.e., MW-01 through MW-06) installed during the RI Phase I fieldwork. Ten groundwater samples plus one field duplicate were collected on May 6-7, 2014 from the six existing (i.e., MW-01 through MW-06) and four new monitoring wells (i.e., MW-07 through MW-10) installed during Phase II RI fieldwork.

A summary of the detected results from both groundwater sampling events is provided in Table 4-36. A statistical summary of detected compounds in the June 2013 groundwater samples is presented in Table 4-37. A statistical summary of detected compounds in the May 2014 groundwater samples is presented in Table 4-38. Groundwater data exceeding criteria is presented on Figure 4-2.

Upgradient Wells

Compounds detected in one or more of the upgradient groundwater samples (MW-01 and MW-07) include:

- SVOCs [i.e., PAH (naphthalene) and bis(2-ethylhexyl)phthalate]; and
- metals (i.e., aluminum, barium, cadmium, calcium, chromium, copper, iron, lead, magnesium, manganese, nickel, potassium, sodium, vanadium and zinc).

No VOCs, pesticides or herbicides were detected in the upgradient wells;

Site Wells

Compounds detected in one or more of the Site groundwater samples (MW-02, MW-03, MW-08 and MW-09) include:

- VOCs (i.e., chlorobenzene and xylenes);
- SVOCs [i.e., PAHs (acenaphthene) and atrazine];
- pesticides (i.e., dieldrin);
- herbicides: (i.e., silvex and dicamba); and
- metals (i.e., aluminum, antimony, arsenic, barium, cadmium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, nickel, potassium, silver, sodium, vanadium and zinc).

Off-Site Downgradient Wells

Compounds detected in one or more of the off-site downgradient groundwater samples (MW-04, MW-05, MW-06 and MW-10) include:

- VOCs (i.e., acetone);
- SVOCs [i.e., atrazine, bis(2-ethylhexyl)phthalate, di-n-butylphthalate, and di-n-octylphthalate];
- herbicides: (i.e., silvex and dicamba); and
- metals (i.e., aluminum, antimony, barium, cadmium, calcium, cobalt, copper, iron, lead, magnesium, manganese, nickel, potassium, sodium, vanadium and zinc).

No pesticides were detected in the downgradient wells;

TOGS 1.1.1 Class GA Exceedances

The following compounds exceeding TOGS 1.1.1 Class GA groundwater criteria in the June 2013 sampling event:

- The VOC chlorobenzene at location MW-02;
- The SVOC atrazine at location MW-02;
- The herbicide silvex at location MW-02; and

- metals (i.e., antimony, iron, magnesium, manganese and/or sodium) at one or more monitoring well location.

No pesticides or PCBs were detected above groundwater criteria in the June 2013 monitoring well sampling event.

The following compounds exceeding TOGS 1.1.1 Class GA groundwater criteria in the May 2014 sampling event:

- The pesticide dieldrin at location MW-08;
- The herbicide silvex at location MW-10; and
- metals (i.e., iron, manganese and/or sodium) at one or more location.

No VOCs or SVOCs were detected above groundwater criteria in the May 2014 monitoring well sampling event.

Upgradient Wells

Compounds exceeding criteria in one or more of the upgradient groundwater samples (MW-01 and MW-07) include:

- metals (i.e., manganese and sodium).

No VOCs, SVOCs, pesticides or herbicides exceeded criteria in the upgradient wells.

Site Wells

Compounds exceeding criteria in one or more of the Site groundwater samples (MW-02, MW-03, MW-08 and MW-09) include:

- VOCs (i.e., chlorobenzene);
- SVOCs (i.e., atrazine);
- pesticides (i.e., dieldrin);
- herbicides: (i.e., silvex); and
- metals (i.e., iron, manganese and sodium).

Off-Site Downgradient Wells

Compounds exceeding criteria in one or more of the off-site downgradient groundwater samples (MW-04, MW-05, MW-06 and MW-10) include:

- herbicides: (i.e., silvex); and

- metals (i.e., antimony, iron, magnesium and sodium).

No VOCs, SVOCs or pesticides exceeded criteria in the downgradient wells;

Only metals were detected above criteria in the upgradient monitoring wells MW-01 and MW-07 for both the June 2013 and May 2014 sampling events. Other than metals, Site monitoring well MW-02 had exceedances for chlorobenzene, atrazine and silvex in the June 2013 sampling event but these compounds were not detected (chlorobenzene and silvex) or below criteria (atrazine) in the May 2014 sampling of MW-02. Dieldrin was the only other non-metal exceedance in the Site monitoring wells and was only detected in MW-08 (May 2014). Other than metals, silvex was the only SVOC, pesticide or herbicide detected and the only compound exceeding criteria in the downgradient wells, at location MW-10. MW-10 is the downgradient well nearest to the site and to the leachate collection system. Metals were the only exceedances in all other downgradient wells, as shown on Figure 4-2.

4.4 Leachate Analytical Results

A leachate samples plus one field duplicate was collected on May 7, 2014. A summary of the detected results from leachate sampling is provided in Table 4-39. Compounds detected in the leachate sample include: SVOCs (i.e., atrazine); pesticides (i.e., aldrin and dieldrin); and metals (i.e., aluminum, barium, cadmium, calcium, copper, iron, lead, magnesium, manganese, nickel, potassium, silver, sodium, vanadium and zinc). No VOCs, organophosphorous pesticides or herbicides were detected in the May 2014 leachate sample.

The following compounds exceeding TOGS 1.1.1 Class GA groundwater criteria in the June 2013 leachate sampling event:

- The SVOC atrazine;
- The pesticides aldrin and dieldrin; and
- The metals iron, manganese and sodium.

5.0 CONTAMINANT FATE AND TRANSPORT

This section describes fate and transport processes that may influence the behavior of the contaminants detected at the Site. The discussion emphasizes the processes that are essential in evaluating potential exposure of human and environmental receptors to the Site contaminants detected at concentrations above the SCGs. This section presents the following:

- a general description of fate and transport processes occurring in soil and groundwater;
- an evaluation of the properties for contaminants of concern; and
- a site-specific evaluation of potential fate and transport mechanisms.

5.1 General Description of Fate and Transport Mechanisms

This section provides general descriptions of the fate and transport processes that can occur in the environment at the Site. In addition, the Site characteristics that can affect these processes are discussed.

5.1.1 Contaminants of Potential Concern

In general, contaminants detected in soil above SCGs (Subpart 375 Unrestricted Use Criteria), and groundwater (TOGS 1.1.1 Class GA) are contaminants of potential concern (CPCs). These contaminants are identified on Table 5-1.

Soil:

- VOCs (acetone);
- SVOCs (PAHs, p-cresol, chlorinated phenolic compounds [2,4,5-trichlorophenol and 2,4-dichlorophenol] and phenol);
- pesticides (4,4'-DDD, 4,4'-DDE, 4,4'-DDT, aldrin, alpha-chlordane, dieldrin, and endrin);
- herbicides (2,4-D); and
- metals (aluminum, arsenic, calcium, chromium, copper, iron, lead, mercury, nickel, selenium, silver, vanadium and zinc).

The SVOC di-n-butylphthalate and the metals cobalt and thallium are not included as CPCs in soil because these compounds did not exceed SCGs in the Site samples. The only exceedances for di-n-butylphthalate, cobalt and thallium were in the off-site downgradient samples.

Groundwater:

- VOCs (chlorobenzene);
- SVOCs (atrazine);
- pesticides (dieldrin);
- herbicides (silvex); and
- metals (iron, manganese and sodium).

The metals antimony and magnesium are not included as CPCs in groundwater because these compounds did not exceed SCGs in the Site samples. The only exceedances for antimony and magnesium were in the off-site downgradient samples.

5.1.2 Transport Processes

Contaminant transport in surface soil can occur through erosion by wind or surface water runoff. Since little contamination was detected in surface soil and since the majority of the Site is covered by vegetation, these transport processes are not considered significant at the Site.

Contaminant transport in the subsurface can occur as movement of dissolved contaminants in groundwater, and/or as migration of volatilized contaminants in soil vapor. Since little VOC contamination was detected in either soil or groundwater, migration of volatilized contaminants in soil vapor is not considered a significant transport process at this Site. The primary transport mechanisms in groundwater are advection, dispersion, and partitioning of mass.

Mass partitioning is a process in which contaminants move between different environmental media in response to concentration gradients. For example, contaminants dissolved in groundwater may sorb (i.e., attach) onto soil particles. The process may involve mass transfer in any direction between any of the environmental media. The net result of mass partitioning is the distribution of the contaminant between all phases that remain in physical contact with each other. Typically, mass partitioning acts to inhibit the migration of contaminants in groundwater by immobilizing a part of the mass in the soil matrix (retardation). However, the process may be reversed, resulting in the slow release of the sorbed contamination into the groundwater.

In the unsaturated zone (i.e., between ground surface and the water table), the total mass of a contaminant is partitioned between the dissolved phase (soil moisture), the gas phase (soil vapor), and the solid phase (soil matrix). In the saturated zone, the soil vapor phase is absent and

the partitioning occurs only between the soil matrix and groundwater. Under equilibrium conditions, each phase contains a fraction of the total contaminant mass present in the system (i.e., total of both phases equals 100 percent of the contaminant mass present). The relative mass fractions are determined by the properties of each contaminant and by the nature of the soil matrix. Equilibrium conditions are disturbed by phenomena such as migration of contaminated groundwater or removal of contaminant mass from one of the media through degradation processes or gravity flow. Under these circumstances, concentration gradients are created resulting in the occurrence of mass transfer between the media.

The contaminant mass sorbed onto the soil matrix in the unsaturated zone is essentially immobile. The exception is the mass in the uppermost soil layer, which can be transported by processes capable of moving soil particles (wind, surface water runoff). However, since soil within a majority of the Site area is covered by vegetation, this is not a significant transport pathway. Sorbed contaminants in the unsaturated zone can act as a source of dissolved groundwater contamination when rain infiltrates through the surface.

Transport of contaminants dissolved in the soil moisture in the unsaturated zone is generally limited as a result of very low flow rates in the absence of full saturation. Ponding occurred in the area prior to installation of the leachate collection system, which has temporarily saturated the normally unsaturated zone in this area; thereby, transporting contaminants away from the area. Typically, the only significant mechanisms are driven by water level fluctuations and gravity-driven downward flow during wet-weather periods, or possibly sewer lines which may be leaking, or subsurface utility lines and/or act as preferential pathways. Such vertical transport of contaminants acts as a source for the saturated zone below.

The contaminant mass contained within groundwater in the saturated zone is more mobile. The primary transport mechanisms for contaminants dissolved in groundwater are advection and dispersion. Advection is the movement of the dissolved contaminants carried by the flow of groundwater. Dispersion refers to dissolved contaminants spreading due to the presence of non-uniformities in the groundwater flow field. Dispersion results in a general widening of the area of contamination. The magnitude of dispersion is site-specific and is generally difficult to measure. It is particularly difficult to predict on this Site, where the lithological system is non-uniform and a leachate collection system conveys materials to a sump/sanitary sewer. These processes enable dissolved contaminants to reach previously uncontaminated areas and potentially enter other environmental media.

In the case of sorption, contaminant mass is transferred from the mobile medium into the immobile soil medium. This phenomenon tends to decrease the velocity of contaminant migration, and is consequently referred to as retardation. The magnitude of the retardation depends on the properties of each contaminant and the soil matrix. The key indicator parameter for the retardation properties of the soil is the organic carbon content. Soils with high organic carbon content sorb dissolved contaminants more readily and create a more significant retardation effect than soil with limited, or no organic carbon content. Desorption is the reverse process of sorption. Contamination is transferred from the soil matrix into the groundwater. As a result, soil containing contaminant mass may act as a source if exposed to the less-contaminated groundwater. Desorption from soil into groundwater is increasingly inhibited by increasing content of organic carbon in the soil.

5.1.3 Mass Destruction Processes

Contaminant mass at the Site is almost entirely below the surface and is not exposed to sunlight or the atmosphere. Therefore, abiotic mass destruction processes that rely on the presence of air or exposure to sunlight (such as hydrolysis and photolysis) have little impact within the subsurface and will not be discussed further.

The most significant mass destruction process that takes place in subsurface environments is microbial degradation. The most significant microbial degradation process for organic (e.g., VOC, SVOC, pesticide and herbicides) contaminants that operate in groundwater systems is biological oxidation (aerobic and anaerobic). During degradation, organic compounds (e.g., VOCs, SVOCs, pesticides and herbicides) are often transformed into daughter forms, which may be recalcitrant or further degradable. Daughter compounds can be either more or less toxic than the parent compounds. If a contaminant degrades into a sequence of degradable daughter compounds, it is ultimately metabolized into such compounds as carbon dioxide, methane, water, and chloride (when chlorinated hydrocarbons are degraded). Some probable evidence of this degradation is seen at the Site since 4,4'-DDE and 4,4'-DDD are daughter products of 4,4'-DDT and could be present as a result of biodegradation of 4,4'-DDT.

5.2 Properties

The CPCs identified in Section 5.1.1 were evaluated based on the concentrations and frequency of detections. Those detected frequently and/or at high concentrations were considered

to be principal contaminants. Properties relevant to the fate and transport of principal contaminants are discussed below.

VOCs

In general, VOCs readily volatilize into soil vapor and may be released to the atmosphere. At the surface, these compounds may decay and/or volatilize upon exposure to sunlight and to the atmosphere. Dissolved contaminants are transported by advection and dispersion in groundwater. Advection and dispersion are also responsible for the migration of VOCs in the atmosphere.

Acetone is the only principal VOC contaminant detected at the Site. Acetone is a ketone. Ketones are volatile and highly soluble in water. They have very low organic carbon-to-water partitioning coefficients. The degree to which they sorb into the soil matrix is insignificant and their mobility in the environment is very high. The biodegradability of ketones is generally relatively high and occurs under aerobic conditions. Acetone was detected in shallow and subsurface soil, but was not detected in Site groundwater. It was detected below criteria at one off-site groundwater location, MW-10.

Chlorobenzene was detected above SCGs in the June 2013 groundwater sample from MW-02, but is not a considered a principal contaminant of concern based on the subsurface soil analytical results. It was also not detected in any of the May 2014 groundwater samples. It was detected below any SCGs in only four out of 154 soil samples, three being from boring location MW-02 (6-8 feet, 8-10 feet and 14-16 feet bgs) and one from SB-01 (6-8 feet bgs). One of the main uses of chlorobenzene was as a solvent in pesticide formulations. It is relatively mobile in sandy soil and biodegrades very slowly or not at all in these soils. Therefore, it can be expected to leach into the groundwater. It has a moderate adsorption onto organic soil.

SVOCs

The principal SVOC contaminants detected above SCGs include p-cresol, and PAHs in subsurface soil, and atrazine in groundwater. The chlorinated phenolic compounds (2,4,5-trichlorophenol and 2,4-dichlorophenol) and phenol are not considered principal contaminants of concern because of the low concentrations and infrequency of detections.

Generally, PAHs are characterized by low volatility, low solubility in water, and high organic carbon-to-water partitioning coefficients. As a result, they are relatively immobile and typically sorb onto the soil matrix. Potential for leaching from soil to groundwater decreases as

the compound's molecular weight increases, and such leaching is unlikely even for low molecular weight compounds. As a result, the primary transport mechanism for PAHs is transport mechanically by wind and erosion/particle entrainment, which is not a concern for subsurface contaminants. PAHs are hydrocarbons containing two or more fused benzene rings. Their biodegradation rates are relatively low. PAHs with several rings degrade less readily than PAHs with fewer rings.

One of the PAHs, 2-methylnaphthalene has not been researched extensively, but is expected to act like naphthalene in the environment (i.e., it is expected to be relatively mobile in groundwater). P-cresol is expected to be degraded rapidly by microorganisms in soil, but it can partition into groundwater. However, neither of these compounds was detected in any of the groundwater samples collected during the RI.

Atrazine is a common name for an herbicide that is used to kill weeds. It persists for a long time in groundwater. Atrazine is readily taken up by plants, but does not tend to accumulate in living organisms, and therefore, does not tend to build up in the food chain.

Pesticides

The principal pesticide contaminants detected above SCGs include 4,4'-DDT, 4,4'-DDE, 4,4'-DDD, aldrin and dieldrin in subsurface soil. The high organic partition coefficients of 4,4'-DDT, and the related compounds, 4,4'-DDE and 4,4'-DDD, and their relatively low water solubilities suggest that they will adsorb strongly to soil and will not partition into groundwater. The biodegradability of these compounds varies, but in general, these compounds will persist in a temperate climate such as found at the Site. These compounds can accumulate in some plants and can be absorbed by animals or humans eating the plants.

Aldrin and dieldrin are the common names of two structurally similar compounds that were once used as insecticides. Aldrin readily changes into dieldrin once it enters the environment or the human body. The relative greater frequency of detections and higher concentrations of dieldrin in subsurface soil at the Site indicate that the transformation of aldrin to dieldrin is taking place. These compounds break down (degrade) very slowly in soil and water. They adsorb to soil and may stay there unchanged for many years. Groundwater does not easily desorb these contaminants from the soil matrix. Since they do not dissolve in water very well, they are generally not found in water at high concentrations. Dieldrin was detected in one of the May 2014 groundwater samples (MW-08). Aldrin and dieldrin were detected in the leachate and in the historical groundwater samples above SCGs.

Alpha chlordane and endrin were not included as principal pesticide contaminants because the exceedances were in one sample [SB-01 (6-8 feet bgs) and SB-04 (8-10 feet bgs), respectively] and the concentrations were slightly above unrestricted use criteria in these samples. In addition, there were no exceedances for these compounds in the off-site soil samples and they were not detected in Site and off-site groundwater samples.

Metals

Metals were detected above SCGs in soil and groundwater; however, none of the metals are considered principal contaminants since they are not believed to be associated with Site operations and were generally detected at levels comparable to background. Metals are generally persistent. They do not volatize or degrade. The ultimate preference of metals towards soil sorption or dissolution in water depends mostly on the acidity or alkalinity of the system.

5.3 Evaluation of Fate and Transport Mechanisms

5.3.1 Source(s) of Contamination

A fire destroyed the on-site building in 1977. Pesticides and herbicides that were stored in the basement subsequently were released to the environment. Data from RI Phase I shows that there is significant contamination in subsurface soils ranging from approximately 4 to 12 feet bgs, which would be at or below the basement level. The lower limit of contamination is expected to be at the top of the silty clay layer, which is approximately 4 to 12 feet bgs. The contamination was generally detected just above or below the water table. The most significant contaminants are pesticides and PAHs (which were probably a result of the fire). This subsurface contamination represents a potential source of groundwater contamination. Results of hand auger samples taken just west (downgradient) of the off-site leachate collection system located near the foundation wall indicate that contamination is migrating to the trench since PAHs, pesticides and herbicides were detected in the off-site samples.

5.3.2 Fate and Transport in the Unsaturated Zone

5.3.2.1 Migration

Contamination desorbing from infiltrating precipitation and migration of contamination to groundwater is the most important pathway of migration in the unsaturated zone. Volatilization into soil gas is not a major concern since little VOC contamination has been detected at the Site. Fugitive dust and surface runoff are not a major concern at the Site either,

since shallow soil is not significantly contaminated and since the Site is covered mostly by vegetation. The importance of infiltration is emphasized by reported events taking place at the leachate collection system area near the foundation wall. There have been reports of odors coming from the leachate collection system area and seeping through the foundation wall during rain events.

5.3.2.2 Degradation

Generally, the occurrence and rates of unsaturated zone degradation have to be determined by means of field studies, such as, for example, respiration tests. However, this is only appropriate for contaminants that can be aerobically degraded. Pesticides and PAHs are not readily aerobically degradable. Rates of biological degradation depend largely on the presence of water. In the unsaturated zone, sufficient water may not be present continuously, thus limiting the potential for the growth of microorganisms. Since the majority of the contamination is well below the surface, photolysis is not a significant mechanism for degradation. In general, rates of contaminant degradation in the unsaturated zone are expected to be relatively low.

5.3.3 Fate and Transport in the Saturated Zone

5.3.3.1 Migration

Migration in the saturated zone takes place predominantly by means of the transport of the dissolved-phase contamination in groundwater. The dominant factors are the direction of the flow within the aquifer, the hydraulic gradient, the hydraulic conductivity of the aquifer material (both the average value and spatial distribution) and the chemical and physical composition of the subsurface matrix (i.e., fill), and the properties of the contaminants.

Groundwater flow is mainly in the sandy fill. The groundwater in the overburden flows to the west toward the backyards of residences along Court Street or to the northwest toward Front Street. The groundwater surface drops steeply away from the Site, roughly following the surface topography of the area. Horizontal hydraulic conductivity values for the shallow overburden range from 3.14×10^{-7} cm/sec to 7.81×10^{-4} cm/sec. The average horizontal hydraulic conductivity was 1.65×10^{-5} cm/sec. Horizontal hydraulic conductivity in the fill layer were relatively higher (mean of 2×10^{-4} cm/sec) compared to the clayey silt layer below the fill layer, which had generally lower hydraulic conductivities (mean of 3.1×10^{-6} cm/sec). However, these results do not represent the fill material as a whole due to the heterogeneity and the anisotropic nature of the urban fill material. The horizontal hydraulic conductivity values represent hydraulic

conditions in the immediate vicinity of the wells tested. Horizontal hydraulic gradients range from 0.0016 to 0.0915 foot per foot (ft/ft).

The principal contaminants at the Site, PAHs and pesticides, are strongly adsorbed onto soil. They are expected to be transported very slowly by groundwater flow. However, the results of hand auger samples collected just west of the Site indicate that contamination is migrating to the leachate collection system area located just west of the foundation wall.

5.3.3.2 Degradation

PAHs and insecticides are very persistent in the environment and degrade very slowly. 4,4'-DDT will degrade slowly to its daughter products 4,4'-DDE and 4,4'-DDD and these daughter products are expected to persist in the environment for a long time. Aldrin will degrade to dieldrin relatively quickly. However, dieldrin, is expected to persist in soil for a long period. The relative number of detections of 4,4'-DDE, 4,4'-DDD and dieldrin at the Site suggest that degradation is taking place at the Site.

6.0 QUALITATIVE HUMAN HEALTH EXPOSURE ASSESSMENT

This section presents the Qualitative Human Health Exposure Assessment (HHEA) results for the Site performed in accordance with Appendix 3 of DER-10. This qualitative HHEA uses data and information collected during the RI to assess human health exposure in the immediate and surrounding areas. The qualitative HHEA provides an evaluation of potential adverse health effects under current and potential future Site conditions that may result from exposure to contaminants attributable to former activities at the Site. A Fish and Wildlife Resources Impact Analysis was not required for this RI because no impacts to fish and wildlife are anticipated for this Site. This determination is based on the data that shows contamination from the Site has not migrated significantly beyond the site and is not expected to impact any nearby water bodies.

6.1 Source of Contamination and Identification of Chemicals of Potential Concern

Based upon all the analytical data presented in Section 4 that was obtained prior to, and as part of this RI, the CPCs were selected based on the frequency of detection, range of concentrations, and potential for migration, as well as whether the detected analytes exceeded SCGs for the media. A "medium of potential concern" is identified as a physical medium (soil or groundwater) in which contaminants were detected frequently and/or at concentrations exceeding their SCGs.

The soil medium is categorized by the sample location and divided into subcategories based on the sample depth. Samples collected from a depth of 0 to 2 inches represent surface soils, samples collected between 0 and 2 feet bgs represent shallow soils and samples collected at a depth of 2 feet bgs or deeper represent subsurface soil. The location of samples are either on the Site, or west of the foundation wall and on Walnut, Court and Front Streets (off-site). On this basis the categories of soil are: Site shallow soil, Site subsurface soil, off-site surface soil, off-site shallow soil and off-site subsurface soil. Table 5-1 shows the contaminants exceeding the unrestricted use criteria for soil in each category and class GA standards for groundwater. In general, contaminants exceeding these criteria are contaminants of potential concern.

Based on the contamination present, four of the soil categories (Site subsurface soil, off-site surface soil, off-site shallow soil and off-site subsurface soil) and groundwater are media of potential concern. Site shallow soil is not included as a medium of concern based on the data presented in Table 4-4. Twenty-five Site shallow soil samples from fourteen locations were

evaluated. As shown on Tables 4-5 and 4-11, if iron is excluded, the only exceedances of unrestricted use criteria were benzo(b)fluoranthene at location SS-04, and 4,4'-DDE, 4,4'-DDT, arsenic, copper and lead at SS-03 and aluminum at SB-07. For all cases except lead at SS-03, the concentrations detected were only slightly above the unrestricted use criteria. In addition, all concentrations detected except aluminum and arsenic were comparable to concentrations detected in shallow background soil samples (Tables 4-1 and 4-2). On this basis, Site shallow soil is not included as a medium of concern in the HHEA.

For the four soil categories considered media of concern, the most prevalent contaminants are PAHs, pesticides and herbicides. As shown on Table 5-1, six contaminants exceeding SCGs in soil were also detected above Class GA standards in groundwater. Atrazine, a herbicide was detected two orders of magnitude above the Class GA standard in the June 2013 sampling event and dieldrin, a pesticide was detected almost two orders of magnitude above the Class GA standard in the May 2014 sampling event. These are the contaminants of greatest concern detected in groundwater based on the concentration and Site history.

6.2 Exposure Pathways

An exposure pathway is the manner by which an individual contacts a contaminant. The five elements of a completed exposure pathway include:

- a source of contamination;
- a contaminated environmental media (i.e., soil or groundwater);
- a point of exposure (i.e., Site subsurface soil, off-site surface, shallow and subsurface soil, and groundwater);
- a route of exposure or how the contaminant enters the body (i.e., direct contact, incidental ingestion, vegetable consumption); and
- a receptor population (e.g., residents, construction worker, or utility worker) exposed to the contamination.

Tables 6-1 and 6-2 present the exposure pathways assessed for the Site under current and future land use scenarios, respectively. For this Site, the exposure pathways are the same for the current and future use scenarios. The following subsections discuss the rationale for identifying completed exposure pathways.

6.2.1 Site Subsurface Soil

While subsurface soil is not accessible to the public, a potential complete exposure pathway is present for construction/utility workers who contact contaminated soil during intrusive activities. Therefore, subsurface soil is a potentially complete exposure pathway under the current and future use scenarios for construction/utility workers.

6.2.2 Off-Site Surface Soil and Off-Site Shallow Soil

Three residences are located west of the Site foundation wall where surface, shallow and subsurface soil samples were collected. Residents could contact contaminated surface and shallow soil during yard maintenance, gardening or recreational activities. Contact with surface and shallow soil is a completed pathway for residents under the current and future use scenarios.

6.2.3 Off-Site Subsurface Soil

Residents may dig post holes for fencing, decks, etc., or dig below a depth of 2 feet bgs for other reasons, potentially coming into contact with contaminated subsurface soil. Gardens were observed in backyards of residents located near the Site. Uptake of contamination by vegetables grown in these gardens and subsequent ingestion of the vegetables by residents is possible. Ingestion of contaminated vegetables is a completed pathway for residents under the present and future use scenarios.

6.2.4 Groundwater

Under the current use scenario, groundwater is not known to be used as a water supply for residents or for any known industrial purpose in the vicinity of the Site. Therefore, it is not a completed exposure pathway under the current or future use scenarios for residents. Construction/utility workers could potentially be exposed to groundwater contaminants during current or future intrusive activities; therefore, this is a completed exposure pathway. In addition, it is possible that groundwater from the Site could pond in the leachate collection system area located west of the Site on residential properties during rain events; thereby exposing residents to contaminated groundwater.

6.2.5 HHEA Summary

Tables 6-1 and 6-2 present a summary of the potential routes of exposure, the potential receptor populations, and identifies the completed pathways for current use and future use scenarios, respectively; however, the results are the same for both scenarios. Figure 6-1 provides

a conceptual model. Under the current and future use scenarios, completed pathways are present for:

- Off-site surface soil and off-site shallow soil, off-site subsurface soil and groundwater for residents via direct contact or ingestion of vegetables from a garden; and
- Site subsurface soil and groundwater for construction/utility workers during intrusive activities.

Under the current and future use scenarios, incomplete pathways are present for:

- Groundwater for residents. Potable water is provided to the residents.

7.0 SUMMARY AND RECOMMENDATIONS

7.1 Summary

Based upon the results of the Site investigations and historical data, the following conclusions are provided.

7.1.1 Geology

The surficial deposits at the Site consist of fill material that overlies glacial sediments. The fill material consists of an upper and lower layer. The upper layer is approximately 3 to 6 feet thick and is comprised of clean, light brown, fine sand (presumably used to cover the remains of the Old Agway Store building). The lower layer contains building demolition debris (i.e., dark gray to black fine sand and clayey silt, which contains some fine gravel and cinders, charred wood, a trace of ash particles and pieces of concrete). The overall fill material thickness ranges from 3 feet in off-site monitoring well MW-01 up to 15 feet in soil boring SB-05 located on the western edge of the Site, near the former Old Agway Store building foundation wall. The fill material overlies glacial deposits which are mostly clayey silt containing some sand and some to trace amounts of gravel. There are minor, discontinuous beds of silty fine sand, silty clay and silty gravel observed in a few borings. Refusal on a boulder or bedrock was encountered at 22.8 feet bgs at location SB-01 (near Galway Street).

The water table surface may be found between approximately 2 and 6 feet bgs. The groundwater in the overburden flows to the west towards Court Street and the northwest toward Front Street. The groundwater surface drops steeply away from the Site, roughly following the surface topography of the area. The elevation of groundwater in downgradient monitoring well MW-05 is the approximately 22 feet lower than at the upgradient well MW-01. Horizontal hydraulic gradients range from 0.0016 to 0.0915 ft/ft. The average horizontal hydraulic conductivity was 1.65×10^{-5} cm/sec. Hydraulic conductivity in the fill layer were relatively higher (mean of 2×10^{-4} cm/sec) compared to the clayey silt layer below the fill layer, which had generally lower hydraulic conductivities (mean of 3.1×10^{-6} cm/sec).

7.1.2 Surface Soil

Surface soil samples were only collected off-site, approximately 20 feet from the western side of the foundation wall on residential properties, with the exception of sample HA-11, which was collected approximately 10 feet from the foundation wall. Results were compared to unrestricted use, protection of groundwater, residential use and site background criteria.

Compounds in the off-site surface soil locations exceeded unrestricted use criteria and include: pesticides (4,4'-DDE and 4,4'-DDT); and metals (calcium, chromium, copper, iron, lead, and zinc). Only iron exceeds residential use criteria.

7.1.3 Shallow Soil

Shallow soil sample results were separated in two components: the Site locations that are on commercial property; and the off-site locations collected on the west and north of the foundation wall that are on, or border residential properties. Results were compared to unrestricted use, residential, restricted residential, commercial, protection of groundwater and site background criteria. Restricted residential and commercial use criteria are not applicable for the off-site locations.

Compounds on the Site exceeded unrestricted use criteria and include: SVOCs [i.e., the PAH benzo(b)fluoranthene]; pesticides (i.e., 4,4'-DDE and 4,4'-DDT); and metals (i.e., aluminum, arsenic, copper, iron and lead). No VOCs, pesticides, herbicides or PCBs were detected above residential use, restricted residential use, commercial use, or protection of groundwater criteria except the SVOC PAH benzo(b)fluoranthene which exceeded residential and restricted residential use criteria in one location, SS-04 (0-0.5 feet bgs), and the metal iron which exceeded residential used criteria at all locations,. The concentration of benzo(b)fluoranthene in SS-04 was below site background concentrations for shallow soils. Iron exceeded background concentrations in two out of 24 samples collected, from locations SB-07 (0-2 feet bgs) and SS-03 (0-0.5 feet bgs).

Compounds in the off-site locations exceeded unrestricted use criteria and include: the VOC acetone, SVOCs (i.e., di-n-butylphthalate and PAHs), pesticides (i.e., 4,4'-DDD, 4,4'-DDE, 4,4'-DDT and dieldrin); and metals (i.e., aluminum, arsenic, calcium, chromium, copper, iron, lead, selenium, silver and zinc). PAHs at location HA-09 (0-2 feet bgs), the pesticide dieldrin at locations HA-01(1-2 feet bgs) and HA-09 (0-2 feet bgs), and the metals chromium, iron and/or lead exceeded residential use criteria. 4,4-DDT at location HA-01 (1-2 feet bgs), and iron, lead and/or zinc at most locations also exceeded site background concentrations.

7.1.4 Subsurface Soil

Subsurface soil sample results were separated in two components: the Site; and the off-site locations collected west and north of the foundation wall and downgradient locations on Court and Front Streets. Results were compared to unrestricted use, residential, restricted

residential, commercial, protection of groundwater and background criteria. Restricted residential and commercial use criteria are not applicable for the off-site locations.

One VOC (i.e., acetone); SVOCs (i.e., 2,4,5-trichlorophenol, 2,4-dichlorophenol, p-cresol, PAHs, and phenol); pesticides (i.e., 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, aldrin, alpha-chlordane, dieldrin and endrin); one herbicide (i.e., 2,4-D); and metals (i.e., aluminum, calcium, chromium, copper, iron, lead, mercury, nickel, selenium, silver, vanadium and zinc) exceeded unrestricted use criteria in one or more samples collected from the Site. The highest concentrations found were generally from the 6 to 10 feet bgs sample intervals. Acetone, SVOCs, pesticides, herbicides and metals exceeded protection of groundwater criteria.

PAHs, 4,4'-DDE, aldrin and dieldrin exceeded residential and restricted residential use criteria. The metals chromium, iron, lead and zinc exceeded residential use criteria and only lead exceeded restricted residential use criteria in the Site subsurface soils. Only two PAHs (i.e., benzo(a)pyrene and benzo(b)fluoranthene) and lead exceeded commercial use criteria in the Site subsurface soil samples. Acetone, 4,4'-DDT, calcium, iron and lead exceeded site background subsurface soil concentrations.

One VOC (i.e., acetone), one SVOCs (i.e., p-cresol), pesticides (i.e., 4,4'-DDD, 4,4'-DDE, 4,4'-DDT and dieldrin) and metals (i.e., aluminum, arsenic, calcium, chromium, cobalt, copper, iron, lead, manganese, mercury, selenium, silver, thallium, vanadium and zinc) exceeded unrestricted use criteria in one or more of the off-site subsurface soil sample locations. Acetone, p-cresol, arsenic, lead, manganese and selenium exceeded protection of groundwater criteria. Dieldrin, arsenic, chromium, iron, lead and manganese exceeded residential use criteria in in one or more of the off-site subsurface soil samples. Acetone, 4,4-DDT, arsenic, calcium, iron, lead, selenium and silver exceeded site background subsurface soil concentrations.

7.1.5 Groundwater

Ten groundwater monitoring wells were installed as part of the RI: upgradient wells (i.e., MW-01 and MW-07); Site wells (i.e., MW-02, MW-03, MW-08 and MW-09); and downgradient wells (i.e., MW-04, MW-05, MW-06 and MW-10). Only metals (i.e., manganese and sodium) were detected above criteria in the upgradient monitoring wells for both the June 2013 and May 2014 sampling events. For the Site monitoring wells, other than metals (i.e., iron, manganese and/or sodium), only MW-02 had an exceedances for one VOC (i.e., chlorobenzene), one SVOC (i.e., atrazine) and one herbicide (i.e., silvex) in the June 2013 sampling event. However, these compounds were not detected (i.e., chlorobenzene and silvex) or below criteria (i.e., atrazine) in

the May 2014 sampling of MW-02. Dieldrin was the only other non-metal exceedance in the Site monitoring wells and was only detected in MW-08 (May 2014). For the downgradient off-site monitoring wells, other than metals (i.e., antimony, iron, magnesium and/or sodium), silvex was the only SVOC, pesticide or herbicide detected and the only compound exceeding criteria, at location MW-10. MW-10 is the downgradient well nearest to the site and to the leachate collection system. No VOCs exceeded criteria in the downgradient wells.

Historically, SVOCs (i.e., 2,4-dichlorophenol, atrazine, PAHs, pentachlorophenol and phenol), pesticides (i.e., 4,4'-DDD, aldrin and dieldrin) and herbicides (i.e., silvex) were detected above Class GA standards and guidance values in the groundwater samples from the monitoring wells that were located 3 to 5 feet east of the foundation wall. Those monitoring wells were decommissioned in September 1999.

The results from groundwater sample collected off-site indicate that contamination has migrated into groundwater in the vicinity of the leachate collection system area located just west of the foundation wall, but that Site contamination is having little or no impact on groundwater downgradient of the leachate collection system.

7.1.6 Leachate

A leachate sample was collected during the Phase II RI sampling event. Atrazine, aldrin dieldrin, iron, manganese and sodium were detected above Class GA standards and guidance values. The most recent leachate samples collected prior to RI Phase II [i.e., February 2010 and October 2011 (AECOM, December 2011)] only contained atrazine, aldrin and dieldrin above Class GA standards and guidance values. VOC or metals analyses were not performed on samples of the leachate prior to the Phase II RI sampling event. Results from historical records with leachate sample data were found to contain: SVOCs (i.e., atrazine, pentachlorophenol and phenol); pesticides (i.e., aldrin, dieldrin, gamma-BHC, and gamma-chlordane); and herbicides (i.e., silvex and 2,4-D) above Class GA standards and guidance values. There are no historical records of VOCs and metals analyses on the leachate. No VOCs were detected in the 2014 sampling of the leachate. The leachate is groundwater at the base of the foundation wall that has been diverted by the French drain. Rain events directly affect the volume of leachate discharging into the sump/sanitary sewer.

7.1.7 Contaminant Fate and Transport

The desorption of contaminants from the site soils, caused by infiltrating precipitation, and the subsequent migration of contamination through groundwater is the most important pathway of migration in the unsaturated zone. Volatilization into soil gas is not a major concern since little VOC contamination has been detected at the Site. Fugitive dust and surface runoff are not a major concern at the Site either, since shallow Site soils are not significantly contaminated and because the Site is covered mostly by vegetation. The importance of infiltration is emphasized by reported events taking place at the leachate collection system area near the foundation wall. Prior to the installation of the current leachate collection system, there have been reports of odors coming from seepage through the foundation wall following rain events.

The principal contaminants at the Site, PAHs and pesticides, are strongly adsorbed onto soil. They are expected to be transported very slowly by groundwater flow.

PAHs and insecticides are very persistent in the environment and degrade very slowly. 4,4'-DDT will degrade slowly to its daughter products 4,4'-DDE and 4,4'-DDD and these daughter products are expected to persist in the environment for a long time. Aldrin will degrade to dieldrin relatively quickly. However, dieldrin, is expected to persist in soil for a long period. The relative number of detections of 4,4'-DDE, 4,4'-DDD and dieldrin at the Site suggest that degradation is taking place at the Site.

7.1.8 Qualitative Human Health Exposure Assessment

Under the current and future use scenarios, completed pathways are present for:

- Site subsurface soil and groundwater for construction/utility workers during intrusive activities; and
- Off-site surface soil, off-site shallow soil and off-site subsurface soil and groundwater for residents.

Under the current and future use scenarios, incomplete pathways are present for:

- Ingestion of groundwater for residents. Potable water is provided to the residents.

7.1.9 Fish and Wildlife Resources Impact Analysis

No impact to fish and wildlife are anticipated for this Site based on the results of the RI Phase I; therefore, a Fish and Wildlife Resources Impact Analysis was not included in the RI Phase II scope of work approved by the NYSDEC.

7.1.10 Source Characterization

The SVOCs, pesticides and herbicides detected at the Site will act as a continuing source of contamination to subsurface soil and groundwater. The contaminants detected in water from the leachate collection system also demonstrate that the Site will act as a continuing source of contamination to off-site surface soil, shallow soil and groundwater.

7.2 Recommendations

The following recommendation is offered for consideration by the NYSDEC.

Based upon the results of the RI, no additional sampling is necessary. URS recommends proceeding with the Feasibility Study.

8.0 REFERENCES AND BIBLIOGRAPHIC INFORMATION

AECOM. January 2011. *Periodic Review Report, Old Agway Store, Site ID No. 5-46-021,* Work Assignment No. D004445-21.

AECOM. May 2011. *Site Management Plan, Old Agway Site, Ballston Spa, New York, NYSDEC Site No. 5-46-021.*

AECOM. December 2011. *Annual Review Report. NYSDEC Standby Contract, Old Agway Store, Site ID No. 5-46-021,* Work Assignment No. D004445-21.

Agway Inc. April 1982. *Letter to A. Mark Pellegrino, Assistant Counsel, NYSDEC*, April 22

Bouwer, H. 1989. *The Bouwer and Rice Slug Test* – An Update, *Ground Water*, Vol. 27, No. 3, pp 304 – 309.

Broughton, J.G., et al. 1966. Geology of New York: *A Short Account*. New York State Museum and Science Service Educational Leaflet No. 20. Albany, NY.

Dineen, R. J. and W. B. Rogers. 1979. *Sedimentary Environments in Glacial Lake Albany in the Albany Section of the Hudson Champlain Lowlands*. In Joint Annual Meeting of the New York State Geological Survey, edited by G. Friedman, 87-95. Albany, New York.

Isachsen, et al. 2000. *Geology of New York: A Simplified Account.* New York State Museum/Geological Survey, State Education Department, University of the State of New York, 2nd Edition.

NYSDEC. August 1981. *Order On Consent, In the Matter of Providing an Interim Measure to Mitigate the Surface and Shallow Subsurface Flow-of Contaminated Leachate from an Inactive Hazardous Waste Disposal Site Known as the Agway-Ballston Spa Site,* August 3.

NYSDEC. May 1990. *Memo from Al Grant to Glenn Bruso,* May 17.

NYSDEC. May 1995. *Transmittal from Denise Wagner to John Strang,* May 12

NYSDEC. April 2000. Division of Water. *Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations*. Technical and Operational Guidance Series (TOGS) No. 1.1.1, Class GA and Class I including January 1999 Errata Sheet, April 2000 Addendum, and June 2004 Addendum.

NYSDEC. December 2006. Division of Environmental Remediation, *6 NYCRR PART 375 Environmental Remediation Programs, Subparts 375-1 to 375- 4 & 375-6.*

NYSDEC. May 2010. Division of Environmental Remediation, *DER-10 Technical Guidance for Site Investigation and Remediation.*

NYSDEC. October 2010. *CP-51 Soil Cleanup Guidance.*

NYSDEC January 2013. *Site Briefing Report.* January 23

NYSDOH. No date provided. *Correspondence from Mr. Ronald Tramontano.*

NYSDOH. January 1981. *Memo from Mr. Hotaling to Mr. Decker*. January 30

NYSDOH. March 1982. *Interim Report - Ballston Spa Agway Samples*. Toxicology Institute, Division of Laboratories and Research

USEPA. May 2013. *Regional Screening Levels (RSL) Summary Table,* Region III

TABLES

TABLE 1-1
SUMMARY OF DETECTED ANALYTES IN HISTORICAL GROUNDWATER SAMPLES
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID			MW-A	MW-A	MW-B	MW-B	MW-B
Sample ID			H-2	MW-A	H-3	MW-B	MW-B
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			01/22/81	03/21/90	01/22/81	03/21/90	05/01/92
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
2,4-Dichlorophenol	UG/L	5	NA		NA		NA
Acenaphthene	UG/L	20	20	NA	10	NA	NA
Atrazine	UG/L	7.5	NA	18	NA	29	1
Fluoranthene	UG/L	50	70	NA	30	NA	NA
Fluorene	UG/L	50	NA	NA	10	NA	NA
Naphthalene	UG/L	10	110	NA	40	NA	NA
Pentachlorophenol	UG/L	1	40	1.0 DJ	NA		
Phenol	UG/L	1	180		30		
Pesticide Organic Compounds							
4,4'-DDD	UG/L	0.3	NA		NA		NA
Aldrin	UG/L	ND	NA		NA		
Demeton	UG/L	-	NA	10	NA	8.2	11
Dieldrin	UG/L	0.004	NA	0.34	NA	0.15	0.22
Herbicides							
2,4,5-TP (Silvex)	UG/L	0.26	NA	6.5 D	NA	4.8 DJ	0.12
2,4-D	UG/L	50	NA	6.7	NA	4.3 J	

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed or no data available.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 1-1
SUMMARY OF DETECTED ANALYTES IN HISTORICAL GROUNDWATER SAMPLES
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID			MW-C	MW-C	MW-C
Sample ID			H-1	MW-C	MW-C
Matrix			Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-
Date Sampled			01/22/81	03/21/90	05/01/92
Parameter	**Units**	**Criteria***			
Semivolatile Organic Compounds					
2,4-Dichlorophenol	UG/L	5	10		NA
Acenaphthene	UG/L	20	10	NA	NA
Atrazine	UG/L	7.5	34,000	1,100 D	610
Fluoranthene	UG/L	50	30	NA	NA
Fluorene	UG/L	50	NA	NA	NA
Naphthalene	UG/L	10	20	NA	NA
Pentachlorophenol	UG/L	1	NA		4.3
Phenol	UG/L	1	140		
Pesticide Organic Compounds					
4,4'-DDD	UG/L	0.3	NA	0.44 J	
Aldrin	UG/L	ND	NA	1.2	0.1
Demeton	UG/L	-	NA	1.4	
Dieldrin	UG/L	0.004	NA	0.61 J	
Herbicides					
2,4,5-TP (Silvex)	UG/L	0.26	NA	1.3 J	1.7
2,4-D	UG/L	50	NA		

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed or no data available.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 1-2
SUMMARY OF DETECTED ANALYTES IN HISTORICAL LEACHATE SAMPLES
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID			LEACHATE	LEACHATE	LEACHATE	LEACHATE	LEACHATE
Sample ID			Leachate	Leachate	Leachate	Leachate	Leachate
Matrix			GW Seep	GW Seep	GW Seep	GW Seep	GW Seep
Depth Interval (ft)			-	-	-	-	-
Date Sampled			04/24/79	06/03/80	10/01/81	01/25/82	02/25/82
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
Atrazine	UG/L	7.5	NA	NA	960	595	515
Pentachlorophenol	UG/L	1	110	20	4	5	6
Phenol	UG/L	1	NA	NA	270	280	270
Pesticide Organic Compounds							
Aldrin	UG/L	ND	NA	NA	NA	NA	NA
Demeton	UG/L	-	NA	NA	NA	NA	NA
Dieldrin	UG/L	0.004	NA	NA	NA	NA	NA
Fensulfothion	UG/L	-	NA	NA	NA	NA	NA
gamma-BHC (Lindane)	UG/L	0.05	NA	NA	NA	NA	NA
gamma-Chlordane	UG/L	0.05	NA	NA	NA	NA	NA
Ronnel	UG/L	-	NA	NA	NA	NA	NA
Herbicides							
2,4,5-T	UG/L	35	NA	NA	NA	NA	NA
2,4,5-TP (Silvex)	UG/L	0.26	NA	61	15	11	10
2,4-D	UG/L	50	NA	110			

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed or no data available.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 1-2
SUMMARY OF DETECTED ANALYTES IN HISTORICAL LEACHATE SAMPLES
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID			LEACHATE	LEACHATE	LEACHATE	LEACHATE	LEACHATE
Sample ID			Leachate	Leachate Sump	Leachate Sump Dup	Leachate Sump	Leachate Sump
Matrix			GW Seep	GW Seep	GW Seep	GW Seep	GW Seep
Depth Interval (ft)			-	-	-	-	-
Date Sampled			03/24/82	03/21/90	03/21/90	08/01/91	05/01/92
Parameter	**Units**	**Criteria***			Field Duplicate (1-1)		
Semivolatile Organic Compounds							
Atrazine	UG/L	7.5	220	160 D	190 D	8.6	240
Pentachlorophenol	UG/L	1	61				
Phenol	UG/L	1	205				
Pesticide Organic Compounds							
Aldrin	UG/L	ND	NA	0.11	0.12	0.29	0.29
Demeton	UG/L	-	NA	3.6	3.4	NA	NA
Dieldrin	UG/L	0.004	NA	0.16	0.17	0.25	0.25
Fensulfothion	UG/L	-	NA	NA	NA	NA	NA
gamma-BHC (Lindane)	UG/L	0.05	NA			NA	NA
gamma-Chlordane	UG/L	0.05	NA			NA	NA
Ronnel	UG/L	-	NA			NA	NA
Herbicides							
2,4,5-T	UG/L	35	NA			NA	2
2,4,5-TP (Silvex)	UG/L	0.26	6.7	1.5	1.6	0.96	NA
2,4-D	UG/L	50					

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed or no data available.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 1-2
SUMMARY OF DETECTED ANALYTES IN HISTORICAL LEACHATE SAMPLES
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID			LEACHATE	LEACHATE	LEACHATE	LEACHATE	LEACHATE
Sample ID			SH595-0411-1746D	SH595-0411-1746D1	Leachate	Leachate	Leachate
Matrix			GW Seep	GW Seep	GW Seep	GW Seep	GW Seep
Depth Interval (ft)			-	-	-	-	-
Date Sampled			04/11/95	04/11/95	11/01/99	08/01/07	11/01/08
Parameter	**Units**	**Criteria***		Field Duplicate (1-1)			
Semivolatile Organic Compounds							
Atrazine	UG/L	7.5	270 D	280 D	546	NA	160
Pentachlorophenol	UG/L	1	NA	NA	NA		
Phenol	UG/L	1	NA	NA	41.2		
Pesticide Organic Compounds							
Aldrin	UG/L	ND	0.15	0.12	0.47	0.13	0.12
Demeton	UG/L	-				NA	NA
Dieldrin	UG/L	0.004		0.18	0.32	0.16	0.20
Fensulfothion	UG/L	-	0.48			NA	NA
gamma-BHC (Lindane)	UG/L	0.05			0.18		
gamma-Chlordane	UG/L	0.05			0.19		
Ronnel	UG/L	-			1.59	NA	NA
Herbicides							
2,4,5-T	UG/L	35			NA	NA	NA
2,4,5-TP (Silvex)	UG/L	0.26			0.85	0.14	0.32
2,4-D	UG/L	50					

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed or no data available.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 1-2
SUMMARY OF DETECTED ANALYTES IN HISTORICAL LEACHATE SAMPLES
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID			LEACHATE	LEACHATE
Sample ID			Leachate	OA-1 10-6-11
Matrix			GW Seep	GW Seep
Depth Interval (ft)			-	-
Date Sampled			02/01/10	10/06/11
Parameter	**Units**	**Criteria***		
Semivolatile Organic Compounds				
Atrazine	UG/L	7.5	150	270 D
Pentachlorophenol	UG/L	1		
Phenol	UG/L	1		
Pesticide Organic Compounds				
Aldrin	UG/L	ND	0.14	0.11 P
Demeton	UG/L	-	NA	
Dieldrin	UG/L	0.004	0.12	0.21
Fensulfothion	UG/L	-	NA	NA
gamma-BHC (Lindane)	UG/L	0.05		
gamma-Chlordane	UG/L	0.05		
Ronnel	UG/L	-	NA	NA
Herbicides				
2,4,5-T	UG/L	35	NA	
2,4,5-TP (Silvex)	UG/L	0.26	0.13	
2,4-D	UG/L	50		

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed or no data available.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 2-1
SUMMARY OF PARAMETERS ANALYZED
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Soil: Surface, Shallow and Subsurface *,**	Groundwater *,**	Leachate Water
Volatile Organic Compounds (VOCs) by 8260B			
1,1,1-Trichloroethane	X	X	X
1,1,2,2-Tetrachloroethane	X	X	X
1,1,2-Trichloro-1,2,2-trifluoroethane	X	X	X
1,1,2-Trichloroethane	X	X	X
1,1-Dichloroethane	X	X	X
1,1-Dichloroethene	X	X	X
1,2,4-Trichlorobenzene	X	X	X
1,2-Dibromo-3-chloropropane	X	X	X
1,2-Dibromoethane	X	X	X
1,2-Dichlorobenzene	X	X	X
1,2-Dichloroethane	X	X	X
1,2-Dichloroethene (cis)	X	X	X
1,2-Dichloroethene (trans)	X	X	X
1,2-Dichloropropane	X	X	X
1,3-Dichlorobenzene	X	X	X
1,3-Dichloropropene (cis)	X	X	X
1,3-Dichloropropene (trans)	X	X	X
1,4-Dichlorobenzene	X	X	X
2-Hexanone	X	X	X
4-Methyl-2-pentanone	X	X	X
Acetone	X	X	X
Benzene	X	X	X
Bromodichloromethane	X	X	X
Bromoform	X	X	X
Bromomethane	X	X	X
Carbon disulfide	X	X	X
Carbon tetrachloride	X	X	X
Chlorobenzene	X	X	X
Chloroethane	X	X	X
Chloroform	X	X	X
Chloromethane	X	X	X
Cyclohexane	X	X	X
Dibromochloromethane	X	X	X
Dichlorodifluoromethane	X	X	X
Ethylbenzene	X	X	X
Isopropylbenzene (Cumene)	X	X	X
Methyl acetate	X	X	X
Methyl ethyl ketone (2-Butanone)	X	X	X
Methyl tert-butyl ether	X	X	X
Methylcyclohexane	X	X	X
Methylene chloride	X	X	X
Styrene	X	X	X
Tetrachloroethene	X	X	X
Toluene	X	X	X
Trichloroethene	X	X	X
Trichlorofluoromethane	X	X	X
Vinyl chloride	X	X	X
Xylene (total)	X	X	X

X = Parameter analyzed in matrix
-- = Not analyzed in matrix

TABLE 2-1
SUMMARY OF PARAMETERS ANALYZED
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Soil: Surface, Shallow and Subsurface *,**	Groundwater *,**	Leachate Water
Semivolatile Organic Compounds (SVOCs) by 8270C			
1,1'-Biphenyl	X	X	X
2,2-oxybis(1-Chloropropane)	X	X	X
2,4,5-Trichlorophenol	X	X	X
2,4,6-Trichlorophenol	X	X	X
2,4-Dichlorophenol	X	X	X
2,4-Dimethylphenol	X	X	X
2,4-Dinitrophenol	X	X	X
2,4-Dinitrotoluene	X	X	X
2,6-Dinitrotoluene	X	X	X
2-Chloronaphthalene	X	X	X
2-Chlorophenol	X	X	X
2-Methylnaphthalene	X	X	X
2-Methylphenol (o-cresol)	X	X	X
2-Nitroaniline	X	X	X
2-Nitrophenol	X	X	X
3,3'-Dichlorobenzidine	X	X	X
3-Nitroaniline	X	X	X
4,6-Dinitro-2-methylphenol	X	X	X
4-Bromophenyl-phenylether	X	X	X
4-Chloro-3-methylphenol	X	X	X
4-Chloroaniline	X	X	X
4-Chlorophenyl-phenylether	X	X	X
4-Nitroaniline	X	X	X
4-Nitrophenol	X	X	X
Acenaphthene	X	X	X
Acenaphthylene	X	X	X
Acetophenone	X	X	X
Anthracene	X	X	X
Atrazine	X	X	X
Benzaldehyde	X	X	X
Benzo(a)anthracene	X	X	X
Benzo(a)pyrene	X	X	X
Benzo(b)fluoranthene	X	X	X
Benzo(g,h,i)perylene	X	X	X
Benzo(k)fluoranthene	X	X	X
bis(2-Chloroethoxy)methane	X	X	X
bis(2-Chloroethyl)ether	X	X	X
bis(2-Ethylhexyl)phthalate	X	X	X
Butylbenzylphthalate	X	X	X
Caprolactam	X	X	X
Carbazole	X	X	X
Chrysene	X	X	X
Dibenz(a,h)anthracene	X	X	X
Dibenzofuran	X	X	X
Diethylphthalate	X	X	X
Dimethylphthalate	X	X	X
Di-n-butylphthalate	X	X	X
Di-n-octylphthalate	X	X	X
Fluoranthene	X	X	X
Fluorene	X	X	X
Hexachlorobenzene	X	X	X

X = Parameter analyzed in matrix
-- = Not analyzed in matrix

TABLE 2-1
SUMMARY OF PARAMETERS ANALYZED
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Soil: Surface, Shallow and Subsurface *,**	Groundwater *,**	Leachate Water
Hexachlorobutadiene	X	X	X
Hexachlorocyclopentadiene	X	X	X
Hexachloroethane	X	X	X
Indeno(1,2,3-cd)pyrene	X	X	X
Isophorone	X	X	X
Naphthalene	X	X	X
Nitrobenzene	X	X	X
N-Nitroso-di-n-propylamine	X	X	X
N-Nitrosodiphenylamine	X	X	X
Pentachlorophenol	X	X	X
Phenanthrene	X	X	X
Phenol	X	X	X
Pyrene	X	X	X
Pesticide Organic Compounds by 8081A			
4,4'-DDD	X	X	X
4,4'-DDE	X	X	X
4,4'-DDT	X	X	X
Aldrin	X	X	X
alpha-BHC	X	X	X
alpha-Chlordane	X	X	X
beta-BHC	X	X	X
delta-BHC	X	X	X
Dieldrin	X	X	X
Endosulfan I	X	X	X
Endosulfan II	X	X	X
Endosulfan sulfate	X	X	X
Endrin	X	X	X
Endrin aldehyde	X	X	X
Endrin ketone	X	X	X
gamma-BHC (Lindane)	X	X	X
gamma-Chlordane	X	X	X
Heptachlor	X	X	X
Heptachlor epoxide	X	X	X
Methoxychlor	X	X	X
Toxaphene	X	X	X
Organophosphorous Pesticide Organic Compounds by 8141A*			
Dimethoate	X	X	X
Disulfoton	X	X	X
Famphur	X	X	X
Methyl parathion	X	X	X
Parathion	X	X	X
Phorate	X	X	X
Thionazin	X	X	X

X = Parameter analyzed in matrix
-- = Not analyzed in matrix

TABLE 2-1
SUMMARY OF PARAMETERS ANALYZED
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Soil: Surface, Shallow and Subsurface *,**	Groundwater *,**	Leachate Water
Chlorinated Herbicide Organic Compounds by 8151B			
2,4,5-T	X	X	X
2,4,5-TP (Silvex)	X	X	X
2,4-D	X	X	X
2,4-DB	X	X	X
Dicamba	X	X	X
Dinoseb	X	X	X
Picrolam	X	X	X
Polychlorinated Biphenyls (PCBs) by 8082**			
Aroclor 1016	X	X	--
Aroclor 1221	X	X	--
Aroclor 1232	X	X	--
Aroclor 1242	X	X	--
Aroclor 1248	X	X	--
Aroclor 1254	X	X	--
Aroclor 1260	X	X	--
Metals by 6010B (soil and water)/7470A (water)/7471A (soil)			
Aluminum	X	X	X
Antimony	X	X	X
Arsenic	X	X	X
Barium	X	X	X
Beryllium	X	X	X
Cadmium	X	X	X
Calcium	X	X	X
Chromium	X	X	X
Cobalt	X	X	X
Copper	X	X	X
Iron	X	X	X
Lead	X	X	X
Magnesium	X	X	X
Manganese	X	X	X
Mercury	X	X	X
Nickel	X	X	X
Potassium	X	X	X
Selenium	X	X	X
Silver	X	X	X
Sodium	X	X	X
Thallium	X	X	X
Vanadium	X	X	X
Zinc	X	X	X

VOCs and/or Metals not analyzed in every May 2013 (RI Phase I) soil sample.
* Organophosphorous pesticide analyses were not performed on the April-May 2014 (RI Phase II) soil and groundwater samples.
** PCB analyses were not performed on the April-May 2014 (RI Phase II) soil, groundwater or leachate samples.

X = Parameter analyzed in matrix
-- = Not analyzed in matrix

TABLE 2-2
GROUNDWATER ELEVATION MEASUREMENTS
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID / Type	Northing	Easting	Ground Elevation (ft)	Casing Elevation (ft)	Meas.point (Riser)Elev.(ft)	Geol. Zone	Date / Time	Depth to Water (ft)	Water Elev. (ft)	Product Thick. (ft)	Corrected Water Elev. (ft)	Remark
MW-01	1519159.3839	665435.9636	290.7935	290.7935	290.4738	A						
MNW							5/28/2013 0000	2.13	288.34	NP		
MNW							6/6/2013 0700	2.55	287.92	NP		
MNW							5/6/2014 1201	2.52	287.95	NP		
MW-02	1519178.2587	665280.5926	288.2084	288.2084	287.9673	A						
MNW							5/28/2013 0000	5.92	282.05	NP		
MNW							6/7/2013 0805	5.91	282.06	NP		
MNW							5/6/2014 1209	4.91	283.06	NP		
MW-03	1519244.2535	665240.6212	288.4476	288.4476	288.0129	A						
MNW							5/28/2013 0000	5.64	282.37	NP		
MNW							6/7/2013 0950	5.75	282.26	NP		
MNW							5/6/2014 1218	5.25	282.76	NP		
MW-04	1519314.1195	665034.4676	275.1515	275.1515	274.7594	A						
MNW							5/28/2013 0000	3.70	271.06	NP		
MNW							6/6/2013 1237	4.02	270.74	NP		
MNW							5/6/2014 1229	3.63	271.13	NP		
MW-05	1519381.215	664989.1065	269.5093	269.5093	269.1287	A						
MNW							5/28/2013 0000	2.53	266.60	NP		
MNW							6/6/2013 0840	2.85	266.28	NP		
MNW							5/6/2014 1232	2.98	266.15	NP		
MW-06	1519429.0751	665151.8633	272.4365	272.4365	272.0526	A						
MNW							5/28/2013 0000	4.98	267.07	NP		
MNW							6/6/2013 1010	5.27	266.78	NP		
MNW							5/6/2014 1236	4.72	267.33	NP		
MW-07	1519147.1263	665310.66996	289.0217	289.0217	288.7107	A						
MNW							5/6/2014 1205	4.00	284.71	NP		

Geologic Zone:
A Shallow Unconfined Aquifer

Type:
MNW Monitoring Well

NP - Not present.

TABLE 2-2
GROUNDWATER ELEVATION MEASUREMENTS
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID / Type	Northing	Easting	Ground Elevation (ft)	Casing Elevation (ft)	Meas.point (Riser)Elev.(ft)	Geol. Zone	Date / Time	Depth to Water (ft)	Water Elev. (ft)	Product Thick. (ft)	Corrected Water Elev. (ft)	Remark
MW-08 MNW	1519205.7852	665203.07466	288.0433	288.0433	287.5044	A	5/6/2014 1213	5.97	281.53	NP		
MW-09 MNW	1519274.9583	665217.49491	288.5824	288.5824	288.3006	A	5/6/2014 1221	5.60	282.70	NP		
MW-10 MNW	1519263.7827	665154.11407	278.6633	278.6633	278.1546	A	5/6/2014 1225	0.86	277.29	NP		

Geologic Zone:
A Shallow Unconfined Aquifer

Type:
MNW Monitoring Well

NP - Not present.

TABLE 2-3
SUMMARY OF DETECTED ANALYTES IN INVESTIGATION DERIVED WASTE SAMPLES
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID			DRUM COMP	DRUM COMP	DRUM COMP
Sample ID			SB-4 DRUM COMP	MW-1 DRUM 2	AQW-1
Matrix			Soil	Soil	Waste Water
Depth Interval (ft)			-	-	-
Date Sampled			05/16/13	05/22/13	05/23/13
Parameter	**Units**	**Criteria***			
TCLP Volatile Organic Compounds					
Chloroform	MG/L	6			0.0050 J
TCLP Metals					
Arsenic	MG/L	5	0.0055 J	0.0399 J	0.0086 J
Barium	MG/L	100	1.04 J	0.0855 J	0.0623 J
Cadmium	MG/L	1	0.0014 J		0.00020 J
Chromium	MG/L	5	0.0027 J	0.0099 J	0.459 J
Lead	MG/L	5	0.0287 J	0.0488 J	0.0594 J
Selenium	MG/L	1	0.0084 NJ	0.0124 NJ	0.0023 J
Silver	MG/L	5	0.00095 J	0.00065 J	0.0023 J
RCRA Characteristics					
Corrosivity (pH)	S.U.	2-12.5	8.4	7.4	8.2

*Criteria- Hazardous Waste Criteria, 40 CFR Part 261, Subpart C - Characteristics of Hazardous Waste

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

Empty cell - Not detected.

Only Detected Results Reported.

TABLE 3-1
SUMMARY OF SLUG TEST RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION

Well	K (centimeters/second)						Formation Mean (***)	Fill Layer Mean (***)	Clayey Silt Layer Mean (***)
ID	FH 1	RH 1	FH 2	RH 2	N (**)	Mean (***)	K (centimeters/second)		
MW-1	2.42E-06	1.66E-06	NA	NA	2	2.00E-06	1.65E-05	2.0 E-04	3.10E-06
MW-2	2.95E-05	1.28E-04	2.61E-05	8.19E-05	4	5.34E-05			
MW-3	5.11E-04	1.08E-03	5.49E-04	1.22E-03	4	7.81E-04			
MW-4	5.31E-05	3.99E-05	5.21E-05	4.57E-05	4	4.74E-05			
MW-5	3.14E-07	INVALID	NA	NA	1	3.14E-07			
MW-6	INVALID	INVALID	INVALID	INVALID	0	NA			

(**) - number of valid tests
(***) - geometric mean

FH - Falling head test
RH - Rising head test
N - Number of valid test
NA - Not applicable (no test)
K - Hydraulic conductivity

Fill Layer Mean includes MW-02, MW-03
Clayey Silt Layer Mean includes MW-01, MW-04 and MW-05

Note:
-For all graphs, normalized head is defined as H(t)/Ho, where H(t) is the displacement measured at time t and Ho is the initial displacement at time t=0.

-While the geometric mean for both the falling and rising head tests are given, it is understood that the rising head tests more accurately describe the overall hydraulic characteristics of the aquifer.
Reference: *The Bouwer and Rice Slug Test – An Update* (Bouwer, 1989)

-Curve of best fit for all graphs were interpreted from the initial portion of each data set where well screens are fully submerged during testing. i.e., the developed sand pack cannot drain and inflow/outflow from the well is attributed to the aquifer.
Reference: *The Bouwer and Rice Slug Test – An Update* (Bouwer, 1989)

TABLE 4-1
SUMMARY OF DETECTED ANALYTES IN SITE BACKGROUND SOILS
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID			MW-01	MW-01	MW-01	MW-01	MW-01
Sample ID			MW-1 (0-2)	MW-1 (2-4)	MW-1 (4-6)	MW-1 (6-8)	MW-1 (8-10)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			0.0-2.0	2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0
Date Sampled			05/13/13	05/13/13	05/13/13	05/13/13	05/13/13
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
Acetone	MG/KG	0.05			0.034		
Methyl ethyl ketone (2-Butanone)	MG/KG	0.12					
Semivolatile Organic Compounds							
2-Methylnaphthalene	MG/KG	0.41	0.084 J				
Acenaphthylene	MG/KG	100	0.099 J				
Anthracene	MG/KG	100					
Benzaldehyde	MG/KG	-					
Benzo(a)anthracene	MG/KG	1	0.17 J				
Benzo(a)pyrene	MG/KG	1	0.15 J				
Benzo(b)fluoranthene	MG/KG	1	0.22 J	0.086 J			
Benzo(g,h,i)perylene	MG/KG	100					
Benzo(k)fluoranthene	MG/KG	0.8					
bis(2-Ethylhexyl)phthalate	MG/KG	50	0.76				
Butylbenzylphthalate	MG/KG	100					
Carbazole	MG/KG	-					
Chrysene	MG/KG	1	0.19 J				
Dibenz(a,h)anthracene	MG/KG	0.33					
Di-n-octylphthalate	MG/KG	100					
Fluoranthene	MG/KG	100	0.23 J				
Indeno(1,2,3-cd)pyrene	MG/KG	0.5					
Phenanthrene	MG/KG	100	0.31 J				
Pyrene	MG/KG	100	0.33 J				

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

D - Result reported from a secondary dilution analysis.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 4-1
SUMMARY OF DETECTED ANALYTES IN SITE BACKGROUND SOILS
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID			MW-01	MW-01	MW-01	MW-01	MW-01
Sample ID			MW-1 (0-2)	MW-1 (2-4)	MW-1 (4-6)	MW-1 (6-8)	MW-1 (8-10)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			0.0-2.0	2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0
Date Sampled			05/13/13	05/13/13	05/13/13	05/13/13	05/13/13
Parameter	**Units**	**Criteria***					
Pesticide Organic Compounds							
4,4'-DDD	MG/KG	0.0033					
4,4'-DDE	MG/KG	0.0033	0.0018 J				
4,4'-DDT	MG/KG	0.0033	0.0058				
beta-BHC	MG/KG	0.036					
Dieldrin	MG/KG	0.005					
Endosulfan I	MG/KG	2.4					
Endosulfan II	MG/KG	2.4					
Endrin aldehyde	MG/KG	-					
gamma-BHC (Lindane)	MG/KG	0.1					
gamma-Chlordane	MG/KG	0.54					
Methoxychlor	MG/KG	1.2					
Herbicides							
2,4,5-TP (Silvex)	MG/KG	3.8					
2,4-D	MG/KG	0.5					
2,4-DB	MG/KG	-				0.019 J	
Dicamba	MG/KG	-					
Dinoseb	MG/KG	-					
Polychlorinated Biphenyls							
Aroclor 1260	MG/KG	-					
Total Polychlorinated Biphenyls	MG/KG	0.1	ND	ND	ND	ND	ND
Metals							
Aluminum	MG/KG	10000	4,930	6,780	9,290	10,400	9,230

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

D - Result reported from a secondary dilution analysis.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 4-1
SUMMARY OF DETECTED ANALYTES IN SITE BACKGROUND SOILS
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID			MW-01	MW-01	MW-01	MW-01	MW-01
Sample ID			MW-1 (0-2)	MW-1 (2-4)	MW-1 (4-6)	MW-1 (6-8)	MW-1 (8-10)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			0.0-2.0	2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0
Date Sampled			05/13/13	05/13/13	05/13/13	05/13/13	05/13/13
Parameter	**Units**	**Criteria***					
Metals							
Antimony	MG/KG	12	0.56 J				
Arsenic	MG/KG	13	9.2	1.2	1.4	2.0	3.2
Barium	MG/KG	350	37.9	11.1 J	39.0	44.6	43.4
Beryllium	MG/KG	7.2	0.23 J	0.16 J	0.17 J	0.24 J	0.26 J
Cadmium	MG/KG	2.5					
Calcium	MG/KG	10000	17,900	794	3,700	4,960	4,590
Chromium	MG/KG	30	15.8	6.9	16.4	21.1	16.0
Cobalt	MG/KG	20	5.3 J	3.0 J	7.1	8.2	8.9
Copper	MG/KG	50	36.8	5.3	5.4	6.7	6.5
Iron	MG/KG	2000	17,500	8,880	20,000	26,900	24,400
Lead	MG/KG	63	106	8.0	1.2	0.74	1.4
Magnesium	MG/KG	-	4,140	1,590	2,100	2,820	2,820
Manganese	MG/KG	1600	187	72.6	202	302	427
Mercury	MG/KG	0.18	0.045				
Nickel	MG/KG	30	10.3	4.3 J	6.8	7.5	8.8
Potassium	MG/KG	-					917
Selenium	MG/KG	3.9					
Silver	MG/KG	2					
Sodium	MG/KG	-	290 J	146 J	588 J	735	593 J
Vanadium	MG/KG	39	17.0	12.4	30.4	41.5	34.2
Zinc	MG/KG	109	59.9	23.3	38.6	50.2	47.1

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

D - Result reported from a secondary dilution analysis.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 4-1
SUMMARY OF DETECTED ANALYTES IN SITE BACKGROUND SOILS
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID			MW-01	MW-01	MW-01	MW-04	MW-05
Sample ID			MW-1 (10-12)	MW-1 (12-14)	MW-1 (14-16)	MW-4 (2-4)	MW-5 (6-8)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			10.0-12.0	12.0-14.0	14.0-16.0	2.0-4.0	6.0-8.0
Date Sampled			05/13/13	05/13/13	05/13/13	05/20/13	05/21/13
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
Acetone	MG/KG	0.05					
Methyl ethyl ketone (2-Butanone)	MG/KG	0.12					
Semivolatile Organic Compounds							
2-Methylnaphthalene	MG/KG	0.41					
Acenaphthylene	MG/KG	100					
Anthracene	MG/KG	100					
Benzaldehyde	MG/KG	-					
Benzo(a)anthracene	MG/KG	1					
Benzo(a)pyrene	MG/KG	1					
Benzo(b)fluoranthene	MG/KG	1					
Benzo(g,h,i)perylene	MG/KG	100					
Benzo(k)fluoranthene	MG/KG	0.8					
bis(2-Ethylhexyl)phthalate	MG/KG	50			0.18 J		
Butylbenzylphthalate	MG/KG	100					
Carbazole	MG/KG	-					
Chrysene	MG/KG	1					
Dibenz(a,h)anthracene	MG/KG	0.33					
Di-n-octylphthalate	MG/KG	100					
Fluoranthene	MG/KG	100					
Indeno(1,2,3-cd)pyrene	MG/KG	0.5					
Phenanthrene	MG/KG	100					
Pyrene	MG/KG	100					

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

D - Result reported from a secondary dilution analysis.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 4-1
SUMMARY OF DETECTED ANALYTES IN SITE BACKGROUND SOILS
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID			MW-01	MW-01	MW-01	MW-04	MW-05
Sample ID			MW-1 (10-12)	MW-1 (12-14)	MW-1 (14-16)	MW-4 (2-4)	MW-5 (6-8)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			10.0-12.0	12.0-14.0	14.0-16.0	2.0-4.0	6.0-8.0
Date Sampled			05/13/13	05/13/13	05/13/13	05/20/13	05/21/13
Parameter	**Units**	**Criteria***					
Pesticide Organic Compounds							
4,4'-DDD	MG/KG	0.0033				0.0020 J	
4,4'-DDE	MG/KG	0.0033					
4,4'-DDT	MG/KG	0.0033					
beta-BHC	MG/KG	0.036					
Dieldrin	MG/KG	0.005				0.0023 J	
Endosulfan I	MG/KG	2.4					
Endosulfan II	MG/KG	2.4					
Endrin aldehyde	MG/KG	-					
gamma-BHC (Lindane)	MG/KG	0.1					
gamma-Chlordane	MG/KG	0.54					
Methoxychlor	MG/KG	1.2					
Herbicides							
2,4,5-TP (Silvex)	MG/KG	3.8					
2,4-D	MG/KG	0.5					
2,4-DB	MG/KG	-			0.023 J	0.15	
Dicamba	MG/KG	-					
Dinoseb	MG/KG	-					
Polychlorinated Biphenyls							
Aroclor 1260	MG/KG	-					
Total Polychlorinated Biphenyls	MG/KG	0.1	ND	ND	ND	ND	ND
Metals							
Aluminum	MG/KG	10000	10,700	10,400	11,800	9,180	7,970

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

D - Result reported from a secondary dilution analysis.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 4-1
SUMMARY OF DETECTED ANALYTES IN SITE BACKGROUND SOILS
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID			MW-01	MW-01	MW-01	MW-04	MW-05
Sample ID			MW-1 (10-12)	MW-1 (12-14)	MW-1 (14-16)	MW-4 (2-4)	MW-5 (6-8)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			10.0-12.0	12.0-14.0	14.0-16.0	2.0-4.0	6.0-8.0
Date Sampled			05/13/13	05/13/13	05/13/13	05/20/13	05/21/13
Parameter	**Units**	**Criteria***					
Metals							
Antimony	MG/KG	12				0.55 J	0.53 J
Arsenic	MG/KG	13	2.2	2.8	2.7	0.86 J	4.1
Barium	MG/KG	350	53.3	46.4	59.8	49.1	55.9
Beryllium	MG/KG	7.2	0.19 J	0.16 J	0.28 J		0.34 J
Cadmium	MG/KG	2.5					
Calcium	MG/KG	10000	5,590	7,330	5,770	1,880	34,200
Chromium	MG/KG	30	18.9	16.5	20.1	15.4	20.0
Cobalt	MG/KG	20	10.4	9.4	10.2	4.8 J	8.8
Copper	MG/KG	50	7.1	6.2	10.1	1.7 J	17.8
Iron	MG/KG	2000	25,800	23,800	25,900	16,300	20,500
Lead	MG/KG	63	0.36 J	0.68	2.5	7.2 J+	18.8
Magnesium	MG/KG	-	3,500	4,120	4,620	3,160	9,980
Manganese	MG/KG	1600	437	246	298	201	307
Mercury	MG/KG	0.18				0.27	
Nickel	MG/KG	30	10.2	7.5	11.2	9.4	19.3
Potassium	MG/KG	-		833	1,150	1,040	1,390
Selenium	MG/KG	3.9					
Silver	MG/KG	2					
Sodium	MG/KG	-	738	899	755	155 J	207 J
Vanadium	MG/KG	39	40.2	36.2	37.0	17.3	19.6
Zinc	MG/KG	109	51.8	48.1	57.1	36.0	55.1

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

D - Result reported from a secondary dilution analysis.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 4-1
SUMMARY OF DETECTED ANALYTES IN SITE BACKGROUND SOILS
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID			MW-06	MW-07	MW-07	MW-07	MW-07
Sample ID			MW-6 (2-4)	MW-7 (0-2')	MW-7 (2-4')	MW-7 (4-6')	MW-7 (6-8')
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			2.0-4.0	0.0-2.0	2.0-4.0	4.0-6.0	6.0-8.0
Date Sampled			05/21/13	04/28/14	04/28/14	04/28/14	04/28/14
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
Acetone	MG/KG	0.05	NA			0.070 J	0.089 J
Methyl ethyl ketone (2-Butanone)	MG/KG	0.12	NA			0.012 J	0.015 J
Semivolatile Organic Compounds							
2-Methylnaphthalene	MG/KG	0.41			0.097 J		
Acenaphthylene	MG/KG	100					
Anthracene	MG/KG	100					
Benzaldehyde	MG/KG	-					
Benzo(a)anthracene	MG/KG	1			0.074 J		
Benzo(a)pyrene	MG/KG	1			0.10 J		
Benzo(b)fluoranthene	MG/KG	1		0.095 J	0.18 J		
Benzo(g,h,i)perylene	MG/KG	100			0.11 J		
Benzo(k)fluoranthene	MG/KG	0.8					
bis(2-Ethylhexyl)phthalate	MG/KG	50			0.14 J		0.11 J
Butylbenzylphthalate	MG/KG	100					
Carbazole	MG/KG	-					
Chrysene	MG/KG	1		0.11 J	0.19 J		
Dibenz(a,h)anthracene	MG/KG	0.33					
Di-n-octylphthalate	MG/KG	100					
Fluoranthene	MG/KG	100		0.21 J	0.25 J		
Indeno(1,2,3-cd)pyrene	MG/KG	0.5					
Phenanthrene	MG/KG	100		0.12 J	0.16 J		
Pyrene	MG/KG	100		0.16 J	0.27 J		

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

D - Result reported from a secondary dilution analysis.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 4-1
SUMMARY OF DETECTED ANALYTES IN SITE BACKGROUND SOILS
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID			MW-06	MW-07	MW-07	MW-07	MW-07
Sample ID			MW-6 (2-4)	MW-7 (0-2')	MW-7 (2-4')	MW-7 (4-6')	MW-7 (6-8')
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			2.0-4.0	0.0-2.0	2.0-4.0	4.0-6.0	6.0-8.0
Date Sampled			05/21/13	04/28/14	04/28/14	04/28/14	04/28/14
Parameter	**Units**	**Criteria***					
Pesticide Organic Compounds							
4,4'-DDD	MG/KG	0.0033					
4,4'-DDE	MG/KG	0.0033			0.0029 J		
4,4'-DDT	MG/KG	0.0033			0.0073		
beta-BHC	MG/KG	0.036					
Dieldrin	MG/KG	0.005					
Endosulfan I	MG/KG	2.4			0.0029		
Endosulfan II	MG/KG	2.4			0.0052		
Endrin aldehyde	MG/KG	-					
gamma-BHC (Lindane)	MG/KG	0.1					
gamma-Chlordane	MG/KG	0.54					
Methoxychlor	MG/KG	1.2					
Herbicides							
2,4,5-TP (Silvex)	MG/KG	3.8					
2,4-D	MG/KG	0.5	0.018 J				
2,4-DB	MG/KG	-	0.034				
Dicamba	MG/KG	-					
Dinoseb	MG/KG	-					
Polychlorinated Biphenyls							
Aroclor 1260	MG/KG	-		NA	NA	NA	NA
Total Polychlorinated Biphenyls	MG/KG	0.1	ND	NA	NA	NA	NA
Metals							
Aluminum	MG/KG	10000	NA	2,160	3,280	8,800	10,800

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

D - Result reported from a secondary dilution analysis.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 4-1
SUMMARY OF DETECTED ANALYTES IN SITE BACKGROUND SOILS
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID			MW-06	MW-07	MW-07	MW-07	MW-07
Sample ID			MW-6 (2-4)	MW-7 (0-2')	MW-7 (2-4')	MW-7 (4-6')	MW-7 (6-8')
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			2.0-4.0	0.0-2.0	2.0-4.0	4.0-6.0	6.0-8.0
Date Sampled			05/21/13	04/28/14	04/28/14	04/28/14	04/28/14
Parameter	**Units**	**Criteria***					
Metals							
Antimony	MG/KG	12	NA	0.32 J	0.27 J		
Arsenic	MG/KG	13	NA	3.1	13.3	4.1	2.8
Barium	MG/KG	350	NA	41.0	89.8	49.6	42.0
Beryllium	MG/KG	7.2	NA				
Cadmium	MG/KG	2.5	NA				
Calcium	MG/KG	10000	NA	2,260	30,600	2,570	2,520
Chromium	MG/KG	30	NA	10.9	486	15.4	17.8
Cobalt	MG/KG	20	NA			6.7	6.3
Copper	MG/KG	50	NA	20.9	25.8	20.2	5.9
Iron	MG/KG	2000	NA	3,620	8,870	17,700	19,600
Lead	MG/KG	63	NA	118	64.3	66.8	9.9
Magnesium	MG/KG	-	NA		15,300	2,420	2,340
Manganese	MG/KG	1600	NA	74.4	175	313	164
Mercury	MG/KG	0.18	NA			0.072	
Nickel	MG/KG	30	NA	9.4	9.7	11.3	7.5
Potassium	MG/KG	-	NA			996	615
Selenium	MG/KG	3.9	NA		1.4	2.5	3.0
Silver	MG/KG	2	NA		1.1	1.9	2.0
Sodium	MG/KG	-	NA	215 J	207 J	221 J	246 J
Vanadium	MG/KG	39	NA	13.4	19.4	18.8	26.1
Zinc	MG/KG	109	NA	56.9	108	51.8	33.9

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

D - Result reported from a secondary dilution analysis.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 4-1
SUMMARY OF DETECTED ANALYTES IN SITE BACKGROUND SOILS
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID			MW-07	MW-07	MW-07	MW-07	MW-07
Sample ID			MW-7 (8-10')	MW-7 (10-12')	MW-7 (12-14')	MW-7 (14-16')	MW-7 (DUP1)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			8.0-10.0	10.0-12.0	12.0-14.0	14.0-16.0	14.0-16.0
Date Sampled			04/28/14	04/28/14	04/28/14	04/28/14	04/28/14
Parameter	**Units**	**Criteria***					Field Duplicate (1-1)
Volatile Organic Compounds							
Acetone	MG/KG	0.05					
Methyl ethyl ketone (2-Butanone)	MG/KG	0.12					
Semivolatile Organic Compounds							
2-Methylnaphthalene	MG/KG	0.41					
Acenaphthylene	MG/KG	100					
Anthracene	MG/KG	100					
Benzaldehyde	MG/KG	-					
Benzo(a)anthracene	MG/KG	1					
Benzo(a)pyrene	MG/KG	1					
Benzo(b)fluoranthene	MG/KG	1					
Benzo(g,h,i)perylene	MG/KG	100					
Benzo(k)fluoranthene	MG/KG	0.8					
bis(2-Ethylhexyl)phthalate	MG/KG	50					
Butylbenzylphthalate	MG/KG	100					
Carbazole	MG/KG	-					
Chrysene	MG/KG	1					
Dibenz(a,h)anthracene	MG/KG	0.33					
Di-n-octylphthalate	MG/KG	100					
Fluoranthene	MG/KG	100					
Indeno(1,2,3-cd)pyrene	MG/KG	0.5					
Phenanthrene	MG/KG	100					
Pyrene	MG/KG	100					

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

D - Result reported from a secondary dilution analysis.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 4-1
SUMMARY OF DETECTED ANALYTES IN SITE BACKGROUND SOILS
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID			MW-07	MW-07	MW-07	MW-07	MW-07
Sample ID			MW-7 (8-10')	MW-7 (10-12')	MW-7 (12-14')	MW-7 (14-16')	MW-7 (DUP1)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			8.0-10.0	10.0-12.0	12.0-14.0	14.0-16.0	14.0-16.0
Date Sampled			04/28/14	04/28/14	04/28/14	04/28/14	04/28/14
Parameter	**Units**	**Criteria***					Field Duplicate (1-1)
Pesticide Organic Compounds							
4,4'-DDD	MG/KG	0.0033					
4,4'-DDE	MG/KG	0.0033					
4,4'-DDT	MG/KG	0.0033					
beta-BHC	MG/KG	0.036					
Dieldrin	MG/KG	0.005					
Endosulfan I	MG/KG	2.4					
Endosulfan II	MG/KG	2.4					
Endrin aldehyde	MG/KG	-					
gamma-BHC (Lindane)	MG/KG	0.1					
gamma-Chlordane	MG/KG	0.54					
Methoxychlor	MG/KG	1.2					
Herbicides							
2,4,5-TP (Silvex)	MG/KG	3.8		0.0030 NJ		0.0046 J	
2,4-D	MG/KG	0.5					
2,4-DB	MG/KG	-			0.019 NJ		
Dicamba	MG/KG	-			0.0080 J		
Dinoseb	MG/KG	-			0.018 NJ		
Polychlorinated Biphenyls							
Aroclor 1260	MG/KG	-	NA	NA	NA	NA	NA
Total Polychlorinated Biphenyls	MG/KG	0.1	NA	NA	NA	NA	NA
Metals							
Aluminum	MG/KG	10000	6,800	9,810	11,400	11,300 J	20,400 J

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

D - Result reported from a secondary dilution analysis.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 4-1
SUMMARY OF DETECTED ANALYTES IN SITE BACKGROUND SOILS
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID			MW-07	MW-07	MW-07	MW-07	MW-07
Sample ID			MW-7 (8-10')	MW-7 (10-12')	MW-7 (12-14')	MW-7 (14-16')	MW-7 (DUP1)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			8.0-10.0	10.0-12.0	12.0-14.0	14.0-16.0	14.0-16.0
Date Sampled			04/28/14	04/28/14	04/28/14	04/28/14	04/28/14
Parameter	**Units**	**Criteria***					Field Duplicate (1-1)
Metals							
Antimony	MG/KG	12					
Arsenic	MG/KG	13	3.2	2.5	2.8	2.7 J	5.9 J
Barium	MG/KG	350	28.9	46.8	53.6	61.7 J	125 J
Beryllium	MG/KG	7.2				0.62	1.1
Cadmium	MG/KG	2.5					
Calcium	MG/KG	10000	3,150	5,000	5,910	19,700	15,700
Chromium	MG/KG	30	13.7	17.0	18.1	19.7	32.5
Cobalt	MG/KG	20	6.4	7.0	10.0	10.3	17.6
Copper	MG/KG	50	11.3	12.1	12.5	14.2 J	27.9 J
Iron	MG/KG	2000	15,400	18,000	21,200	22,500	35,000
Lead	MG/KG	63	6.7	7.3	5.5	6.5	10.4
Magnesium	MG/KG	-	1,780	3,160	3,810	7,180	9,850
Manganese	MG/KG	1600	178	206	236	325	400
Mercury	MG/KG	0.18					
Nickel	MG/KG	30	7.1	7.8	8.7	10.4 J	22.4 J
Potassium	MG/KG	-	740	1,160	1,520	1,810 J	3,370 J
Selenium	MG/KG	3.9	2.0	2.3	3.0	3.6 J	6.4 J
Silver	MG/KG	2	1.5	1.7	2.1	2.2	3.6
Sodium	MG/KG	-	366 J	628	866	751	899
Vanadium	MG/KG	39	22.9	28.4	34.6	37.1 J	80.0 J
Zinc	MG/KG	109	33.2	44.2	52.7	53.2 J	93.4 J

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

D - Result reported from a secondary dilution analysis.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 4-1
SUMMARY OF DETECTED ANALYTES IN SITE BACKGROUND SOILS
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID			SS-01	SS-02	SS-06
Sample ID			SS-1	SS-2	SS-6
Matrix			Soil	Soil	Soil
Depth Interval (ft)			0.0-0.5	0.0-0.5	0.0-0.5
Date Sampled			05/22/13	05/22/13	05/23/13
Parameter	**Units**	**Criteria***			
Volatile Organic Compounds					
Acetone	MG/KG	0.05			
Methyl ethyl ketone (2-Butanone)	MG/KG	0.12			
Semivolatile Organic Compounds					
2-Methylnaphthalene	MG/KG	0.41			
Acenaphthylene	MG/KG	100			
Anthracene	MG/KG	100	0.16 J		
Benzaldehyde	MG/KG	-	0.084 J	0.11 J	
Benzo(a)anthracene	MG/KG	1	2.4	0.15 J	
Benzo(a)pyrene	MG/KG	1	3.5	0.16 J	
Benzo(b)fluoranthene	MG/KG	1	8.0 D	0.33 J	
Benzo(g,h,i)perylene	MG/KG	100	1.9	0.13 J	
Benzo(k)fluoranthene	MG/KG	0.8	1.7	0.12 J	
bis(2-Ethylhexyl)phthalate	MG/KG	50	1.4	0.15 J	
Butylbenzylphthalate	MG/KG	100		0.46 J	
Carbazole	MG/KG	-		0.20 J	
Chrysene	MG/KG	1	4.2	0.23 J	
Dibenz(a,h)anthracene	MG/KG	0.33	0.56		
Di-n-octylphthalate	MG/KG	100	0.16 J		
Fluoranthene	MG/KG	100	7.9 D	0.41 J	
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	1.7	0.099 J	
Phenanthrene	MG/KG	100	1.5	0.24 J	
Pyrene	MG/KG	100	5.1	0.38 J	

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

D - Result reported from a secondary dilution analysis.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 4-1
SUMMARY OF DETECTED ANALYTES IN SITE BACKGROUND SOILS
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID			SS-01	SS-02	SS-06
Sample ID			SS-1	SS-2	SS-6
Matrix			Soil	Soil	Soil
Depth Interval (ft)			0.0-0.5	0.0-0.5	0.0-0.5
Date Sampled			05/22/13	05/22/13	05/23/13
Parameter	**Units**	**Criteria***			
Pesticide Organic Compounds					
4,4'-DDD	MG/KG	0.0033			
4,4'-DDE	MG/KG	0.0033		0.0027 NJ	
4,4'-DDT	MG/KG	0.0033	0.017 J		
beta-BHC	MG/KG	0.036		0.0013 NJ	
Dieldrin	MG/KG	0.005			
Endosulfan I	MG/KG	2.4	0.0022 J		
Endosulfan II	MG/KG	2.4			
Endrin aldehyde	MG/KG	-	0.0045 NJ		
gamma-BHC (Lindane)	MG/KG	0.1		0.0016 NJ	
gamma-Chlordane	MG/KG	0.54		0.0014 NJ	
Methoxychlor	MG/KG	1.2	0.016 NJ		
Herbicides					
2,4,5-TP (Silvex)	MG/KG	3.8			
2,4-D	MG/KG	0.5			
2,4-DB	MG/KG	-		0.015	
Dicamba	MG/KG	-			0.0056
Dinoseb	MG/KG	-			
Polychlorinated Biphenyls					
Aroclor 1260	MG/KG	-	0.024 J		
Total Polychlorinated Biphenyls	MG/KG	0.1	0.024	ND	ND
Metals					
Aluminum	MG/KG	10000	5,490	6,320	6,260

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

D - Result reported from a secondary dilution analysis.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 4-1
SUMMARY OF DETECTED ANALYTES IN SITE BACKGROUND SOILS
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID			SS-01	SS-02	SS-06
Sample ID			SS-1	SS-2	SS-6
Matrix			Soil	Soil	Soil
Depth Interval (ft)			0.0-0.5	0.0-0.5	0.0-0.5
Date Sampled			05/22/13	05/22/13	05/23/13
Parameter	**Units**	**Criteria***			
Metals					
Antimony	MG/KG	12	0.96 J		0.20 J
Arsenic	MG/KG	13	3.1	3.2	2.0
Barium	MG/KG	350	28.2	31.8	23.1 J
Beryllium	MG/KG	7.2	0.26 J	0.26 J	0.28 J
Cadmium	MG/KG	2.5		0.16 J	
Calcium	MG/KG	10000	8,670	6,940	1,210
Chromium	MG/KG	30	39.7	281	8.9
Cobalt	MG/KG	20	4.8 J	5.2 J	3.8 J
Copper	MG/KG	50	24.5	64.2	5.0 J
Iron	MG/KG	2000	16,600	12,700	10,500
Lead	MG/KG	63	116	69.8	15.3 J
Magnesium	MG/KG	-	4,970	3,470	1,480 J
Manganese	MG/KG	1600	223	149	141 J
Mercury	MG/KG	0.18	0.048	0.20	0.027 J
Nickel	MG/KG	30	10.3	10.7	5.5
Potassium	MG/KG	-		600 J	407 J
Selenium	MG/KG	3.9			
Silver	MG/KG	2		0.13 J	
Sodium	MG/KG	-	507 J		
Vanadium	MG/KG	39	19.2	22.1	13.3
Zinc	MG/KG	109	131	167	29.5

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

D - Result reported from a secondary dilution analysis.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 4-2
STATISTICAL SUMMARY OF DETECTED ANALYTES IN SITE BACKGROUND SHALLOW SOILS
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Semivolatile Organic Compounds										
2-Methylnaphthalene	MG/KG	0.41	5	1	0.084	0.084	0.084	0	MW-01	0-2
Acenaphthylene	MG/KG	100	5	1	0.099	0.099	0.099	0	MW-01	0-2
Anthracene	MG/KG	100	5	1	0.160	0.160	0.160	0	SS-01	0-0.5
Benzaldehyde	MG/KG	-	5	2	0.084	0.110	0.097	0	SS-02	0-0.5
Benzo(a)anthracene	MG/KG	1	5	3	0.150	2.40	0.907	1	SS-01	0-0.5
Benzo(a)pyrene	MG/KG	1	5	3	0.150	3.50	1.27	1	SS-01	0-0.5
Benzo(b)fluoranthene	MG/KG	1	5	4	0.095	8.00	2.16	1	SS-01	0-0.5
Benzo(g,h,i)perylene	MG/KG	100	5	2	0.130	1.90	1.02	0	SS-01	0-0.5
Benzo(k)fluoranthene	MG/KG	0.8	5	2	0.120	1.70	0.910	1	SS-01	0-0.5
bis(2-Ethylhexyl)phthalate	MG/KG	50	5	3	0.150	1.40	0.770	0	SS-01	0-0.5
Butylbenzylphthalate	MG/KG	100	5	1	0.460	0.460	0.460	0	SS-02	0-0.5
Carbazole	MG/KG	-	5	1	0.200	0.200	0.200	0	SS-02	0-0.5
Chrysene	MG/KG	1	5	4	0.110	4.20	1.18	1	SS-01	0-0.5
Dibenz(a,h)anthracene	MG/KG	0.33	5	1	0.560	0.560	0.560	1	SS-01	0-0.5
Di-n-octylphthalate	MG/KG	100	5	1	0.160	0.160	0.160	0	SS-01	0-0.5
Fluoranthene	MG/KG	100	5	4	0.210	7.90	2.19	0	SS-01	0-0.5
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	5	2	0.099	1.70	0.900	1	SS-01	0-0.5
Phenanthrene	MG/KG	100	5	4	0.120	1.50	0.543	0	SS-01	0-0.5
Pyrene	MG/KG	100	5	4	0.160	5.10	1.49	0	SS-01	0-0.5

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Concentration Exceeds Criteria

Only Detected Results Reported.

TABLE 4-2
STATISTICAL SUMMARY OF DETECTED ANALYTES IN SITE BACKGROUND SHALLOW SOILS
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Pesticide Organic Compounds										
4,4'-DDE	MG/KG	0.0033	5	2	0.002	0.003	0.002	0	SS-02	0-0.5
4,4'-DDT	MG/KG	0.0033	5	2	0.006	0.017	0.011	2	SS-01	0-0.5
beta-BHC	MG/KG	0.036	5	1	0.001	0.001	0.001	0	SS-02	0-0.5
Endosulfan I	MG/KG	2.4	5	1	0.002	0.002	0.002	0	SS-01	0-0.5
Endrin aldehyde	MG/KG	-	5	1	0.005	0.005	0.005	0	SS-01	0-0.5
gamma-BHC (Lindane)	MG/KG	0.1	5	1	0.002	0.002	0.002	0	SS-02	0-0.5
gamma-Chlordane	MG/KG	0.54	5	1	0.001	0.001	0.001	0	SS-02	0-0.5
Methoxychlor	MG/KG	1.2	5	1	0.016	0.016	0.016	0	SS-01	0-0.5
Herbicides										
2,4-DB	MG/KG	-	5	1	0.015	0.015	0.015	0	SS-02	0-0.5
Dicamba	MG/KG	-	5	1	0.006	0.006	0.006	0	SS-06	0-0.5
Polychlorinated Biphenyls										
Aroclor 1260	MG/KG	-	4	1	0.024	0.024	0.024	0	SS-01	0-0.5
Metals										
Aluminum	MG/KG	10000	5	5	2,160	6,320	5,032	0	SS-02	0-0.5
Antimony	MG/KG	12	5	4	0.200	0.960	0.510	0	SS-01	0-0.5
Arsenic	MG/KG	13	5	5	2.00	9.20	4.12	0	MW-01	0-2
Barium	MG/KG	350	5	5	23.10	41.00	32.40	0	MW-07	0-2

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Concentration Exceeds Criteria

Only Detected Results Reported.

WHERE ([LOCID] = 'MW-01' OR [LOCID] = 'MW-04' OR [LOCID] = 'MW-05' OR [LOCID] = 'MW-06' OR [LOCID] = 'MW-07' OR [LOCID] = 'SS-01' OR [LOCID] = 'SS-02' OR [LOCID] = 'SS-06') AND [MATRIX] = 'SO' AND ([SED] = '0' OR [SED] = '0.5' OR [SED] = '1.5' OR [SED] = '2');

TABLE 4-2
STATISTICAL SUMMARY OF DETECTED ANALYTES IN SITE BACKGROUND SHALLOW SOILS
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Metals										
Beryllium	MG/KG	7.2	5	4	0.230	0.280	0.258	0	SS-06	0-0.5
Cadmium	MG/KG	2.5	5	1	0.160	0.160	0.160	0	SS-02	0-0.5
Calcium	MG/KG	10000	5	5	1,210	1.79E+04	7,396	1	MW-01	0-2
Chromium	MG/KG	30	5	5	8.90	281.0	71.26	2	SS-02	0-0.5
Cobalt	MG/KG	20	5	4	3.80	5.30	4.78	0	MW-01	0-2
Copper	MG/KG	50	5	5	5.00	64.20	30.28	1	SS-02	0-0.5
Iron	MG/KG	2000	5	5	3,620	1.75E+04	1.22E+04	5	MW-01	0-2
Lead	MG/KG	63	5	5	15.30	118.0	85.02	4	MW-07	0-2
Magnesium	MG/KG	-	5	4	1,480	4,970	3,515	0	SS-01	0-0.5
Manganese	MG/KG	1600	5	5	74.40	223.0	154.9	0	SS-01	0-0.5
Mercury	MG/KG	0.18	5	4	0.027	0.200	0.080	1	SS-02	0-0.5
Nickel	MG/KG	30	5	5	5.50	10.70	9.24	0	SS-02	0-0.5
Potassium	MG/KG	-	5	2	407.0	600.0	503.5	0	SS-02	0-0.5
Silver	MG/KG	2	5	1	0.130	0.130	0.130	0	SS-02	0-0.5
Sodium	MG/KG	-	5	3	215.0	507.0	337.3	0	SS-01	0-0.5
Vanadium	MG/KG	39	5	5	13.30	22.10	17.00	0	SS-02	0-0.5
Zinc	MG/KG	109	5	5	29.50	167.0	88.86	2	SS-02	0-0.5

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Concentration Exceeds Criteria

Only Detected Results Reported.

TABLE 4-3
STATISTICAL SUMMARY OF DETECTED ANALYTES IN SITE BACKGROUND SUBSURFACE SOILS
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Volatile Organic Compounds										
Acetone	MG/KG	0.05	17	3	0.034	0.089	0.064	2	MW-07	6-8
Methyl ethyl ketone (2-Butanone)	MG/KG	0.12	17	2	0.012	0.015	0.014	0	MW-07	6-8
Semivolatile Organic Compounds										
2-Methylnaphthalene	MG/KG	0.41	18	1	0.097	0.097	0.097	0	MW-07	2-4
Benzo(a)anthracene	MG/KG	1	18	1	0.074	0.074	0.074	0	MW-07	2-4
Benzo(a)pyrene	MG/KG	1	18	1	0.100	0.100	0.100	0	MW-07	2-4
Benzo(b)fluoranthene	MG/KG	1	18	2	0.086	0.180	0.133	0	MW-07	2-4
Benzo(g,h,i)perylene	MG/KG	100	18	1	0.110	0.110	0.110	0	MW-07	2-4
bis(2-Ethylhexyl)phthalate	MG/KG	50	18	3	0.110	0.180	0.143	0	MW-01	14-16
Chrysene	MG/KG	1	18	1	0.190	0.190	0.190	0	MW-07	2-4
Fluoranthene	MG/KG	100	18	1	0.250	0.250	0.250	0	MW-07	2-4
Phenanthrene	MG/KG	100	18	1	0.160	0.160	0.160	0	MW-07	2-4
Pyrene	MG/KG	100	18	1	0.270	0.270	0.270	0	MW-07	2-4
Pesticide Organic Compounds										
4,4'-DDD	MG/KG	0.0033	18	1	0.002	0.002	0.002	0	MW-04	2-4
4,4'-DDE	MG/KG	0.0033	18	1	0.003	0.003	0.003	0	MW-07	2-4
4,4'-DDT	MG/KG	0.0033	18	1	0.007	0.007	0.007	1	MW-07	2-4

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Concentration Exceeds Criteria

Only Detected Results Reported.

TABLE 4-3
STATISTICAL SUMMARY OF DETECTED ANALYTES IN SITE BACKGROUND SUBSURFACE SOILS
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Pesticide Organic Compounds										
Dieldrin	MG/KG	0.005	18	1	0.002	0.002	0.002	0	MW-04	2-4
Endosulfan I	MG/KG	2.4	18	1	0.003	0.003	0.003	0	MW-07	2-4
Endosulfan II	MG/KG	2.4	18	1	0.005	0.005	0.005	0	MW-07	2-4
Herbicides										
2,4,5-TP (Silvex)	MG/KG	3.8	18	2	0.003	0.005	0.004	0	MW-07	14-16
2,4-D	MG/KG	0.5	18	1	0.018	0.018	0.018	0	MW-06	2-4
2,4-DB	MG/KG	-	18	5	0.019	0.150	0.049	0	MW-04	2-4
Dicamba	MG/KG	-	18	1	0.008	0.008	0.008	0	MW-07	12-14
Dinoseb	MG/KG	-	18	1	0.018	0.018	0.018	0	MW-07	12-14
Metals										
Aluminum	MG/KG	10000	17	17	3,280	2.04E+04	9,902	8	MW-07	14-16
Antimony	MG/KG	12	17	3	0.270	0.550	0.450	0	MW-04	2-4
Arsenic	MG/KG	13	17	17	0.860	13.30	3.40	1	MW-07	2-4
Barium	MG/KG	350	17	17	11.10	125.0	52.94	0	MW-07	14-16
Beryllium	MG/KG	7.2	17	10	0.160	1.10	0.352	0	MW-07	14-16
Calcium	MG/KG	10000	17	17	794.0	3.42E+04	9,057	4	MW-05	6-8
Chromium	MG/KG	30	17	17	6.90	486.0	45.38	2	MW-07	2-4

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Concentration Exceeds Criteria

Only Detected Results Reported.

Advanced Selection: Background Subsurfac
J:\Projects\1117689\2\DB\Stat.mde
Printed: 12/15/2014 1:13:19 PM
WHERE ([LOCID] = 'MW-01' OR [LOCID] = 'MW-04' OR [LOCID] = 'MW-05' OR [LOCID] = 'MW-06' OR [LOCID] = 'MW-07' OR [LOCID] = 'SS-01' OR [LOCID] = 'SS-02' OR [LOCID] = 'SS-06') AND [MATRIX] = 'SO' AND NOT ([SED] = '0' OR [SED] = '0.5' OR [SED] = '1.5' OR [SED] = '2');

TABLE 4-3
STATISTICAL SUMMARY OF DETECTED ANALYTES IN SITE BACKGROUND SUBSURFACE SOILS
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Metals										
Cobalt	MG/KG	20	17	16	3.00	17.60	8.44	0	MW-07	14-16
Copper	MG/KG	50	17	17	1.70	27.90	11.57	0	MW-07	14-16
Iron	MG/KG	2000	17	17	8,870	3.50E+04	2.06E+04	17	MW-07	14-16
Lead	MG/KG	63	17	17	0.360	66.80	12.84	2	MW-07	4-6
Magnesium	MG/KG	-	17	17	1,590	1.53E+04	4,738	0	MW-07	2-4
Manganese	MG/KG	1600	17	17	72.60	437.0	264.1	0	MW-01	10-12
Mercury	MG/KG	0.18	17	2	0.072	0.270	0.171	1	MW-04	2-4
Nickel	MG/KG	30	17	17	4.30	22.40	9.99	0	MW-07	14-16
Potassium	MG/KG	-	17	12	615.0	3,370	1,295	0	MW-07	14-16
Selenium	MG/KG	3.9	17	8	1.40	6.40	3.03	1	MW-07	14-16
Silver	MG/KG	2	17	8	1.10	3.60	2.01	4	MW-07	14-16
Sodium	MG/KG	-	17	17	146.0	899.0	529.4	0	MW-01	14-16
Vanadium	MG/KG	39	17	17	12.40	80.00	31.54	3	MW-07	14-16
Zinc	MG/KG	109	17	17	23.30	108.0	51.63	0	MW-07	2-4

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Concentration Exceeds Criteria

Only Detected Results Reported.

Advanced Selection: Background Subsurfac
J:\Projects\1117689\2\DB\Stat.mde
Printed: 12/15/2014 1:13:19 PM
WHERE ([LOCID] = 'MW-01' OR [LOCID] = 'MW-04' OR [LOCID] = 'MW-05' OR [LOCID] = 'MW-06' OR [LOCID] = 'MW-07' OR [LOCID] = 'SS-01' OR [LOCID] = 'SS-02' OR [LOCID] = 'SS-06') AND [MATRIX] = 'SO' AND NOT ([SED] = '0' OR [SED] = '0.5' OR [SED] = '1.5' OR [SED] = '2');

TABLE 4-4
SUMMARY OF DETECTED ANALYTES IN SITE SHALLOW SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					MW-02	MW-02	MW-03	MW-03	MW-09
Sample ID					MW-2 (0-0.5)	MW-2 (0-2)	MW-3 (0-0.5)	MW-3 (0-2)	MW-9 (0-2')
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					0.0-0.5	0.0-2.0	0.0-0.5	0.0-2.0	0.0-2.0
Date Sampled					05/14/13	05/14/13	05/14/13	05/14/13	04/29/14
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Volatile Organic Compounds									
Acetone	MG/KG	0.05	0.05	100					
Methylene chloride	MG/KG	0.05	0.05	51					
Toluene	MG/KG	0.7	0.7	100					
Semivolatile Organic Compounds									
2-Methylnaphthalene	MG/KG	0.41	36.4	0.41					
Acenaphthylene	MG/KG	100	107	100					
Anthracene	MG/KG	100	1000	100					
Benzaldehyde	MG/KG	-	-	-					
Benzo(a)anthracene	MG/KG	1	1	1					0.16 J
Benzo(a)pyrene	MG/KG	1	22	1					0.16 J
Benzo(b)fluoranthene	MG/KG	1	1.7	1	0.11 J				0.25 J
Benzo(g,h,i)perylene	MG/KG	100	1000	100					0.083 J
Benzo(k)fluoranthene	MG/KG	0.8	1.7	1					
bis(2-Ethylhexyl)phthalate	MG/KG	50	435	50					
Carbazole	MG/KG	-	-	-	0.13 J				
Chrysene	MG/KG	1	1	1	0.076 J				0.20 J
Dibenz(a,h)anthracene	MG/KG	0.33	1000	0.33					
Fluoranthene	MG/KG	100	1000	100	0.088 J				0.27 J
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	8.2	0.5					0.079 J

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 4-4
SUMMARY OF DETECTED ANALYTES IN SITE SHALLOW SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					MW-02	MW-02	MW-03	MW-03	MW-09
Sample ID					MW-2 (0-0.5)	MW-2 (0-2)	MW-3 (0-0.5)	MW-3 (0-2)	MW-9 (0-2')
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					0.0-0.5	0.0-2.0	0.0-0.5	0.0-2.0	0.0-2.0
Date Sampled					05/14/13	05/14/13	05/14/13	05/14/13	04/29/14
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Semivolatile Organic Compounds									
Naphthalene	MG/KG	12	12	100					
Phenanthrene	MG/KG	100	1000	100					0.12 J
Pyrene	MG/KG	100	1000	100	0.086 J				0.25 J
Pesticide Organic Compounds									
4,4'-DDE	MG/KG	0.0033	17	1.8	0.00099 NJ			0.00095 J	
4,4'-DDT	MG/KG	0.0033	136	1.7	0.0011 J	0.00089 J		0.0011 J	
beta-BHC	MG/KG	0.036	0.09	0.072					
Endosulfan II	MG/KG	2.4	102	4.8					
Methoxychlor	MG/KG	1.2	900	100					
Herbicides									
2,4,5-T	MG/KG	1.9	1.9	100					
2,4,5-TP (Silvex)	MG/KG	3.8	3.8	58					
2,4-D	MG/KG	0.5	0.5	100					
2,4-DB	MG/KG	-	-	-				0.034	
Dicamba	MG/KG	-	-	-					
Dinoseb	MG/KG	-	-	-					
Metals									
Aluminum	MG/KG	10000	-	-	4,610	4,990	6,510	5,180	6,680
Antimony	MG/KG	12	-	-					0.24 J

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 4-4
SUMMARY OF DETECTED ANALYTES IN SITE SHALLOW SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					MW-02	MW-02	MW-03	MW-03	MW-09
Sample ID					MW-2 (0-0.5)	MW-2 (0-2)	MW-3 (0-0.5)	MW-3 (0-2)	MW-9 (0-2')
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					0.0-0.5	0.0-2.0	0.0-0.5	0.0-2.0	0.0-2.0
Date Sampled					05/14/13	05/14/13	05/14/13	05/14/13	04/29/14
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Metals									
Arsenic	MG/KG	13	16	16	1.1	0.95 J	2.4	1.2	3.2
Barium	MG/KG	350	820	350	19.0 J	16.5 J	22.6 J	13.0 J	23.5
Beryllium	MG/KG	7.2	47	14	0.18 J	0.18 J	0.32 J	0.21 J	0.14 J
Calcium	MG/KG	10000	-	-	1,770	1,260	1,550	838	2,850
Chromium	MG/KG	30	NS	36	6.6	7.4	9.2	5.5	6.7
Cobalt	MG/KG	20	-	30	3.4 J	3.2 J	4.0 J	2.9 J	
Copper	MG/KG	50	1720	270	3.0 J	2.8 J	5.5	3.8	8.7
Iron	MG/KG	2000	-	2000	8,490	8,520	10,200	7,080	9,740
Lead	MG/KG	63	450	400	14.9	11.6	17.9	8.4	28.4
Magnesium	MG/KG	-	-	-	1,350	1,200	1,750	1,300	1,730
Manganese	MG/KG	1600	2000	2000	111	88.5	163 J	100 J	132
Mercury	MG/KG	0.18	0.73	0.81		0.028 J		0.022 J	0.046
Nickel	MG/KG	30	130	140	3.2 J	3.5 J	6.4	4.3	5.2
Potassium	MG/KG	-	-	-					
Selenium	MG/KG	3.9	4	36					1.7
Vanadium	MG/KG	39	-	100	13.0	14.2	13.4	9.5	12.5
Zinc	MG/KG	109	2480	2200	31.1	25.0	34.7	25.5	35.1

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 4-4
SUMMARY OF DETECTED ANALYTES IN SITE SHALLOW SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-01	SB-01	SB-02	SB-02	SB-03
Sample ID					SB-1 (0-2)	SB-1 (0-0.5)	SB-2 (0-2)	SB-2 (0-0.5)	SB-3 (0-2)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					0.0-2.0	0.0-0.5	0.0-2.0	0.0-0.5	0.0-2.0
Date Sampled					05/15/13	05/22/13	05/15/13	05/22/13	05/16/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Volatile Organic Compounds									
Acetone	MG/KG	0.05	0.05	100					
Methylene chloride	MG/KG	0.05	0.05	51			0.0020 J		
Toluene	MG/KG	0.7	0.7	100					
Semivolatile Organic Compounds									
2-Methylnaphthalene	MG/KG	0.41	36.4	0.41					
Acenaphthylene	MG/KG	100	107	100					
Anthracene	MG/KG	100	1000	100					
Benzaldehyde	MG/KG	-	-	-					
Benzo(a)anthracene	MG/KG	1	1	1		0.084 J		0.11 J	
Benzo(a)pyrene	MG/KG	1	22	1		0.12 J		0.17 J	
Benzo(b)fluoranthene	MG/KG	1	1.7	1		0.24 J		0.33 J	
Benzo(g,h,i)perylene	MG/KG	100	1000	100		0.075 J		0.11 J	
Benzo(k)fluoranthene	MG/KG	0.8	1.7	1		0.078 J		0.10 J	
bis(2-Ethylhexyl)phthalate	MG/KG	50	435	50					
Carbazole	MG/KG	-	-	-					
Chrysene	MG/KG	1	1	1		0.094 J		0.17 J	
Dibenz(a,h)anthracene	MG/KG	0.33	1000	0.33					
Fluoranthene	MG/KG	100	1000	100		0.094 J		0.17 J	
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	8.2	0.5				0.098 J	

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 4-4
SUMMARY OF DETECTED ANALYTES IN SITE SHALLOW SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-01	SB-01	SB-02	SB-02	SB-03
Sample ID					SB-1 (0-2)	SB-1 (0-0.5)	SB-2 (0-2)	SB-2 (0-0.5)	SB-3 (0-2)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					0.0-2.0	0.0-0.5	0.0-2.0	0.0-0.5	0.0-2.0
Date Sampled					05/15/13	05/22/13	05/15/13	05/22/13	05/16/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Semivolatile Organic Compounds									
Naphthalene	MG/KG	12	12	100					
Phenanthrene	MG/KG	100	1000	100					
Pyrene	MG/KG	100	1000	100		0.13 J		0.17 J	
Pesticide Organic Compounds									
4,4'-DDE	MG/KG	0.0033	17	1.8				0.0012 J	
4,4'-DDT	MG/KG	0.0033	136	1.7	0.0010 J	0.0020		0.0032 NJ	
beta-BHC	MG/KG	0.036	0.09	0.072		0.0027 J			
Endosulfan II	MG/KG	2.4	102	4.8					
Methoxychlor	MG/KG	1.2	900	100					
Herbicides									
2,4,5-T	MG/KG	1.9	1.9	100					
2,4,5-TP (Silvex)	MG/KG	3.8	3.8	58					
2,4-D	MG/KG	0.5	0.5	100					
2,4-DB	MG/KG	-	-	-			0.021		
Dicamba	MG/KG	-	-	-					
Dinoseb	MG/KG	-	-	-					
Metals									
Aluminum	MG/KG	10000	-	-	5,200	5,860	5,080	5,890	4,310
Antimony	MG/KG	12	-	-				0.23 J	

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 4-4
SUMMARY OF DETECTED ANALYTES IN SITE SHALLOW SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-01	SB-01	SB-02	SB-02	SB-03
Sample ID					SB-1 (0-2)	SB-1 (0-0.5)	SB-2 (0-2)	SB-2 (0-0.5)	SB-3 (0-2)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					0.0-2.0	0.0-0.5	0.0-2.0	0.0-0.5	0.0-2.0
Date Sampled					05/15/13	05/22/13	05/15/13	05/22/13	05/16/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Metals									
Arsenic	MG/KG	13	16	16	0.99 J	1.6	1.1	1.8	1.1
Barium	MG/KG	350	820	350	17.3 J	18.0 J	10.6 J	18.9 J	15.4 J
Beryllium	MG/KG	7.2	47	14	0.17 J	0.19 J	0.18 J	0.21 J	0.20 J
Calcium	MG/KG	10000	-	-	862	1,420	930	1,790	1,220
Chromium	MG/KG	30	NS	36	4.4	6.9	6.4	7.9	5.7
Cobalt	MG/KG	20	-	30	2.2 J	3.3 J	2.9 J	3.4 J	2.8 J
Copper	MG/KG	50	1720	270	3.8	4.3	1.8 J	5.0	2.2 J
Iron	MG/KG	2000	-	2000	5,730	9,210	7,950	9,450	7,910
Lead	MG/KG	63	450	400	14.8	14.0	9.3	25.1	5.5
Magnesium	MG/KG	-	-	-	1,020	1,450	1,350	1,710	1,220
Manganese	MG/KG	1600	2000	2000	83.1 J	103	85.9	122	92.2
Mercury	MG/KG	0.18	0.73	0.81	0.029 J	0.027 J	0.018 J	0.036 J	
Nickel	MG/KG	30	130	140		4.0 J	3.0 J	5.1	2.8 J
Potassium	MG/KG	-	-	-	31.2 J	292 J		352 J	
Selenium	MG/KG	3.9	4	36					
Vanadium	MG/KG	39	-	100	8.3	13.4	12.4	13.3	13.1
Zinc	MG/KG	109	2480	2200	24.8	30.2	20.4	48.1	19.3

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 4-4
SUMMARY OF DETECTED ANALYTES IN SITE SHALLOW SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-03	SB-04	SB-04	SB-05	SB-05
Sample ID					SB-3 (0-0.5)	SB-4 (0-2)	SB-4 (0-0.5)	SB-5 (0-2)	SB-5 (0-0.5)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					0.0-0.5	0.0-2.0	0.0-0.5	0.0-2.0	0.0-0.5
Date Sampled					05/22/13	05/16/13	05/22/13	05/16/13	05/22/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Volatile Organic Compounds									
Acetone	MG/KG	0.05	0.05	100		NA			
Methylene chloride	MG/KG	0.05	0.05	51		NA			
Toluene	MG/KG	0.7	0.7	100		NA			
Semivolatile Organic Compounds									
2-Methylnaphthalene	MG/KG	0.41	36.4	0.41					
Acenaphthylene	MG/KG	100	107	100					
Anthracene	MG/KG	100	1000	100					
Benzaldehyde	MG/KG	-	-	-		0.12 J			
Benzo(a)anthracene	MG/KG	1	1	1					
Benzo(a)pyrene	MG/KG	1	22	1					
Benzo(b)fluoranthene	MG/KG	1	1.7	1					
Benzo(g,h,i)perylene	MG/KG	100	1000	100					
Benzo(k)fluoranthene	MG/KG	0.8	1.7	1					
bis(2-Ethylhexyl)phthalate	MG/KG	50	435	50					
Carbazole	MG/KG	-	-	-					
Chrysene	MG/KG	1	1	1					
Dibenz(a,h)anthracene	MG/KG	0.33	1000	0.33					
Fluoranthene	MG/KG	100	1000	100					
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	8.2	0.5					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 4-4
SUMMARY OF DETECTED ANALYTES IN SITE SHALLOW SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-03	SB-04	SB-04	SB-05	SB-05
Sample ID					SB-3 (0-0.5)	SB-4 (0-2)	SB-4 (0-0.5)	SB-5 (0-2)	SB-5 (0-0.5)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					0.0-0.5	0.0-2.0	0.0-0.5	0.0-2.0	0.0-0.5
Date Sampled					05/22/13	05/16/13	05/22/13	05/16/13	05/22/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Semivolatile Organic Compounds									
Naphthalene	MG/KG	12	12	100					
Phenanthrene	MG/KG	100	1000	100					
Pyrene	MG/KG	100	1000	100					
Pesticide Organic Compounds									
4,4'-DDE	MG/KG	0.0033	17	1.8		0.0023			
4,4'-DDT	MG/KG	0.0033	136	1.7		0.0020 J	0.0017 J		
beta-BHC	MG/KG	0.036	0.09	0.072					
Endosulfan II	MG/KG	2.4	102	4.8					
Methoxychlor	MG/KG	1.2	900	100					
Herbicides									
2,4,5-T	MG/KG	1.9	1.9	100					
2,4,5-TP (Silvex)	MG/KG	3.8	3.8	58					
2,4-D	MG/KG	0.5	0.5	100					
2,4-DB	MG/KG	-	-	-	0.019	0.013	0.0081 NJ		
Dicamba	MG/KG	-	-	-					
Dinoseb	MG/KG	-	-	-					
Metals									
Aluminum	MG/KG	10000	-	-	8,970	NA	8,540	4,970	8,470
Antimony	MG/KG	12	-	-	0.51 J	NA	0.29 J		0.23 J

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 4-4
SUMMARY OF DETECTED ANALYTES IN SITE SHALLOW SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-03	SB-04	SB-04	SB-05	SB-05
Sample ID					SB-3 (0-0.5)	SB-4 (0-2)	SB-4 (0-0.5)	SB-5 (0-2)	SB-5 (0-0.5)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					0.0-0.5	0.0-2.0	0.0-0.5	0.0-2.0	0.0-0.5
Date Sampled					05/22/13	05/16/13	05/22/13	05/16/13	05/22/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Metals									
Arsenic	MG/KG	13	16	16	2.8	NA	3.8	1.4	2.9
Barium	MG/KG	350	820	350	28.0 J	NA	31.7	15.3 J	28.5
Beryllium	MG/KG	7.2	47	14	0.41 J	NA	0.34 J	0.16 J	0.35 J
Calcium	MG/KG	10000	-	-	1,500	NA	4,830	1,220	2,140
Chromium	MG/KG	30	NS	36	14.0	NA	13.4	4.8	13.2
Cobalt	MG/KG	20	-	30	4.9 J	NA	4.9 J	3.0 J	5.0 J
Copper	MG/KG	50	1720	270	8.3	NA	7.5	3.8 J	8.0
Iron	MG/KG	2000	-	2000	14,400	NA	13,500	7,040	13,700
Lead	MG/KG	63	450	400	25.6	NA	44.3	17.7 J	21.0
Magnesium	MG/KG	-	-	-	2,360	NA	2,930	1,150	2,100
Manganese	MG/KG	1600	2000	2000	167	NA	188	127	225
Mercury	MG/KG	0.18	0.73	0.81		NA		0.033 J	
Nickel	MG/KG	30	130	140	10.1	NA	8.2		9.3
Potassium	MG/KG	-	-	-	553 J	NA	675		751
Selenium	MG/KG	3.9	4	36		NA			
Vanadium	MG/KG	39	-	100	17.7	NA	19.3	8.9	17.6
Zinc	MG/KG	109	2480	2200	40.8	NA	47.8	29.1	42.8

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 4-4
SUMMARY OF DETECTED ANALYTES IN SITE SHALLOW SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-06	SB-06	SB-07	SB-07	SS-03
Sample ID					SB-6 (0-2)	SB-6 (0-0.5)	SB-7 (0-0.5)	SB-7 (0-2)	SS-3
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					0.0-2.0	0.0-0.5	0.0-0.5	0.0-2.0	0.0-0.5
Date Sampled					05/17/13	05/22/13	05/22/13	05/22/13	05/22/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Volatile Organic Compounds									
Acetone	MG/KG	0.05	0.05	100			0.0060 J		
Methylene chloride	MG/KG	0.05	0.05	51					
Toluene	MG/KG	0.7	0.7	100			0.0020 J		
Semivolatile Organic Compounds									
2-Methylnaphthalene	MG/KG	0.41	36.4	0.41					
Acenaphthylene	MG/KG	100	107	100					
Anthracene	MG/KG	100	1000	100					
Benzaldehyde	MG/KG	-	-	-					
Benzo(a)anthracene	MG/KG	1	1	1					
Benzo(a)pyrene	MG/KG	1	22	1					
Benzo(b)fluoranthene	MG/KG	1	1.7	1			0.15 J		
Benzo(g,h,i)perylene	MG/KG	100	1000	100					
Benzo(k)fluoranthene	MG/KG	0.8	1.7	1					
bis(2-Ethylhexyl)phthalate	MG/KG	50	435	50					
Carbazole	MG/KG	-	-	-					
Chrysene	MG/KG	1	1	1					
Dibenz(a,h)anthracene	MG/KG	0.33	1000	0.33					
Fluoranthene	MG/KG	100	1000	100			0.091 J		
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	8.2	0.5					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 4-4
SUMMARY OF DETECTED ANALYTES IN SITE SHALLOW SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-06	SB-06	SB-07	SB-07	SS-03
Sample ID					SB-6 (0-2)	SB-6 (0-0.5)	SB-7 (0-0.5)	SB-7 (0-2)	SS-3
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					0.0-2.0	0.0-0.5	0.0-0.5	0.0-2.0	0.0-0.5
Date Sampled					05/17/13	05/22/13	05/22/13	05/22/13	05/22/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Semivolatile Organic Compounds									
Naphthalene	MG/KG	12	12	100					
Phenanthrene	MG/KG	100	1000	100					
Pyrene	MG/KG	100	1000	100					
Pesticide Organic Compounds									
4,4'-DDE	MG/KG	0.0033	17	1.8				0.0031	0.010 J
4,4'-DDT	MG/KG	0.0033	136	1.7				0.0026	0.0088 NJ
beta-BHC	MG/KG	0.036	0.09	0.072					
Endosulfan II	MG/KG	2.4	102	4.8					0.0022 NJ
Methoxychlor	MG/KG	1.2	900	100					0.012 J
Herbicides									
2,4,5-T	MG/KG	1.9	1.9	100		0.0052 J			0.0077 J
2,4,5-TP (Silvex)	MG/KG	3.8	3.8	58		0.0035 J			
2,4-D	MG/KG	0.5	0.5	100		0.0083 J			
2,4-DB	MG/KG	-	-	-	0.13	0.024 J			0.013 NJ
Dicamba	MG/KG	-	-	-		0.0033 J			
Dinoseb	MG/KG	-	-	-					0.0025 J
Metals									
Aluminum	MG/KG	10000	-	-	7,460	7,160	8,270	10,300	4,340
Antimony	MG/KG	12	-	-		0.46 J	0.24 J	0.23 J	3.0 J

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 4-4
SUMMARY OF DETECTED ANALYTES IN SITE SHALLOW SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-06	SB-06	SB-07	SB-07	SS-03
Sample ID					SB-6 (0-2)	SB-6 (0-0.5)	SB-7 (0-0.5)	SB-7 (0-2)	SS-3
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					0.0-2.0	0.0-0.5	0.0-0.5	0.0-2.0	0.0-0.5
Date Sampled					05/17/13	05/22/13	05/22/13	05/22/13	05/22/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Metals									
Arsenic	MG/KG	13	16	16	1.8	2.2	3.3	5.6	13.7
Barium	MG/KG	350	820	350	28.2	24.0 J	27.1	40.7	42.2
Beryllium	MG/KG	7.2	47	14		0.28 J	0.28 J		0.22 J
Calcium	MG/KG	10000	-	-	1,950	1,340	2,330	5,250	1,870
Chromium	MG/KG	30	NS	36	8.4	10.4	11.9	18.4	16.3
Cobalt	MG/KG	20	-	30	4.8 J	4.3 J	4.2 J	7.1	6.7
Copper	MG/KG	50	1720	270	4.4	6.2	6.5	15.7	54.8
Iron	MG/KG	2000	-	2000	12,200	11,800	12,100	19,600	26,100
Lead	MG/KG	63	450	400	6.2 J+	16.3	49.3	43.3 J+	89.1
Magnesium	MG/KG	-	-	-	1,660	1,790	1,710	4,700	1,370
Manganese	MG/KG	1600	2000	2000	157	135	148	314	207
Mercury	MG/KG	0.18	0.73	0.81		0.030 J			0.043
Nickel	MG/KG	30	130	140	5.6	7.4	6.5	14.8	11.1
Potassium	MG/KG	-	-	-		514 J	555 J	815	432 J
Selenium	MG/KG	3.9	4	36					
Vanadium	MG/KG	39	-	100	17.2	15.7	17.4	22.1	17.5
Zinc	MG/KG	109	2480	2200	35.5	34.4	48.5	58.7	54.9

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 4-4
SUMMARY OF DETECTED ANALYTES IN SITE SHALLOW SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SS-04	SS-04	SS-04	SS-05
Sample ID					SS-4	SS-4	SS-4 DUP	SS-5
Matrix					Soil	Soil	Soil	Soil
Depth Interval (ft)					0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5
Date Sampled					05/22/13	05/23/13	05/23/13	05/22/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**			Field Duplicate (1-1)	
Volatile Organic Compounds								
Acetone	MG/KG	0.05	0.05	100				
Methylene chloride	MG/KG	0.05	0.05	51				
Toluene	MG/KG	0.7	0.7	100				
Semivolatile Organic Compounds								
2-Methylnaphthalene	MG/KG	0.41	36.4	0.41	0.13 J			
Acenaphthylene	MG/KG	100	107	100	0.16 J			
Anthracene	MG/KG	100	1000	100	0.077 J			
Benzaldehyde	MG/KG	-	-	-				
Benzo(a)anthracene	MG/KG	1	1	1	0.54			0.088 J
Benzo(a)pyrene	MG/KG	1	22	1	0.64			0.12 J
Benzo(b)fluoranthene	MG/KG	1	1.7	1	1.7			0.20 J
Benzo(g,h,i)perylene	MG/KG	100	1000	100	0.36 J			
Benzo(k)fluoranthene	MG/KG	0.8	1.7	1	0.49			
bis(2-Ethylhexyl)phthalate	MG/KG	50	435	50			0.084 J	
Carbazole	MG/KG	-	-	-	0.17 J			
Chrysene	MG/KG	1	1	1	0.83			0.11 J
Dibenz(a,h)anthracene	MG/KG	0.33	1000	0.33	0.14 J			
Fluoranthene	MG/KG	100	1000	100	0.64			0.10 J
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	8.2	0.5	0.36 J			

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 4-4
SUMMARY OF DETECTED ANALYTES IN SITE SHALLOW SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SS-04	SS-04	SS-04	SS-05
Sample ID					SS-4	SS-4	SS-4 DUP	SS-5
Matrix					Soil	Soil	Soil	Soil
Depth Interval (ft)					0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5
Date Sampled					05/22/13	05/23/13	05/23/13	05/22/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**			Field Duplicate (1-1)	
Semivolatile Organic Compounds								
Naphthalene	MG/KG	12	12	100	0.11 J			
Phenanthrene	MG/KG	100	1000	100	0.23 J			
Pyrene	MG/KG	100	1000	100	0.65			0.11 J
Pesticide Organic Compounds								
4,4'-DDE	MG/KG	0.0033	17	1.8				
4,4'-DDT	MG/KG	0.0033	136	1.7				
beta-BHC	MG/KG	0.036	0.09	0.072		0.0011 NJ		
Endosulfan II	MG/KG	2.4	102	4.8				
Methoxychlor	MG/KG	1.2	900	100				
Herbicides								
2,4,5-T	MG/KG	1.9	1.9	100				
2,4,5-TP (Silvex)	MG/KG	3.8	3.8	58				
2,4-D	MG/KG	0.5	0.5	100				
2,4-DB	MG/KG	-	-	-				
Dicamba	MG/KG	-	-	-				0.0035 J
Dinoseb	MG/KG	-	-	-	0.0026 NJ			
Metals								
Aluminum	MG/KG	10000	-	-	8,270	9,340	8,480	5,120
Antimony	MG/KG	12	-	-		0.54 J	0.55 J	0.38 J

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 4-4
SUMMARY OF DETECTED ANALYTES IN SITE SHALLOW SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SS-04	SS-04	SS-04	SS-05
Sample ID					SS-4	SS-4	SS-4 DUP	SS-5
Matrix					Soil	Soil	Soil	Soil
Depth Interval (ft)					0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5
Date Sampled					05/22/13	05/23/13	05/23/13	05/22/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**			Field Duplicate (1-1)	
Metals								
Arsenic	MG/KG	13	16	16	2.3	2.9	2.8	2.0
Barium	MG/KG	350	820	350	28.0	34.2	30.7	21.9 J
Beryllium	MG/KG	7.2	47	14	0.28 J	0.39 J	0.35 J	0.18 J
Calcium	MG/KG	10000	-	-	1,760	1,660	1,820	8,340
Chromium	MG/KG	30	NS	36	11.7	12.5	11.9	9.0
Cobalt	MG/KG	20	-	30	4.8 J	5.6 J	5.0 J	4.0 J
Copper	MG/KG	50	1720	270	5.8	6.7 J	6.0 J	7.2
Iron	MG/KG	2000	-	2000	12,600	15,900	14,500	10,200
Lead	MG/KG	63	450	400	18.5	18.8 J	14.7 J	20.0
Magnesium	MG/KG	-	-	-	1,990	1,930 J	1,860 J	5,200
Manganese	MG/KG	1600	2000	2000	166	280 J	185 J	130
Mercury	MG/KG	0.18	0.73	0.81	0.030 J	0.051	0.044	0.075
Nickel	MG/KG	30	130	140	7.7	7.9	7.7	7.1
Potassium	MG/KG	-	-	-	595	464 J	431 J	
Selenium	MG/KG	3.9	4	36				
Vanadium	MG/KG	39	-	100	19.5	20.2	17.4	13.0
Zinc	MG/KG	109	2480	2200	39.1	41.0	37.0	54.0

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 4-5
SUMMARY OF DETECTED ANALYTES IN SITE SHALLOW SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					MW-02	MW-02	MW-03	MW-03	MW-09
Sample ID					MW-2 (0-0.5)	MW-2 (0-2)	MW-3 (0-0.5)	MW-3 (0-2)	MW-9 (0-2')
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					0.0-0.5	0.0-2.0	0.0-0.5	0.0-2.0	0.0-2.0
Date Sampled					05/14/13	05/14/13	05/14/13	05/14/13	04/29/14
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Volatile Organic Compounds									
Acetone	MG/KG	100	500	-					
Methylene chloride	MG/KG	100	500	-					
Toluene	MG/KG	100	500	-					
Semivolatile Organic Compounds									
2-Methylnaphthalene	MG/KG	-	-	-					
Acenaphthylene	MG/KG	100	500	-					
Anthracene	MG/KG	100	500	-					
Benzaldehyde	MG/KG	-	-	-					
Benzo(a)anthracene	MG/KG	1	5.6	2.4					0.16 J
Benzo(a)pyrene	MG/KG	1	1	3.5					0.16 J
Benzo(b)fluoranthene	MG/KG	1	5.6	8	0.11 J				0.25 J
Benzo(g,h,i)perylene	MG/KG	100	500	-					0.083 J
Benzo(k)fluoranthene	MG/KG	3.9	56	1.7					
bis(2-Ethylhexyl)phthalate	MG/KG	-	-	-					
Carbazole	MG/KG	-	-	-	0.13 J				
Chrysene	MG/KG	3.9	56	4.2	0.076 J				0.20 J
Dibenz(a,h)anthracene	MG/KG	0.33	0.56	0.56					
Fluoranthene	MG/KG	100	500	-	0.088 J				0.27 J
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	5.6	1.7					0.079 J

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background shallow soil concentrations from sample locations SS-01, SS-02, SS-06, MW-01 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 4-5
SUMMARY OF DETECTED ANALYTES IN SITE SHALLOW SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					MW-02	MW-02	MW-03	MW-03	MW-09
Sample ID					MW-2 (0-0.5)	MW-2 (0-2)	MW-3 (0-0.5)	MW-3 (0-2)	MW-9 (0-2')
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					0.0-0.5	0.0-2.0	0.0-0.5	0.0-2.0	0.0-2.0
Date Sampled					05/14/13	05/14/13	05/14/13	05/14/13	04/29/14
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Semivolatile Organic Compounds									
Naphthalene	MG/KG	100	500	-					
Phenanthrene	MG/KG	100	500	-					0.12 J
Pyrene	MG/KG	100	500	-	0.086 J				0.25 J
Pesticide Organic Compounds									
4,4'-DDE	MG/KG	8.9	62	-	0.00099 NJ			0.00095 J	
4,4'-DDT	MG/KG	7.9	47	0.017	0.0011 J	0.00089 J		0.0011 J	
beta-BHC	MG/KG	0.36	3	-					
Endosulfan II	MG/KG	24	200	-					
Methoxychlor	MG/KG	-	-	-					
Herbicides									
2,4,5-T	MG/KG	-	-	-					
2,4,5-TP (Silvex)	MG/KG	100	500	-					
2,4-D	MG/KG	-	-	-					
2,4-DB	MG/KG	-	-	-				0.034	
Dicamba	MG/KG	-	-	-					
Dinoseb	MG/KG	-	-	-					
Metals									
Aluminum	MG/KG	-	-	-	4,610	4,990	6,510	5,180	6,680
Antimony	MG/KG	-	-	-					0.24 J

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background shallow soil concentrations from sample locations SS-01, SS-02, SS-06, MW-01 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 4-5
SUMMARY OF DETECTED ANALYTES IN SITE SHALLOW SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					MW-02	MW-02	MW-03	MW-03	MW-09
Sample ID					MW-2 (0-0.5)	MW-2 (0-2)	MW-3 (0-0.5)	MW-3 (0-2)	MW-9 (0-2')
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					0.0-0.5	0.0-2.0	0.0-0.5	0.0-2.0	0.0-2.0
Date Sampled					05/14/13	05/14/13	05/14/13	05/14/13	04/29/14
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Metals									
Arsenic	MG/KG	16	16	-	1.1	0.95 J	2.4	1.2	3.2
Barium	MG/KG	400	400	-	19.0 J	16.5 J	22.6 J	13.0 J	23.5
Beryllium	MG/KG	72	590	-	0.18 J	0.18 J	0.32 J	0.21 J	0.14 J
Calcium	MG/KG	-	-	17900	1,770	1,260	1,550	838	2,850
Chromium	MG/KG	180	1500	281	6.6	7.4	9.2	5.5	6.7
Cobalt	MG/KG	-	-	-	3.4 J	3.2 J	4.0 J	2.9 J	
Copper	MG/KG	270	270	64.2	3.0 J	2.8 J	5.5	3.8	8.7
Iron	MG/KG	-	-	17500	8,490	8,520	10,200	7,080	9,740
Lead	MG/KG	400	1000	118	14.9	11.6	17.9	8.4	28.4
Magnesium	MG/KG	-	-	-	1,350	1,200	1,750	1,300	1,730
Manganese	MG/KG	2000	10000	-	111	88.5	163 J	100 J	132
Mercury	MG/KG	0.81	2.8	0.2		0.028 J		0.022 J	0.046
Nickel	MG/KG	310	310	-	3.2 J	3.5 J	6.4	4.3	5.2
Potassium	MG/KG	-	-	-					
Selenium	MG/KG	180	1500	-					1.7
Vanadium	MG/KG	-	-	-	13.0	14.2	13.4	9.5	12.5
Zinc	MG/KG	10000	10000	167	31.1	25.0	34.7	25.5	35.1

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background shallow soil concentrations from sample locations SS-01, SS-02, SS-06, MW-01 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 4-5
SUMMARY OF DETECTED ANALYTES IN SITE SHALLOW SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-01	SB-01	SB-02	SB-02	SB-03
Sample ID					SB-1 (0-2)	SB-1 (0-0.5)	SB-2 (0-2)	SB-2 (0-0.5)	SB-3 (0-2)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					0.0-2.0	0.0-0.5	0.0-2.0	0.0-0.5	0.0-2.0
Date Sampled					05/15/13	05/22/13	05/15/13	05/22/13	05/16/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Volatile Organic Compounds									
Acetone	MG/KG	100	500	-					
Methylene chloride	MG/KG	100	500	-			0.0020 J		
Toluene	MG/KG	100	500	-					
Semivolatile Organic Compounds									
2-Methylnaphthalene	MG/KG	-	-	-					
Acenaphthylene	MG/KG	100	500	-					
Anthracene	MG/KG	100	500	-					
Benzaldehyde	MG/KG	-	-	-					
Benzo(a)anthracene	MG/KG	1	5.6	2.4		0.084 J		0.11 J	
Benzo(a)pyrene	MG/KG	1	1	3.5		0.12 J		0.17 J	
Benzo(b)fluoranthene	MG/KG	1	5.6	8		0.24 J		0.33 J	
Benzo(g,h,i)perylene	MG/KG	100	500	-		0.075 J		0.11 J	
Benzo(k)fluoranthene	MG/KG	3.9	56	1.7		0.078 J		0.10 J	
bis(2-Ethylhexyl)phthalate	MG/KG	-	-	-					
Carbazole	MG/KG	-	-	-					
Chrysene	MG/KG	3.9	56	4.2		0.094 J		0.17 J	
Dibenz(a,h)anthracene	MG/KG	0.33	0.56	0.56					
Fluoranthene	MG/KG	100	500	-		0.094 J		0.17 J	
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	5.6	1.7				0.098 J	

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background shallow soil concentrations from sample locations SS-01, SS-02, SS-06, MW-01 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 4-5
SUMMARY OF DETECTED ANALYTES IN SITE SHALLOW SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-01	SB-01	SB-02	SB-02	SB-03
Sample ID					SB-1 (0-2)	SB-1 (0-0.5)	SB-2 (0-2)	SB-2 (0-0.5)	SB-3 (0-2)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					0.0-2.0	0.0-0.5	0.0-2.0	0.0-0.5	0.0-2.0
Date Sampled					05/15/13	05/22/13	05/15/13	05/22/13	05/16/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Semivolatile Organic Compounds									
Naphthalene	MG/KG	100	500	-					
Phenanthrene	MG/KG	100	500	-					
Pyrene	MG/KG	100	500	-		0.13 J		0.17 J	
Pesticide Organic Compounds									
4,4'-DDE	MG/KG	8.9	62	-				0.0012 J	
4,4'-DDT	MG/KG	7.9	47	0.017	0.0010 J	0.0020		0.0032 NJ	
beta-BHC	MG/KG	0.36	3	-		0.0027 J			
Endosulfan II	MG/KG	24	200	-					
Methoxychlor	MG/KG	-	-	-					
Herbicides									
2,4,5-T	MG/KG	-	-	-					
2,4,5-TP (Silvex)	MG/KG	100	500	-					
2,4-D	MG/KG	-	-	-					
2,4-DB	MG/KG	-	-	-			0.021		
Dicamba	MG/KG	-	-	-					
Dinoseb	MG/KG	-	-	-					
Metals									
Aluminum	MG/KG	-	-	-	5,200	5,860	5,080	5,890	4,310
Antimony	MG/KG	-	-	-				0.23 J	

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background shallow soil concentrations from sample locations SS-01, SS-02, SS-06, MW-01 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

Advanced Selection: Site Shallow
J:\Projects\11176892\DB\EDMS.mde
Printed: 12/18/2014 10:57:44 AM
[MATRIX] = 'SO' AND ([LOCID] = 'MW-02' OR [LOCID] = 'MW-03' OR [LOCID] = 'MW-08' OR [LOCID] = 'MW-09' OR [LOCID] LIKE 'SB-*' OR [LOCID] = 'SS-03' OR [LOCID] = 'SS-04' OR [LOCID] = 'SS-05') AND ([SED] = '0.167' OR [SED] = '0.5' OR [SED] = '1.5' OR [SED] = '2')

TABLE 4-5
SUMMARY OF DETECTED ANALYTES IN SITE SHALLOW SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-01	SB-01	SB-02	SB-02	SB-03
Sample ID					SB-1 (0-2)	SB-1 (0-0.5)	SB-2 (0-2)	SB-2 (0-0.5)	SB-3 (0-2)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					0.0-2.0	0.0-0.5	0.0-2.0	0.0-0.5	0.0-2.0
Date Sampled					05/15/13	05/22/13	05/15/13	05/22/13	05/16/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Metals									
Arsenic	MG/KG	16	16	-	0.99 J	1.6	1.1	1.8	1.1
Barium	MG/KG	400	400	-	17.3 J	18.0 J	10.6 J	18.9 J	15.4 J
Beryllium	MG/KG	72	590	-	0.17 J	0.19 J	0.18 J	0.21 J	0.20 J
Calcium	MG/KG	-	-	17900	862	1,420	930	1,790	1,220
Chromium	MG/KG	180	1500	281	4.4	6.9	6.4	7.9	5.7
Cobalt	MG/KG	-	-	-	2.2 J	3.3 J	2.9 J	3.4 J	2.8 J
Copper	MG/KG	270	270	64.2	3.8	4.3	1.8 J	5.0	2.2 J
Iron	MG/KG	-	-	17500	5,730	9,210	7,950	9,450	7,910
Lead	MG/KG	400	1000	118	14.8	14.0	9.3	25.1	5.5
Magnesium	MG/KG	-	-	-	1,020	1,450	1,350	1,710	1,220
Manganese	MG/KG	2000	10000	-	83.1 J	103	85.9	122	92.2
Mercury	MG/KG	0.81	2.8	0.2	0.029 J	0.027 J	0.018 J	0.036 J	
Nickel	MG/KG	310	310	-		4.0 J	3.0 J	5.1	2.8 J
Potassium	MG/KG	-	-	-	31.2 J	292 J		352 J	
Selenium	MG/KG	180	1500	-					
Vanadium	MG/KG	-	-	-	8.3	13.4	12.4	13.3	13.1
Zinc	MG/KG	10000	10000	167	24.8	30.2	20.4	48.1	19.3

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background shallow soil concentrations from sample locations SS-01, SS-02, SS-06, MW-01 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 4-5
SUMMARY OF DETECTED ANALYTES IN SITE SHALLOW SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-03	SB-04	SB-04	SB-05	SB-05
Sample ID					SB-3 (0-0.5)	SB-4 (0-2)	SB-4 (0-0.5)	SB-5 (0-2)	SB-5 (0-0.5)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					0.0-0.5	0.0-2.0	0.0-0.5	0.0-2.0	0.0-0.5
Date Sampled					05/22/13	05/16/13	05/22/13	05/16/13	05/22/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Volatile Organic Compounds									
Acetone	MG/KG	100	500	-		NA			
Methylene chloride	MG/KG	100	500	-		NA			
Toluene	MG/KG	100	500	-		NA			
Semivolatile Organic Compounds									
2-Methylnaphthalene	MG/KG	-	-	-					
Acenaphthylene	MG/KG	100	500	-					
Anthracene	MG/KG	100	500	-					
Benzaldehyde	MG/KG	-	-	-		0.12 J			
Benzo(a)anthracene	MG/KG	1	5.6	2.4					
Benzo(a)pyrene	MG/KG	1	1	3.5					
Benzo(b)fluoranthene	MG/KG	1	5.6	8					
Benzo(g,h,i)perylene	MG/KG	100	500	-					
Benzo(k)fluoranthene	MG/KG	3.9	56	1.7					
bis(2-Ethylhexyl)phthalate	MG/KG	-	-	-					
Carbazole	MG/KG	-	-	-					
Chrysene	MG/KG	3.9	56	4.2					
Dibenz(a,h)anthracene	MG/KG	0.33	0.56	0.56					
Fluoranthene	MG/KG	100	500	-					
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	5.6	1.7					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background shallow soil concentrations from sample locations SS-01, SS-02, SS-06, MW-01 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 4-5
SUMMARY OF DETECTED ANALYTES IN SITE SHALLOW SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-03	SB-04	SB-04	SB-05	SB-05
Sample ID					SB-3 (0-0.5)	SB-4 (0-2)	SB-4 (0-0.5)	SB-5 (0-2)	SB-5 (0-0.5)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					0.0-0.5	0.0-2.0	0.0-0.5	0.0-2.0	0.0-0.5
Date Sampled					05/22/13	05/16/13	05/22/13	05/16/13	05/22/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Semivolatile Organic Compounds									
Naphthalene	MG/KG	100	500	-					
Phenanthrene	MG/KG	100	500	-					
Pyrene	MG/KG	100	500	-					
Pesticide Organic Compounds									
4,4'-DDE	MG/KG	8.9	62	-		0.0023			
4,4'-DDT	MG/KG	7.9	47	0.017		0.0020 J	0.0017 J		
beta-BHC	MG/KG	0.36	3	-					
Endosulfan II	MG/KG	24	200	-					
Methoxychlor	MG/KG	-	-	-					
Herbicides									
2,4,5-T	MG/KG	-	-	-					
2,4,5-TP (Silvex)	MG/KG	100	500	-					
2,4-D	MG/KG	-	-	-					
2,4-DB	MG/KG	-	-	-	0.019	0.013	0.0081 NJ		
Dicamba	MG/KG	-	-	-					
Dinoseb	MG/KG	-	-	-					
Metals									
Aluminum	MG/KG	-	-	-	8,970	NA	8,540	4,970	8,470
Antimony	MG/KG	-	-	-	0.51 J	NA	0.29 J		0.23 J

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background shallow soil concentrations from sample locations SS-01, SS-02, SS-06, MW-01 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 4-5
SUMMARY OF DETECTED ANALYTES IN SITE SHALLOW SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-03	SB-04	SB-04	SB-05	SB-05
Sample ID					SB-3 (0-0.5)	SB-4 (0-2)	SB-4 (0-0.5)	SB-5 (0-2)	SB-5 (0-0.5)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					0.0-0.5	0.0-2.0	0.0-0.5	0.0-2.0	0.0-0.5
Date Sampled					05/22/13	05/16/13	05/22/13	05/16/13	05/22/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Metals									
Arsenic	MG/KG	16	16	-	2.8	NA	3.8	1.4	2.9
Barium	MG/KG	400	400	-	28.0 J	NA	31.7	15.3 J	28.5
Beryllium	MG/KG	72	590	-	0.41 J	NA	0.34 J	0.16 J	0.35 J
Calcium	MG/KG	-	-	17900	1,500	NA	4,830	1,220	2,140
Chromium	MG/KG	180	1500	281	14.0	NA	13.4	4.8	13.2
Cobalt	MG/KG	-	-	-	4.9 J	NA	4.9 J	3.0 J	5.0 J
Copper	MG/KG	270	270	64.2	8.3	NA	7.5	3.8 J	8.0
Iron	MG/KG	-	-	17500	14,400	NA	13,500	7,040	13,700
Lead	MG/KG	400	1000	118	25.6	NA	44.3	17.7 J	21.0
Magnesium	MG/KG	-	-	-	2,360	NA	2,930	1,150	2,100
Manganese	MG/KG	2000	10000	-	167	NA	188	127	225
Mercury	MG/KG	0.81	2.8	0.2		NA		0.033 J	
Nickel	MG/KG	310	310	-	10.1	NA	8.2		9.3
Potassium	MG/KG	-	-	-	553 J	NA	675		751
Selenium	MG/KG	180	1500	-		NA			
Vanadium	MG/KG	-	-	-	17.7	NA	19.3	8.9	17.6
Zinc	MG/KG	10000	10000	167	40.8	NA	47.8	29.1	42.8

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background shallow soil concentrations from sample locations SS-01, SS-02, SS-06, MW-01 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 4-5
SUMMARY OF DETECTED ANALYTES IN SITE SHALLOW SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-06	SB-06	SB-07	SB-07	SS-03
Sample ID					SB-6 (0-2)	SB-6 (0-0.5)	SB-7 (0-0.5)	SB-7 (0-2)	SS-3
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					0.0-2.0	0.0-0.5	0.0-0.5	0.0-2.0	0.0-0.5
Date Sampled					05/17/13	05/22/13	05/22/13	05/22/13	05/22/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Volatile Organic Compounds									
Acetone	MG/KG	100	500	-			0.0060 J		
Methylene chloride	MG/KG	100	500	-					
Toluene	MG/KG	100	500	-			0.0020 J		
Semivolatile Organic Compounds									
2-Methylnaphthalene	MG/KG	-	-	-					
Acenaphthylene	MG/KG	100	500	-					
Anthracene	MG/KG	100	500	-					
Benzaldehyde	MG/KG	-	-	-					
Benzo(a)anthracene	MG/KG	1	5.6	2.4					
Benzo(a)pyrene	MG/KG	1	1	3.5					
Benzo(b)fluoranthene	MG/KG	1	5.6	8			0.15 J		
Benzo(g,h,i)perylene	MG/KG	100	500	-					
Benzo(k)fluoranthene	MG/KG	3.9	56	1.7					
bis(2-Ethylhexyl)phthalate	MG/KG	-	-	-					
Carbazole	MG/KG	-	-	-					
Chrysene	MG/KG	3.9	56	4.2					
Dibenz(a,h)anthracene	MG/KG	0.33	0.56	0.56					
Fluoranthene	MG/KG	100	500	-			0.091 J		
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	5.6	1.7					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background shallow soil concentrations from sample locations SS-01, SS-02, SS-06, MW-01 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 4-5
SUMMARY OF DETECTED ANALYTES IN SITE SHALLOW SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-06	SB-06	SB-07	SB-07	SS-03
Sample ID					SB-6 (0-2)	SB-6 (0-0.5)	SB-7 (0-0.5)	SB-7 (0-2)	SS-3
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					0.0-2.0	0.0-0.5	0.0-0.5	0.0-2.0	0.0-0.5
Date Sampled					05/17/13	05/22/13	05/22/13	05/22/13	05/22/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Semivolatile Organic Compounds									
Naphthalene	MG/KG	100	500	-					
Phenanthrene	MG/KG	100	500	-					
Pyrene	MG/KG	100	500	-					
Pesticide Organic Compounds									
4,4'-DDE	MG/KG	8.9	62	-				0.0031	0.010 J
4,4'-DDT	MG/KG	7.9	47	0.017				0.0026	0.0088 NJ
beta-BHC	MG/KG	0.36	3	-					
Endosulfan II	MG/KG	24	200	-					0.0022 NJ
Methoxychlor	MG/KG	-	-	-					0.012 J
Herbicides									
2,4,5-T	MG/KG	-	-	-		0.0052 J			0.0077 J
2,4,5-TP (Silvex)	MG/KG	100	500	-		0.0035 J			
2,4-D	MG/KG	-	-	-		0.0083 J			
2,4-DB	MG/KG	-	-	-	0.13	0.024 J			0.013 NJ
Dicamba	MG/KG	-	-	-		0.0033 J			
Dinoseb	MG/KG	-	-	-					0.0025 J
Metals									
Aluminum	MG/KG	-	-	-	7,460	7,160	8,270	10,300	4,340
Antimony	MG/KG	-	-	-		0.46 J	0.24 J	0.23 J	3.0 J

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background shallow soil concentrations from sample locations SS-01, SS-02, SS-06, MW-01 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 4-5
SUMMARY OF DETECTED ANALYTES IN SITE SHALLOW SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-06	SB-06	SB-07	SB-07	SS-03
Sample ID					SB-6 (0-2)	SB-6 (0-0.5)	SB-7 (0-0.5)	SB-7 (0-2)	SS-3
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					0.0-2.0	0.0-0.5	0.0-0.5	0.0-2.0	0.0-0.5
Date Sampled					05/17/13	05/22/13	05/22/13	05/22/13	05/22/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Metals									
Arsenic	MG/KG	16	16	-	1.8	2.2	3.3	5.6	13.7
Barium	MG/KG	400	400	-	28.2	24.0 J	27.1	40.7	42.2
Beryllium	MG/KG	72	590	-		0.28 J	0.28 J		0.22 J
Calcium	MG/KG	-	-	17900	1,950	1,340	2,330	5,250	1,870
Chromium	MG/KG	180	1500	281	8.4	10.4	11.9	18.4	16.3
Cobalt	MG/KG	-	-	-	4.8 J	4.3 J	4.2 J	7.1	6.7
Copper	MG/KG	270	270	64.2	4.4	6.2	6.5	15.7	54.8
Iron	MG/KG	-	-	17500	12,200	11,800	12,100	19,600	26,100
Lead	MG/KG	400	1000	118	6.2 J+	16.3	49.3	43.3 J+	89.1
Magnesium	MG/KG	-	-	-	1,660	1,790	1,710	4,700	1,370
Manganese	MG/KG	2000	10000	-	157	135	148	314	207
Mercury	MG/KG	0.81	2.8	0.2		0.030 J			0.043
Nickel	MG/KG	310	310	-	5.6	7.4	6.5	14.8	11.1
Potassium	MG/KG	-	-	-		514 J	555 J	815	432 J
Selenium	MG/KG	180	1500	-					
Vanadium	MG/KG	-	-	-	17.2	15.7	17.4	22.1	17.5
Zinc	MG/KG	10000	10000	167	35.5	34.4	48.5	58.7	54.9

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background shallow soil concentrations from sample locations SS-01, SS-02, SS-06, MW-01 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 4-5
SUMMARY OF DETECTED ANALYTES IN SITE SHALLOW SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SS-04	SS-04	SS-04	SS-05
Sample ID					SS-4	SS-4	SS-4 DUP	SS-5
Matrix					Soil	Soil	Soil	Soil
Depth Interval (ft)					0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5
Date Sampled					05/22/13	05/23/13	05/23/13	05/22/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**			Field Duplicate (1-1)	
Volatile Organic Compounds								
Acetone	MG/KG	100	500	-				
Methylene chloride	MG/KG	100	500	-				
Toluene	MG/KG	100	500	-				
Semivolatile Organic Compounds								
2-Methylnaphthalene	MG/KG	-	-	-	0.13 J			
Acenaphthylene	MG/KG	100	500	-	0.16 J			
Anthracene	MG/KG	100	500	-	0.077 J			
Benzaldehyde	MG/KG	-	-	-				
Benzo(a)anthracene	MG/KG	1	5.6	2.4	0.54			0.088 J
Benzo(a)pyrene	MG/KG	1	1	3.5	0.64			0.12 J
Benzo(b)fluoranthene	MG/KG	1	5.6	8	1.7			0.20 J
Benzo(g,h,i)perylene	MG/KG	100	500	-	0.36 J			
Benzo(k)fluoranthene	MG/KG	3.9	56	1.7	0.49			
bis(2-Ethylhexyl)phthalate	MG/KG	-	-	-			0.084 J	
Carbazole	MG/KG	-	-	-	0.17 J			
Chrysene	MG/KG	3.9	56	4.2	0.83			0.11 J
Dibenz(a,h)anthracene	MG/KG	0.33	0.56	0.56	0.14 J			
Fluoranthene	MG/KG	100	500	-	0.64			0.10 J
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	5.6	1.7	0.36 J			

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background shallow soil concentrations from sample locations SS-01, SS-02, SS-06, MW-01 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 4-5
SUMMARY OF DETECTED ANALYTES IN SITE SHALLOW SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SS-04	SS-04	SS-04	SS-05
Sample ID					SS-4	SS-4	SS-4 DUP	SS-5
Matrix					Soil	Soil	Soil	Soil
Depth Interval (ft)					0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5
Date Sampled					05/22/13	05/23/13	05/23/13	05/22/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**			Field Duplicate (1-1)	
Semivolatile Organic Compounds								
Naphthalene	MG/KG	100	500	-	0.11 J			
Phenanthrene	MG/KG	100	500	-	0.23 J			
Pyrene	MG/KG	100	500	-	0.65			0.11 J
Pesticide Organic Compounds								
4,4'-DDE	MG/KG	8.9	62	-				
4,4'-DDT	MG/KG	7.9	47	0.017				
beta-BHC	MG/KG	0.36	3	-		0.0011 NJ		
Endosulfan II	MG/KG	24	200	-				
Methoxychlor	MG/KG	-	-	-				
Herbicides								
2,4,5-T	MG/KG	-	-	-				
2,4,5-TP (Silvex)	MG/KG	100	500	-				
2,4-D	MG/KG	-	-	-				
2,4-DB	MG/KG	-	-	-				
Dicamba	MG/KG	-	-	-				0.0035 J
Dinoseb	MG/KG	-	-	-	0.0026 NJ			
Metals								
Aluminum	MG/KG	-	-	-	8,270	9,340	8,480	5,120
Antimony	MG/KG	-	-	-		0.54 J	0.55 J	0.38 J

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background shallow soil concentrations from sample locations SS-01, SS-02, SS-06, MW-01 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 4-5
SUMMARY OF DETECTED ANALYTES IN SITE SHALLOW SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SS-04	SS-04	SS-04	SS-05
Sample ID					SS-4	SS-4	SS-4 DUP	SS-5
Matrix					Soil	Soil	Soil	Soil
Depth Interval (ft)					0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5
Date Sampled					05/22/13	05/23/13	05/23/13	05/22/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**			Field Duplicate (1-1)	
Metals								
Arsenic	MG/KG	16	16	-	2.3	2.9	2.8	2.0
Barium	MG/KG	400	400	-	28.0	34.2	30.7	21.9 J
Beryllium	MG/KG	72	590	-	0.28 J	0.39 J	0.35 J	0.18 J
Calcium	MG/KG	-	-	17900	1,760	1,660	1,820	8,340
Chromium	MG/KG	180	1500	281	11.7	12.5	11.9	9.0
Cobalt	MG/KG	-	-	-	4.8 J	5.6 J	5.0 J	4.0 J
Copper	MG/KG	270	270	64.2	5.8	6.7 J	6.0 J	7.2
Iron	MG/KG	-	-	17500	12,600	15,900	14,500	10,200
Lead	MG/KG	400	1000	118	18.5	18.8 J	14.7 J	20.0
Magnesium	MG/KG	-	-	-	1,990	1,930 J	1,860 J	5,200
Manganese	MG/KG	2000	10000	-	166	280 J	185 J	130
Mercury	MG/KG	0.81	2.8	0.2	0.030 J	0.051	0.044	0.075
Nickel	MG/KG	310	310	-	7.7	7.9	7.7	7.1
Potassium	MG/KG	-	-	-	595	464 J	431 J	
Selenium	MG/KG	180	1500	-				
Vanadium	MG/KG	-	-	-	19.5	20.2	17.4	13.0
Zinc	MG/KG	10000	10000	167	39.1	41.0	37.0	54.0

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background shallow soil concentrations from sample locations SS-01, SS-02, SS-06, MW-01 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 4-6
STATISTICAL SUMMARY OF DETECTED ANALYTES IN SITE SHALLOW SOILS
UNRESTRICTED USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Volatile Organic Compounds										
Acetone	MG/KG	0.05	23	1	0.006	0.006	0.006	0	SB-07	0-0.5
Methylene chloride	MG/KG	0.05	23	1	0.002	0.002	0.002	0	SB-02	0-2
Toluene	MG/KG	0.7	23	1	0.002	0.002	0.002	0	SB-07	0-0.5
Semivolatile Organic Compounds										
2-Methylnaphthalene	MG/KG	0.41	24	1	0.130	0.130	0.130	0	SS-04	0-0.5
Acenaphthylene	MG/KG	100	24	1	0.160	0.160	0.160	0	SS-04	0-0.5
Anthracene	MG/KG	100	24	1	0.077	0.077	0.077	0	SS-04	0-0.5
Benzaldehyde	MG/KG	-	24	1	0.120	0.120	0.120	0	SB-04	0-2
Benzo(a)anthracene	MG/KG	1	24	5	0.084	0.540	0.196	0	SS-04	0-0.5
Benzo(a)pyrene	MG/KG	1	24	5	0.120	0.640	0.242	0	SS-04	0-0.5
Benzo(b)fluoranthene	MG/KG	1	24	7	0.110	1.70	0.426	1	SS-04	0-0.5
Benzo(g,h,i)perylene	MG/KG	100	24	4	0.075	0.360	0.157	0	SS-04	0-0.5
Benzo(k)fluoranthene	MG/KG	0.8	24	3	0.078	0.490	0.223	0	SS-04	0-0.5
bis(2-Ethylhexyl)phthalate	MG/KG	50	24	1	0.084	0.084	0.084	0	SS-04	0-0.5
Carbazole	MG/KG	-	24	2	0.130	0.170	0.150	0	SS-04	0-0.5
Chrysene	MG/KG	1	24	6	0.076	0.830	0.247	0	SS-04	0-0.5
Dibenz(a,h)anthracene	MG/KG	0.33	24	1	0.140	0.140	0.140	0	SS-04	0-0.5
Fluoranthene	MG/KG	100	24	7	0.088	0.640	0.208	0	SS-04	0-0.5
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	24	3	0.079	0.360	0.179	0	SS-04	0-0.5

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Concentration Exceeds Criteria

Only Detected Results Reported.

WHERE [MATRIX] = 'SO' AND ([LOCID] = 'MW-02' OR [LOCID] = 'MW-03' OR [LOCID] = 'MW-08' OR [LOCID] = 'MW-09' OR [LOCID] LIKE 'SB-*' OR [LOCID] = 'SS-03' OR [LOCID] = 'SS-04' OR [LOCID] = 'SS-05') AND ([SED] = '0.167' OR [SED] = '0.5' OR [SED] = '1.5' OR [SED] = '2');

TABLE 4-6
STATISTICAL SUMMARY OF DETECTED ANALYTES IN SITE SHALLOW SOILS
UNRESTRICTED USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Semivolatile Organic Compounds										
Naphthalene	MG/KG	12	24	1	0.110	0.110	0.110	0	SS-04	0-0.5
Phenanthrene	MG/KG	100	24	2	0.120	0.230	0.175	0	SS-04	0-0.5
Pyrene	MG/KG	100	24	6	0.086	0.650	0.233	0	SS-04	0-0.5
Pesticide Organic Compounds										
4,4'-DDE	MG/KG	0.0033	24	6	0.0010	0.010	0.003	1	SS-03	0-0.5
4,4'-DDT	MG/KG	0.0033	24	10	0.0009	0.009	0.002	1	SS-03	0-0.5
beta-BHC	MG/KG	0.036	24	2	0.001	0.003	0.002	0	SB-01	0-0.5
Endosulfan II	MG/KG	2.4	24	1	0.002	0.002	0.002	0	SS-03	0-0.5
Methoxychlor	MG/KG	1.2	24	1	0.012	0.012	0.012	0	SS-03	0-0.5
Herbicides										
2,4,5-T	MG/KG	1.9	24	2	0.005	0.008	0.006	0	SS-03	0-0.5
2,4,5-TP (Silvex)	MG/KG	3.8	24	1	0.004	0.004	0.004	0	SB-06	0-0.5
2,4-D	MG/KG	0.5	24	1	0.008	0.008	0.008	0	SB-06	0-0.5
2,4-DB	MG/KG	-	24	8	0.008	0.130	0.033	0	SB-06	0-2
Dicamba	MG/KG	-	24	2	0.003	0.004	0.003	0	SS-05	0-0.5
Dinoseb	MG/KG	-	24	2	0.003	0.003	0.003	0	SS-04	0-0.5
Metals										
Aluminum	MG/KG	10000	23	23	4,310	1.03E+04	6,696	1	SB-07	0-2

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Concentration Exceeds Criteria

Only Detected Results Reported.

WHERE [MATRIX] = 'SO' AND ([LOCID] = 'MW-02' OR [LOCID] = 'MW-03' OR [LOCID] = 'MW-08' OR [LOCID] = 'MW-09' OR [LOCID] LIKE 'SB-*' OR [LOCID] = 'SS-03' OR [LOCID] = 'SS-04' OR [LOCID] = 'SS-05') AND ([SED] = '0.167' OR [SED] = '0.5' OR [SED] = '1.5' OR [SED] = '2');

TABLE 4-6
STATISTICAL SUMMARY OF DETECTED ANALYTES IN SITE SHALLOW SOILS
UNRESTRICTED USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Metals										
Antimony	MG/KG	12	23	12	0.230	3.00	0.575	0	SS-03	0-0.5
Arsenic	MG/KG	13	23	23	0.950	13.70	2.74	1	SS-03	0-0.5
Barium	MG/KG	350	23	23	10.60	42.20	24.14	0	SS-03	0-0.5
Beryllium	MG/KG	7.2	23	21	0.140	0.410	0.249	0	SB-03	0-0.5
Calcium	MG/KG	10000	23	23	838.0	8,340	2,196	0	SS-05	0-0.5
Chromium	MG/KG	30	23	23	4.40	18.40	9.68	0	SB-07	0-2
Cobalt	MG/KG	20	23	22	2.20	7.10	4.20	0	SB-07	0-2
Copper	MG/KG	50	23	23	1.80	54.80	7.90	1	SS-03	0-0.5
Iron	MG/KG	2000	23	23	5,730	2.61E+04	1.16E+04	23	SS-03	0-0.5
Lead	MG/KG	63	23	23	5.50	89.10	23.25	1	SS-03	0-0.5
Magnesium	MG/KG	-	23	23	1,020	5,200	1,949	0	SS-05	0-0.5
Manganese	MG/KG	1600	23	23	83.10	314.0	152.6	0	SB-07	0-2
Mercury	MG/KG	0.18	23	14	0.018	0.075	0.037	0	SS-05	0-0.5
Nickel	MG/KG	30	23	21	2.80	14.80	6.71	0	SB-07	0-2
Potassium	MG/KG	-	23	13	31.20	815.0	496.9	0	SB-07	0-2
Selenium	MG/KG	3.9	23	1	1.70	1.70	1.70	0	MW-09	0-2
Vanadium	MG/KG	39	23	23	8.30	22.10	15.07	0	SB-07	0-2
Zinc	MG/KG	109	23	23	19.30	58.70	37.30	0	SB-07	0-2

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Concentration Exceeds Criteria

Only Detected Results Reported.

WHERE [MATRIX] = 'SO' AND ([LOCID] = 'MW-02' OR [LOCID] = 'MW-03' OR [LOCID] = 'MW-08' OR [LOCID] = 'MW-09' OR [LOCID] LIKE 'SB-*' OR [LOCID] = 'SS-03' OR [LOCID] = 'SS-04' OR [LOCID] = 'SS-05') AND ([SED] = '0.167' OR [SED] = '0.5' OR [SED] = '1.5' OR [SED] = '2');

TABLE 4-7
STATISTICAL SUMMARY OF DETECTED ANALYTES IN SITE SHALLOW SOILS
PROTECTION OF GROUNDWATER CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Volatile Organic Compounds										
Acetone	MG/KG	0.05	23	1	0.006	0.006	0.006	0	SB-07	0-0.5
Methylene chloride	MG/KG	0.05	23	1	0.002	0.002	0.002	0	SB-02	0-2
Toluene	MG/KG	0.7	23	1	0.002	0.002	0.002	0	SB-07	0-0.5
Semivolatile Organic Compounds										
2-Methylnaphthalene	MG/KG	36.4	24	1	0.130	0.130	0.130	0	SS-04	0-0.5
Acenaphthylene	MG/KG	107	24	1	0.160	0.160	0.160	0	SS-04	0-0.5
Anthracene	MG/KG	1000	24	1	0.077	0.077	0.077	0	SS-04	0-0.5
Benzaldehyde	MG/KG	-	24	1	0.120	0.120	0.120	0	SB-04	0-2
Benzo(a)anthracene	MG/KG	1	24	5	0.084	0.540	0.196	0	SS-04	0-0.5
Benzo(a)pyrene	MG/KG	22	24	5	0.120	0.640	0.242	0	SS-04	0-0.5
Benzo(b)fluoranthene	MG/KG	1.7	24	7	0.110	1.70	0.426	1	SS-04	0-0.5
Benzo(g,h,i)perylene	MG/KG	1000	24	4	0.075	0.360	0.157	0	SS-04	0-0.5
Benzo(k)fluoranthene	MG/KG	1.7	24	3	0.078	0.490	0.223	0	SS-04	0-0.5
bis(2-Ethylhexyl)phthalate	MG/KG	435	24	1	0.084	0.084	0.084	0	SS-04	0-0.5
Carbazole	MG/KG	-	24	2	0.130	0.170	0.150	0	SS-04	0-0.5
Chrysene	MG/KG	1	24	6	0.076	0.830	0.247	0	SS-04	0-0.5
Dibenz(a,h)anthracene	MG/KG	1000	24	1	0.140	0.140	0.140	0	SS-04	0-0.5
Fluoranthene	MG/KG	1000	24	7	0.088	0.640	0.208	0	SS-04	0-0.5
Indeno(1,2,3-cd)pyrene	MG/KG	8.2	24	3	0.079	0.360	0.179	0	SS-04	0-0.5

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Concentration Exceeds Criteria

Only Detected Results Reported.

WHERE [MATRIX] = 'SO' AND ([LOCID] = 'MW-02' OR [LOCID] = 'MW-03' OR [LOCID] = 'MW-08' OR [LOCID] = 'MW-09' OR [LOCID] LIKE 'SB-*' OR [LOCID] = 'SS-03' OR [LOCID] = 'SS-04' OR [LOCID] = 'SS-05') AND ([SED] = '0.167' OR [SED] = '0.5' OR [SED] = '1.5' OR [SED] = '2');

TABLE 4-7
STATISTICAL SUMMARY OF DETECTED ANALYTES IN SITE SHALLOW SOILS
PROTECTION OF GROUNDWATER CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Semivolatile Organic Compounds										
Naphthalene	MG/KG	12	24	1	0.110	0.110	0.110	0	SS-04	0-0.5
Phenanthrene	MG/KG	1000	24	2	0.120	0.230	0.175	0	SS-04	0-0.5
Pyrene	MG/KG	1000	24	6	0.086	0.650	0.233	0	SS-04	0-0.5
Pesticide Organic Compounds										
4,4'-DDE	MG/KG	17	24	6	0.0010	0.010	0.003	0	SS-03	0-0.5
4,4'-DDT	MG/KG	136	24	10	0.0009	0.009	0.002	0	SS-03	0-0.5
beta-BHC	MG/KG	0.09	24	2	0.001	0.003	0.002	0	SB-01	0-0.5
Endosulfan II	MG/KG	102	24	1	0.002	0.002	0.002	0	SS-03	0-0.5
Methoxychlor	MG/KG	900	24	1	0.012	0.012	0.012	0	SS-03	0-0.5
Herbicides										
2,4,5-T	MG/KG	1.9	24	2	0.005	0.008	0.006	0	SS-03	0-0.5
2,4,5-TP (Silvex)	MG/KG	3.8	24	1	0.004	0.004	0.004	0	SB-06	0-0.5
2,4-D	MG/KG	0.5	24	1	0.008	0.008	0.008	0	SB-06	0-0.5
2,4-DB	MG/KG	-	24	8	0.008	0.130	0.033	0	SB-06	0-2
Dicamba	MG/KG	-	24	2	0.003	0.004	0.003	0	SS-05	0-0.5
Dinoseb	MG/KG	-	24	2	0.003	0.003	0.003	0	SS-04	0-0.5
Metals										
Aluminum	MG/KG	-	23	23	4,310	1.03E+04	6,696	0	SB-07	0-2

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Concentration Exceeds Criteria

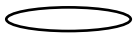
Only Detected Results Reported.

WHERE [MATRIX] = 'SO' AND ([LOCID] = 'MW-02' OR [LOCID] = 'MW-03' OR [LOCID] = 'MW-08' OR [LOCID] = 'MW-09' OR [LOCID] LIKE 'SB-*' OR [LOCID] = 'SS-03' OR [LOCID] = 'SS-04' OR [LOCID] = 'SS-05') AND ([SED] = '0.167' OR [SED] = '0.5' OR [SED] = '1.5' OR [SED] = '2');

TABLE 4-7
STATISTICAL SUMMARY OF DETECTED ANALYTES IN SITE SHALLOW SOILS
PROTECTION OF GROUNDWATER CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Metals										
Antimony	MG/KG	-	23	12	0.230	3.00	0.575	0	SS-03	0-0.5
Arsenic	MG/KG	16	23	23	0.950	13.70	2.74	0	SS-03	0-0.5
Barium	MG/KG	820	23	23	10.60	42.20	24.14	0	SS-03	0-0.5
Beryllium	MG/KG	47	23	21	0.140	0.410	0.249	0	SB-03	0-0.5
Calcium	MG/KG	-	23	23	838.0	8,340	2,196	0	SS-05	0-0.5
Chromium	MG/KG	NS	23	23	4.40	18.40	9.68	0	SB-07	0-2
Cobalt	MG/KG	-	23	22	2.20	7.10	4.20	0	SB-07	0-2
Copper	MG/KG	1720	23	23	1.80	54.80	7.90	0	SS-03	0-0.5
Iron	MG/KG	-	23	23	5,730	2.61E+04	1.16E+04	0	SS-03	0-0.5
Lead	MG/KG	450	23	23	5.50	89.10	23.25	0	SS-03	0-0.5
Magnesium	MG/KG	-	23	23	1,020	5,200	1,949	0	SS-05	0-0.5
Manganese	MG/KG	2000	23	23	83.10	314.0	152.6	0	SB-07	0-2
Mercury	MG/KG	0.73	23	14	0.018	0.075	0.037	0	SS-05	0-0.5
Nickel	MG/KG	130	23	21	2.80	14.80	6.71	0	SB-07	0-2
Potassium	MG/KG	-	23	13	31.20	815.0	496.9	0	SB-07	0-2
Selenium	MG/KG	4	23	1	1.70	1.70	1.70	0	MW-09	0-2
Vanadium	MG/KG	-	23	23	8.30	22.10	15.07	0	SB-07	0-2
Zinc	MG/KG	2480	23	23	19.30	58.70	37.30	0	SB-07	0-2

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.


Concentration Exceeds Criteria

Only Detected Results Reported.

WHERE [MATRIX] = 'SO' AND ([LOCID] = 'MW-02' OR [LOCID] = 'MW-03' OR [LOCID] = 'MW-08' OR [LOCID] = 'MW-09' OR [LOCID] LIKE 'SB-*' OR [LOCID] = 'SS-03' OR [LOCID] = 'SS-04' OR [LOCID] = 'SS-05') AND ([SED] = '0.167' OR [SED] = '0.5' OR [SED] = '1.5' OR [SED] = '2');

TABLE 4-8
STATISTICAL SUMMARY OF DETECTED ANALYTES IN SITE SHALLOW SOILS
RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Volatile Organic Compounds										
Acetone	MG/KG	100	23	1	0.006	0.006	0.006	0	SB-07	0-0.5
Methylene chloride	MG/KG	51	23	1	0.002	0.002	0.002	0	SB-02	0-2
Toluene	MG/KG	100	23	1	0.002	0.002	0.002	0	SB-07	0-0.5
Semivolatile Organic Compounds										
2-Methylnaphthalene	MG/KG	0.41	24	1	0.130	0.130	0.130	0	SS-04	0-0.5
Acenaphthylene	MG/KG	100	24	1	0.160	0.160	0.160	0	SS-04	0-0.5
Anthracene	MG/KG	100	24	1	0.077	0.077	0.077	0	SS-04	0-0.5
Benzaldehyde	MG/KG	-	24	1	0.120	0.120	0.120	0	SB-04	0-2
Benzo(a)anthracene	MG/KG	1	24	5	0.084	0.540	0.196	0	SS-04	0-0.5
Benzo(a)pyrene	MG/KG	1	24	5	0.120	0.640	0.242	0	SS-04	0-0.5
Benzo(b)fluoranthene	MG/KG	1	24	7	0.110	1.70	0.426	1	SS-04	0-0.5
Benzo(g,h,i)perylene	MG/KG	100	24	4	0.075	0.360	0.157	0	SS-04	0-0.5
Benzo(k)fluoranthene	MG/KG	1	24	3	0.078	0.490	0.223	0	SS-04	0-0.5
bis(2-Ethylhexyl)phthalate	MG/KG	50	24	1	0.084	0.084	0.084	0	SS-04	0-0.5
Carbazole	MG/KG	-	24	2	0.130	0.170	0.150	0	SS-04	0-0.5
Chrysene	MG/KG	1	24	6	0.076	0.830	0.247	0	SS-04	0-0.5
Dibenz(a,h)anthracene	MG/KG	0.33	24	1	0.140	0.140	0.140	0	SS-04	0-0.5
Fluoranthene	MG/KG	100	24	7	0.088	0.640	0.208	0	SS-04	0-0.5
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	24	3	0.079	0.360	0.179	0	SS-04	0-0.5

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Concentration Exceeds Criteria

Only Detected Results Reported.

WHERE [MATRIX] = 'SO' AND ([LOCID] = 'MW-02' OR [LOCID] = 'MW-03' OR [LOCID] = 'MW-08' OR [LOCID] = 'MW-09' OR [LOCID] LIKE 'SB-*' OR [LOCID] = 'SS-03' OR [LOCID] = 'SS-04' OR [LOCID] = 'SS-05') AND ([SED] = '0.167' OR [SED] = '0.5' OR [SED] = '1.5' OR [SED] = '2');

TABLE 4-8
STATISTICAL SUMMARY OF DETECTED ANALYTES IN SITE SHALLOW SOILS
RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Semivolatile Organic Compounds										
Naphthalene	MG/KG	100	24	1	0.110	0.110	0.110	0	SS-04	0-0.5
Phenanthrene	MG/KG	100	24	2	0.120	0.230	0.175	0	SS-04	0-0.5
Pyrene	MG/KG	100	24	6	0.086	0.650	0.233	0	SS-04	0-0.5
Pesticide Organic Compounds										
4,4'-DDE	MG/KG	1.8	24	6	0.0010	0.010	0.003	0	SS-03	0-0.5
4,4'-DDT	MG/KG	1.7	24	10	0.0009	0.009	0.002	0	SS-03	0-0.5
beta-BHC	MG/KG	0.072	24	2	0.001	0.003	0.002	0	SB-01	0-0.5
Endosulfan II	MG/KG	4.8	24	1	0.002	0.002	0.002	0	SS-03	0-0.5
Methoxychlor	MG/KG	100	24	1	0.012	0.012	0.012	0	SS-03	0-0.5
Herbicides										
2,4,5-T	MG/KG	100	24	2	0.005	0.008	0.006	0	SS-03	0-0.5
2,4,5-TP (Silvex)	MG/KG	58	24	1	0.004	0.004	0.004	0	SB-06	0-0.5
2,4-D	MG/KG	100	24	1	0.008	0.008	0.008	0	SB-06	0-0.5
2,4-DB	MG/KG	-	24	8	0.008	0.130	0.033	0	SB-06	0-2
Dicamba	MG/KG	-	24	2	0.003	0.004	0.003	0	SS-05	0-0.5
Dinoseb	MG/KG	-	24	2	0.003	0.003	0.003	0	SS-04	0-0.5
Metals										
Aluminum	MG/KG	-	23	23	4,310	1.03E+04	6,696	0	SB-07	0-2

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Concentration Exceeds Criteria

Only Detected Results Reported.

WHERE [MATRIX] = 'SO' AND ([LOCID] = 'MW-02' OR [LOCID] = 'MW-03' OR [LOCID] = 'MW-08' OR [LOCID] = 'MW-09' OR [LOCID] LIKE 'SB-*' OR [LOCID] = 'SS-03' OR [LOCID] = 'SS-04' OR [LOCID] = 'SS-05') AND ([SED] = '0.167' OR [SED] = '0.5' OR [SED] = '1.5' OR [SED] = '2');

TABLE 4-8
STATISTICAL SUMMARY OF DETECTED ANALYTES IN SITE SHALLOW SOILS
RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Metals										
Antimony	MG/KG	-	23	12	0.230	3.00	0.575	0	SS-03	0-0.5
Arsenic	MG/KG	16	23	23	0.950	13.70	2.74	0	SS-03	0-0.5
Barium	MG/KG	350	23	23	10.60	42.20	24.14	0	SS-03	0-0.5
Beryllium	MG/KG	14	23	21	0.140	0.410	0.249	0	SB-03	0-0.5
Calcium	MG/KG	-	23	23	838.0	8,340	2,196	0	SS-05	0-0.5
Chromium	MG/KG	36	23	23	4.40	18.40	9.68	0	SB-07	0-2
Cobalt	MG/KG	30	23	22	2.20	7.10	4.20	0	SB-07	0-2
Copper	MG/KG	270	23	23	1.80	54.80	7.90	0	SS-03	0-0.5
Iron	MG/KG	2000	23	23	5,730	2.61E+04	1.16E+04	23	SS-03	0-0.5
Lead	MG/KG	400	23	23	5.50	89.10	23.25	0	SS-03	0-0.5
Magnesium	MG/KG	-	23	23	1,020	5,200	1,949	0	SS-05	0-0.5
Manganese	MG/KG	2000	23	23	83.10	314.0	152.6	0	SB-07	0-2
Mercury	MG/KG	0.81	23	14	0.018	0.075	0.037	0	SS-05	0-0.5
Nickel	MG/KG	140	23	21	2.80	14.80	6.71	0	SB-07	0-2
Potassium	MG/KG	-	23	13	31.20	815.0	496.9	0	SB-07	0-2
Selenium	MG/KG	36	23	1	1.70	1.70	1.70	0	MW-09	0-2
Vanadium	MG/KG	100	23	23	8.30	22.10	15.07	0	SB-07	0-2
Zinc	MG/KG	2200	23	23	19.30	58.70	37.30	0	SB-07	0-2

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Concentration Exceeds Criteria

Only Detected Results Reported.

WHERE [MATRIX] = 'SO' AND ([LOCID] = 'MW-02' OR [LOCID] = 'MW-03' OR [LOCID] = 'MW-08' OR [LOCID] = 'MW-09' OR [LOCID] LIKE 'SB-*' OR [LOCID] = 'SS-03' OR [LOCID] = 'SS-04' OR [LOCID] = 'SS-05') AND ([SED] = '0.167' OR [SED] = '0.5' OR [SED] = '1.5' OR [SED] = '2');

TABLE 4-9
STATISTICAL SUMMARY OF DETECTED ANALYTES IN SITE SHALLOW SOILS
RESTRICTED RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Volatile Organic Compounds										
Acetone	MG/KG	100	23	1	0.006	0.006	0.006	0	SB-07	0-0.5
Methylene chloride	MG/KG	100	23	1	0.002	0.002	0.002	0	SB-02	0-2
Toluene	MG/KG	100	23	1	0.002	0.002	0.002	0	SB-07	0-0.5
Semivolatile Organic Compounds										
2-Methylnaphthalene	MG/KG	-	24	1	0.130	0.130	0.130	0	SS-04	0-0.5
Acenaphthylene	MG/KG	100	24	1	0.160	0.160	0.160	0	SS-04	0-0.5
Anthracene	MG/KG	100	24	1	0.077	0.077	0.077	0	SS-04	0-0.5
Benzaldehyde	MG/KG	-	24	1	0.120	0.120	0.120	0	SB-04	0-2
Benzo(a)anthracene	MG/KG	1	24	5	0.084	0.540	0.196	0	SS-04	0-0.5
Benzo(a)pyrene	MG/KG	1	24	5	0.120	0.640	0.242	0	SS-04	0-0.5
Benzo(b)fluoranthene	MG/KG	1	24	7	0.110	1.70	0.426	1	SS-04	0-0.5
Benzo(g,h,i)perylene	MG/KG	100	24	4	0.075	0.360	0.157	0	SS-04	0-0.5
Benzo(k)fluoranthene	MG/KG	3.9	24	3	0.078	0.490	0.223	0	SS-04	0-0.5
bis(2-Ethylhexyl)phthalate	MG/KG	-	24	1	0.084	0.084	0.084	0	SS-04	0-0.5
Carbazole	MG/KG	-	24	2	0.130	0.170	0.150	0	SS-04	0-0.5
Chrysene	MG/KG	3.9	24	6	0.076	0.830	0.247	0	SS-04	0-0.5
Dibenz(a,h)anthracene	MG/KG	0.33	24	1	0.140	0.140	0.140	0	SS-04	0-0.5
Fluoranthene	MG/KG	100	24	7	0.088	0.640	0.208	0	SS-04	0-0.5
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	24	3	0.079	0.360	0.179	0	SS-04	0-0.5

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Concentration Exceeds Criteria

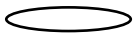
Only Detected Results Reported.

WHERE [MATRIX] = 'SO' AND ([LOCID] = 'MW-02' OR [LOCID] = 'MW-03' OR [LOCID] = 'MW-08' OR [LOCID] = 'MW-09' OR [LOCID] LIKE 'SB-*' OR [LOCID] = 'SS-03' OR [LOCID] = 'SS-04' OR [LOCID] = 'SS-05') AND ([SED] = '0.167' OR [SED] = '0.5' OR [SED] = '1.5' OR [SED] = '2');

TABLE 4-9
STATISTICAL SUMMARY OF DETECTED ANALYTES IN SITE SHALLOW SOILS
RESTRICTED RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Semivolatile Organic Compounds										
Naphthalene	MG/KG	100	24	1	0.110	0.110	0.110	0	SS-04	0-0.5
Phenanthrene	MG/KG	100	24	2	0.120	0.230	0.175	0	SS-04	0-0.5
Pyrene	MG/KG	100	24	6	0.086	0.650	0.233	0	SS-04	0-0.5
Pesticide Organic Compounds										
4,4'-DDE	MG/KG	8.9	24	6	0.0010	0.010	0.003	0	SS-03	0-0.5
4,4'-DDT	MG/KG	7.9	24	10	0.0009	0.009	0.002	0	SS-03	0-0.5
beta-BHC	MG/KG	0.36	24	2	0.001	0.003	0.002	0	SB-01	0-0.5
Endosulfan II	MG/KG	24	24	1	0.002	0.002	0.002	0	SS-03	0-0.5
Methoxychlor	MG/KG	-	24	1	0.012	0.012	0.012	0	SS-03	0-0.5
Herbicides										
2,4,5-T	MG/KG	-	24	2	0.005	0.008	0.006	0	SS-03	0-0.5
2,4,5-TP (Silvex)	MG/KG	100	24	1	0.004	0.004	0.004	0	SB-06	0-0.5
2,4-D	MG/KG	-	24	1	0.008	0.008	0.008	0	SB-06	0-0.5
2,4-DB	MG/KG	-	24	8	0.008	0.130	0.033	0	SB-06	0-2
Dicamba	MG/KG	-	24	2	0.003	0.004	0.003	0	SS-05	0-0.5
Dinoseb	MG/KG	-	24	2	0.003	0.003	0.003	0	SS-04	0-0.5
Metals										
Aluminum	MG/KG	-	23	23	4,310	1.03E+04	6,696	0	SB-07	0-2

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.


Concentration Exceeds Criteria

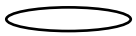
Only Detected Results Reported.

WHERE [MATRIX] = 'SO' AND ([LOCID] = 'MW-02' OR [LOCID] = 'MW-03' OR [LOCID] = 'MW-08' OR [LOCID] = 'MW-09' OR [LOCID] LIKE 'SB-*' OR [LOCID] = 'SS-03' OR [LOCID] = 'SS-04' OR [LOCID] = 'SS-05') AND ([SED] = '0.167' OR [SED] = '0.5' OR [SED] = '1.5' OR [SED] = '2');

TABLE 4-9
STATISTICAL SUMMARY OF DETECTED ANALYTES IN SITE SHALLOW SOILS
RESTRICTED RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Metals										
Antimony	MG/KG	-	23	12	0.230	3.00	0.575	0	SS-03	0-0.5
Arsenic	MG/KG	16	23	23	0.950	13.70	2.74	0	SS-03	0-0.5
Barium	MG/KG	400	23	23	10.60	42.20	24.14	0	SS-03	0-0.5
Beryllium	MG/KG	72	23	21	0.140	0.410	0.249	0	SB-03	0-0.5
Calcium	MG/KG	-	23	23	838.0	8,340	2,196	0	SS-05	0-0.5
Chromium	MG/KG	180	23	23	4.40	18.40	9.68	0	SB-07	0-2
Cobalt	MG/KG	-	23	22	2.20	7.10	4.20	0	SB-07	0-2
Copper	MG/KG	270	23	23	1.80	54.80	7.90	0	SS-03	0-0.5
Iron	MG/KG	-	23	23	5,730	2.61E+04	1.16E+04	0	SS-03	0-0.5
Lead	MG/KG	400	23	23	5.50	89.10	23.25	0	SS-03	0-0.5
Magnesium	MG/KG	-	23	23	1,020	5,200	1,949	0	SS-05	0-0.5
Manganese	MG/KG	2000	23	23	83.10	314.0	152.6	0	SB-07	0-2
Mercury	MG/KG	0.81	23	14	0.018	0.075	0.037	0	SS-05	0-0.5
Nickel	MG/KG	310	23	21	2.80	14.80	6.71	0	SB-07	0-2
Potassium	MG/KG	-	23	13	31.20	815.0	496.9	0	SB-07	0-2
Selenium	MG/KG	180	23	1	1.70	1.70	1.70	0	MW-09	0-2
Vanadium	MG/KG	-	23	23	8.30	22.10	15.07	0	SB-07	0-2
Zinc	MG/KG	10000	23	23	19.30	58.70	37.30	0	SB-07	0-2

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.


Concentration Exceeds Criteria

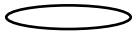
Only Detected Results Reported.

WHERE [MATRIX] = 'SO' AND ([LOCID] = 'MW-02' OR [LOCID] = 'MW-03' OR [LOCID] = 'MW-08' OR [LOCID] = 'MW-09' OR [LOCID] LIKE 'SB-*' OR [LOCID] = 'SS-03' OR [LOCID] = 'SS-04' OR [LOCID] = 'SS-05') AND ([SED] = '0.167' OR [SED] = '0.5' OR [SED] = '1.5' OR [SED] = '2');

TABLE 4-10
STATISTICAL SUMMARY OF DETECTED ANALYTES IN SITE SHALLOW SOILS
COMMERCIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Volatile Organic Compounds										
Acetone	MG/KG	500	23	1	0.006	0.006	0.006	0	SB-07	0-0.5
Methylene chloride	MG/KG	500	23	1	0.002	0.002	0.002	0	SB-02	0-2
Toluene	MG/KG	500	23	1	0.002	0.002	0.002	0	SB-07	0-0.5
Semivolatile Organic Compounds										
2-Methylnaphthalene	MG/KG	-	24	1	0.130	0.130	0.130	0	SS-04	0-0.5
Acenaphthylene	MG/KG	500	24	1	0.160	0.160	0.160	0	SS-04	0-0.5
Anthracene	MG/KG	500	24	1	0.077	0.077	0.077	0	SS-04	0-0.5
Benzaldehyde	MG/KG	-	24	1	0.120	0.120	0.120	0	SB-04	0-2
Benzo(a)anthracene	MG/KG	5.6	24	5	0.084	0.540	0.196	0	SS-04	0-0.5
Benzo(a)pyrene	MG/KG	1	24	5	0.120	0.640	0.242	0	SS-04	0-0.5
Benzo(b)fluoranthene	MG/KG	5.6	24	7	0.110	1.70	0.426	0	SS-04	0-0.5
Benzo(g,h,i)perylene	MG/KG	500	24	4	0.075	0.360	0.157	0	SS-04	0-0.5
Benzo(k)fluoranthene	MG/KG	56	24	3	0.078	0.490	0.223	0	SS-04	0-0.5
bis(2-Ethylhexyl)phthalate	MG/KG	-	24	1	0.084	0.084	0.084	0	SS-04	0-0.5
Carbazole	MG/KG	-	24	2	0.130	0.170	0.150	0	SS-04	0-0.5
Chrysene	MG/KG	56	24	6	0.076	0.830	0.247	0	SS-04	0-0.5
Dibenz(a,h)anthracene	MG/KG	0.56	24	1	0.140	0.140	0.140	0	SS-04	0-0.5
Fluoranthene	MG/KG	500	24	7	0.088	0.640	0.208	0	SS-04	0-0.5
Indeno(1,2,3-cd)pyrene	MG/KG	5.6	24	3	0.079	0.360	0.179	0	SS-04	0-0.5

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.


Concentration Exceeds Criteria

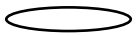
Only Detected Results Reported.

WHERE [MATRIX] = 'SO' AND ([LOCID] = 'MW-02' OR [LOCID] = 'MW-03' OR [LOCID] = 'MW-08' OR [LOCID] = 'MW-09' OR [LOCID] LIKE 'SB-*' OR [LOCID] = 'SS-03' OR [LOCID] = 'SS-04' OR [LOCID] = 'SS-05') AND ([SED] = '0.167' OR [SED] = '0.5' OR [SED] = '1.5' OR [SED] = '2');

TABLE 4-10
STATISTICAL SUMMARY OF DETECTED ANALYTES IN SITE SHALLOW SOILS
COMMERCIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Semivolatile Organic Compounds										
Naphthalene	MG/KG	500	24	1	0.110	0.110	0.110	0	SS-04	0-0.5
Phenanthrene	MG/KG	500	24	2	0.120	0.230	0.175	0	SS-04	0-0.5
Pyrene	MG/KG	500	24	6	0.086	0.650	0.233	0	SS-04	0-0.5
Pesticide Organic Compounds										
4,4'-DDE	MG/KG	62	24	6	0.0010	0.010	0.003	0	SS-03	0-0.5
4,4'-DDT	MG/KG	47	24	10	0.0009	0.009	0.002	0	SS-03	0-0.5
beta-BHC	MG/KG	3	24	2	0.001	0.003	0.002	0	SB-01	0-0.5
Endosulfan II	MG/KG	200	24	1	0.002	0.002	0.002	0	SS-03	0-0.5
Methoxychlor	MG/KG	-	24	1	0.012	0.012	0.012	0	SS-03	0-0.5
Herbicides										
2,4,5-T	MG/KG	-	24	2	0.005	0.008	0.006	0	SS-03	0-0.5
2,4,5-TP (Silvex)	MG/KG	500	24	1	0.004	0.004	0.004	0	SB-06	0-0.5
2,4-D	MG/KG	-	24	1	0.008	0.008	0.008	0	SB-06	0-0.5
2,4-DB	MG/KG	-	24	8	0.008	0.130	0.033	0	SB-06	0-2
Dicamba	MG/KG	-	24	2	0.003	0.004	0.003	0	SS-05	0-0.5
Dinoseb	MG/KG	-	24	2	0.003	0.003	0.003	0	SS-04	0-0.5
Metals										
Aluminum	MG/KG	-	23	23	4,310	1.03E+04	6,696	0	SB-07	0-2

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

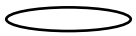

Concentration Exceeds Criteria

Only Detected Results Reported.

TABLE 4-10
STATISTICAL SUMMARY OF DETECTED ANALYTES IN SITE SHALLOW SOILS
COMMERCIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Metals										
Antimony	MG/KG	-	23	12	0.230	3.00	0.575	0	SS-03	0-0.5
Arsenic	MG/KG	16	23	23	0.950	13.70	2.74	0	SS-03	0-0.5
Barium	MG/KG	400	23	23	10.60	42.20	24.14	0	SS-03	0-0.5
Beryllium	MG/KG	590	23	21	0.140	0.410	0.249	0	SB-03	0-0.5
Calcium	MG/KG	-	23	23	838.0	8,340	2,196	0	SS-05	0-0.5
Chromium	MG/KG	1500	23	23	4.40	18.40	9.68	0	SB-07	0-2
Cobalt	MG/KG	-	23	22	2.20	7.10	4.20	0	SB-07	0-2
Copper	MG/KG	270	23	23	1.80	54.80	7.90	0	SS-03	0-0.5
Iron	MG/KG	-	23	23	5,730	2.61E+04	1.16E+04	0	SS-03	0-0.5
Lead	MG/KG	1000	23	23	5.50	89.10	23.25	0	SS-03	0-0.5
Magnesium	MG/KG	-	23	23	1,020	5,200	1,949	0	SS-05	0-0.5
Manganese	MG/KG	10000	23	23	83.10	314.0	152.6	0	SB-07	0-2
Mercury	MG/KG	2.8	23	14	0.018	0.075	0.037	0	SS-05	0-0.5
Nickel	MG/KG	310	23	21	2.80	14.80	6.71	0	SB-07	0-2
Potassium	MG/KG	-	23	13	31.20	815.0	496.9	0	SB-07	0-2
Selenium	MG/KG	1500	23	1	1.70	1.70	1.70	0	MW-09	0-2
Vanadium	MG/KG	-	23	23	8.30	22.10	15.07	0	SB-07	0-2
Zinc	MG/KG	10000	23	23	19.30	58.70	37.30	0	SB-07	0-2

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

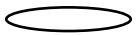

Concentration Exceeds Criteria

Only Detected Results Reported.

TABLE 4-11
STATISTICAL SUMMARY OF DETECTED ANALYTES IN SITE SHALLOW SOILS
SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Volatile Organic Compounds										
Acetone	MG/KG	-	23	1	0.006	0.006	0.006	0	SB-07	0-0.5
Methylene chloride	MG/KG	-	23	1	0.002	0.002	0.002	0	SB-02	0-2
Toluene	MG/KG	-	23	1	0.002	0.002	0.002	0	SB-07	0-0.5
Semivolatile Organic Compounds										
2-Methylnaphthalene	MG/KG	-	24	1	0.130	0.130	0.130	0	SS-04	0-0.5
Acenaphthylene	MG/KG	-	24	1	0.160	0.160	0.160	0	SS-04	0-0.5
Anthracene	MG/KG	-	24	1	0.077	0.077	0.077	0	SS-04	0-0.5
Benzaldehyde	MG/KG	-	24	1	0.120	0.120	0.120	0	SB-04	0-2
Benzo(a)anthracene	MG/KG	2.4	24	5	0.084	0.540	0.196	0	SS-04	0-0.5
Benzo(a)pyrene	MG/KG	3.5	24	5	0.120	0.640	0.242	0	SS-04	0-0.5
Benzo(b)fluoranthene	MG/KG	8	24	7	0.110	1.70	0.426	0	SS-04	0-0.5
Benzo(g,h,i)perylene	MG/KG	-	24	4	0.075	0.360	0.157	0	SS-04	0-0.5
Benzo(k)fluoranthene	MG/KG	1.7	24	3	0.078	0.490	0.223	0	SS-04	0-0.5
bis(2-Ethylhexyl)phthalate	MG/KG	-	24	1	0.084	0.084	0.084	0	SS-04	0-0.5
Carbazole	MG/KG	-	24	2	0.130	0.170	0.150	0	SS-04	0-0.5
Chrysene	MG/KG	4.2	24	6	0.076	0.830	0.247	0	SS-04	0-0.5
Dibenz(a,h)anthracene	MG/KG	0.56	24	1	0.140	0.140	0.140	0	SS-04	0-0.5
Fluoranthene	MG/KG	-	24	7	0.088	0.640	0.208	0	SS-04	0-0.5
Indeno(1,2,3-cd)pyrene	MG/KG	1.7	24	3	0.079	0.360	0.179	0	SS-04	0-0.5

*Criteria- Background shallow soil concentrations from sample locations SS-01, SS-02, SS-06, MW-01 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.


Concentration Exceeds Criteria

Only Detected Results Reported.

Advanced Selection: Site Shallow
J:\Projects\11176892\DB\Stat.mde
Printed: 12/18/2014 10:21:32 AM

WHERE [MATRIX] = 'SO' AND ([LOCID] = 'MW-02' OR [LOCID] = 'MW-03' OR [LOCID] = 'MW-08' OR [LOCID] = 'MW-09' OR [LOCID] LIKE 'SB-*' OR [LOCID] = 'SS-03' OR [LOCID] = 'SS-04' OR [LOCID] = 'SS-05') AND ([SED] = '0.167' OR [SED] = '0.5' OR [SED] = '1.5' OR [SED] = '2');

TABLE 4-11
STATISTICAL SUMMARY OF DETECTED ANALYTES IN SITE SHALLOW SOILS
SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Semivolatile Organic Compounds										
Naphthalene	MG/KG	-	24	1	0.110	0.110	0.110	0	SS-04	0-0.5
Phenanthrene	MG/KG	-	24	2	0.120	0.230	0.175	0	SS-04	0-0.5
Pyrene	MG/KG	-	24	6	0.086	0.650	0.233	0	SS-04	0-0.5
Pesticide Organic Compounds										
4,4'-DDE	MG/KG	-	24	6	0.0010	0.010	0.003	0	SS-03	0-0.5
4,4'-DDT	MG/KG	0.017	24	10	0.0009	0.009	0.002	0	SS-03	0-0.5
beta-BHC	MG/KG	-	24	2	0.001	0.003	0.002	0	SB-01	0-0.5
Endosulfan II	MG/KG	-	24	1	0.002	0.002	0.002	0	SS-03	0-0.5
Methoxychlor	MG/KG	-	24	1	0.012	0.012	0.012	0	SS-03	0-0.5
Herbicides										
2,4,5-T	MG/KG	-	24	2	0.005	0.008	0.006	0	SS-03	0-0.5
2,4,5-TP (Silvex)	MG/KG	-	24	1	0.004	0.004	0.004	0	SB-06	0-0.5
2,4-D	MG/KG	-	24	1	0.008	0.008	0.008	0	SB-06	0-0.5
2,4-DB	MG/KG	-	24	8	0.008	0.130	0.033	0	SB-06	0-2
Dicamba	MG/KG	-	24	2	0.003	0.004	0.003	0	SS-05	0-0.5
Dinoseb	MG/KG	-	24	2	0.003	0.003	0.003	0	SS-04	0-0.5
Metals										
Aluminum	MG/KG	-	23	23	4,310	1.03E+04	6,696	0	SB-07	0-2

*Criteria- Background shallow soil concentrations from sample locations SS-01, SS-02, SS-06, MW-01 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Concentration Exceeds Criteria

Only Detected Results Reported.

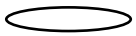
Advanced Selection: Site Shallow
J:\Projects\11176892\DB\Stat.mde
Printed: 12/18/2014 10:21:32 AM

WHERE [MATRIX] = 'SO' AND ([LOCID] = 'MW-02' OR [LOCID] = 'MW-03' OR [LOCID] = 'MW-08' OR [LOCID] = 'MW-09' OR [LOCID] LIKE 'SB-*' OR [LOCID] = 'SS-03' OR [LOCID] = 'SS-04' OR [LOCID] = 'SS-05') AND ([SED] = '0.167' OR [SED] = '0.5' OR [SED] = '1.5' OR [SED] = '2');

TABLE 4-11
STATISTICAL SUMMARY OF DETECTED ANALYTES IN SITE SHALLOW SOILS
SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Metals										
Antimony	MG/KG	-	23	12	0.230	3.00	0.575	0	SS-03	0-0.5
Arsenic	MG/KG	-	23	23	0.950	13.70	2.74	0	SS-03	0-0.5
Barium	MG/KG	-	23	23	10.60	42.20	24.14	0	SS-03	0-0.5
Beryllium	MG/KG	-	23	21	0.140	0.410	0.249	0	SB-03	0-0.5
Calcium	MG/KG	17900	23	23	838.0	8,340	2,196	0	SS-05	0-0.5
Chromium	MG/KG	281	23	23	4.40	18.40	9.68	0	SB-07	0-2
Cobalt	MG/KG	-	23	22	2.20	7.10	4.20	0	SB-07	0-2
Copper	MG/KG	64.2	23	23	1.80	54.80	7.90	0	SS-03	0-0.5
Iron	MG/KG	17500	23	23	5,730	2.61E+04	1.16E+04	2	SS-03	0-0.5
Lead	MG/KG	118	23	23	5.50	89.10	23.25	0	SS-03	0-0.5
Magnesium	MG/KG	-	23	23	1,020	5,200	1,949	0	SS-05	0-0.5
Manganese	MG/KG	-	23	23	83.10	314.0	152.6	0	SB-07	0-2
Mercury	MG/KG	0.2	23	14	0.018	0.075	0.037	0	SS-05	0-0.5
Nickel	MG/KG	-	23	21	2.80	14.80	6.71	0	SB-07	0-2
Potassium	MG/KG	-	23	13	31.20	815.0	496.9	0	SB-07	0-2
Selenium	MG/KG	-	23	1	1.70	1.70	1.70	0	MW-09	0-2
Vanadium	MG/KG	-	23	23	8.30	22.10	15.07	0	SB-07	0-2
Zinc	MG/KG	167	23	23	19.30	58.70	37.30	0	SB-07	0-2

*Criteria- Background shallow soil concentrations from sample locations SS-01, SS-02, SS-06, MW-01 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.


Concentration Exceeds Criteria

Only Detected Results Reported.

Advanced Selection: Site Shallow
J:\Projects\11176892\DB\Stat.mde
Printed: 12/18/2014 10:21:32 AM

WHERE [MATRIX] = 'SO' AND ([LOCID] = 'MW-02' OR [LOCID] = 'MW-03' OR [LOCID] = 'MW-08' OR [LOCID] = 'MW-09' OR [LOCID] LIKE 'SB-*' OR [LOCID] = 'SS-03' OR [LOCID] = 'SS-04' OR [LOCID] = 'SS-05') AND ([SED] = '0.167' OR [SED] = '0.5' OR [SED] = '1.5' OR [SED] = '2');

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					MW-02	MW-02	MW-02	MW-02	MW-02
Sample ID					MW-2 (2-4)	MW-2 (4-6)	MW-2 (6-8)	MW-2 (8-10)	MW-2 (10-12)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0	10.0-12.0
Date Sampled					05/14/13	05/14/13	05/14/13	05/14/13	05/14/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Volatile Organic Compounds									
4-Methyl-2-pentanone	MG/KG	1	1	-					NA
Acetone	MG/KG	0.05	0.05	100			0.047	0.030	NA
Carbon disulfide	MG/KG	2.7	2.7	100				0.0030 J	NA
Chlorobenzene	MG/KG	1.1	1.1	100			0.0010 J	0.0060 J	NA
Ethylbenzene	MG/KG	1	1	30					NA
Methyl ethyl ketone (2-Butanone)	MG/KG	0.12	0.12	-			0.013 J	0.0090 J	NA
Methylene chloride	MG/KG	0.05	0.05	51					NA
Toluene	MG/KG	0.7	0.7	100					NA
Vinyl chloride	MG/KG	0.02	0.02	0.21					NA
Xylene (total)	MG/KG	0.26	1.6	100				0.0020 J	NA
Semivolatile Organic Compounds									
1,1-Biphenyl	MG/KG	60	-	-					
2,4,5-Trichlorophenol	MG/KG	0.1	0.1	100					
2,4-Dichlorophenol	MG/KG	0.4	0.4	100					
2-Methylnaphthalene	MG/KG	0.41	36.4	0.41			0.47	0.44	0.31 J
2-Methylphenol (o-cresol)	MG/KG	0.33	0.33	100					
4-Methylphenol (p-cresol)	MG/KG	0.33	0.33	34			0.25	0.24 J	0.22 J
Acenaphthene	MG/KG	20	98	100			0.37 J	0.19 J	0.13 J
Acenaphthylene	MG/KG	100	107	100		0.073 J			
Acetophenone	MG/KG	-	-	-					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					MW-02	MW-02	MW-02	MW-02	MW-02
Sample ID					MW-2 (2-4)	MW-2 (4-6)	MW-2 (6-8)	MW-2 (8-10)	MW-2 (10-12)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0	10.0-12.0
Date Sampled					05/14/13	05/14/13	05/14/13	05/14/13	05/14/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Semivolatile Organic Compounds									
Anthracene	MG/KG	100	1000	100			0.29 J	0.20 J	0.11 J
Atrazine	MG/KG	-	-	-				0.28 J	0.28 J
Benzaldehyde	MG/KG	-	-	-					
Benzo(a)anthracene	MG/KG	1	1	1		0.42	0.37 J	0.47	0.29 J
Benzo(a)pyrene	MG/KG	1	22	1		0.41	0.24 J	0.39 J	0.21 J
Benzo(b)fluoranthene	MG/KG	1	1.7	1		0.74	0.43	0.72	0.41
Benzo(g,h,i)perylene	MG/KG	100	1000	100		0.22 J	0.096 J	0.17 J	0.10 J
Benzo(k)fluoranthene	MG/KG	0.8	1.7	1		0.35 J	0.18 J	0.20 J	0.14 J
bis(2-Ethylhexyl)phthalate	MG/KG	50	435	50			0.37 J	0.20 J	0.12 J
Butylbenzylphthalate	MG/KG	100	122	100		0.077 J		0.17 J	0.18 J
Carbazole	MG/KG	-	-	-		0.16 J	0.23 J	0.27 J	0.22 J
Chrysene	MG/KG	1	1	1		0.53	0.50	0.68	0.39 J
Dibenz(a,h)anthracene	MG/KG	0.33	1000	0.33		0.076 J			
Dibenzofuran	MG/KG	7	210	14			0.17 J	0.14 J	0.10 J
Di-n-octylphthalate	MG/KG	100	120	100					
Fluoranthene	MG/KG	100	1000	100		0.59	1.6	1.5	0.90
Fluorene	MG/KG	30	386	100			0.34 J	0.23 J	0.16 J
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	8.2	0.5		0.21 J	0.092 J	0.15 J	0.099 J
Isophorone	MG/KG	4.4	4.4	100					
Naphthalene	MG/KG	12	12	100			0.59	0.56	0.44

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

[MATRIX] = 'SO' AND ([LOCID] = 'MW-02' OR [LOCID] = 'MW-03' OR [LOCID] = 'MW-08' OR [LOCID] = 'MW-09' OR [LOCID] LIKE 'SB-*' OR [LOCID] = 'SS-03' OR [LOCID] = 'SS-04' OR [LOCID] = 'SS-05' OR [LOCID] = 'SS-06') AND NOT ([SED] = '0.167' OR [SED] = '0.5' OR [SED] = '1.5' OR [SED] = '2')

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					MW-02	MW-02	MW-02	MW-02	MW-02
Sample ID					MW-2 (2-4)	MW-2 (4-6)	MW-2 (6-8)	MW-2 (8-10)	MW-2 (10-12)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0	10.0-12.0
Date Sampled					05/14/13	05/14/13	05/14/13	05/14/13	05/14/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Semivolatile Organic Compounds									
Phenanthrene	MG/KG	100	1000	100		0.32 J	1.8	1.3	0.92
Phenol	MG/KG	0.33	0.33	100				0.13 J	0.11 J
Pyrene	MG/KG	100	1000	100		0.62	1.4	1.3	0.76
Pesticide Organic Compounds									
4,4'-DDD	MG/KG	0.0033	14	2.6		0.0071 NJ	0.0042 J	0.013 NJ	0.0088 NJ
4,4'-DDE	MG/KG	0.0033	17	1.8	0.00093 J	0.0066	0.0068	0.0068 J	0.0060 NJ
4,4'-DDT	MG/KG	0.0033	136	1.7		0.0056 J	0.0026 NJ	0.0023 NJ	
Aldrin	MG/KG	0.005	0.19	0.019					
alpha-BHC	MG/KG	0.02	0.02	0.097				0.0025 J	0.0050 NJ
alpha-Chlordane	MG/KG	0.094	2.9	0.91		0.0073	0.0017 J	0.016 J	0.012 J
beta-BHC	MG/KG	0.036	0.09	0.072					
delta-BHC	MG/KG	0.04	0.25	100				0.0012 NJ	0.0013 NJ
Dieldrin	MG/KG	0.005	0.1	0.039		0.0042 J		0.013 J	0.0098 J
Endosulfan I	MG/KG	2.4	102	4.8		0.0037			
Endosulfan II	MG/KG	2.4	102	4.8					
Endosulfan sulfate	MG/KG	2.4	1000	4.8					
Endrin	MG/KG	0.014	0.06	2.2					
Endrin aldehyde	MG/KG	-	-	-					
Endrin ketone	MG/KG	-	-	-					
gamma-BHC (Lindane)	MG/KG	0.1	0.1	0.28					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

[MATRIX] = 'SO' AND ([LOCID] = 'MW-02' OR [LOCID] = 'MW-03' OR [LOCID] = 'MW-08' OR [LOCID] = 'MW-09' OR [LOCID] LIKE 'SB-*' OR [LOCID] = 'SS-03' OR [LOCID] = 'SS-04' OR [LOCID] = 'SS-05' OR [LOCID] = 'SS-06') AND NOT ([SED] = '0.167' OR [SED] = '0.5' OR [SED] = '1.5' OR [SED] = '2')

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					MW-02	MW-02	MW-02	MW-02	MW-02
Sample ID					MW-2 (2-4)	MW-2 (4-6)	MW-2 (6-8)	MW-2 (8-10)	MW-2 (10-12)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0	10.0-12.0
Date Sampled					05/14/13	05/14/13	05/14/13	05/14/13	05/14/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Pesticide Organic Compounds									
gamma-Chlordane	MG/KG	0.54	14	0.54		0.0070 NJ			
Heptachlor	MG/KG	0.042	0.38	0.42					0.0015 NJ
Heptachlor epoxide	MG/KG	0.02	0.02	0.077					
Methoxychlor	MG/KG	1.2	900	100				0.016 J	0.013 J
Herbicides									
2,4,5-T	MG/KG	1.9	1.9	100					
2,4,5-TP (Silvex)	MG/KG	3.8	3.8	58					0.0032 J
2,4-D	MG/KG	0.5	0.5	100				0.01 J	0.0088 J
2,4-DB	MG/KG	-	-	-					
Dicamba	MG/KG	-	-	-					
Dinoseb	MG/KG	-	-	-					
Picrolam	MG/KG	-	-	-					
Metals									
Aluminum	MG/KG	10000	-	-	5,280	5,730	5,820	6,090	NA
Antimony	MG/KG	12	-	-					NA
Arsenic	MG/KG	13	16	16	1.1	1.9	1.8	3.0	NA
Barium	MG/KG	350	820	350	18.2 J	24.0	21.9 J	55.5	NA
Beryllium	MG/KG	7.2	47	14	0.18 J	0.27 J	0.25 J	0.24 J	NA
Cadmium	MG/KG	2.5	7.5	2.5					NA
Calcium	MG/KG	10000	-	-	1,610	1,430	1,620	27,500	NA

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					MW-02	MW-02	MW-02	MW-02	MW-02
Sample ID					MW-2 (2-4)	MW-2 (4-6)	MW-2 (6-8)	MW-2 (8-10)	MW-2 (10-12)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0	10.0-12.0
Date Sampled					05/14/13	05/14/13	05/14/13	05/14/13	05/14/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Metals									
Chromium	MG/KG	30	NS	36	6.2	7.1	8.8	73.5	NA
Cobalt	MG/KG	20	-	30	3.0 J	2.9 J	2.9 J	16.6	NA
Copper	MG/KG	50	1720	270	2.9 J	5.2 J	5.0 J	13.6 J	NA
Iron	MG/KG	2000	-	2000	8,100	8,890	8,670	18,100	NA
Lead	MG/KG	63	450	400	14.8	34.2	33.5	34.0	NA
Magnesium	MG/KG	-	-	-	1,330	1,350	1,370	8,410	NA
Manganese	MG/KG	1600	2000	2000	98.0	119	64.2	415	NA
Mercury	MG/KG	0.18	0.73	0.81	0.023 J	0.025 J	0.11 J	0.034 J	NA
Nickel	MG/KG	30	130	140	3.1 J	3.3 J	3.5 J	8.3	NA
Potassium	MG/KG	-	-	-				923 J	NA
Selenium	MG/KG	3.9	4	36				0.74 J	NA
Silver	MG/KG	2	8.3	36					NA
Sodium	MG/KG	-	-	-					NA
Thallium	MG/KG	5	-	-					NA
Vanadium	MG/KG	39	-	100	12.1	12.7	13.9	12.5	NA
Zinc	MG/KG	109	2480	2200	26.5	52.1	46.0	99.0	NA

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					MW-02	MW-02	MW-02	MW-02	MW-03
Sample ID					MW-2 (12-14)	MW-2 (14-16)	MW-2 (16-18)	MW-2 (18-20)	MW-3 (2-4)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					12.0-14.0	14.0-16.0	16.0-18.0	18.0-20.0	2.0-4.0
Date Sampled					05/14/13	05/14/13	05/14/13	05/14/13	05/14/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Volatile Organic Compounds									
4-Methyl-2-pentanone	MG/KG	1	1	-					
Acetone	MG/KG	0.05	0.05	100	0.065	0.019	0.010 J	0.0060 J	
Carbon disulfide	MG/KG	2.7	2.7	100					
Chlorobenzene	MG/KG	1.1	1.1	100		0.0020 J			
Ethylbenzene	MG/KG	1	1	30					
Methyl ethyl ketone (2-Butanone)	MG/KG	0.12	0.12	-	0.013 J				
Methylene chloride	MG/KG	0.05	0.05	51					
Toluene	MG/KG	0.7	0.7	100					
Vinyl chloride	MG/KG	0.02	0.02	0.21					
Xylene (total)	MG/KG	0.26	1.6	100					
Semivolatile Organic Compounds									
1,1-Biphenyl	MG/KG	60	-	-					
2,4,5-Trichlorophenol	MG/KG	0.1	0.1	100					
2,4-Dichlorophenol	MG/KG	0.4	0.4	100					
2-Methylnaphthalene	MG/KG	0.41	36.4	0.41					
2-Methylphenol (o-cresol)	MG/KG	0.33	0.33	100					
4-Methylphenol (p-cresol)	MG/KG	0.33	0.33	34					0.18 J
Acenaphthene	MG/KG	20	98	100					
Acenaphthylene	MG/KG	100	107	100					0.085 J
Acetophenone	MG/KG	-	-	-					0.11 J

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

[MATRIX] = 'SO' AND ([LOCID] = 'MW-02' OR [LOCID] = 'MW-03' OR [LOCID] = 'MW-08' OR [LOCID] = 'MW-09' OR [LOCID] LIKE 'SB-*' OR [LOCID] = 'SS-03' OR [LOCID] = 'SS-04' OR [LOCID] = 'SS-05' OR [LOCID] = 'SS-06') AND NOT ([SED] = '0.167' OR [SED] = '0.5' OR [SED] = '1.5' OR [SED] = '2')

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					MW-02	MW-02	MW-02	MW-02	MW-03
Sample ID					MW-2 (12-14)	MW-2 (14-16)	MW-2 (16-18)	MW-2 (18-20)	MW-3 (2-4)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					12.0-14.0	14.0-16.0	16.0-18.0	18.0-20.0	2.0-4.0
Date Sampled					05/14/13	05/14/13	05/14/13	05/14/13	05/14/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Semivolatile Organic Compounds									
Anthracene	MG/KG	100	1000	100					0.12 J
Atrazine	MG/KG	-	-	-					0.092 J
Benzaldehyde	MG/KG	-	-	-					0.16 J
Benzo(a)anthracene	MG/KG	1	1	1					0.22 J
Benzo(a)pyrene	MG/KG	1	22	1					0.17 J
Benzo(b)fluoranthene	MG/KG	1	1.7	1					0.21 J
Benzo(g,h,i)perylene	MG/KG	100	1000	100					0.097 J
Benzo(k)fluoranthene	MG/KG	0.8	1.7	1					0.11 J
bis(2-Ethylhexyl)phthalate	MG/KG	50	435	50					
Butylbenzylphthalate	MG/KG	100	122	100					
Carbazole	MG/KG	-	-	-					0.22 J
Chrysene	MG/KG	1	1	1					0.26 J
Dibenz(a,h)anthracene	MG/KG	0.33	1000	0.33					
Dibenzofuran	MG/KG	7	210	14					0.12 J
Di-n-octylphthalate	MG/KG	100	120	100					
Fluoranthene	MG/KG	100	1000	100					0.69
Fluorene	MG/KG	30	386	100					0.12 J
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	8.2	0.5					0.088 J
Isophorone	MG/KG	4.4	4.4	100					
Naphthalene	MG/KG	12	12	100					0.27 J

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

[MATRIX] = 'SO' AND ([LOCID] = 'MW-02' OR [LOCID] = 'MW-03' OR [LOCID] = 'MW-08' OR [LOCID] = 'MW-09' OR [LOCID] LIKE 'SB-*' OR [LOCID] = 'SS-03' OR [LOCID] = 'SS-04' OR [LOCID] = 'SS-05' OR [LOCID] = 'SS-06') AND NOT ([SED] = '0.167' OR [SED] = '0.5' OR [SED] = '1.5' OR [SED] = '2')

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					MW-02	MW-02	MW-02	MW-02	MW-03
Sample ID					MW-2 (12-14)	MW-2 (14-16)	MW-2 (16-18)	MW-2 (18-20)	MW-3 (2-4)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					12.0-14.0	14.0-16.0	16.0-18.0	18.0-20.0	2.0-4.0
Date Sampled					05/14/13	05/14/13	05/14/13	05/14/13	05/14/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Semivolatile Organic Compounds									
Phenanthrene	MG/KG	100	1000	100					0.72
Phenol	MG/KG	0.33	0.33	100					0.11 J
Pyrene	MG/KG	100	1000	100					0.54
Pesticide Organic Compounds									
4,4'-DDD	MG/KG	0.0033	14	2.6					
4,4'-DDE	MG/KG	0.0033	17	1.8					0.0035 J
4,4'-DDT	MG/KG	0.0033	136	1.7					0.0036 J
Aldrin	MG/KG	0.005	0.19	0.019					
alpha-BHC	MG/KG	0.02	0.02	0.097					
alpha-Chlordane	MG/KG	0.094	2.9	0.91					
beta-BHC	MG/KG	0.036	0.09	0.072					
delta-BHC	MG/KG	0.04	0.25	100					
Dieldrin	MG/KG	0.005	0.1	0.039					
Endosulfan I	MG/KG	2.4	102	4.8					
Endosulfan II	MG/KG	2.4	102	4.8					
Endosulfan sulfate	MG/KG	2.4	1000	4.8					
Endrin	MG/KG	0.014	0.06	2.2					
Endrin aldehyde	MG/KG	-	-	-					
Endrin ketone	MG/KG	-	-	-					
gamma-BHC (Lindane)	MG/KG	0.1	0.1	0.28					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

[MATRIX] = 'SO' AND ([LOCID] = 'MW-02' OR [LOCID] = 'MW-03' OR [LOCID] = 'MW-08' OR [LOCID] = 'MW-09' OR [LOCID] LIKE 'SB-*' OR [LOCID] = 'SS-03' OR [LOCID] = 'SS-04' OR [LOCID] = 'SS-05' OR [LOCID] = 'SS-06') AND NOT ([SED] = '0.167' OR [SED] = '0.5' OR [SED] = '1.5' OR [SED] = '2')

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					MW-02	MW-02	MW-02	MW-02	MW-03
Sample ID					MW-2 (12-14)	MW-2 (14-16)	MW-2 (16-18)	MW-2 (18-20)	MW-3 (2-4)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					12.0-14.0	14.0-16.0	16.0-18.0	18.0-20.0	2.0-4.0
Date Sampled					05/14/13	05/14/13	05/14/13	05/14/13	05/14/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Pesticide Organic Compounds									
gamma-Chlordane	MG/KG	0.54	14	0.54					
Heptachlor	MG/KG	0.042	0.38	0.42					
Heptachlor epoxide	MG/KG	0.02	0.02	0.077					
Methoxychlor	MG/KG	1.2	900	100					
Herbicides									
2,4,5-T	MG/KG	1.9	1.9	100					
2,4,5-TP (Silvex)	MG/KG	3.8	3.8	58					
2,4-D	MG/KG	0.5	0.5	100					
2,4-DB	MG/KG	-	-	-					
Dicamba	MG/KG	-	-	-					
Dinoseb	MG/KG	-	-	-					
Picrolam	MG/KG	-	-	-					
Metals									
Aluminum	MG/KG	10000	-	-	8,410	9,430	7,250	6,920	2,940
Antimony	MG/KG	12	-	-					
Arsenic	MG/KG	13	16	16	6.4	2.2	3.8	3.4	3.5
Barium	MG/KG	350	820	350	36.5	56.0	68.6	75.1	34.6
Beryllium	MG/KG	7.2	47	14	0.50 J	0.45 J	0.39 J	0.36 J	0.25 J
Cadmium	MG/KG	2.5	7.5	2.5					
Calcium	MG/KG	10000	-	-	3,570	11,400	36,300	30,400	1,670

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

[MATRIX] = 'SO' AND ([LOCID] = 'MW-02' OR [LOCID] = 'MW-03' OR [LOCID] = 'MW-08' OR [LOCID] = 'MW-09' OR [LOCID] LIKE 'SB-*' OR [LOCID] = 'SS-03' OR [LOCID] = 'SS-04' OR [LOCID] = 'SS-05' OR [LOCID] = 'SS-06') AND NOT ([SED] = '0.167' OR [SED] = '0.5' OR [SED] = '1.5' OR [SED] = '2')

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					MW-02	MW-02	MW-02	MW-02	MW-03
Sample ID					MW-2 (12-14)	MW-2 (14-16)	MW-2 (16-18)	MW-2 (18-20)	MW-3 (2-4)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					12.0-14.0	14.0-16.0	16.0-18.0	18.0-20.0	2.0-4.0
Date Sampled					05/14/13	05/14/13	05/14/13	05/14/13	05/14/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Metals									
Chromium	MG/KG	30	NS	36	18.8	16.5	16.4	16.4	6.3
Cobalt	MG/KG	20	-	30	10.0	8.9	8.5	7.8	5.9 J
Copper	MG/KG	50	1720	270	13.5 J	6.0 J	13.5 J	14.9 J	26.4
Iron	MG/KG	2000	-	2000	22,500	19,800	18,700	18,100	6,620
Lead	MG/KG	63	450	400	3.8 J	2.6 J	6.0 J	5.0	47.9
Magnesium	MG/KG	-	-	-	2,720	4,960	8,430	7,910	661
Manganese	MG/KG	1600	2000	2000	154	219	330	285	91.7 J
Mercury	MG/KG	0.18	0.73	0.81				0.027 J	0.033 J
Nickel	MG/KG	30	130	140	13.1	8.3	14.5	13.4	11.7
Potassium	MG/KG	-	-	-	1,350 J	1,400 J	1,500 J	1,450 J	
Selenium	MG/KG	3.9	4	36					0.51 J
Silver	MG/KG	2	8.3	36					
Sodium	MG/KG	-	-	-		688			
Thallium	MG/KG	5	-	-					
Vanadium	MG/KG	39	-	100	29.7	33.7	22.5	21.5	11.9
Zinc	MG/KG	109	2480	2200	45.5	43.6	47.2	45.4	47.3

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					MW-03	MW-03	MW-03	MW-03	MW-03
Sample ID					MW-3 (4-6)	MW-3 (6-8)	MW-3 (8-10)	MW-3 (10-12)	MW-3 (12-14)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					4.0-6.0	6.0-8.0	8.0-10.0	10.0-12.0	12.0-14.0
Date Sampled					05/14/13	05/14/13	05/14/13	05/14/13	05/14/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Volatile Organic Compounds									
4-Methyl-2-pentanone	MG/KG	1	1	-	NA	NA			
Acetone	MG/KG	0.05	0.05	100	NA	NA	0.060	0.051	0.040
Carbon disulfide	MG/KG	2.7	2.7	100	NA	NA			
Chlorobenzene	MG/KG	1.1	1.1	100	NA	NA			
Ethylbenzene	MG/KG	1	1	30	NA	NA			
Methyl ethyl ketone (2-Butanone)	MG/KG	0.12	0.12	-	NA	NA	0.014 J	0.013 J	0.0090 J
Methylene chloride	MG/KG	0.05	0.05	51	NA	NA			
Toluene	MG/KG	0.7	0.7	100	NA	NA			
Vinyl chloride	MG/KG	0.02	0.02	0.21	NA	NA			
Xylene (total)	MG/KG	0.26	1.6	100	NA	NA			
Semivolatile Organic Compounds									
1,1-Biphenyl	MG/KG	60	-	-					
2,4,5-Trichlorophenol	MG/KG	0.1	0.1	100					
2,4-Dichlorophenol	MG/KG	0.4	0.4	100					
2-Methylnaphthalene	MG/KG	0.41	36.4	0.41	0.11 J				
2-Methylphenol (o-cresol)	MG/KG	0.33	0.33	100					
4-Methylphenol (p-cresol)	MG/KG	0.33	0.33	34					
Acenaphthene	MG/KG	20	98	100	0.28 J			0.14 J	
Acenaphthylene	MG/KG	100	107	100	0.12 J		0.13 J		
Acetophenone	MG/KG	-	-	-	0.096 J				

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					MW-03	MW-03	MW-03	MW-03	MW-03
Sample ID					MW-3 (4-6)	MW-3 (6-8)	MW-3 (8-10)	MW-3 (10-12)	MW-3 (12-14)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					4.0-6.0	6.0-8.0	8.0-10.0	10.0-12.0	12.0-14.0
Date Sampled					05/14/13	05/14/13	05/14/13	05/14/13	05/14/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Semivolatile Organic Compounds									
Anthracene	MG/KG	100	1000	100	0.96		0.13 J	0.40	
Atrazine	MG/KG	-	-	-					
Benzaldehyde	MG/KG	-	-	-					
Benzo(a)anthracene	MG/KG	1	1	1	2.4		0.63	0.74	
Benzo(a)pyrene	MG/KG	1	22	1	1.9		0.53	0.56	
Benzo(b)fluoranthene	MG/KG	1	1.7	1	2.3		0.73	0.65	
Benzo(g,h,i)perylene	MG/KG	100	1000	100	0.87		0.30 J	0.33 J	
Benzo(k)fluoranthene	MG/KG	0.8	1.7	1	0.77		0.33 J	0.27 J	
bis(2-Ethylhexyl)phthalate	MG/KG	50	435	50	0.093 J			0.11 J	
Butylbenzylphthalate	MG/KG	100	122	100					
Carbazole	MG/KG	-	-	-	0.57		0.25 J	0.30 J	
Chrysene	MG/KG	1	1	1	2.2		0.74	0.75	
Dibenz(a,h)anthracene	MG/KG	0.33	1000	0.33	0.24		0.092 J	0.085 J	
Dibenzofuran	MG/KG	7	210	14	0.28 J			0.14 J	
Di-n-octylphthalate	MG/KG	100	120	100					
Fluoranthene	MG/KG	100	1000	100	5.3		1.6	1.8	
Fluorene	MG/KG	30	386	100	0.35 J		0.12 J	0.17 J	
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	8.2	0.5	0.73		0.28 J	0.27 J	
Isophorone	MG/KG	4.4	4.4	100					
Naphthalene	MG/KG	12	12	100	0.35 J			0.17 J	

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

[MATRIX] = 'SO' AND ([LOCID] = 'MW-02' OR [LOCID] = 'MW-03' OR [LOCID] = 'MW-08' OR [LOCID] = 'MW-09' OR [LOCID] LIKE 'SB-*' OR [LOCID] = 'SS-03' OR [LOCID] = 'SS-04' OR [LOCID] = 'SS-05' OR [LOCID] = 'SS-06') AND NOT ([SED] = '0.167' OR [SED] = '0.5' OR [SED] = '1.5' OR [SED] = '2')

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					MW-03	MW-03	MW-03	MW-03	MW-03
Sample ID					MW-3 (4-6)	MW-3 (6-8)	MW-3 (8-10)	MW-3 (10-12)	MW-3 (12-14)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					4.0-6.0	6.0-8.0	8.0-10.0	10.0-12.0	12.0-14.0
Date Sampled					05/14/13	05/14/13	05/14/13	05/14/13	05/14/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Semivolatile Organic Compounds									
Phenanthrene	MG/KG	100	1000	100	4.1		1.4	1.7	
Phenol	MG/KG	0.33	0.33	100					
Pyrene	MG/KG	100	1000	100	4.7		1.3	1.6	
Pesticide Organic Compounds									
4,4'-DDD	MG/KG	0.0033	14	2.6		0.0054 NJ			
4,4'-DDE	MG/KG	0.0033	17	1.8	0.0033	0.0058			
4,4'-DDT	MG/KG	0.0033	136	1.7	0.0047 NJ				
Aldrin	MG/KG	0.005	0.19	0.019					
alpha-BHC	MG/KG	0.02	0.02	0.097					
alpha-Chlordane	MG/KG	0.094	2.9	0.91					
beta-BHC	MG/KG	0.036	0.09	0.072			0.0015 J		
delta-BHC	MG/KG	0.04	0.25	100					
Dieldrin	MG/KG	0.005	0.1	0.039		0.0025 NJ			
Endosulfan I	MG/KG	2.4	102	4.8			0.0013 J		
Endosulfan II	MG/KG	2.4	102	4.8					
Endosulfan sulfate	MG/KG	2.4	1000	4.8					
Endrin	MG/KG	0.014	0.06	2.2					
Endrin aldehyde	MG/KG	-	-	-	0.0022 J				
Endrin ketone	MG/KG	-	-	-	0.0023 J				
gamma-BHC (Lindane)	MG/KG	0.1	0.1	0.28					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

[MATRIX] = 'SO' AND ([LOCID] = 'MW-02' OR [LOCID] = 'MW-03' OR [LOCID] = 'MW-08' OR [LOCID] = 'MW-09' OR [LOCID] LIKE 'SB-*' OR [LOCID] = 'SS-03' OR [LOCID] = 'SS-04' OR [LOCID] = 'SS-05' OR [LOCID] = 'SS-06') AND NOT ([SED] = '0.167' OR [SED] = '0.5' OR [SED] = '1.5' OR [SED] = '2')

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					MW-03	MW-03	MW-03	MW-03	MW-03
Sample ID					MW-3 (4-6)	MW-3 (6-8)	MW-3 (8-10)	MW-3 (10-12)	MW-3 (12-14)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					4.0-6.0	6.0-8.0	8.0-10.0	10.0-12.0	12.0-14.0
Date Sampled					05/14/13	05/14/13	05/14/13	05/14/13	05/14/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Pesticide Organic Compounds									
gamma-Chlordane	MG/KG	0.54	14	0.54					
Heptachlor	MG/KG	0.042	0.38	0.42					
Heptachlor epoxide	MG/KG	0.02	0.02	0.077					
Methoxychlor	MG/KG	1.2	900	100					
Herbicides									
2,4,5-T	MG/KG	1.9	1.9	100	0.003 NJ	0.0062 J	0.017 NJ		
2,4,5-TP (Silvex)	MG/KG	3.8	3.8	58		0.0077	0.03		
2,4-D	MG/KG	0.5	0.5	100		0.017	0.025		
2,4-DB	MG/KG	-	-	-					
Dicamba	MG/KG	-	-	-					
Dinoseb	MG/KG	-	-	-					
Picrolam	MG/KG	-	-	-					
Metals									
Aluminum	MG/KG	10000	-	-	NA	NA	7,030	10,700	9,180
Antimony	MG/KG	12	-	-	NA	NA			
Arsenic	MG/KG	13	16	16	NA	NA	6.4	1.5	2.4
Barium	MG/KG	350	820	350	NA	NA	59.5	62.9	38.2
Beryllium	MG/KG	7.2	47	14	NA	NA	0.37 J	0.56 J	0.62 J
Cadmium	MG/KG	2.5	7.5	2.5	NA	NA			
Calcium	MG/KG	10000	-	-	NA	NA	2,320	1,160	1,800

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					MW-03	MW-03	MW-03	MW-03	MW-03
Sample ID					MW-3 (4-6)	MW-3 (6-8)	MW-3 (8-10)	MW-3 (10-12)	MW-3 (12-14)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					4.0-6.0	6.0-8.0	8.0-10.0	10.0-12.0	12.0-14.0
Date Sampled					05/14/13	05/14/13	05/14/13	05/14/13	05/14/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Metals									
Chromium	MG/KG	30	NS	36	NA	NA	11.0	18.7	18.5
Cobalt	MG/KG	20	-	30	NA	NA	6.7	6.4	7.8
Copper	MG/KG	50	1720	270	NA	NA	25.1	5.7	14.6
Iron	MG/KG	2000	-	2000	NA	NA	13,900	19,600	17,300
Lead	MG/KG	63	450	400	NA	NA	521	3.8 J	5.3 J
Magnesium	MG/KG	-	-	-	NA	NA	1,650	2,450	3,930
Manganese	MG/KG	1600	2000	2000	NA	NA	74.0 J	162 J	131 J
Mercury	MG/KG	0.18	0.73	0.81	NA	NA	0.022 J		
Nickel	MG/KG	30	130	140	NA	NA	11.2	9.2	17.6
Potassium	MG/KG	-	-	-	NA	NA		924 J	1,190 J
Selenium	MG/KG	3.9	4	36	NA	NA	2.7 J		
Silver	MG/KG	2	8.3	36	NA	NA			
Sodium	MG/KG	-	-	-	NA	NA		155 J	
Thallium	MG/KG	5	-	-	NA	NA			
Vanadium	MG/KG	39	-	100	NA	NA	15.5	27.9	22.1
Zinc	MG/KG	109	2480	2200	NA	NA	174	44.2	59.1

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					MW-03	MW-03	MW-03	MW-09	MW-09
Sample ID					MW-3 (14-16)	MW-3 (16-18)	MW-3 (18-20)	MW-9 (2-4')	MW-9 (4-6')
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					14.0-16.0	16.0-18.0	18.0-20.0	2.0-4.0	4.0-6.0
Date Sampled					05/14/13	05/14/13	05/14/13	04/29/14	04/29/14
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Volatile Organic Compounds									
4-Methyl-2-pentanone	MG/KG	1	1	-					
Acetone	MG/KG	0.05	0.05	100	0.016	0.013			
Carbon disulfide	MG/KG	2.7	2.7	100					
Chlorobenzene	MG/KG	1.1	1.1	100					
Ethylbenzene	MG/KG	1	1	30					
Methyl ethyl ketone (2-Butanone)	MG/KG	0.12	0.12	-					
Methylene chloride	MG/KG	0.05	0.05	51					
Toluene	MG/KG	0.7	0.7	100					
Vinyl chloride	MG/KG	0.02	0.02	0.21					
Xylene (total)	MG/KG	0.26	1.6	100					
Semivolatile Organic Compounds									
1,1-Biphenyl	MG/KG	60	-	-					
2,4,5-Trichlorophenol	MG/KG	0.1	0.1	100					
2,4-Dichlorophenol	MG/KG	0.4	0.4	100					
2-Methylnaphthalene	MG/KG	0.41	36.4	0.41					
2-Methylphenol (o-cresol)	MG/KG	0.33	0.33	100					
4-Methylphenol (p-cresol)	MG/KG	0.33	0.33	34					
Acenaphthene	MG/KG	20	98	100					
Acenaphthylene	MG/KG	100	107	100					
Acetophenone	MG/KG	-	-	-					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					MW-03	MW-03	MW-03	MW-09	MW-09
Sample ID					MW-3 (14-16)	MW-3 (16-18)	MW-3 (18-20)	MW-9 (2-4')	MW-9 (4-6')
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					14.0-16.0	16.0-18.0	18.0-20.0	2.0-4.0	4.0-6.0
Date Sampled					05/14/13	05/14/13	05/14/13	04/29/14	04/29/14
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Semivolatile Organic Compounds									
Anthracene	MG/KG	100	1000	100					
Atrazine	MG/KG	-	-	-					
Benzaldehyde	MG/KG	-	-	-					
Benzo(a)anthracene	MG/KG	1	1	1					
Benzo(a)pyrene	MG/KG	1	22	1					
Benzo(b)fluoranthene	MG/KG	1	1.7	1					
Benzo(g,h,i)perylene	MG/KG	100	1000	100					
Benzo(k)fluoranthene	MG/KG	0.8	1.7	1					
bis(2-Ethylhexyl)phthalate	MG/KG	50	435	50					
Butylbenzylphthalate	MG/KG	100	122	100					
Carbazole	MG/KG	-	-	-					
Chrysene	MG/KG	1	1	1					
Dibenz(a,h)anthracene	MG/KG	0.33	1000	0.33					
Dibenzofuran	MG/KG	7	210	14					
Di-n-octylphthalate	MG/KG	100	120	100					
Fluoranthene	MG/KG	100	1000	100					
Fluorene	MG/KG	30	386	100					
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	8.2	0.5					
Isophorone	MG/KG	4.4	4.4	100					
Naphthalene	MG/KG	12	12	100					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					MW-03	MW-03	MW-03	MW-09	MW-09
Sample ID					MW-3 (14-16)	MW-3 (16-18)	MW-3 (18-20)	MW-9 (2-4')	MW-9 (4-6')
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					14.0-16.0	16.0-18.0	18.0-20.0	2.0-4.0	4.0-6.0
Date Sampled					05/14/13	05/14/13	05/14/13	04/29/14	04/29/14
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Semivolatile Organic Compounds									
Phenanthrene	MG/KG	100	1000	100					
Phenol	MG/KG	0.33	0.33	100					
Pyrene	MG/KG	100	1000	100				0.074 J	
Pesticide Organic Compounds									
4,4'-DDD	MG/KG	0.0033	14	2.6					
4,4'-DDE	MG/KG	0.0033	17	1.8					
4,4'-DDT	MG/KG	0.0033	136	1.7					
Aldrin	MG/KG	0.005	0.19	0.019					
alpha-BHC	MG/KG	0.02	0.02	0.097					
alpha-Chlordane	MG/KG	0.094	2.9	0.91					
beta-BHC	MG/KG	0.036	0.09	0.072					
delta-BHC	MG/KG	0.04	0.25	100					
Dieldrin	MG/KG	0.005	0.1	0.039					
Endosulfan I	MG/KG	2.4	102	4.8					
Endosulfan II	MG/KG	2.4	102	4.8					
Endosulfan sulfate	MG/KG	2.4	1000	4.8					
Endrin	MG/KG	0.014	0.06	2.2					
Endrin aldehyde	MG/KG	-	-	-					
Endrin ketone	MG/KG	-	-	-					
gamma-BHC (Lindane)	MG/KG	0.1	0.1	0.28					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

[MATRIX] = 'SO' AND ([LOCID] = 'MW-02' OR [LOCID] = 'MW-03' OR [LOCID] = 'MW-08' OR [LOCID] = 'MW-09' OR [LOCID] LIKE 'SB-*' OR [LOCID] = 'SS-03' OR [LOCID] = 'SS-04' OR [LOCID] = 'SS-05' OR [LOCID] = 'SS-06') AND NOT ([SED] = '0.167' OR [SED] = '0.5' OR [SED] = '1.5' OR [SED] = '2')

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					MW-03	MW-03	MW-03	MW-09	MW-09
Sample ID					MW-3 (14-16)	MW-3 (16-18)	MW-3 (18-20)	MW-9 (2-4')	MW-9 (4-6')
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					14.0-16.0	16.0-18.0	18.0-20.0	2.0-4.0	4.0-6.0
Date Sampled					05/14/13	05/14/13	05/14/13	04/29/14	04/29/14
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Pesticide Organic Compounds									
gamma-Chlordane	MG/KG	0.54	14	0.54					
Heptachlor	MG/KG	0.042	0.38	0.42					
Heptachlor epoxide	MG/KG	0.02	0.02	0.077					
Methoxychlor	MG/KG	1.2	900	100					
Herbicides									
2,4,5-T	MG/KG	1.9	1.9	100					
2,4,5-TP (Silvex)	MG/KG	3.8	3.8	58					
2,4-D	MG/KG	0.5	0.5	100	0.024 NJ				
2,4-DB	MG/KG	-	-	-					
Dicamba	MG/KG	-	-	-	0.0038 J				
Dinoseb	MG/KG	-	-	-					
Picrolam	MG/KG	-	-	-					
Metals									
Aluminum	MG/KG	10000	-	-	9,360	7,840	5,810	6,410	12,500
Antimony	MG/KG	12	-	-				0.36 J	0.35 J
Arsenic	MG/KG	13	16	16	1.7	1.7	3.4	2.6	5.5
Barium	MG/KG	350	820	350	67.0	66.0	68.2	35.3	71.6
Beryllium	MG/KG	7.2	47	14	0.51 J	0.46 J	0.32 J	0.20 J	0.54 J
Cadmium	MG/KG	2.5	7.5	2.5					
Calcium	MG/KG	10000	-	-	22,900	11,600	41,500	2,100	3,970

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					MW-03	MW-03	MW-03	MW-09	MW-09
Sample ID					MW-3 (14-16)	MW-3 (16-18)	MW-3 (18-20)	MW-9 (2-4')	MW-9 (4-6')
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					14.0-16.0	16.0-18.0	18.0-20.0	2.0-4.0	4.0-6.0
Date Sampled					05/14/13	05/14/13	05/14/13	04/29/14	04/29/14
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Metals									
Chromium	MG/KG	30	NS	36	15.1	12.5	12.1	7.6	16.7 J
Cobalt	MG/KG	20	-	30	8.2	7.5	7.1		10.2 J
Copper	MG/KG	50	1720	270	7.0	6.0	13.9	11.7	28.6
Iron	MG/KG	2000	-	2000	19,200	17,000	15,600	11,300	21,300 J
Lead	MG/KG	63	450	400			7.8	42.5	58.8 J
Magnesium	MG/KG	-	-	-	6,360	4,850	8,050	1,690	3,220 J
Manganese	MG/KG	1600	2000	2000	337 J	221 J	273 J	195	272 J
Mercury	MG/KG	0.18	0.73	0.81				0.10	0.070 J
Nickel	MG/KG	30	130	140	9.2	7.5	13.8	6.5	17.3
Potassium	MG/KG	-	-	-	1,310 J	962 J	914 J	667	1,270 J
Selenium	MG/KG	3.9	4	36				1.9	4.1
Silver	MG/KG	2	8.3	36					2.2
Sodium	MG/KG	-	-	-	565 J	552 J	196 J		
Thallium	MG/KG	5	-	-					
Vanadium	MG/KG	39	-	100	31.1	28.5	17.4	14.0	30.3
Zinc	MG/KG	109	2480	2200	47.4	41.2	39.2	37.4	81.8

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					MW-09	MW-09	MW-09	MW-09	MW-09
Sample ID					MW-9 (6-8')	MW-9 (8-10')	MW-9 (10-12')	MW-9 (12-14')	MW-9 DUP1
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					6.0-8.0	8.0-10.0	10.0-12.0	12.0-14.0	12.0-14.0
Date Sampled					04/29/14	04/29/14	04/29/14	04/29/14	04/29/14
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					Field Duplicate (1-1)
Volatile Organic Compounds									
4-Methyl-2-pentanone	MG/KG	1	1	-					
Acetone	MG/KG	0.05	0.05	100					
Carbon disulfide	MG/KG	2.7	2.7	100					
Chlorobenzene	MG/KG	1.1	1.1	100					
Ethylbenzene	MG/KG	1	1	30					
Methyl ethyl ketone (2-Butanone)	MG/KG	0.12	0.12	-			0.093 J	0.021 J	0.018 J
Methylene chloride	MG/KG	0.05	0.05	51					
Toluene	MG/KG	0.7	0.7	100					
Vinyl chloride	MG/KG	0.02	0.02	0.21					
Xylene (total)	MG/KG	0.26	1.6	100					
Semivolatile Organic Compounds									
1,1-Biphenyl	MG/KG	60	-	-					
2,4,5-Trichlorophenol	MG/KG	0.1	0.1	100					
2,4-Dichlorophenol	MG/KG	0.4	0.4	100					
2-Methylnaphthalene	MG/KG	0.41	36.4	0.41					
2-Methylphenol (o-cresol)	MG/KG	0.33	0.33	100					
4-Methylphenol (p-cresol)	MG/KG	0.33	0.33	34					
Acenaphthene	MG/KG	20	98	100					
Acenaphthylene	MG/KG	100	107	100					
Acetophenone	MG/KG	-	-	-					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					MW-09	MW-09	MW-09	MW-09	MW-09
Sample ID					MW-9 (6-8')	MW-9 (8-10')	MW-9 (10-12')	MW-9 (12-14')	MW-9 DUP1
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					6.0-8.0	8.0-10.0	10.0-12.0	12.0-14.0	12.0-14.0
Date Sampled					04/29/14	04/29/14	04/29/14	04/29/14	04/29/14
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					Field Duplicate (1-1)
Semivolatile Organic Compounds									
Anthracene	MG/KG	100	1000	100					
Atrazine	MG/KG	-	-	-					
Benzaldehyde	MG/KG	-	-	-				0.21 J	
Benzo(a)anthracene	MG/KG	1	1	1		0.12 J	0.20 J	0.21 J	
Benzo(a)pyrene	MG/KG	1	22	1		0.11 J	0.19 J	0.20 J	
Benzo(b)fluoranthene	MG/KG	1	1.7	1			0.24 J	0.21 J	
Benzo(g,h,i)perylene	MG/KG	100	1000	100			0.10 J		
Benzo(k)fluoranthene	MG/KG	0.8	1.7	1				0.11 J	
bis(2-Ethylhexyl)phthalate	MG/KG	50	435	50					
Butylbenzylphthalate	MG/KG	100	122	100					
Carbazole	MG/KG	-	-	-					
Chrysene	MG/KG	1	1	1		0.15 J	0.21 J	0.21 J	
Dibenz(a,h)anthracene	MG/KG	0.33	1000	0.33					
Dibenzofuran	MG/KG	7	210	14					
Di-n-octylphthalate	MG/KG	100	120	100					
Fluoranthene	MG/KG	100	1000	100		0.24 J	0.33 J	0.36 J	0.13 J
Fluorene	MG/KG	30	386	100					
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	8.2	0.5			0.10 J	0.097 J	
Isophorone	MG/KG	4.4	4.4	100					
Naphthalene	MG/KG	12	12	100					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					MW-09	MW-09	MW-09	MW-09	MW-09
Sample ID					MW-9 (6-8')	MW-9 (8-10')	MW-9 (10-12')	MW-9 (12-14')	MW-9 DUP1
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					6.0-8.0	8.0-10.0	10.0-12.0	12.0-14.0	12.0-14.0
Date Sampled					04/29/14	04/29/14	04/29/14	04/29/14	04/29/14
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					Field Duplicate (1-1)
Semivolatile Organic Compounds									
Phenanthrene	MG/KG	100	1000	100		0.10 J	0.096 J	0.091 J	
Phenol	MG/KG	0.33	0.33	100					
Pyrene	MG/KG	100	1000	100		0.27 J	0.33 J	0.35 J	0.13 J
Pesticide Organic Compounds									
4,4'-DDD	MG/KG	0.0033	14	2.6					
4,4'-DDE	MG/KG	0.0033	17	1.8					
4,4'-DDT	MG/KG	0.0033	136	1.7					
Aldrin	MG/KG	0.005	0.19	0.019					
alpha-BHC	MG/KG	0.02	0.02	0.097					
alpha-Chlordane	MG/KG	0.094	2.9	0.91					
beta-BHC	MG/KG	0.036	0.09	0.072					
delta-BHC	MG/KG	0.04	0.25	100					
Dieldrin	MG/KG	0.005	0.1	0.039					
Endosulfan I	MG/KG	2.4	102	4.8					
Endosulfan II	MG/KG	2.4	102	4.8					
Endosulfan sulfate	MG/KG	2.4	1000	4.8					
Endrin	MG/KG	0.014	0.06	2.2					
Endrin aldehyde	MG/KG	-	-	-					
Endrin ketone	MG/KG	-	-	-					
gamma-BHC (Lindane)	MG/KG	0.1	0.1	0.28					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

[MATRIX] = 'SO' AND ([LOCID] = 'MW-02' OR [LOCID] = 'MW-03' OR [LOCID] = 'MW-08' OR [LOCID] = 'MW-09' OR [LOCID] LIKE 'SB-*' OR [LOCID] = 'SS-03' OR [LOCID] = 'SS-04' OR [LOCID] = 'SS-05' OR [LOCID] = 'SS-06') AND NOT ([SED] = '0.167' OR [SED] = '0.5' OR [SED] = '1.5' OR [SED] = '2')

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					MW-09	MW-09	MW-09	MW-09	MW-09
Sample ID					MW-9 (6-8')	MW-9 (8-10')	MW-9 (10-12')	MW-9 (12-14')	MW-9 DUP1
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					6.0-8.0	8.0-10.0	10.0-12.0	12.0-14.0	12.0-14.0
Date Sampled					04/29/14	04/29/14	04/29/14	04/29/14	04/29/14
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					Field Duplicate (1-1)
Pesticide Organic Compounds									
gamma-Chlordane	MG/KG	0.54	14	0.54					
Heptachlor	MG/KG	0.042	0.38	0.42					
Heptachlor epoxide	MG/KG	0.02	0.02	0.077					
Methoxychlor	MG/KG	1.2	900	100					
Herbicides									
2,4,5-T	MG/KG	1.9	1.9	100					
2,4,5-TP (Silvex)	MG/KG	3.8	3.8	58		0.0079 J			
2,4-D	MG/KG	0.5	0.5	100					
2,4-DB	MG/KG	-	-	-			0.015 NJ	0.018 J	
Dicamba	MG/KG	-	-	-					
Dinoseb	MG/KG	-	-	-					
Picrolam	MG/KG	-	-	-					
Metals									
Aluminum	MG/KG	10000	-	-	8,370	7,170	7,570	8,600	5,380
Antimony	MG/KG	12	-	-	0.28 J	0.29 J			
Arsenic	MG/KG	13	16	16	3.8	7.2	7.4	4.9	6.0
Barium	MG/KG	350	820	350	47.2	284	126	90.9	41.0
Beryllium	MG/KG	7.2	47	14	0.36 J	0.47 J	0.36 J	0.34 J	0.19 J
Cadmium	MG/KG	2.5	7.5	2.5				1.3	
Calcium	MG/KG	10000	-	-	3,350	15,500	9,450	5,600 J	9,830 J

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					MW-09	MW-09	MW-09	MW-09	MW-09
Sample ID					MW-9 (6-8')	MW-9 (8-10')	MW-9 (10-12')	MW-9 (12-14')	MW-9 DUP1
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					6.0-8.0	8.0-10.0	10.0-12.0	12.0-14.0	12.0-14.0
Date Sampled					04/29/14	04/29/14	04/29/14	04/29/14	04/29/14
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					Field Duplicate (1-1)
Metals									
Chromium	MG/KG	30	NS	36	12.2	17.5	14.2	13.7	8.3
Cobalt	MG/KG	20	-	30	7.9		7.5	8.1	
Copper	MG/KG	50	1720	270	18.5	107	141	76.2 J	35.6 J
Iron	MG/KG	2000	-	2000	17,200	15,600	18,400	18,100	13,900
Lead	MG/KG	63	450	400	21.0	1,880	573	211	130
Magnesium	MG/KG	-	-	-	2,950	1,780	2,990	3,180	3,580
Manganese	MG/KG	1600	2000	2000	201	129	215	206 J	114 J
Mercury	MG/KG	0.18	0.73	0.81	0.056	0.51			0.032 J
Nickel	MG/KG	30	130	140	13.4	17.0	13.8	13.0	8.6
Potassium	MG/KG	-	-	-	1,220	862	1,010	1,220	
Selenium	MG/KG	3.9	4	36	3.1	5.4	4.8	3.8	2.8
Silver	MG/KG	2	8.3	36	1.8	1.7	2.2	2.0	1.5
Sodium	MG/KG	-	-	-					
Thallium	MG/KG	5	-	-					
Vanadium	MG/KG	39	-	100	22.7	19.7	20.5	23.5	16.9
Zinc	MG/KG	109	2480	2200	52.4	418	335	1,310 J	264 J

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					MW-09	SB-01	SB-01	SB-01	SB-01
Sample ID					MW-9 (14-16')	SB-1 (2-4)	SB-1 (4-6)	SB-1 (6-8)	SB-1 (8-10)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					14.0-16.0	2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0
Date Sampled					04/29/14	05/15/13	05/15/13	05/15/13	05/15/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Volatile Organic Compounds									
4-Methyl-2-pentanone	MG/KG	1	1	-					0.0060 J
Acetone	MG/KG	0.05	0.05	100					0.029 J
Carbon disulfide	MG/KG	2.7	2.7	100					
Chlorobenzene	MG/KG	1.1	1.1	100				0.0030 J	
Ethylbenzene	MG/KG	1	1	30					0.0030 J
Methyl ethyl ketone (2-Butanone)	MG/KG	0.12	0.12	-	0.015 J				0.0070 J
Methylene chloride	MG/KG	0.05	0.05	51					
Toluene	MG/KG	0.7	0.7	100					
Vinyl chloride	MG/KG	0.02	0.02	0.21					
Xylene (total)	MG/KG	0.26	1.6	100					0.0030 J
Semivolatile Organic Compounds									
1,1-Biphenyl	MG/KG	60	-	-				0.092 J	
2,4,5-Trichlorophenol	MG/KG	0.1	0.1	100					0.46 J
2,4-Dichlorophenol	MG/KG	0.4	0.4	100				0.92	1.4
2-Methylnaphthalene	MG/KG	0.41	36.4	0.41				0.42 J	
2-Methylphenol (o-cresol)	MG/KG	0.33	0.33	100				0.12 J	
4-Methylphenol (p-cresol)	MG/KG	0.33	0.33	34				2.2	
Acenaphthene	MG/KG	20	98	100				0.12 J	
Acenaphthylene	MG/KG	100	107	100				0.13 J	
Acetophenone	MG/KG	-	-	-				0.12 J	

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

[MATRIX] = 'SO' AND ([LOCID] = 'MW-02' OR [LOCID] = 'MW-03' OR [LOCID] = 'MW-08' OR [LOCID] = 'MW-09' OR [LOCID] LIKE 'SB-*' OR [LOCID] = 'SS-03' OR [LOCID] = 'SS-04' OR [LOCID] = 'SS-05' OR [LOCID] = 'SS-06') AND NOT ([SED] = '0.167' OR [SED] = '0.5' OR [SED] = '1.5' OR [SED] = '2')

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					MW-09	SB-01	SB-01	SB-01	SB-01
Sample ID					MW-9 (14-16')	SB-1 (2-4)	SB-1 (4-6)	SB-1 (6-8)	SB-1 (8-10)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					14.0-16.0	2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0
Date Sampled					04/29/14	05/15/13	05/15/13	05/15/13	05/15/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Semivolatile Organic Compounds									
Anthracene	MG/KG	100	1000	100				0.35 J	
Atrazine	MG/KG	-	-	-				0.31 J	
Benzaldehyde	MG/KG	-	-	-				0.21 J	
Benzo(a)anthracene	MG/KG	1	1	1				0.82	
Benzo(a)pyrene	MG/KG	1	22	1				0.81	
Benzo(b)fluoranthene	MG/KG	1	1.7	1		0.099 J		1.5	
Benzo(g,h,i)perylene	MG/KG	100	1000	100				0.48	
Benzo(k)fluoranthene	MG/KG	0.8	1.7	1				0.60	
bis(2-Ethylhexyl)phthalate	MG/KG	50	435	50				2.0	
Butylbenzylphthalate	MG/KG	100	122	100				1.1	
Carbazole	MG/KG	-	-	-				0.34 J	0.15 J
Chrysene	MG/KG	1	1	1		0.076 J		1.2	
Dibenz(a,h)anthracene	MG/KG	0.33	1000	0.33				0.13 J	
Dibenzofuran	MG/KG	7	210	14				0.15 J	
Di-n-octylphthalate	MG/KG	100	120	100				0.29 J	
Fluoranthene	MG/KG	100	1000	100				2.8	
Fluorene	MG/KG	30	386	100				0.28 J	
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	8.2	0.5				0.42 J	
Isophorone	MG/KG	4.4	4.4	100				0.10 J	0.66
Naphthalene	MG/KG	12	12	100				0.66	0.15 J

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					MW-09	SB-01	SB-01	SB-01	SB-01
Sample ID					MW-9 (14-16')	SB-1 (2-4)	SB-1 (4-6)	SB-1 (6-8)	SB-1 (8-10)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					14.0-16.0	2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0
Date Sampled					04/29/14	05/15/13	05/15/13	05/15/13	05/15/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Semivolatile Organic Compounds									
Phenanthrene	MG/KG	100	1000	100				1.9	
Phenol	MG/KG	0.33	0.33	100				0.57	
Pyrene	MG/KG	100	1000	100				2.7	
Pesticide Organic Compounds									
4,4'-DDD	MG/KG	0.0033	14	2.6				0.046 J	
4,4'-DDE	MG/KG	0.0033	17	1.8		0.0010 J	0.0089	2.4 D	0.019
4,4'-DDT	MG/KG	0.0033	136	1.7		0.0015 J	0.0079	0.14 D	
Aldrin	MG/KG	0.005	0.19	0.019					
alpha-BHC	MG/KG	0.02	0.02	0.097					
alpha-Chlordane	MG/KG	0.094	2.9	0.91				0.12 D	
beta-BHC	MG/KG	0.036	0.09	0.072					
delta-BHC	MG/KG	0.04	0.25	100					
Dieldrin	MG/KG	0.005	0.1	0.039				0.018 NJ	
Endosulfan I	MG/KG	2.4	102	4.8				0.045 NJ	0.0014 NJ
Endosulfan II	MG/KG	2.4	102	4.8					
Endosulfan sulfate	MG/KG	2.4	1000	4.8					
Endrin	MG/KG	0.014	0.06	2.2				0.0029 NJ	
Endrin aldehyde	MG/KG	-	-	-					
Endrin ketone	MG/KG	-	-	-					0.0037 NJ
gamma-BHC (Lindane)	MG/KG	0.1	0.1	0.28					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

[MATRIX] = 'SO' AND ([LOCID] = 'MW-02' OR [LOCID] = 'MW-03' OR [LOCID] = 'MW-08' OR [LOCID] = 'MW-09' OR [LOCID] LIKE 'SB-*' OR [LOCID] = 'SS-03' OR [LOCID] = 'SS-04' OR [LOCID] = 'SS-05' OR [LOCID] = 'SS-06') AND NOT ([SED] = '0.167' OR [SED] = '0.5' OR [SED] = '1.5' OR [SED] = '2')

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					MW-09	SB-01	SB-01	SB-01	SB-01
Sample ID					MW-9 (14-16')	SB-1 (2-4)	SB-1 (4-6)	SB-1 (6-8)	SB-1 (8-10)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					14.0-16.0	2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0
Date Sampled					04/29/14	05/15/13	05/15/13	05/15/13	05/15/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Pesticide Organic Compounds									
gamma-Chlordane	MG/KG	0.54	14	0.54				0.078 DNJ	
Heptachlor	MG/KG	0.042	0.38	0.42				0.0012 NJ	
Heptachlor epoxide	MG/KG	0.02	0.02	0.077					
Methoxychlor	MG/KG	1.2	900	100				0.13	
Herbicides									
2,4,5-T	MG/KG	1.9	1.9	100				0.0058 J	
2,4,5-TP (Silvex)	MG/KG	3.8	3.8	58	0.0054 J			0.049	0.048
2,4-D	MG/KG	0.5	0.5	100				0.81 J	
2,4-DB	MG/KG	-	-	-					
Dicamba	MG/KG	-	-	-				0.16	0.022 J
Dinoseb	MG/KG	-	-	-					
Picrolam	MG/KG	-	-	-					
Metals									
Aluminum	MG/KG	10000	-	-	12,200	6,250	5,840	5,020	6,030
Antimony	MG/KG	12	-	-	0.45 J				
Arsenic	MG/KG	13	16	16	2.0	2.2	1.1 J	5.8	2.5
Barium	MG/KG	350	820	350	76.9	29.8	18.1 J	120	47.1
Beryllium	MG/KG	7.2	47	14	0.22 J	0.20 J	0.18 J	0.29 J	0.29 J
Cadmium	MG/KG	2.5	7.5	2.5					
Calcium	MG/KG	10000	-	-	5,580	1,090	777	13,000	7,050

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					MW-09	SB-01	SB-01	SB-01	SB-01
Sample ID					MW-9 (14-16')	SB-1 (2-4)	SB-1 (4-6)	SB-1 (6-8)	SB-1 (8-10)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					14.0-16.0	2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0
Date Sampled					04/29/14	05/15/13	05/15/13	05/15/13	05/15/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Metals									
Chromium	MG/KG	30	NS	36	15.8	5.8	4.8	36.9	8.9
Cobalt	MG/KG	20	-	30	12.7	2.4 J	2.8 J	4.4 J	5.0 J
Copper	MG/KG	50	1720	270	17.5	6.0	4.5	72.2	12.9
Iron	MG/KG	2000	-	2000	26,100	6,650	6,390	41,700	9,570
Lead	MG/KG	63	450	400	10.0	45.0	11.6	660	31.0
Magnesium	MG/KG	-	-	-	4,440	904	1,100	4,440	1,560
Manganese	MG/KG	1600	2000	2000	219	143 J	65.1 J	305 J	67.2 J
Mercury	MG/KG	0.18	0.73	0.81		0.097	0.026 J		0.28
Nickel	MG/KG	30	130	140	11.9		4.4	9.6	8.2
Potassium	MG/KG	-	-	-	1,990	14.3 J	108 J	291 J	326 J
Selenium	MG/KG	3.9	4	36	4.7				
Silver	MG/KG	2	8.3	36	2.5				
Sodium	MG/KG	-	-	-	737			415 J	
Thallium	MG/KG	5	-	-					
Vanadium	MG/KG	39	-	100	40.4	8.8	8.5	24.7	13.2
Zinc	MG/KG	109	2480	2200	64.6	41.6	22.2	5,250	59.9

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

[MATRIX] = 'SO' AND ([LOCID] = 'MW-02' OR [LOCID] = 'MW-03' OR [LOCID] = 'MW-08' OR [LOCID] = 'MW-09' OR [LOCID] LIKE 'SB-*' OR [LOCID] = 'SS-03' OR [LOCID] = 'SS-04' OR [LOCID] = 'SS-05' OR [LOCID] = 'SS-06') AND NOT ([SED] = '0.167' OR [SED] = '0.5' OR [SED] = '1.5' OR [SED] = '2')

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-01	SB-01	SB-01	SB-01	SB-01
Sample ID					SB-1 (10-12)	SB-1 (12-14)	SB-1 (14-16)	SB-1 (16-18)	SB-1 (18-20)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					10.0-12.0	12.0-14.0	14.0-16.0	16.0-18.0	18.0-20.0
Date Sampled					05/15/13	05/15/13	05/15/13	05/15/13	05/15/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Volatile Organic Compounds									
4-Methyl-2-pentanone	MG/KG	1	1	-		NA			
Acetone	MG/KG	0.05	0.05	100	0.048 J	NA	0.012 J	0.013 J	
Carbon disulfide	MG/KG	2.7	2.7	100		NA			
Chlorobenzene	MG/KG	1.1	1.1	100		NA			
Ethylbenzene	MG/KG	1	1	30		NA			
Methyl ethyl ketone (2-Butanone)	MG/KG	0.12	0.12	-	0.013 J	NA			
Methylene chloride	MG/KG	0.05	0.05	51		NA			0.0030 J
Toluene	MG/KG	0.7	0.7	100		NA			
Vinyl chloride	MG/KG	0.02	0.02	0.21		NA		0.0010 J	
Xylene (total)	MG/KG	0.26	1.6	100		NA		0.0030 J	
Semivolatile Organic Compounds									
1,1-Biphenyl	MG/KG	60	-	-					
2,4,5-Trichlorophenol	MG/KG	0.1	0.1	100					
2,4-Dichlorophenol	MG/KG	0.4	0.4	100			0.32 J	0.45	0.17 J
2-Methylnaphthalene	MG/KG	0.41	36.4	0.41					
2-Methylphenol (o-cresol)	MG/KG	0.33	0.33	100					
4-Methylphenol (p-cresol)	MG/KG	0.33	0.33	34					
Acenaphthene	MG/KG	20	98	100					
Acenaphthylene	MG/KG	100	107	100					
Acetophenone	MG/KG	-	-	-					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-01	SB-01	SB-01	SB-01	SB-01
Sample ID					SB-1 (10-12)	SB-1 (12-14)	SB-1 (14-16)	SB-1 (16-18)	SB-1 (18-20)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					10.0-12.0	12.0-14.0	14.0-16.0	16.0-18.0	18.0-20.0
Date Sampled					05/15/13	05/15/13	05/15/13	05/15/13	05/15/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Semivolatile Organic Compounds									
Anthracene	MG/KG	100	1000	100					
Atrazine	MG/KG	-	-	-					
Benzaldehyde	MG/KG	-	-	-					
Benzo(a)anthracene	MG/KG	1	1	1					
Benzo(a)pyrene	MG/KG	1	22	1					
Benzo(b)fluoranthene	MG/KG	1	1.7	1					
Benzo(g,h,i)perylene	MG/KG	100	1000	100					
Benzo(k)fluoranthene	MG/KG	0.8	1.7	1					
bis(2-Ethylhexyl)phthalate	MG/KG	50	435	50					
Butylbenzylphthalate	MG/KG	100	122	100					
Carbazole	MG/KG	-	-	-					
Chrysene	MG/KG	1	1	1					
Dibenz(a,h)anthracene	MG/KG	0.33	1000	0.33					
Dibenzofuran	MG/KG	7	210	14					
Di-n-octylphthalate	MG/KG	100	120	100					
Fluoranthene	MG/KG	100	1000	100					
Fluorene	MG/KG	30	386	100					
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	8.2	0.5					
Isophorone	MG/KG	4.4	4.4	100				0.19 J	
Naphthalene	MG/KG	12	12	100				0.087 J	

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-01	SB-01	SB-01	SB-01	SB-01
Sample ID					SB-1 (10-12)	SB-1 (12-14)	SB-1 (14-16)	SB-1 (16-18)	SB-1 (18-20)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					10.0-12.0	12.0-14.0	14.0-16.0	16.0-18.0	18.0-20.0
Date Sampled					05/15/13	05/15/13	05/15/13	05/15/13	05/15/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Semivolatile Organic Compounds									
Phenanthrene	MG/KG	100	1000	100					
Phenol	MG/KG	0.33	0.33	100					
Pyrene	MG/KG	100	1000	100					
Pesticide Organic Compounds									
4,4'-DDD	MG/KG	0.0033	14	2.6					0.0022 NJ
4,4'-DDE	MG/KG	0.0033	17	1.8	0.0018 NJ	0.014		0.0023 J	0.056
4,4'-DDT	MG/KG	0.0033	136	1.7					
Aldrin	MG/KG	0.005	0.19	0.019					
alpha-BHC	MG/KG	0.02	0.02	0.097					0.0022 NJ
alpha-Chlordane	MG/KG	0.094	2.9	0.91					
beta-BHC	MG/KG	0.036	0.09	0.072					
delta-BHC	MG/KG	0.04	0.25	100					
Dieldrin	MG/KG	0.005	0.1	0.039					0.0020 J
Endosulfan I	MG/KG	2.4	102	4.8					0.0028 NJ
Endosulfan II	MG/KG	2.4	102	4.8					
Endosulfan sulfate	MG/KG	2.4	1000	4.8					
Endrin	MG/KG	0.014	0.06	2.2					0.0052 NJ
Endrin aldehyde	MG/KG	-	-	-					
Endrin ketone	MG/KG	-	-	-					
gamma-BHC (Lindane)	MG/KG	0.1	0.1	0.28					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-01	SB-01	SB-01	SB-01	SB-01
Sample ID					SB-1 (10-12)	SB-1 (12-14)	SB-1 (14-16)	SB-1 (16-18)	SB-1 (18-20)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					10.0-12.0	12.0-14.0	14.0-16.0	16.0-18.0	18.0-20.0
Date Sampled					05/15/13	05/15/13	05/15/13	05/15/13	05/15/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Pesticide Organic Compounds									
gamma-Chlordane	MG/KG	0.54	14	0.54					
Heptachlor	MG/KG	0.042	0.38	0.42					
Heptachlor epoxide	MG/KG	0.02	0.02	0.077					
Methoxychlor	MG/KG	1.2	900	100					
Herbicides									
2,4,5-T	MG/KG	1.9	1.9	100					
2,4,5-TP (Silvex)	MG/KG	3.8	3.8	58			0.079	0.053	0.11
2,4-D	MG/KG	0.5	0.5	100				0.41	0.1 J
2,4-DB	MG/KG	-	-	-					
Dicamba	MG/KG	-	-	-	0.021				0.021
Dinoseb	MG/KG	-	-	-					
Picrolam	MG/KG	-	-	-					
Metals									
Aluminum	MG/KG	10000	-	-	6,960	NA	10,100	3,700	9,530
Antimony	MG/KG	12	-	-		NA			0.64 J
Arsenic	MG/KG	13	16	16	1.9	NA	2.6	4.2	7.7
Barium	MG/KG	350	820	350	31.9	NA	119	42.4	56.4
Beryllium	MG/KG	7.2	47	14	0.35 J	NA	0.57 J	0.20 J	0.54 J
Cadmium	MG/KG	2.5	7.5	2.5		NA			2.4
Calcium	MG/KG	10000	-	-	1,540	NA	10,500	64,300	19,800

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

[MATRIX] = 'SO' AND ([LOCID] = 'MW-02' OR [LOCID] = 'MW-03' OR [LOCID] = 'MW-08' OR [LOCID] = 'MW-09' OR [LOCID] LIKE 'SB-*' OR [LOCID] = 'SS-03' OR [LOCID] = 'SS-04' OR [LOCID] = 'SS-05' OR [LOCID] = 'SS-06') AND NOT ([SED] = '0.167' OR [SED] = '0.5' OR [SED] = '1.5' OR [SED] = '2')

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-01	SB-01	SB-01	SB-01	SB-01
Sample ID					SB-1 (10-12)	SB-1 (12-14)	SB-1 (14-16)	SB-1 (16-18)	SB-1 (18-20)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					10.0-12.0	12.0-14.0	14.0-16.0	16.0-18.0	18.0-20.0
Date Sampled					05/15/13	05/15/13	05/15/13	05/15/13	05/15/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Metals									
Chromium	MG/KG	30	NS	36	10.2	NA	16.1	8.8	24.7
Cobalt	MG/KG	20	-	30	4.8 J	NA	9.9	6.8	11.9
Copper	MG/KG	50	1720	270	4.3	NA	9.6	10.4	27.7 J
Iron	MG/KG	2000	-	2000	10,600	NA	19,700	11,400	
Lead	MG/KG	63	450	400	10.3	NA	0.52	2.4	17.3
Magnesium	MG/KG	-	-	-	1,440	NA	6,320	25,800	9,270
Manganese	MG/KG	1600	2000	2000	56.7 J	NA	273 J	240 J	385
Mercury	MG/KG	0.18	0.73	0.81		NA			
Nickel	MG/KG	30	130	140	6.2	NA	11.1	11.4	27.7
Potassium	MG/KG	-	-	-	220 J	NA	1,300	773	1,810 J
Selenium	MG/KG	3.9	4	36		NA			
Silver	MG/KG	2	8.3	36		NA			
Sodium	MG/KG	-	-	-		NA	499 J		
Thallium	MG/KG	5	-	-		NA		0.21 J	0.33 J
Vanadium	MG/KG	39	-	100	15.1	NA	32.8	10.9	19.8
Zinc	MG/KG	109	2480	2200	23.3	NA	52.3	32.8	69.3

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-01	SB-02	SB-02	SB-02	SB-02
Sample ID					SB-1 (20-22)	SB-2 (2-4)	SB-2 (4-6)	SB-2 (6-8)	SB-2 (8-10)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					20.0-22.0	2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0
Date Sampled					05/15/13	05/15/13	05/15/13	05/15/13	05/15/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Volatile Organic Compounds									
4-Methyl-2-pentanone	MG/KG	1	1	-					
Acetone	MG/KG	0.05	0.05	100				0.17 J	0.043 J
Carbon disulfide	MG/KG	2.7	2.7	100					
Chlorobenzene	MG/KG	1.1	1.1	100					
Ethylbenzene	MG/KG	1	1	30					
Methyl ethyl ketone (2-Butanone)	MG/KG	0.12	0.12	-				0.041 J	0.012 J
Methylene chloride	MG/KG	0.05	0.05	51	0.0040 J	0.0040 J			
Toluene	MG/KG	0.7	0.7	100				0.0010 J	
Vinyl chloride	MG/KG	0.02	0.02	0.21					
Xylene (total)	MG/KG	0.26	1.6	100					
Semivolatile Organic Compounds									
1,1-Biphenyl	MG/KG	60	-	-					
2,4,5-Trichlorophenol	MG/KG	0.1	0.1	100					
2,4-Dichlorophenol	MG/KG	0.4	0.4	100	0.099 J				0.093 J
2-Methylnaphthalene	MG/KG	0.41	36.4	0.41					0.12 J
2-Methylphenol (o-cresol)	MG/KG	0.33	0.33	100					
4-Methylphenol (p-cresol)	MG/KG	0.33	0.33	34					1.1
Acenaphthene	MG/KG	20	98	100					0.12 J
Acenaphthylene	MG/KG	100	107	100					
Acetophenone	MG/KG	-	-	-					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-01	SB-02	SB-02	SB-02	SB-02
Sample ID					SB-1 (20-22)	SB-2 (2-4)	SB-2 (4-6)	SB-2 (6-8)	SB-2 (8-10)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					20.0-22.0	2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0
Date Sampled					05/15/13	05/15/13	05/15/13	05/15/13	05/15/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Semivolatile Organic Compounds									
Anthracene	MG/KG	100	1000	100					0.48
Atrazine	MG/KG	-	-	-					
Benzaldehyde	MG/KG	-	-	-				0.095 J	
Benzo(a)anthracene	MG/KG	1	1	1				0.12 J	1.1
Benzo(a)pyrene	MG/KG	1	22	1				0.12 J	0.81
Benzo(b)fluoranthene	MG/KG	1	1.7	1				0.21 J	1.1
Benzo(g,h,i)perylene	MG/KG	100	1000	100					0.34 J
Benzo(k)fluoranthene	MG/KG	0.8	1.7	1					0.36 J
bis(2-Ethylhexyl)phthalate	MG/KG	50	435	50					0.12 J
Butylbenzylphthalate	MG/KG	100	122	100					
Carbazole	MG/KG	-	-	-				0.18 J	0.38 J
Chrysene	MG/KG	1	1	1				0.16 J	0.98
Dibenz(a,h)anthracene	MG/KG	0.33	1000	0.33					0.11 J
Dibenzofuran	MG/KG	7	210	14					0.14 J
Di-n-octylphthalate	MG/KG	100	120	100					
Fluoranthene	MG/KG	100	1000	100				0.27 J	2.4
Fluorene	MG/KG	30	386	100					0.20 J
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	8.2	0.5					0.32 J
Isophorone	MG/KG	4.4	4.4	100	0.14 J				
Naphthalene	MG/KG	12	12	100					0.62

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-01	SB-02	SB-02	SB-02	SB-02
Sample ID					SB-1 (20-22)	SB-2 (2-4)	SB-2 (4-6)	SB-2 (6-8)	SB-2 (8-10)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					20.0-22.0	2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0
Date Sampled					05/15/13	05/15/13	05/15/13	05/15/13	05/15/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Semivolatile Organic Compounds									
Phenanthrene	MG/KG	100	1000	100				0.18 J	1.8
Phenol	MG/KG	0.33	0.33	100					0.12 J
Pyrene	MG/KG	100	1000	100				0.24 J	2.1
Pesticide Organic Compounds									
4,4'-DDD	MG/KG	0.0033	14	2.6		0.0057 NJ	0.0039 NJ	0.0096	0.014 NJ
4,4'-DDE	MG/KG	0.0033	17	1.8	0.0095	0.0095	0.0034 J	0.0096	0.012
4,4'-DDT	MG/KG	0.0033	136	1.7		0.073 D	0.0014 J	0.0014 NJ	
Aldrin	MG/KG	0.005	0.19	0.019					
alpha-BHC	MG/KG	0.02	0.02	0.097					
alpha-Chlordane	MG/KG	0.094	2.9	0.91		0.0023	0.0025 J	0.0082	0.012 J
beta-BHC	MG/KG	0.036	0.09	0.072					
delta-BHC	MG/KG	0.04	0.25	100					
Dieldrin	MG/KG	0.005	0.1	0.039			0.0028	0.0028 NJ	
Endosulfan I	MG/KG	2.4	102	4.8					
Endosulfan II	MG/KG	2.4	102	4.8					
Endosulfan sulfate	MG/KG	2.4	1000	4.8					
Endrin	MG/KG	0.014	0.06	2.2					
Endrin aldehyde	MG/KG	-	-	-					
Endrin ketone	MG/KG	-	-	-					0.0027 J
gamma-BHC (Lindane)	MG/KG	0.1	0.1	0.28					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-01	SB-02	SB-02	SB-02	SB-02
Sample ID					SB-1 (20-22)	SB-2 (2-4)	SB-2 (4-6)	SB-2 (6-8)	SB-2 (8-10)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					20.0-22.0	2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0
Date Sampled					05/15/13	05/15/13	05/15/13	05/15/13	05/15/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Pesticide Organic Compounds									
gamma-Chlordane	MG/KG	0.54	14	0.54		0.0029			
Heptachlor	MG/KG	0.042	0.38	0.42					
Heptachlor epoxide	MG/KG	0.02	0.02	0.077					
Methoxychlor	MG/KG	1.2	900	100					
Herbicides									
2,4,5-T	MG/KG	1.9	1.9	100				0.0052 J	
2,4,5-TP (Silvex)	MG/KG	3.8	3.8	58	0.023 J				
2,4-D	MG/KG	0.5	0.5	100	0.15 J			0.026	
2,4-DB	MG/KG	-	-	-					
Dicamba	MG/KG	-	-	-	0.022				
Dinoseb	MG/KG	-	-	-					
Picrolam	MG/KG	-	-	-					
Metals									
Aluminum	MG/KG	10000	-	-	9,660	6,340	5,800	1,510	2,930
Antimony	MG/KG	12	-	-	0.76 J			0.51 J	
Arsenic	MG/KG	13	16	16	6.0	0.93 J	2.6	3.5	2.5
Barium	MG/KG	350	820	350	53.7	28.6	28.8	39.5	26.5
Beryllium	MG/KG	7.2	47	14	0.52 J	0.19 J	0.16 J	0.052 J	0.037 J
Cadmium	MG/KG	2.5	7.5	2.5	2.3			0.80	
Calcium	MG/KG	10000	-	-	17,600	2,060	6,290	8,020	4,690

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-01	SB-02	SB-02	SB-02	SB-02
Sample ID					SB-1 (20-22)	SB-2 (2-4)	SB-2 (4-6)	SB-2 (6-8)	SB-2 (8-10)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					20.0-22.0	2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0
Date Sampled					05/15/13	05/15/13	05/15/13	05/15/13	05/15/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Metals									
Chromium	MG/KG	30	NS	36	23.6	9.2	9.2	6.9	8.0
Cobalt	MG/KG	20	-	30	10.2	4.0 J	4.0 J	4.8 J	3.7 J
Copper	MG/KG	50	1720	270	27.5 J	2.9 J	11.3	37.0	12.3
Iron	MG/KG	2000	-	2000		11,200	9,920	7,990	7,950
Lead	MG/KG	63	450	400	14.6	6.1	30.2	36.0	44.5
Magnesium	MG/KG	-	-	-	8,740	1,240	1,980	676	1,320
Manganese	MG/KG	1600	2000	2000	375	104	102	79.4	89.5
Mercury	MG/KG	0.18	0.73	0.81					0.062
Nickel	MG/KG	30	130	140	22.9	4.2 J	8.6	15.6	7.9
Potassium	MG/KG	-	-	-	1,600 J				
Selenium	MG/KG	3.9	4	36					
Silver	MG/KG	2	8.3	36					
Sodium	MG/KG	-	-	-			45.2 J	42.3 J	42.2 J
Thallium	MG/KG	5	-	-	0.75 J				
Vanadium	MG/KG	39	-	100	18.8	19.2	13.6	7.4	12.0
Zinc	MG/KG	109	2480	2200	70.9	28.7	49.3	99.7	47.7

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-02	SB-02	SB-02	SB-02	SB-02
Sample ID					SB-2 (10-12)	SB-2 (12-14)	SB-2 (14-16)	SB-2 (16-18)	SB-2 (18-20)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					10.0-12.0	12.0-14.0	14.0-16.0	16.0-18.0	18.0-20.0
Date Sampled					05/15/13	05/15/13	05/15/13	05/15/13	05/15/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Volatile Organic Compounds									
4-Methyl-2-pentanone	MG/KG	1	1	-					
Acetone	MG/KG	0.05	0.05	100	0.056 J	0.047 J			
Carbon disulfide	MG/KG	2.7	2.7	100					
Chlorobenzene	MG/KG	1.1	1.1	100					
Ethylbenzene	MG/KG	1	1	30					
Methyl ethyl ketone (2-Butanone)	MG/KG	0.12	0.12	-	0.010 J	0.0090 J			
Methylene chloride	MG/KG	0.05	0.05	51					
Toluene	MG/KG	0.7	0.7	100					
Vinyl chloride	MG/KG	0.02	0.02	0.21					
Xylene (total)	MG/KG	0.26	1.6	100					
Semivolatile Organic Compounds									
1,1-Biphenyl	MG/KG	60	-	-					
2,4,5-Trichlorophenol	MG/KG	0.1	0.1	100					
2,4-Dichlorophenol	MG/KG	0.4	0.4	100					
2-Methylnaphthalene	MG/KG	0.41	36.4	0.41					
2-Methylphenol (o-cresol)	MG/KG	0.33	0.33	100					
4-Methylphenol (p-cresol)	MG/KG	0.33	0.33	34	0.11 J				
Acenaphthene	MG/KG	20	98	100					
Acenaphthylene	MG/KG	100	107	100					
Acetophenone	MG/KG	-	-	-					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-02	SB-02	SB-02	SB-02	SB-02
Sample ID					SB-2 (10-12)	SB-2 (12-14)	SB-2 (14-16)	SB-2 (16-18)	SB-2 (18-20)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					10.0-12.0	12.0-14.0	14.0-16.0	16.0-18.0	18.0-20.0
Date Sampled					05/15/13	05/15/13	05/15/13	05/15/13	05/15/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Semivolatile Organic Compounds									
Anthracene	MG/KG	100	1000	100	0.13 J				
Atrazine	MG/KG	-	-	-					
Benzaldehyde	MG/KG	-	-	-	0.082 J				
Benzo(a)anthracene	MG/KG	1	1	1	0.22 J				
Benzo(a)pyrene	MG/KG	1	22	1	0.16 J				
Benzo(b)fluoranthene	MG/KG	1	1.7	1	0.19 J				
Benzo(g,h,i)perylene	MG/KG	100	1000	100	0.087 J				
Benzo(k)fluoranthene	MG/KG	0.8	1.7	1					
bis(2-Ethylhexyl)phthalate	MG/KG	50	435	50					
Butylbenzylphthalate	MG/KG	100	122	100					
Carbazole	MG/KG	-	-	-	0.17 J				
Chrysene	MG/KG	1	1	1	0.20 J				
Dibenz(a,h)anthracene	MG/KG	0.33	1000	0.33					
Dibenzofuran	MG/KG	7	210	14					
Di-n-octylphthalate	MG/KG	100	120	100					
Fluoranthene	MG/KG	100	1000	100	0.49				
Fluorene	MG/KG	30	386	100					
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	8.2	0.5	0.081 J				
Isophorone	MG/KG	4.4	4.4	100					
Naphthalene	MG/KG	12	12	100					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-02	SB-02	SB-02	SB-02	SB-02
Sample ID					SB-2 (10-12)	SB-2 (12-14)	SB-2 (14-16)	SB-2 (16-18)	SB-2 (18-20)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					10.0-12.0	12.0-14.0	14.0-16.0	16.0-18.0	18.0-20.0
Date Sampled					05/15/13	05/15/13	05/15/13	05/15/13	05/15/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Semivolatile Organic Compounds									
Phenanthrene	MG/KG	100	1000	100	0.46				
Phenol	MG/KG	0.33	0.33	100					
Pyrene	MG/KG	100	1000	100	0.43				
Pesticide Organic Compounds									
4,4'-DDD	MG/KG	0.0033	14	2.6					
4,4'-DDE	MG/KG	0.0033	17	1.8	0.0027				
4,4'-DDT	MG/KG	0.0033	136	1.7					
Aldrin	MG/KG	0.005	0.19	0.019					
alpha-BHC	MG/KG	0.02	0.02	0.097					
alpha-Chlordane	MG/KG	0.094	2.9	0.91	0.0047 J				
beta-BHC	MG/KG	0.036	0.09	0.072					
delta-BHC	MG/KG	0.04	0.25	100					
Dieldrin	MG/KG	0.005	0.1	0.039					
Endosulfan I	MG/KG	2.4	102	4.8					
Endosulfan II	MG/KG	2.4	102	4.8					
Endosulfan sulfate	MG/KG	2.4	1000	4.8					
Endrin	MG/KG	0.014	0.06	2.2					
Endrin aldehyde	MG/KG	-	-	-					
Endrin ketone	MG/KG	-	-	-					
gamma-BHC (Lindane)	MG/KG	0.1	0.1	0.28					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

[MATRIX] = 'SO' AND ([LOCID] = 'MW-02' OR [LOCID] = 'MW-03' OR [LOCID] = 'MW-08' OR [LOCID] = 'MW-09' OR [LOCID] LIKE 'SB-*' OR [LOCID] = 'SS-03' OR [LOCID] = 'SS-04' OR [LOCID] = 'SS-05' OR [LOCID] = 'SS-06') AND NOT ([SED] = '0.167' OR [SED] = '0.5' OR [SED] = '1.5' OR [SED] = '2')

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-02	SB-02	SB-02	SB-02	SB-02
Sample ID					SB-2 (10-12)	SB-2 (12-14)	SB-2 (14-16)	SB-2 (16-18)	SB-2 (18-20)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					10.0-12.0	12.0-14.0	14.0-16.0	16.0-18.0	18.0-20.0
Date Sampled					05/15/13	05/15/13	05/15/13	05/15/13	05/15/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Pesticide Organic Compounds									
gamma-Chlordane	MG/KG	0.54	14	0.54					
Heptachlor	MG/KG	0.042	0.38	0.42					
Heptachlor epoxide	MG/KG	0.02	0.02	0.077					
Methoxychlor	MG/KG	1.2	900	100					
Herbicides									
2,4,5-T	MG/KG	1.9	1.9	100	0.0083				
2,4,5-TP (Silvex)	MG/KG	3.8	3.8	58	0.0038 J				
2,4-D	MG/KG	0.5	0.5	100	0.034				
2,4-DB	MG/KG	-	-	-					
Dicamba	MG/KG	-	-	-					
Dinoseb	MG/KG	-	-	-					
Picrolam	MG/KG	-	-	-					
Metals									
Aluminum	MG/KG	10000	-	-	8,770	9,590	9,040	10,800	11,100
Antimony	MG/KG	12	-	-					
Arsenic	MG/KG	13	16	16	4.6	5.7	1.7	2.6	3.2
Barium	MG/KG	350	820	350	53.2	78.6	45.0	61.2	85.5
Beryllium	MG/KG	7.2	47	14	0.36 J		0.14 J	0.18 J	0.23 J
Cadmium	MG/KG	2.5	7.5	2.5					
Calcium	MG/KG	10000	-	-	2,150	17,800	15,500	21,300	20,700

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

[MATRIX] = 'SO' AND ([LOCID] = 'MW-02' OR [LOCID] = 'MW-03' OR [LOCID] = 'MW-08' OR [LOCID] = 'MW-09' OR [LOCID] LIKE 'SB-*' OR [LOCID] = 'SS-03' OR [LOCID] = 'SS-04' OR [LOCID] = 'SS-05' OR [LOCID] = 'SS-06') AND NOT ([SED] = '0.167' OR [SED] = '0.5' OR [SED] = '1.5' OR [SED] = '2')

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-02	SB-02	SB-02	SB-02	SB-02
Sample ID					SB-2 (10-12)	SB-2 (12-14)	SB-2 (14-16)	SB-2 (16-18)	SB-2 (18-20)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					10.0-12.0	12.0-14.0	14.0-16.0	16.0-18.0	18.0-20.0
Date Sampled					05/15/13	05/15/13	05/15/13	05/15/13	05/15/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Metals									
Chromium	MG/KG	30	NS	36	19.1	19.0	15.4	17.8	18.9
Cobalt	MG/KG	20	-	30	7.9	12.7	8.4	9.7	10.3
Copper	MG/KG	50	1720	270	5.9	19.2	6.8	11.0	10.9
Iron	MG/KG	2000	-	2000	21,900	28,400	20,000	23,100	24,100
Lead	MG/KG	63	450	400	5.7	7.2	2.3	4.4	3.2
Magnesium	MG/KG	-	-	-	2,340	5,320	5,750	7,690	7,580
Manganese	MG/KG	1600	2000	2000	190	157	249	349	372
Mercury	MG/KG	0.18	0.73	0.81					
Nickel	MG/KG	30	130	140	10.4	32.9	7.9	11.6	12.1
Potassium	MG/KG	-	-	-	840	1,230	935	1,520	1,570
Selenium	MG/KG	3.9	4	36					
Silver	MG/KG	2	8.3	36					
Sodium	MG/KG	-	-	-	64.7 J	169 J	544 J	673	628 J
Thallium	MG/KG	5	-	-					
Vanadium	MG/KG	39	-	100	29.3	21.9	33.2	33.3	35.5
Zinc	MG/KG	109	2480	2200	47.1	53.8	43.3	52.4	51.4

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-03	SB-03	SB-03	SB-03	SB-03
Sample ID					SB-3 (2-4)	SB-3 (4-6)	SB-3 (6-8)	SB-3 (8-10)	SB-3 (10-12)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0	10.0-12.0
Date Sampled					05/16/13	05/16/13	05/16/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Volatile Organic Compounds									
4-Methyl-2-pentanone	MG/KG	1	1	-			NA	NA	NA
Acetone	MG/KG	0.05	0.05	100			NA	NA	NA
Carbon disulfide	MG/KG	2.7	2.7	100			NA	NA	NA
Chlorobenzene	MG/KG	1.1	1.1	100			NA	NA	NA
Ethylbenzene	MG/KG	1	1	30			NA	NA	NA
Methyl ethyl ketone (2-Butanone)	MG/KG	0.12	0.12	-			NA	NA	NA
Methylene chloride	MG/KG	0.05	0.05	51			NA	NA	NA
Toluene	MG/KG	0.7	0.7	100	0.0010 J		NA	NA	NA
Vinyl chloride	MG/KG	0.02	0.02	0.21			NA	NA	NA
Xylene (total)	MG/KG	0.26	1.6	100			NA	NA	NA
Semivolatile Organic Compounds									
1,1-Biphenyl	MG/KG	60	-	-					
2,4,5-Trichlorophenol	MG/KG	0.1	0.1	100					
2,4-Dichlorophenol	MG/KG	0.4	0.4	100					
2-Methylnaphthalene	MG/KG	0.41	36.4	0.41			0.20 J		
2-Methylphenol (o-cresol)	MG/KG	0.33	0.33	100					
4-Methylphenol (p-cresol)	MG/KG	0.33	0.33	34					
Acenaphthene	MG/KG	20	98	100					
Acenaphthylene	MG/KG	100	107	100					
Acetophenone	MG/KG	-	-	-					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-03	SB-03	SB-03	SB-03	SB-03
Sample ID					SB-3 (2-4)	SB-3 (4-6)	SB-3 (6-8)	SB-3 (8-10)	SB-3 (10-12)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0	10.0-12.0
Date Sampled					05/16/13	05/16/13	05/16/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Semivolatile Organic Compounds									
Anthracene	MG/KG	100	1000	100			0.92 J		
Atrazine	MG/KG	-	-	-					
Benzaldehyde	MG/KG	-	-	-					
Benzo(a)anthracene	MG/KG	1	1	1			0.76 J	0.24 J	
Benzo(a)pyrene	MG/KG	1	22	1			1.1 J	0.35 J	0.10 J
Benzo(b)fluoranthene	MG/KG	1	1.7	1			2.0 J	0.62	0.17 J
Benzo(g,h,i)perylene	MG/KG	100	1000	100			0.61 J	0.21 J	
Benzo(k)fluoranthene	MG/KG	0.8	1.7	1			0.87 J	0.29 J	
bis(2-Ethylhexyl)phthalate	MG/KG	50	435	50					
Butylbenzylphthalate	MG/KG	100	122	100					
Carbazole	MG/KG	-	-	-			1.5 J	0.29 J	0.18 J
Chrysene	MG/KG	1	1	1			2.3 J	0.68	0.17 J
Dibenz(a,h)anthracene	MG/KG	0.33	1000	0.33					
Dibenzofuran	MG/KG	7	210	14			1.5 J	0.16 J	
Di-n-octylphthalate	MG/KG	100	120	100					
Fluoranthene	MG/KG	100	1000	100			7.6 J	1.6	0.42
Fluorene	MG/KG	30	386	100			1.8 J	0.12 J	
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	8.2	0.5			0.61 J	0.22 J	
Isophorone	MG/KG	4.4	4.4	100					
Naphthalene	MG/KG	12	12	100			0.28 J		

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-03	SB-03	SB-03	SB-03	SB-03
Sample ID					SB-3 (2-4)	SB-3 (4-6)	SB-3 (6-8)	SB-3 (8-10)	SB-3 (10-12)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0	10.0-12.0
Date Sampled					05/16/13	05/16/13	05/16/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Semivolatile Organic Compounds									
Phenanthrene	MG/KG	100	1000	100			12 J	1.3	0.39 J
Phenol	MG/KG	0.33	0.33	100					
Pyrene	MG/KG	100	1000	100			5.4 J	1.3	0.33 J
Pesticide Organic Compounds									
4,4'-DDD	MG/KG	0.0033	14	2.6				0.013 J	
4,4'-DDE	MG/KG	0.0033	17	1.8			0.090 J	0.012	0.0079
4,4'-DDT	MG/KG	0.0033	136	1.7			0.034 NJ		0.0020 NJ
Aldrin	MG/KG	0.005	0.19	0.019					
alpha-BHC	MG/KG	0.02	0.02	0.097					
alpha-Chlordane	MG/KG	0.094	2.9	0.91			0.020 J	0.0014 J	
beta-BHC	MG/KG	0.036	0.09	0.072					
delta-BHC	MG/KG	0.04	0.25	100					
Dieldrin	MG/KG	0.005	0.1	0.039					
Endosulfan I	MG/KG	2.4	102	4.8					
Endosulfan II	MG/KG	2.4	102	4.8					
Endosulfan sulfate	MG/KG	2.4	1000	4.8			0.013 J		
Endrin	MG/KG	0.014	0.06	2.2					
Endrin aldehyde	MG/KG	-	-	-					
Endrin ketone	MG/KG	-	-	-			0.035 J		
gamma-BHC (Lindane)	MG/KG	0.1	0.1	0.28					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

[MATRIX] = 'SO' AND ([LOCID] = 'MW-02' OR [LOCID] = 'MW-03' OR [LOCID] = 'MW-08' OR [LOCID] = 'MW-09' OR [LOCID] LIKE 'SB-*' OR [LOCID] = 'SS-03' OR [LOCID] = 'SS-04' OR [LOCID] = 'SS-05' OR [LOCID] = 'SS-06') AND NOT ([SED] = '0.167' OR [SED] = '0.5' OR [SED] = '1.5' OR [SED] = '2')

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-03	SB-03	SB-03	SB-03	SB-03
Sample ID					SB-3 (2-4)	SB-3 (4-6)	SB-3 (6-8)	SB-3 (8-10)	SB-3 (10-12)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0	10.0-12.0
Date Sampled					05/16/13	05/16/13	05/16/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Pesticide Organic Compounds									
gamma-Chlordane	MG/KG	0.54	14	0.54					
Heptachlor	MG/KG	0.042	0.38	0.42					
Heptachlor epoxide	MG/KG	0.02	0.02	0.077					
Methoxychlor	MG/KG	1.2	900	100			0.028 NJ		
Herbicides									
2,4,5-T	MG/KG	1.9	1.9	100				0.013 NJ	0.0099 J
2,4,5-TP (Silvex)	MG/KG	3.8	3.8	58				0.0059 J	0.0063 J
2,4-D	MG/KG	0.5	0.5	100					
2,4-DB	MG/KG	-	-	-					
Dicamba	MG/KG	-	-	-					
Dinoseb	MG/KG	-	-	-					
Picrolam	MG/KG	-	-	-			0.02 J		
Metals									
Aluminum	MG/KG	10000	-	-	4,170	4,500	NA	NA	NA
Antimony	MG/KG	12	-	-			NA	NA	NA
Arsenic	MG/KG	13	16	16	0.76 J	2.5	NA	NA	NA
Barium	MG/KG	350	820	350	12.5 J	18.9 J	NA	NA	NA
Beryllium	MG/KG	7.2	47	14	0.16 J	0.21 J	NA	NA	NA
Cadmium	MG/KG	2.5	7.5	2.5			NA	NA	NA
Calcium	MG/KG	10000	-	-	1,480	1,210	NA	NA	NA

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-03	SB-03	SB-03	SB-03	SB-03
Sample ID					SB-3 (2-4)	SB-3 (4-6)	SB-3 (6-8)	SB-3 (8-10)	SB-3 (10-12)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0	10.0-12.0
Date Sampled					05/16/13	05/16/13	05/16/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Metals									
Chromium	MG/KG	30	NS	36	5.7	6.8	NA	NA	NA
Cobalt	MG/KG	20	-	30	2.6 J	2.9 J	NA	NA	NA
Copper	MG/KG	50	1720	270	2.2 J	26.8 J	NA	NA	NA
Iron	MG/KG	2000	-	2000	6,910	8,440	NA	NA	NA
Lead	MG/KG	63	450	400	7.7	18.3	NA	NA	NA
Magnesium	MG/KG	-	-	-	1,110	1,510	NA	NA	NA
Manganese	MG/KG	1600	2000	2000	35.9	46.6	NA	NA	NA
Mercury	MG/KG	0.18	0.73	0.81			NA	NA	NA
Nickel	MG/KG	30	130	140	3.1 J	4.0 J	NA	NA	NA
Potassium	MG/KG	-	-	-			NA	NA	NA
Selenium	MG/KG	3.9	4	36			NA	NA	NA
Silver	MG/KG	2	8.3	36			NA	NA	NA
Sodium	MG/KG	-	-	-			NA	NA	NA
Thallium	MG/KG	5	-	-			NA	NA	NA
Vanadium	MG/KG	39	-	100	12.0	12.1	NA	NA	NA
Zinc	MG/KG	109	2480	2200	19.4	28.5	NA	NA	NA

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-03	SB-03	SB-03	SB-04	SB-04
Sample ID					SB-3 (14-16)	SB-3 (16-18)	SB-3 (18-20)	SB-4 (2-4)	SB-4 (4-6)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					14.0-16.0	16.0-18.0	18.0-20.0	2.0-4.0	4.0-6.0
Date Sampled					05/16/13	05/16/13	05/16/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Volatile Organic Compounds									
4-Methyl-2-pentanone	MG/KG	1	1	-					
Acetone	MG/KG	0.05	0.05	100	0.015 J	0.015 J	0.015 J		
Carbon disulfide	MG/KG	2.7	2.7	100					
Chlorobenzene	MG/KG	1.1	1.1	100					
Ethylbenzene	MG/KG	1	1	30					
Methyl ethyl ketone (2-Butanone)	MG/KG	0.12	0.12	-					
Methylene chloride	MG/KG	0.05	0.05	51					
Toluene	MG/KG	0.7	0.7	100					
Vinyl chloride	MG/KG	0.02	0.02	0.21					
Xylene (total)	MG/KG	0.26	1.6	100					
Semivolatile Organic Compounds									
1,1-Biphenyl	MG/KG	60	-	-					
2,4,5-Trichlorophenol	MG/KG	0.1	0.1	100					
2,4-Dichlorophenol	MG/KG	0.4	0.4	100					
2-Methylnaphthalene	MG/KG	0.41	36.4	0.41					
2-Methylphenol (o-cresol)	MG/KG	0.33	0.33	100					
4-Methylphenol (p-cresol)	MG/KG	0.33	0.33	34					
Acenaphthene	MG/KG	20	98	100					
Acenaphthylene	MG/KG	100	107	100					
Acetophenone	MG/KG	-	-	-					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-03	SB-03	SB-03	SB-04	SB-04
Sample ID					SB-3 (14-16)	SB-3 (16-18)	SB-3 (18-20)	SB-4 (2-4)	SB-4 (4-6)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					14.0-16.0	16.0-18.0	18.0-20.0	2.0-4.0	4.0-6.0
Date Sampled					05/16/13	05/16/13	05/16/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Semivolatile Organic Compounds									
Anthracene	MG/KG	100	1000	100					
Atrazine	MG/KG	-	-	-					
Benzaldehyde	MG/KG	-	-	-					
Benzo(a)anthracene	MG/KG	1	1	1					
Benzo(a)pyrene	MG/KG	1	22	1					
Benzo(b)fluoranthene	MG/KG	1	1.7	1					
Benzo(g,h,i)perylene	MG/KG	100	1000	100					
Benzo(k)fluoranthene	MG/KG	0.8	1.7	1					
bis(2-Ethylhexyl)phthalate	MG/KG	50	435	50					
Butylbenzylphthalate	MG/KG	100	122	100					
Carbazole	MG/KG	-	-	-					0.13 J
Chrysene	MG/KG	1	1	1					
Dibenz(a,h)anthracene	MG/KG	0.33	1000	0.33					
Dibenzofuran	MG/KG	7	210	14					
Di-n-octylphthalate	MG/KG	100	120	100					
Fluoranthene	MG/KG	100	1000	100					0.090 J
Fluorene	MG/KG	30	386	100					
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	8.2	0.5					
Isophorone	MG/KG	4.4	4.4	100					
Naphthalene	MG/KG	12	12	100					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-03	SB-03	SB-03	SB-04	SB-04
Sample ID					SB-3 (14-16)	SB-3 (16-18)	SB-3 (18-20)	SB-4 (2-4)	SB-4 (4-6)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					14.0-16.0	16.0-18.0	18.0-20.0	2.0-4.0	4.0-6.0
Date Sampled					05/16/13	05/16/13	05/16/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Semivolatile Organic Compounds									
Phenanthrene	MG/KG	100	1000	100					
Phenol	MG/KG	0.33	0.33	100					
Pyrene	MG/KG	100	1000	100					0.077 J
Pesticide Organic Compounds									
4,4'-DDD	MG/KG	0.0033	14	2.6					0.0031 NJ
4,4'-DDE	MG/KG	0.0033	17	1.8				0.0052	0.0067
4,4'-DDT	MG/KG	0.0033	136	1.7				0.0059	0.0066
Aldrin	MG/KG	0.005	0.19	0.019					
alpha-BHC	MG/KG	0.02	0.02	0.097					
alpha-Chlordane	MG/KG	0.094	2.9	0.91					0.0017 J
beta-BHC	MG/KG	0.036	0.09	0.072					
delta-BHC	MG/KG	0.04	0.25	100					
Dieldrin	MG/KG	0.005	0.1	0.039					0.0029 J
Endosulfan I	MG/KG	2.4	102	4.8					
Endosulfan II	MG/KG	2.4	102	4.8					
Endosulfan sulfate	MG/KG	2.4	1000	4.8					
Endrin	MG/KG	0.014	0.06	2.2					
Endrin aldehyde	MG/KG	-	-	-					
Endrin ketone	MG/KG	-	-	-					
gamma-BHC (Lindane)	MG/KG	0.1	0.1	0.28					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-03	SB-03	SB-03	SB-04	SB-04
Sample ID					SB-3 (14-16)	SB-3 (16-18)	SB-3 (18-20)	SB-4 (2-4)	SB-4 (4-6)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					14.0-16.0	16.0-18.0	18.0-20.0	2.0-4.0	4.0-6.0
Date Sampled					05/16/13	05/16/13	05/16/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Pesticide Organic Compounds									
gamma-Chlordane	MG/KG	0.54	14	0.54					
Heptachlor	MG/KG	0.042	0.38	0.42					
Heptachlor epoxide	MG/KG	0.02	0.02	0.077					
Methoxychlor	MG/KG	1.2	900	100					
Herbicides									
2,4,5-T	MG/KG	1.9	1.9	100					
2,4,5-TP (Silvex)	MG/KG	3.8	3.8	58		0.0076			
2,4-D	MG/KG	0.5	0.5	100				0.019 J	
2,4-DB	MG/KG	-	-	-				0.011 NJ	
Dicamba	MG/KG	-	-	-					
Dinoseb	MG/KG	-	-	-					
Picrolam	MG/KG	-	-	-					
Metals									
Aluminum	MG/KG	10000	-	-	13,000	12,900	8,260	6,710	5,160
Antimony	MG/KG	12	-	-					
Arsenic	MG/KG	13	16	16	2.1	2.4	1.7	1.4	1.0 J
Barium	MG/KG	350	820	350	169 J	169 J	113 J	17.8 J	23.4 J
Beryllium	MG/KG	7.2	47	14					0.15 J
Cadmium	MG/KG	2.5	7.5	2.5					
Calcium	MG/KG	10000	-	-	18,900	18,800	15,300	1,250	1,510

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-03	SB-03	SB-03	SB-04	SB-04
Sample ID					SB-3 (14-16)	SB-3 (16-18)	SB-3 (18-20)	SB-4 (2-4)	SB-4 (4-6)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					14.0-16.0	16.0-18.0	18.0-20.0	2.0-4.0	4.0-6.0
Date Sampled					05/16/13	05/16/13	05/16/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Metals									
Chromium	MG/KG	30	NS	36	19.9	18.5	13.9	5.4	5.3
Cobalt	MG/KG	20	-	30	9.9	10.6	7.7	3.0 J	2.9 J
Copper	MG/KG	50	1720	270	12.8 J	11.8 J	7.0 J	4.0 J	4.8 J
Iron	MG/KG	2000	-	2000	25,200	25,100	18,300	8,650	7,310
Lead	MG/KG	63	450	400	0.92 J	0.56 J		15.7 J	29.7 J
Magnesium	MG/KG	-	-	-	8,240	7,650	6,160	1,250	1,290
Manganese	MG/KG	1600	2000	2000	365	399	235	101	69.1
Mercury	MG/KG	0.18	0.73	0.81	0.030 J	0.031 J		0.039	0.053
Nickel	MG/KG	30	130	140	13.1 J	12.7 J	8.7 J	4.4 J	
Potassium	MG/KG	-	-	-	2,220 J	2,000 J	1,240 J		
Selenium	MG/KG	3.9	4	36					
Silver	MG/KG	2	8.3	36					
Sodium	MG/KG	-	-	-	574 J	707	468 J		
Thallium	MG/KG	5	-	-					
Vanadium	MG/KG	39	-	100	37.2	33.4	31.0	10.6	9.3
Zinc	MG/KG	109	2480	2200	65.4	63.7	41.8	30.9	53.6

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-04	SB-04	SB-04	SB-04	SB-04
Sample ID					SB-4 (6-8)	SB-4 (8-10)	SB-4 (10-12)	SB-4 (12-14)	SB-4 (14-16)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					6.0-8.0	8.0-10.0	10.0-12.0	12.0-14.0	14.0-16.0
Date Sampled					05/16/13	05/16/13	05/16/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Volatile Organic Compounds									
4-Methyl-2-pentanone	MG/KG	1	1	-			NA		
Acetone	MG/KG	0.05	0.05	100			NA	0.028 J	0.039 J
Carbon disulfide	MG/KG	2.7	2.7	100			NA		
Chlorobenzene	MG/KG	1.1	1.1	100			NA		
Ethylbenzene	MG/KG	1	1	30			NA		
Methyl ethyl ketone (2-Butanone)	MG/KG	0.12	0.12	-			NA		0.0090 J
Methylene chloride	MG/KG	0.05	0.05	51			NA		
Toluene	MG/KG	0.7	0.7	100			NA		
Vinyl chloride	MG/KG	0.02	0.02	0.21			NA		
Xylene (total)	MG/KG	0.26	1.6	100			NA		
Semivolatile Organic Compounds									
1,1-Biphenyl	MG/KG	60	-	-	0.27 J	0.23 J			
2,4,5-Trichlorophenol	MG/KG	0.1	0.1	100					
2,4-Dichlorophenol	MG/KG	0.4	0.4	100					
2-Methylnaphthalene	MG/KG	0.41	36.4	0.41	3.2	2.9	0.65		
2-Methylphenol (o-cresol)	MG/KG	0.33	0.33	100					
4-Methylphenol (p-cresol)	MG/KG	0.33	0.33	34	1.4	2.7	0.57		
Acenaphthene	MG/KG	20	98	100	0.61	0.53	0.25 J		
Acenaphthylene	MG/KG	100	107	100	0.27 J	0.56			
Acetophenone	MG/KG	-	-	-	0.13 J	0.13 J			

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-04	SB-04	SB-04	SB-04	SB-04
Sample ID					SB-4 (6-8)	SB-4 (8-10)	SB-4 (10-12)	SB-4 (12-14)	SB-4 (14-16)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					6.0-8.0	8.0-10.0	10.0-12.0	12.0-14.0	14.0-16.0
Date Sampled					05/16/13	05/16/13	05/16/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Semivolatile Organic Compounds									
Anthracene	MG/KG	100	1000	100	0.53	0.75	0.18 J		
Atrazine	MG/KG	-	-	-					
Benzaldehyde	MG/KG	-	-	-	0.84 J	0.54 J	0.50 J		
Benzo(a)anthracene	MG/KG	1	1	1	1.6 J	3.1	0.37 J		
Benzo(a)pyrene	MG/KG	1	22	1	1.4 J	2.9 J	0.31 J		
Benzo(b)fluoranthene	MG/KG	1	1.7	1	3.3 J	6.2 J	0.65		
Benzo(g,h,i)perylene	MG/KG	100	1000	100	1.0 J	1.8 J	0.17 J		
Benzo(k)fluoranthene	MG/KG	0.8	1.7	1	0.86 J	2.8 J	0.31 J		
bis(2-Ethylhexyl)phthalate	MG/KG	50	435	50	0.52 J		0.71		
Butylbenzylphthalate	MG/KG	100	122	100					
Carbazole	MG/KG	-	-	-	0.45	0.82	0.26 J		
Chrysene	MG/KG	1	1	1	3.3	5.6	0.69		
Dibenz(a,h)anthracene	MG/KG	0.33	1000	0.33	0.31 J	0.54 J			
Dibenzofuran	MG/KG	7	210	14	0.68	0.60	0.16 J		
Di-n-octylphthalate	MG/KG	100	120	100					
Fluoranthene	MG/KG	100	1000	100	4.9	13 D	1.5		
Fluorene	MG/KG	30	386	100	0.67	0.65	0.21 J		
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	8.2	0.5	0.89 J	1.7 J	0.14 J		
Isophorone	MG/KG	4.4	4.4	100					
Naphthalene	MG/KG	12	12	100	4.9	3.7	0.79		

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-04	SB-04	SB-04	SB-04	SB-04
Sample ID					SB-4 (6-8)	SB-4 (8-10)	SB-4 (10-12)	SB-4 (12-14)	SB-4 (14-16)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					6.0-8.0	8.0-10.0	10.0-12.0	12.0-14.0	14.0-16.0
Date Sampled					05/16/13	05/16/13	05/16/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Semivolatile Organic Compounds									
Phenanthrene	MG/KG	100	1000	100	3.7	8.0 D	1.2		
Phenol	MG/KG	0.33	0.33	100	0.20 J	0.81	0.18 J		
Pyrene	MG/KG	100	1000	100	8.1 D	12 D	1.3		
Pesticide Organic Compounds									
4,4'-DDD	MG/KG	0.0033	14	2.6	0.30 DJ	0.91 DJ	0.17 D		
4,4'-DDE	MG/KG	0.0033	17	1.8	0.044 J	0.10 D	0.043 J	0.0014 J	
4,4'-DDT	MG/KG	0.0033	136	1.7	0.010 NJ	0.045 J	0.012 J		
Aldrin	MG/KG	0.005	0.19	0.019	0.0072 J	0.68 D	0.022 J		
alpha-BHC	MG/KG	0.02	0.02	0.097	0.0022 J	0.0038 J	0.0012 J	0.0017 NJ	
alpha-Chlordane	MG/KG	0.094	2.9	0.91	0.012 J	0.015 NJ	0.0044 J		
beta-BHC	MG/KG	0.036	0.09	0.072					
delta-BHC	MG/KG	0.04	0.25	100	0.0016 NJ	0.0070 J			
Dieldrin	MG/KG	0.005	0.1	0.039	0.79 DJ	1.3 DJ	0.33 D	0.0018 NJ	
Endosulfan I	MG/KG	2.4	102	4.8					
Endosulfan II	MG/KG	2.4	102	4.8	0.0026 J				
Endosulfan sulfate	MG/KG	2.4	1000	4.8					
Endrin	MG/KG	0.014	0.06	2.2	0.0059 J	0.019 NJ			
Endrin aldehyde	MG/KG	-	-	-			0.0031 NJ		
Endrin ketone	MG/KG	-	-	-	0.15 DJ	0.050 DNJ	0.044 NJ		
gamma-BHC (Lindane)	MG/KG	0.1	0.1	0.28					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-04	SB-04	SB-04	SB-04	SB-04
Sample ID					SB-4 (6-8)	SB-4 (8-10)	SB-4 (10-12)	SB-4 (12-14)	SB-4 (14-16)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					6.0-8.0	8.0-10.0	10.0-12.0	12.0-14.0	14.0-16.0
Date Sampled					05/16/13	05/16/13	05/16/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Pesticide Organic Compounds									
gamma-Chlordane	MG/KG	0.54	14	0.54		0.026 NJ			
Heptachlor	MG/KG	0.042	0.38	0.42		0.0018 J		0.0022 NJ	
Heptachlor epoxide	MG/KG	0.02	0.02	0.077	0.0030 NJ		0.0040 J		
Methoxychlor	MG/KG	1.2	900	100	0.027 NJ	0.061 J			
Herbicides									
2,4,5-T	MG/KG	1.9	1.9	100					
2,4,5-TP (Silvex)	MG/KG	3.8	3.8	58					0.0062 J
2,4-D	MG/KG	0.5	0.5	100					
2,4-DB	MG/KG	-	-	-					
Dicamba	MG/KG	-	-	-					
Dinoseb	MG/KG	-	-	-				0.0037 NJ	0.0029 J
Picrolam	MG/KG	-	-	-					
Metals									
Aluminum	MG/KG	10000	-	-	3,470	7,510	NA	11,000	12,400
Antimony	MG/KG	12	-	-			NA		
Arsenic	MG/KG	13	16	16	1.1 J	5.7	NA	2.5	2.7
Barium	MG/KG	350	820	350	23.5 J	31.4 J	NA	57.5 J	72.8 J
Beryllium	MG/KG	7.2	47	14	0.11 J	0.27 J	NA	0.36 J	0.46 J
Cadmium	MG/KG	2.5	7.5	2.5			NA		
Calcium	MG/KG	10000	-	-	716	14,800	NA	4,290	22,700

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

Advanced Selection: Site Subsurface
J:\Projects\11176892\DB\EDMS.mde
Printed: 8/19/2014 9:31:27 AM
[MATRIX] = 'SO' AND ([LOCID] = 'MW-02' OR [LOCID] = 'MW-03' OR [LOCID] = 'MW-08' OR [LOCID] = 'MW-09' OR [LOCID] LIKE 'SB-*' OR [LOCID] = 'SS-03' OR [LOCID] = 'SS-04' OR [LOCID] = 'SS-05' OR [LOCID] = 'SS-06') AND NOT ([SED] = '0.167' OR [SED] = '0.5' OR [SED] = '1.5' OR [SED] = '2')

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-04	SB-04	SB-04	SB-04	SB-04
Sample ID					SB-4 (6-8)	SB-4 (8-10)	SB-4 (10-12)	SB-4 (12-14)	SB-4 (14-16)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					6.0-8.0	8.0-10.0	10.0-12.0	12.0-14.0	14.0-16.0
Date Sampled					05/16/13	05/16/13	05/16/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Metals									
Chromium	MG/KG	30	NS	36	3.3	12.6	NA	16.9	20.2
Cobalt	MG/KG	20	-	30	1.7 J	4.4 J	NA	9.4	11.3
Copper	MG/KG	50	1720	270	3.2 J	9.7 J	NA	10.9 J	14.6 J
Iron	MG/KG	2000	-	2000	4,540	11,100	NA	22,500	25,300
Lead	MG/KG	63	450	400	13.6 J	58.3 J	NA	0.77 J	1.0 J
Magnesium	MG/KG	-	-	-	793	7,130	NA	3,600	8,140
Manganese	MG/KG	1600	2000	2000	28.8	182	NA	184	518
Mercury	MG/KG	0.18	0.73	0.81	0.056	0.11	NA		0.036 J
Nickel	MG/KG	30	130	140		7.4 J	NA	11.8 J	15.4 J
Potassium	MG/KG	-	-	-			NA	1,900 J	2,570 J
Selenium	MG/KG	3.9	4	36			NA		
Silver	MG/KG	2	8.3	36			NA		
Sodium	MG/KG	-	-	-			NA	504 J	501 J
Thallium	MG/KG	5	-	-			NA		
Vanadium	MG/KG	39	-	100	5.6 J	15.8	NA	32.1	32.4
Zinc	MG/KG	109	2480	2200	34.5	58.5	NA	55.8	63.7

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-04	SB-04	SB-05	SB-05	SB-05
Sample ID					SB-4 (16-18)	SB-4 (18-20)	SB-5 (2-4)	SB-5 (4-6)	SB-5 (6-8)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					16.0-18.0	18.0-20.0	2.0-4.0	4.0-6.0	6.0-8.0
Date Sampled					05/16/13	05/16/13	05/16/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Volatile Organic Compounds									
4-Methyl-2-pentanone	MG/KG	1	1	-					
Acetone	MG/KG	0.05	0.05	100	0.012 J	0.011 J			
Carbon disulfide	MG/KG	2.7	2.7	100					
Chlorobenzene	MG/KG	1.1	1.1	100					
Ethylbenzene	MG/KG	1	1	30					
Methyl ethyl ketone (2-Butanone)	MG/KG	0.12	0.12	-					
Methylene chloride	MG/KG	0.05	0.05	51					
Toluene	MG/KG	0.7	0.7	100					
Vinyl chloride	MG/KG	0.02	0.02	0.21					
Xylene (total)	MG/KG	0.26	1.6	100					
Semivolatile Organic Compounds									
1,1-Biphenyl	MG/KG	60	-	-					
2,4,5-Trichlorophenol	MG/KG	0.1	0.1	100					
2,4-Dichlorophenol	MG/KG	0.4	0.4	100					
2-Methylnaphthalene	MG/KG	0.41	36.4	0.41					
2-Methylphenol (o-cresol)	MG/KG	0.33	0.33	100					
4-Methylphenol (p-cresol)	MG/KG	0.33	0.33	34					
Acenaphthene	MG/KG	20	98	100					
Acenaphthylene	MG/KG	100	107	100					
Acetophenone	MG/KG	-	-	-					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-04	SB-04	SB-05	SB-05	SB-05
Sample ID					SB-4 (16-18)	SB-4 (18-20)	SB-5 (2-4)	SB-5 (4-6)	SB-5 (6-8)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					16.0-18.0	18.0-20.0	2.0-4.0	4.0-6.0	6.0-8.0
Date Sampled					05/16/13	05/16/13	05/16/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Semivolatile Organic Compounds									
Anthracene	MG/KG	100	1000	100					
Atrazine	MG/KG	-	-	-					
Benzaldehyde	MG/KG	-	-	-					0.15 J
Benzo(a)anthracene	MG/KG	1	1	1					
Benzo(a)pyrene	MG/KG	1	22	1					
Benzo(b)fluoranthene	MG/KG	1	1.7	1					
Benzo(g,h,i)perylene	MG/KG	100	1000	100					
Benzo(k)fluoranthene	MG/KG	0.8	1.7	1					
bis(2-Ethylhexyl)phthalate	MG/KG	50	435	50					
Butylbenzylphthalate	MG/KG	100	122	100					
Carbazole	MG/KG	-	-	-					
Chrysene	MG/KG	1	1	1					
Dibenz(a,h)anthracene	MG/KG	0.33	1000	0.33					
Dibenzofuran	MG/KG	7	210	14					
Di-n-octylphthalate	MG/KG	100	120	100					
Fluoranthene	MG/KG	100	1000	100					
Fluorene	MG/KG	30	386	100					
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	8.2	0.5					
Isophorone	MG/KG	4.4	4.4	100					
Naphthalene	MG/KG	12	12	100					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

[MATRIX] = 'SO' AND ([LOCID] = 'MW-02' OR [LOCID] = 'MW-03' OR [LOCID] = 'MW-08' OR [LOCID] = 'MW-09' OR [LOCID] LIKE 'SB-*' OR [LOCID] = 'SS-03' OR [LOCID] = 'SS-04' OR [LOCID] = 'SS-05' OR [LOCID] = 'SS-06') AND NOT ([SED] = '0.167' OR [SED] = '0.5' OR [SED] = '1.5' OR [SED] = '2')

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-04	SB-04	SB-05	SB-05	SB-05
Sample ID					SB-4 (16-18)	SB-4 (18-20)	SB-5 (2-4)	SB-5 (4-6)	SB-5 (6-8)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					16.0-18.0	18.0-20.0	2.0-4.0	4.0-6.0	6.0-8.0
Date Sampled					05/16/13	05/16/13	05/16/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Semivolatile Organic Compounds									
Phenanthrene	MG/KG	100	1000	100					
Phenol	MG/KG	0.33	0.33	100					
Pyrene	MG/KG	100	1000	100					
Pesticide Organic Compounds									
4,4'-DDD	MG/KG	0.0033	14	2.6				0.0069 J	0.015 J
4,4'-DDE	MG/KG	0.0033	17	1.8				0.0063	0.0041 J
4,4'-DDT	MG/KG	0.0033	136	1.7				0.0022	0.0018 NJ
Aldrin	MG/KG	0.005	0.19	0.019					
alpha-BHC	MG/KG	0.02	0.02	0.097					
alpha-Chlordane	MG/KG	0.094	2.9	0.91					
beta-BHC	MG/KG	0.036	0.09	0.072					
delta-BHC	MG/KG	0.04	0.25	100					
Dieldrin	MG/KG	0.005	0.1	0.039					0.030 J
Endosulfan I	MG/KG	2.4	102	4.8					
Endosulfan II	MG/KG	2.4	102	4.8					
Endosulfan sulfate	MG/KG	2.4	1000	4.8					
Endrin	MG/KG	0.014	0.06	2.2					
Endrin aldehyde	MG/KG	-	-	-					
Endrin ketone	MG/KG	-	-	-					0.030 NJ
gamma-BHC (Lindane)	MG/KG	0.1	0.1	0.28					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-04	SB-04	SB-05	SB-05	SB-05
Sample ID					SB-4 (16-18)	SB-4 (18-20)	SB-5 (2-4)	SB-5 (4-6)	SB-5 (6-8)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					16.0-18.0	18.0-20.0	2.0-4.0	4.0-6.0	6.0-8.0
Date Sampled					05/16/13	05/16/13	05/16/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Pesticide Organic Compounds									
gamma-Chlordane	MG/KG	0.54	14	0.54					
Heptachlor	MG/KG	0.042	0.38	0.42					
Heptachlor epoxide	MG/KG	0.02	0.02	0.077					
Methoxychlor	MG/KG	1.2	900	100					
Herbicides									
2,4,5-T	MG/KG	1.9	1.9	100					
2,4,5-TP (Silvex)	MG/KG	3.8	3.8	58					
2,4-D	MG/KG	0.5	0.5	100					
2,4-DB	MG/KG	-	-	-					
Dicamba	MG/KG	-	-	-					
Dinoseb	MG/KG	-	-	-					
Picrolam	MG/KG	-	-	-					
Metals									
Aluminum	MG/KG	10000	-	-	8,010	13,600	6,030	5,120	5,650
Antimony	MG/KG	12	-	-					
Arsenic	MG/KG	13	16	16	2.9	2.6	1.1	1.1 J	1.3
Barium	MG/KG	350	820	350	44.5 J	180 J	15.5 J	16.9 J	19.5 J
Beryllium	MG/KG	7.2	47	14	0.22 J	0.48 J	0.16 J	0.15 J	0.12 J
Cadmium	MG/KG	2.5	7.5	2.5					
Calcium	MG/KG	10000	-	-	16,500	14,200	799	890	1,570

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-04	SB-04	SB-05	SB-05	SB-05
Sample ID					SB-4 (16-18)	SB-4 (18-20)	SB-5 (2-4)	SB-5 (4-6)	SB-5 (6-8)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					16.0-18.0	18.0-20.0	2.0-4.0	4.0-6.0	6.0-8.0
Date Sampled					05/16/13	05/16/13	05/16/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Metals									
Chromium	MG/KG	30	NS	36	13.0	19.6	4.6	4.5	6.7
Cobalt	MG/KG	20	-	30	7.6	11.5	2.5 J	2.4 J	3.3 J
Copper	MG/KG	50	1720	270	8.0 J	12.0 J	2.9 J	4.8 J	14.5 J
Iron	MG/KG	2000	-	2000	17,800	27,400	6,220	6,110	7,950
Lead	MG/KG	63	450	400			15.6 J	52.1 J	17.1 J
Magnesium	MG/KG	-	-	-	5,820	8,020	913	1,010	1,650
Manganese	MG/KG	1600	2000	2000	266	371	105	44.6	69.3
Mercury	MG/KG	0.18	0.73	0.81	0.033 J		0.042	0.051	0.058
Nickel	MG/KG	30	130	140	8.9 J	14.0 J			
Potassium	MG/KG	-	-	-	1,150 J	2,160 J			
Selenium	MG/KG	3.9	4	36					
Silver	MG/KG	2	8.3	36					
Sodium	MG/KG	-	-	-	522 J	712			
Thallium	MG/KG	5	-	-					
Vanadium	MG/KG	39	-	100	27.7	35.4	8.9	8.5	12.8
Zinc	MG/KG	109	2480	2200	41.0	77.2	25.6	26.0	46.9

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-05	SB-05	SB-05	SB-05	SB-05
Sample ID					SB-5 (8-10)	SB-5 (10-12)	SB-5 (12-14)	SB-5 (14-16)	SB-5 (16-18)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					8.0-10.0	10.0-12.0	12.0-14.0	14.0-16.0	16.0-18.0
Date Sampled					05/16/13	05/17/13	05/17/13	05/17/13	05/17/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Volatile Organic Compounds									
4-Methyl-2-pentanone	MG/KG	1	1	-	NA	NA	NA		
Acetone	MG/KG	0.05	0.05	100	NA	NA	NA	0.021 J	0.012 J
Carbon disulfide	MG/KG	2.7	2.7	100	NA	NA	NA		
Chlorobenzene	MG/KG	1.1	1.1	100	NA	NA	NA		
Ethylbenzene	MG/KG	1	1	30	NA	NA	NA		
Methyl ethyl ketone (2-Butanone)	MG/KG	0.12	0.12	-	NA	NA	NA		
Methylene chloride	MG/KG	0.05	0.05	51	NA	NA	NA		
Toluene	MG/KG	0.7	0.7	100	NA	NA	NA		
Vinyl chloride	MG/KG	0.02	0.02	0.21	NA	NA	NA		
Xylene (total)	MG/KG	0.26	1.6	100	NA	NA	NA		
Semivolatile Organic Compounds									
1,1-Biphenyl	MG/KG	60	-	-					
2,4,5-Trichlorophenol	MG/KG	0.1	0.1	100					
2,4-Dichlorophenol	MG/KG	0.4	0.4	100					
2-Methylnaphthalene	MG/KG	0.41	36.4	0.41					
2-Methylphenol (o-cresol)	MG/KG	0.33	0.33	100					
4-Methylphenol (p-cresol)	MG/KG	0.33	0.33	34					
Acenaphthene	MG/KG	20	98	100					
Acenaphthylene	MG/KG	100	107	100					
Acetophenone	MG/KG	-	-	-					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-05	SB-05	SB-05	SB-05	SB-05
Sample ID					SB-5 (8-10)	SB-5 (10-12)	SB-5 (12-14)	SB-5 (14-16)	SB-5 (16-18)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					8.0-10.0	10.0-12.0	12.0-14.0	14.0-16.0	16.0-18.0
Date Sampled					05/16/13	05/17/13	05/17/13	05/17/13	05/17/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Semivolatile Organic Compounds									
Anthracene	MG/KG	100	1000	100					
Atrazine	MG/KG	-	-	-	0.18 J				
Benzaldehyde	MG/KG	-	-	-					
Benzo(a)anthracene	MG/KG	1	1	1					
Benzo(a)pyrene	MG/KG	1	22	1					
Benzo(b)fluoranthene	MG/KG	1	1.7	1					
Benzo(g,h,i)perylene	MG/KG	100	1000	100					
Benzo(k)fluoranthene	MG/KG	0.8	1.7	1					
bis(2-Ethylhexyl)phthalate	MG/KG	50	435	50					
Butylbenzylphthalate	MG/KG	100	122	100					
Carbazole	MG/KG	-	-	-	0.15 J	0.18 J			
Chrysene	MG/KG	1	1	1					
Dibenz(a,h)anthracene	MG/KG	0.33	1000	0.33					
Dibenzofuran	MG/KG	7	210	14					
Di-n-octylphthalate	MG/KG	100	120	100					
Fluoranthene	MG/KG	100	1000	100		0.10 J			
Fluorene	MG/KG	30	386	100					
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	8.2	0.5					
Isophorone	MG/KG	4.4	4.4	100					
Naphthalene	MG/KG	12	12	100					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

[MATRIX] = 'SO' AND ([LOCID] = 'MW-02' OR [LOCID] = 'MW-03' OR [LOCID] = 'MW-08' OR [LOCID] = 'MW-09' OR [LOCID] LIKE 'SB-*' OR [LOCID] = 'SS-03' OR [LOCID] = 'SS-04' OR [LOCID] = 'SS-05' OR [LOCID] = 'SS-06') AND NOT ([SED] = '0.167' OR [SED] = '0.5' OR [SED] = '1.5' OR [SED] = '2')

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-05	SB-05	SB-05	SB-05	SB-05
Sample ID					SB-5 (8-10)	SB-5 (10-12)	SB-5 (12-14)	SB-5 (14-16)	SB-5 (16-18)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					8.0-10.0	10.0-12.0	12.0-14.0	14.0-16.0	16.0-18.0
Date Sampled					05/16/13	05/17/13	05/17/13	05/17/13	05/17/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Semivolatile Organic Compounds									
Phenanthrene	MG/KG	100	1000	100					
Phenol	MG/KG	0.33	0.33	100					
Pyrene	MG/KG	100	1000	100		0.10 J			
Pesticide Organic Compounds									
4,4'-DDD	MG/KG	0.0033	14	2.6	0.0033 J	0.041	0.0048	0.0017 NJ	
4,4'-DDE	MG/KG	0.0033	17	1.8		0.010	0.0024		
4,4'-DDT	MG/KG	0.0033	136	1.7		0.0030			
Aldrin	MG/KG	0.005	0.19	0.019		0.27 D	0.097 J	0.0042	
alpha-BHC	MG/KG	0.02	0.02	0.097					
alpha-Chlordane	MG/KG	0.094	2.9	0.91					
beta-BHC	MG/KG	0.036	0.09	0.072					
delta-BHC	MG/KG	0.04	0.25	100					
Dieldrin	MG/KG	0.005	0.1	0.039	0.019	0.070 J	0.012		
Endosulfan I	MG/KG	2.4	102	4.8		0.0014 NJ			
Endosulfan II	MG/KG	2.4	102	4.8					
Endosulfan sulfate	MG/KG	2.4	1000	4.8					
Endrin	MG/KG	0.014	0.06	2.2					
Endrin aldehyde	MG/KG	-	-	-					
Endrin ketone	MG/KG	-	-	-					
gamma-BHC (Lindane)	MG/KG	0.1	0.1	0.28					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-05	SB-05	SB-05	SB-05	SB-05
Sample ID					SB-5 (8-10)	SB-5 (10-12)	SB-5 (12-14)	SB-5 (14-16)	SB-5 (16-18)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					8.0-10.0	10.0-12.0	12.0-14.0	14.0-16.0	16.0-18.0
Date Sampled					05/16/13	05/17/13	05/17/13	05/17/13	05/17/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Pesticide Organic Compounds									
gamma-Chlordane	MG/KG	0.54	14	0.54					
Heptachlor	MG/KG	0.042	0.38	0.42					
Heptachlor epoxide	MG/KG	0.02	0.02	0.077		0.0022 J			
Methoxychlor	MG/KG	1.2	900	100					
Herbicides									
2,4,5-T	MG/KG	1.9	1.9	100					
2,4,5-TP (Silvex)	MG/KG	3.8	3.8	58				0.0074	
2,4-D	MG/KG	0.5	0.5	100					
2,4-DB	MG/KG	-	-	-	0.023				
Dicamba	MG/KG	-	-	-					
Dinoseb	MG/KG	-	-	-					
Picrolam	MG/KG	-	-	-					
Metals									
Aluminum	MG/KG	10000	-	-	NA	NA	NA	9,870	10,200
Antimony	MG/KG	12	-	-	NA	NA	NA		
Arsenic	MG/KG	13	16	16	NA	NA	NA	3.8	2.0
Barium	MG/KG	350	820	350	NA	NA	NA	54.4	59.0
Beryllium	MG/KG	7.2	47	14	NA	NA	NA		
Cadmium	MG/KG	2.5	7.5	2.5	NA	NA	NA		
Calcium	MG/KG	10000	-	-	NA	NA	NA	13,300	21,200

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-05	SB-05	SB-05	SB-05	SB-05
Sample ID					SB-5 (8-10)	SB-5 (10-12)	SB-5 (12-14)	SB-5 (14-16)	SB-5 (16-18)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					8.0-10.0	10.0-12.0	12.0-14.0	14.0-16.0	16.0-18.0
Date Sampled					05/16/13	05/17/13	05/17/13	05/17/13	05/17/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Metals									
Chromium	MG/KG	30	NS	36	NA	NA	NA	17.3	20.9
Cobalt	MG/KG	20	-	30	NA	NA	NA	9.4	8.4
Copper	MG/KG	50	1720	270	NA	NA	NA	7.2	7.9
Iron	MG/KG	2000	-	2000	NA	NA	NA	21,400	19,300
Lead	MG/KG	63	450	400	NA	NA	NA	0.23 J+	3.2 J+
Magnesium	MG/KG	-	-	-	NA	NA	NA	5,240	5,300
Manganese	MG/KG	1600	2000	2000	NA	NA	NA	316	319
Mercury	MG/KG	0.18	0.73	0.81	NA	NA	NA		
Nickel	MG/KG	30	130	140	NA	NA	NA	9.9	9.6
Potassium	MG/KG	-	-	-	NA	NA	NA	2,180	2,130
Selenium	MG/KG	3.9	4	36	NA	NA	NA		
Silver	MG/KG	2	8.3	36	NA	NA	NA		
Sodium	MG/KG	-	-	-	NA	NA	NA	768	730
Thallium	MG/KG	5	-	-	NA	NA	NA		
Vanadium	MG/KG	39	-	100	NA	NA	NA	33.9	35.3
Zinc	MG/KG	109	2480	2200	NA	NA	NA	50.5	57.0

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-05	SB-06	SB-06	SB-06	SB-06
Sample ID					SB-5 (18-20)	SB-6 (2-4)	SB-6 (4-6)	SB-6 (6-8)	SB-6 (8-10)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					18.0-20.0	2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0
Date Sampled					05/17/13	05/17/13	05/17/13	05/17/13	05/17/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Volatile Organic Compounds									
4-Methyl-2-pentanone	MG/KG	1	1	-					
Acetone	MG/KG	0.05	0.05	100	0.011 J			0.023 J	0.028 J
Carbon disulfide	MG/KG	2.7	2.7	100					
Chlorobenzene	MG/KG	1.1	1.1	100					
Ethylbenzene	MG/KG	1	1	30					
Methyl ethyl ketone (2-Butanone)	MG/KG	0.12	0.12	-					
Methylene chloride	MG/KG	0.05	0.05	51					
Toluene	MG/KG	0.7	0.7	100	0.0010 J				
Vinyl chloride	MG/KG	0.02	0.02	0.21					
Xylene (total)	MG/KG	0.26	1.6	100					
Semivolatile Organic Compounds									
1,1-Biphenyl	MG/KG	60	-	-					
2,4,5-Trichlorophenol	MG/KG	0.1	0.1	100					
2,4-Dichlorophenol	MG/KG	0.4	0.4	100					
2-Methylnaphthalene	MG/KG	0.41	36.4	0.41					0.19 J
2-Methylphenol (o-cresol)	MG/KG	0.33	0.33	100					
4-Methylphenol (p-cresol)	MG/KG	0.33	0.33	34				0.080 J	
Acenaphthene	MG/KG	20	98	100					0.28 J
Acenaphthylene	MG/KG	100	107	100					
Acetophenone	MG/KG	-	-	-					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-05	SB-06	SB-06	SB-06	SB-06
Sample ID					SB-5 (18-20)	SB-6 (2-4)	SB-6 (4-6)	SB-6 (6-8)	SB-6 (8-10)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					18.0-20.0	2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0
Date Sampled					05/17/13	05/17/13	05/17/13	05/17/13	05/17/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Semivolatile Organic Compounds									
Anthracene	MG/KG	100	1000	100					0.32 J
Atrazine	MG/KG	-	-	-					0.30 J
Benzaldehyde	MG/KG	-	-	-					
Benzo(a)anthracene	MG/KG	1	1	1					1.0
Benzo(a)pyrene	MG/KG	1	22	1					0.77
Benzo(b)fluoranthene	MG/KG	1	1.7	1					1.1
Benzo(g,h,i)perylene	MG/KG	100	1000	100					0.38 J
Benzo(k)fluoranthene	MG/KG	0.8	1.7	1					0.26 J
bis(2-Ethylhexyl)phthalate	MG/KG	50	435	50					
Butylbenzylphthalate	MG/KG	100	122	100					
Carbazole	MG/KG	-	-	-					0.33 J
Chrysene	MG/KG	1	1	1					1.2
Dibenz(a,h)anthracene	MG/KG	0.33	1000	0.33					0.12 J
Dibenzofuran	MG/KG	7	210	14					0.21 J
Di-n-octylphthalate	MG/KG	100	120	100					
Fluoranthene	MG/KG	100	1000	100					2.7
Fluorene	MG/KG	30	386	100					0.21 J
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	8.2	0.5					0.30 J
Isophorone	MG/KG	4.4	4.4	100					
Naphthalene	MG/KG	12	12	100					0.58

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-05	SB-06	SB-06	SB-06	SB-06
Sample ID					SB-5 (18-20)	SB-6 (2-4)	SB-6 (4-6)	SB-6 (6-8)	SB-6 (8-10)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					18.0-20.0	2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0
Date Sampled					05/17/13	05/17/13	05/17/13	05/17/13	05/17/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Semivolatile Organic Compounds									
Phenanthrene	MG/KG	100	1000	100					2.2
Phenol	MG/KG	0.33	0.33	100					
Pyrene	MG/KG	100	1000	100					2.1
Pesticide Organic Compounds									
4,4'-DDD	MG/KG	0.0033	14	2.6	0.0011 J		0.0031 J	0.0068	
4,4'-DDE	MG/KG	0.0033	17	1.8		0.0010 J	0.0020 J	0.0070	
4,4'-DDT	MG/KG	0.0033	136	1.7		0.0025	0.0025	0.0018 J	
Aldrin	MG/KG	0.005	0.19	0.019	0.0036				
alpha-BHC	MG/KG	0.02	0.02	0.097					
alpha-Chlordane	MG/KG	0.094	2.9	0.91					
beta-BHC	MG/KG	0.036	0.09	0.072					
delta-BHC	MG/KG	0.04	0.25	100					
Dieldrin	MG/KG	0.005	0.1	0.039			0.0025 NJ	0.0037 J	
Endosulfan I	MG/KG	2.4	102	4.8					
Endosulfan II	MG/KG	2.4	102	4.8					
Endosulfan sulfate	MG/KG	2.4	1000	4.8					
Endrin	MG/KG	0.014	0.06	2.2					
Endrin aldehyde	MG/KG	-	-	-					
Endrin ketone	MG/KG	-	-	-					
gamma-BHC (Lindane)	MG/KG	0.1	0.1	0.28					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-05	SB-06	SB-06	SB-06	SB-06
Sample ID					SB-5 (18-20)	SB-6 (2-4)	SB-6 (4-6)	SB-6 (6-8)	SB-6 (8-10)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					18.0-20.0	2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0
Date Sampled					05/17/13	05/17/13	05/17/13	05/17/13	05/17/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Pesticide Organic Compounds									
gamma-Chlordane	MG/KG	0.54	14	0.54					
Heptachlor	MG/KG	0.042	0.38	0.42					
Heptachlor epoxide	MG/KG	0.02	0.02	0.077					
Methoxychlor	MG/KG	1.2	900	100					
Herbicides									
2,4,5-T	MG/KG	1.9	1.9	100					
2,4,5-TP (Silvex)	MG/KG	3.8	3.8	58					0.08
2,4-D	MG/KG	0.5	0.5	100					
2,4-DB	MG/KG	-	-	-				0.019 NJ	
Dicamba	MG/KG	-	-	-					
Dinoseb	MG/KG	-	-	-					
Picrolam	MG/KG	-	-	-					
Metals									
Aluminum	MG/KG	10000	-	-	6,650	4,710	5,710	5,300	899
Antimony	MG/KG	12	-	-	0.24 J		0.16 J		
Arsenic	MG/KG	13	16	16	4.2	1.0 J	0.88 J	0.94 J	2.0
Barium	MG/KG	350	820	350	62.1	14.1 J	22.4	18.9 J	26.4
Beryllium	MG/KG	7.2	47	14					
Cadmium	MG/KG	2.5	7.5	2.5					
Calcium	MG/KG	10000	-	-	35,200	2,240	1,100	925	1,470

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-05	SB-06	SB-06	SB-06	SB-06
Sample ID					SB-5 (18-20)	SB-6 (2-4)	SB-6 (4-6)	SB-6 (6-8)	SB-6 (8-10)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					18.0-20.0	2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0
Date Sampled					05/17/13	05/17/13	05/17/13	05/17/13	05/17/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Metals									
Chromium	MG/KG	30	NS	36	15.4	6.3	6.3	5.5	1.6
Cobalt	MG/KG	20	-	30	8.1	3.5 J	3.1 J	2.3 J	0.77 J
Copper	MG/KG	50	1720	270	16.0		11.3	3.2	6.1
Iron	MG/KG	2000	-	2000	18,600	8,510	7,760	7,060	2,720
Lead	MG/KG	63	450	400	8.4 J+	1.3 J+	26.3 J+	28.5 J+	13.4 J+
Magnesium	MG/KG	-	-	-	8,540	1,190	1,050	1,040	139 J
Manganese	MG/KG	1600	2000	2000	304	88.7	72.3	37.4	14.3
Mercury	MG/KG	0.18	0.73	0.81			0.032 J		0.036 J
Nickel	MG/KG	30	130	140	15.0				
Potassium	MG/KG	-	-	-	1,500				
Selenium	MG/KG	3.9	4	36					0.77 J
Silver	MG/KG	2	8.3	36					
Sodium	MG/KG	-	-	-	277 J				
Thallium	MG/KG	5	-	-					
Vanadium	MG/KG	39	-	100	21.0	13.7	11.6	10.6	1.6 J
Zinc	MG/KG	109	2480	2200	58.9	16.8	44.6	49.2	4.1

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-06	SB-06	SB-06	SB-06	SB-06
Sample ID					SB-6 (10-12)	SB-6 (12-14)	SB-6 (14-16)	SB-6 (16-18)	SB-6 (18-20)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					10.0-12.0	12.0-14.0	14.0-16.0	16.0-18.0	18.0-20.0
Date Sampled					05/17/13	05/17/13	05/17/13	05/17/13	05/17/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Volatile Organic Compounds									
4-Methyl-2-pentanone	MG/KG	1	1	-					
Acetone	MG/KG	0.05	0.05	100	0.051 J	0.031 J	0.010 J	0.011 J	
Carbon disulfide	MG/KG	2.7	2.7	100					
Chlorobenzene	MG/KG	1.1	1.1	100					
Ethylbenzene	MG/KG	1	1	30					
Methyl ethyl ketone (2-Butanone)	MG/KG	0.12	0.12	-	0.011 J	0.012 J			
Methylene chloride	MG/KG	0.05	0.05	51					0.0020 J
Toluene	MG/KG	0.7	0.7	100					
Vinyl chloride	MG/KG	0.02	0.02	0.21					
Xylene (total)	MG/KG	0.26	1.6	100					
Semivolatile Organic Compounds									
1,1-Biphenyl	MG/KG	60	-	-					
2,4,5-Trichlorophenol	MG/KG	0.1	0.1	100					
2,4-Dichlorophenol	MG/KG	0.4	0.4	100					
2-Methylnaphthalene	MG/KG	0.41	36.4	0.41					
2-Methylphenol (o-cresol)	MG/KG	0.33	0.33	100					
4-Methylphenol (p-cresol)	MG/KG	0.33	0.33	34					
Acenaphthene	MG/KG	20	98	100					
Acenaphthylene	MG/KG	100	107	100					
Acetophenone	MG/KG	-	-	-					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

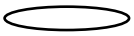
Location ID					SB-06	SB-06	SB-06	SB-06	SB-06
Sample ID					SB-6 (10-12)	SB-6 (12-14)	SB-6 (14-16)	SB-6 (16-18)	SB-6 (18-20)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					10.0-12.0	12.0-14.0	14.0-16.0	16.0-18.0	18.0-20.0
Date Sampled					05/17/13	05/17/13	05/17/13	05/17/13	05/17/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Semivolatile Organic Compounds									
Anthracene	MG/KG	100	1000	100					
Atrazine	MG/KG	-	-	-					
Benzaldehyde	MG/KG	-	-	-					
Benzo(a)anthracene	MG/KG	1	1	1					
Benzo(a)pyrene	MG/KG	1	22	1					
Benzo(b)fluoranthene	MG/KG	1	1.7	1					
Benzo(g,h,i)perylene	MG/KG	100	1000	100					
Benzo(k)fluoranthene	MG/KG	0.8	1.7	1					
bis(2-Ethylhexyl)phthalate	MG/KG	50	435	50					
Butylbenzylphthalate	MG/KG	100	122	100					
Carbazole	MG/KG	-	-	-					
Chrysene	MG/KG	1	1	1					
Dibenz(a,h)anthracene	MG/KG	0.33	1000	0.33					
Dibenzofuran	MG/KG	7	210	14					
Di-n-octylphthalate	MG/KG	100	120	100					
Fluoranthene	MG/KG	100	1000	100					
Fluorene	MG/KG	30	386	100					
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	8.2	0.5					
Isophorone	MG/KG	4.4	4.4	100					
Naphthalene	MG/KG	12	12	100					

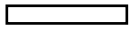
Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

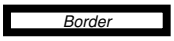
Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.


Concentration Exceeds Criteria 1


Concentration Exceeds Criteria (2)



Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-06	SB-06	SB-06	SB-06	SB-06
Sample ID					SB-6 (10-12)	SB-6 (12-14)	SB-6 (14-16)	SB-6 (16-18)	SB-6 (18-20)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					10.0-12.0	12.0-14.0	14.0-16.0	16.0-18.0	18.0-20.0
Date Sampled					05/17/13	05/17/13	05/17/13	05/17/13	05/17/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Semivolatile Organic Compounds									
Phenanthrene	MG/KG	100	1000	100					
Phenol	MG/KG	0.33	0.33	100					
Pyrene	MG/KG	100	1000	100					
Pesticide Organic Compounds									
4,4'-DDD	MG/KG	0.0033	14	2.6					
4,4'-DDE	MG/KG	0.0033	17	1.8					
4,4'-DDT	MG/KG	0.0033	136	1.7					
Aldrin	MG/KG	0.005	0.19	0.019					
alpha-BHC	MG/KG	0.02	0.02	0.097					
alpha-Chlordane	MG/KG	0.094	2.9	0.91					
beta-BHC	MG/KG	0.036	0.09	0.072					
delta-BHC	MG/KG	0.04	0.25	100					
Dieldrin	MG/KG	0.005	0.1	0.039					
Endosulfan I	MG/KG	2.4	102	4.8					
Endosulfan II	MG/KG	2.4	102	4.8					
Endosulfan sulfate	MG/KG	2.4	1000	4.8					
Endrin	MG/KG	0.014	0.06	2.2					
Endrin aldehyde	MG/KG	-	-	-					
Endrin ketone	MG/KG	-	-	-					
gamma-BHC (Lindane)	MG/KG	0.1	0.1	0.28					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

[MATRIX] = 'SO' AND ([LOCID] = 'MW-02' OR [LOCID] = 'MW-03' OR [LOCID] = 'MW-08' OR [LOCID] = 'MW-09' OR [LOCID] LIKE 'SB-*' OR [LOCID] = 'SS-03' OR [LOCID] = 'SS-04' OR [LOCID] = 'SS-05' OR [LOCID] = 'SS-06') AND NOT ([SED] = '0.167' OR [SED] = '0.5' OR [SED] = '1.5' OR [SED] = '2')

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-06	SB-06	SB-06	SB-06	SB-06
Sample ID					SB-6 (10-12)	SB-6 (12-14)	SB-6 (14-16)	SB-6 (16-18)	SB-6 (18-20)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					10.0-12.0	12.0-14.0	14.0-16.0	16.0-18.0	18.0-20.0
Date Sampled					05/17/13	05/17/13	05/17/13	05/17/13	05/17/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Pesticide Organic Compounds									
gamma-Chlordane	MG/KG	0.54	14	0.54					
Heptachlor	MG/KG	0.042	0.38	0.42					
Heptachlor epoxide	MG/KG	0.02	0.02	0.077					
Methoxychlor	MG/KG	1.2	900	100					
Herbicides									
2,4,5-T	MG/KG	1.9	1.9	100					
2,4,5-TP (Silvex)	MG/KG	3.8	3.8	58					
2,4-D	MG/KG	0.5	0.5	100					
2,4-DB	MG/KG	-	-	-					
Dicamba	MG/KG	-	-	-					
Dinoseb	MG/KG	-	-	-					
Picrolam	MG/KG	-	-	-					
Metals									
Aluminum	MG/KG	10000	-	-	17,200	7,840	10,900	8,310	4,650
Antimony	MG/KG	12	-	-		0.91 J			0.66 J
Arsenic	MG/KG	13	16	16	3.0	7.4	2.4	2.0	5.7
Barium	MG/KG	350	820	350	105	39.5	100	93.3	61.8
Beryllium	MG/KG	7.2	47	14	0.94	0.64			
Cadmium	MG/KG	2.5	7.5	2.5					
Calcium	MG/KG	10000	-	-	3,190	2,240	9,660	16,700	44,700

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

Advanced Selection: Site Subsurface
J:\Projects\11176892\DB\EDMS.mde
Printed: 8/19/2014 9:31:34 AM
[MATRIX] = 'SO' AND ([LOCID] = 'MW-02' OR [LOCID] = 'MW-03' OR [LOCID] = 'MW-08' OR [LOCID] = 'MW-09' OR [LOCID] LIKE 'SB-*' OR [LOCID] = 'SS-03' OR [LOCID] = 'SS-04' OR [LOCID] = 'SS-05' OR [LOCID] = 'SS-06') AND NOT ([SED] = '0.167' OR [SED] = '0.5' OR [SED] = '1.5' OR [SED] = '2')

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-06	SB-06	SB-06	SB-06	SB-06
Sample ID					SB-6 (10-12)	SB-6 (12-14)	SB-6 (14-16)	SB-6 (16-18)	SB-6 (18-20)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					10.0-12.0	12.0-14.0	14.0-16.0	16.0-18.0	18.0-20.0
Date Sampled					05/17/13	05/17/13	05/17/13	05/17/13	05/17/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Metals									
Chromium	MG/KG	30	NS	36	25.3	22.2	19.0	15.2	12.4
Cobalt	MG/KG	20	-	30	12.7	10.5	11.3	8.1	8.3
Copper	MG/KG	50	1720	270	20.7	31.2	10.1	7.1	17.0
Iron	MG/KG	2000	-	2000	22,800	29,300	22,800	19,500	16,800
Lead	MG/KG	63	450	400	3.9 J+	5.8 J+	0.31 J+		4.1 J+
Magnesium	MG/KG	-	-	-	3,090	3,000	6,450	5,750	10,500
Manganese	MG/KG	1600	2000	2000	175	121	271	269	317
Mercury	MG/KG	0.18	0.73	0.81	0.027 J	0.023 J			
Nickel	MG/KG	30	130	140	23.2	19.1	13.5	9.2	17.5
Potassium	MG/KG	-	-	-	1,510	1,430	1,590	1,260	1,140
Selenium	MG/KG	3.9	4	36					
Silver	MG/KG	2	8.3	36					
Sodium	MG/KG	-	-	-	178 J		564 J	537 J	
Thallium	MG/KG	5	-	-					
Vanadium	MG/KG	39	-	100	33.0	36.3	35.2	30.8	14.5
Zinc	MG/KG	109	2480	2200	76.2	86.5	51.6	40.8	42.7

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-07	SB-07	SB-07	SB-07	SB-07
Sample ID					SB-7 (2-4)	SB-7 (4-6)	SB-7 (6-8)	SB-7 (8-10)	SB-7 (10-12)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0	10.0-12.0
Date Sampled					05/22/13	05/22/13	05/22/13	05/22/13	05/22/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Volatile Organic Compounds									
4-Methyl-2-pentanone	MG/KG	1	1	-			NA	NA	NA
Acetone	MG/KG	0.05	0.05	100			NA	NA	NA
Carbon disulfide	MG/KG	2.7	2.7	100			NA	NA	NA
Chlorobenzene	MG/KG	1.1	1.1	100			NA	NA	NA
Ethylbenzene	MG/KG	1	1	30			NA	NA	NA
Methyl ethyl ketone (2-Butanone)	MG/KG	0.12	0.12	-			NA	NA	NA
Methylene chloride	MG/KG	0.05	0.05	51			NA	NA	NA
Toluene	MG/KG	0.7	0.7	100			NA	NA	NA
Vinyl chloride	MG/KG	0.02	0.02	0.21			NA	NA	NA
Xylene (total)	MG/KG	0.26	1.6	100			NA	NA	NA
Semivolatile Organic Compounds									
1,1-Biphenyl	MG/KG	60	-	-					
2,4,5-Trichlorophenol	MG/KG	0.1	0.1	100					
2,4-Dichlorophenol	MG/KG	0.4	0.4	100					
2-Methylnaphthalene	MG/KG	0.41	36.4	0.41			0.58	0.15 J	0.086 J
2-Methylphenol (o-cresol)	MG/KG	0.33	0.33	100					
4-Methylphenol (p-cresol)	MG/KG	0.33	0.33	34					
Acenaphthene	MG/KG	20	98	100					
Acenaphthylene	MG/KG	100	107	100					
Acetophenone	MG/KG	-	-	-					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-07	SB-07	SB-07	SB-07	SB-07
Sample ID					SB-7 (2-4)	SB-7 (4-6)	SB-7 (6-8)	SB-7 (8-10)	SB-7 (10-12)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0	10.0-12.0
Date Sampled					05/22/13	05/22/13	05/22/13	05/22/13	05/22/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Semivolatile Organic Compounds									
Anthracene	MG/KG	100	1000	100			0.078 J		
Atrazine	MG/KG	-	-	-					
Benzaldehyde	MG/KG	-	-	-					
Benzo(a)anthracene	MG/KG	1	1	1			0.13 J		
Benzo(a)pyrene	MG/KG	1	22	1			0.17 J		
Benzo(b)fluoranthene	MG/KG	1	1.7	1			0.29 J	0.091 J	
Benzo(g,h,i)perylene	MG/KG	100	1000	100			0.079 J		
Benzo(k)fluoranthene	MG/KG	0.8	1.7	1			0.10 J		
bis(2-Ethylhexyl)phthalate	MG/KG	50	435	50			0.077 J	0.27 J	
Butylbenzylphthalate	MG/KG	100	122	100					
Carbazole	MG/KG	-	-	-		0.14 J	0.17 J	0.17 J	0.15 J
Chrysene	MG/KG	1	1	1			0.20 J		
Dibenz(a,h)anthracene	MG/KG	0.33	1000	0.33					
Dibenzofuran	MG/KG	7	210	14			0.12 J		
Di-n-octylphthalate	MG/KG	100	120	100					
Fluoranthene	MG/KG	100	1000	100		0.12 J	0.36	0.14 J	0.095 J
Fluorene	MG/KG	30	386	100			0.080 J		
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	8.2	0.5			0.086 J		
Isophorone	MG/KG	4.4	4.4	100					
Naphthalene	MG/KG	12	12	100			0.45	0.16 J	0.083 J

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-07	SB-07	SB-07	SB-07	SB-07
Sample ID					SB-7 (2-4)	SB-7 (4-6)	SB-7 (6-8)	SB-7 (8-10)	SB-7 (10-12)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0	10.0-12.0
Date Sampled					05/22/13	05/22/13	05/22/13	05/22/13	05/22/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Semivolatile Organic Compounds									
Phenanthrene	MG/KG	100	1000	100		0.089 J	0.42	0.11 J	0.079 J
Phenol	MG/KG	0.33	0.33	100					
Pyrene	MG/KG	100	1000	100		0.085 J	0.30 J	0.12 J	0.081 J
Pesticide Organic Compounds									
4,4'-DDD	MG/KG	0.0033	14	2.6		0.0027 NJ	0.19 D	0.037	0.030
4,4'-DDE	MG/KG	0.0033	17	1.8	0.0023	0.0084	0.086 DJ	0.012 J	
4,4'-DDT	MG/KG	0.0033	136	1.7	0.0047	0.0051 J	0.0034 NJ	0.0035	0.0025 J
Aldrin	MG/KG	0.005	0.19	0.019			0.12 D	0.0089	0.0034
alpha-BHC	MG/KG	0.02	0.02	0.097					
alpha-Chlordane	MG/KG	0.094	2.9	0.91			0.0059		
beta-BHC	MG/KG	0.036	0.09	0.072				0.0012 J	
delta-BHC	MG/KG	0.04	0.25	100					
Dieldrin	MG/KG	0.005	0.1	0.039		0.0072 J	0.67 D	0.17 D	0.036
Endosulfan I	MG/KG	2.4	102	4.8			0.0010 J		
Endosulfan II	MG/KG	2.4	102	4.8					
Endosulfan sulfate	MG/KG	2.4	1000	4.8			0.0047 J		
Endrin	MG/KG	0.014	0.06	2.2			0.0069 NJ		
Endrin aldehyde	MG/KG	-	-	-					
Endrin ketone	MG/KG	-	-	-			0.0063 NJ		
gamma-BHC (Lindane)	MG/KG	0.1	0.1	0.28			0.0023 J		

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

[MATRIX] = 'SO' AND ([LOCID] = 'MW-02' OR [LOCID] = 'MW-03' OR [LOCID] = 'MW-08' OR [LOCID] = 'MW-09' OR [LOCID] LIKE 'SB-*' OR [LOCID] = 'SS-03' OR [LOCID] = 'SS-04' OR [LOCID] = 'SS-05' OR [LOCID] = 'SS-06') AND NOT ([SED] = '0.167' OR [SED] = '0.5' OR [SED] = '1.5' OR [SED] = '2')

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-07	SB-07	SB-07	SB-07	SB-07
Sample ID					SB-7 (2-4)	SB-7 (4-6)	SB-7 (6-8)	SB-7 (8-10)	SB-7 (10-12)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0	10.0-12.0
Date Sampled					05/22/13	05/22/13	05/22/13	05/22/13	05/22/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Pesticide Organic Compounds									
gamma-Chlordane	MG/KG	0.54	14	0.54					
Heptachlor	MG/KG	0.042	0.38	0.42					
Heptachlor epoxide	MG/KG	0.02	0.02	0.077			0.0030 NJ		
Methoxychlor	MG/KG	1.2	900	100					
Herbicides									
2,4,5-T	MG/KG	1.9	1.9	100					
2,4,5-TP (Silvex)	MG/KG	3.8	3.8	58					
2,4-D	MG/KG	0.5	0.5	100					
2,4-DB	MG/KG	-	-	-					
Dicamba	MG/KG	-	-	-					
Dinoseb	MG/KG	-	-	-					
Picrolam	MG/KG	-	-	-					
Metals									
Aluminum	MG/KG	10000	-	-	NA	5,160	NA	NA	NA
Antimony	MG/KG	12	-	-	NA		NA	NA	NA
Arsenic	MG/KG	13	16	16	NA	1.0 J	NA	NA	NA
Barium	MG/KG	350	820	350	NA	17.0 J	NA	NA	NA
Beryllium	MG/KG	7.2	47	14	NA		NA	NA	NA
Cadmium	MG/KG	2.5	7.5	2.5	NA		NA	NA	NA
Calcium	MG/KG	10000	-	-	NA	1,230	NA	NA	NA

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-07	SB-07	SB-07	SB-07	SB-07
Sample ID					SB-7 (2-4)	SB-7 (4-6)	SB-7 (6-8)	SB-7 (8-10)	SB-7 (10-12)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0	10.0-12.0
Date Sampled					05/22/13	05/22/13	05/22/13	05/22/13	05/22/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Metals									
Chromium	MG/KG	30	NS	36	NA	6.7	NA	NA	NA
Cobalt	MG/KG	20	-	30	NA	3.3 J	NA	NA	NA
Copper	MG/KG	50	1720	270	NA	5.1	NA	NA	NA
Iron	MG/KG	2000	-	2000	NA	8,480	NA	NA	NA
Lead	MG/KG	63	450	400	NA	15.2 J+	NA	NA	NA
Magnesium	MG/KG	-	-	-	NA	1,510	NA	NA	NA
Manganese	MG/KG	1600	2000	2000	NA	95.1	NA	NA	NA
Mercury	MG/KG	0.18	0.73	0.81	NA		NA	NA	NA
Nickel	MG/KG	30	130	140	NA	4.5	NA	NA	NA
Potassium	MG/KG	-	-	-	NA		NA	NA	NA
Selenium	MG/KG	3.9	4	36	NA		NA	NA	NA
Silver	MG/KG	2	8.3	36	NA		NA	NA	NA
Sodium	MG/KG	-	-	-	NA		NA	NA	NA
Thallium	MG/KG	5	-	-	NA		NA	NA	NA
Vanadium	MG/KG	39	-	100	NA	11.6	NA	NA	NA
Zinc	MG/KG	109	2480	2200	NA	37.6	NA	NA	NA

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-07	SB-07	SB-07	SB-07
Sample ID					SB-7 (12-14)	SB-7 (14-16)	SB-7 (16-18)	SB-7 (18-20)
Matrix					Soil	Soil	Soil	Soil
Depth Interval (ft)					12.0-14.0	14.0-16.0	16.0-18.0	18.0-20.0
Date Sampled					05/22/13	05/22/13	05/22/13	05/22/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**				
Volatile Organic Compounds								
4-Methyl-2-pentanone	MG/KG	1	1	-		NA		
Acetone	MG/KG	0.05	0.05	100	0.036	NA	0.014	0.017
Carbon disulfide	MG/KG	2.7	2.7	100		NA		
Chlorobenzene	MG/KG	1.1	1.1	100		NA		
Ethylbenzene	MG/KG	1	1	30		NA		
Methyl ethyl ketone (2-Butanone)	MG/KG	0.12	0.12	-	0.010 J	NA	0.0060 J	
Methylene chloride	MG/KG	0.05	0.05	51		NA		
Toluene	MG/KG	0.7	0.7	100		NA		
Vinyl chloride	MG/KG	0.02	0.02	0.21		NA		
Xylene (total)	MG/KG	0.26	1.6	100	0.0020 J	NA		
Semivolatile Organic Compounds								
1,1-Biphenyl	MG/KG	60	-	-				
2,4,5-Trichlorophenol	MG/KG	0.1	0.1	100				
2,4-Dichlorophenol	MG/KG	0.4	0.4	100				
2-Methylnaphthalene	MG/KG	0.41	36.4	0.41				
2-Methylphenol (o-cresol)	MG/KG	0.33	0.33	100				
4-Methylphenol (p-cresol)	MG/KG	0.33	0.33	34				
Acenaphthene	MG/KG	20	98	100				
Acenaphthylene	MG/KG	100	107	100				
Acetophenone	MG/KG	-	-	-				

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-07	SB-07	SB-07	SB-07
Sample ID					SB-7 (12-14)	SB-7 (14-16)	SB-7 (16-18)	SB-7 (18-20)
Matrix					Soil	Soil	Soil	Soil
Depth Interval (ft)					12.0-14.0	14.0-16.0	16.0-18.0	18.0-20.0
Date Sampled					05/22/13	05/22/13	05/22/13	05/22/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**				
Semivolatile Organic Compounds								
Anthracene	MG/KG	100	1000	100				
Atrazine	MG/KG	-	-	-				
Benzaldehyde	MG/KG	-	-	-				
Benzo(a)anthracene	MG/KG	1	1	1				
Benzo(a)pyrene	MG/KG	1	22	1				
Benzo(b)fluoranthene	MG/KG	1	1.7	1				
Benzo(g,h,i)perylene	MG/KG	100	1000	100				
Benzo(k)fluoranthene	MG/KG	0.8	1.7	1				
bis(2-Ethylhexyl)phthalate	MG/KG	50	435	50				
Butylbenzylphthalate	MG/KG	100	122	100				
Carbazole	MG/KG	-	-	-				
Chrysene	MG/KG	1	1	1				
Dibenz(a,h)anthracene	MG/KG	0.33	1000	0.33				
Dibenzofuran	MG/KG	7	210	14				
Di-n-octylphthalate	MG/KG	100	120	100				
Fluoranthene	MG/KG	100	1000	100				
Fluorene	MG/KG	30	386	100				
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	8.2	0.5				
Isophorone	MG/KG	4.4	4.4	100				
Naphthalene	MG/KG	12	12	100				

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-07	SB-07	SB-07	SB-07
Sample ID					SB-7 (12-14)	SB-7 (14-16)	SB-7 (16-18)	SB-7 (18-20)
Matrix					Soil	Soil	Soil	Soil
Depth Interval (ft)					12.0-14.0	14.0-16.0	16.0-18.0	18.0-20.0
Date Sampled					05/22/13	05/22/13	05/22/13	05/22/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**				
Semivolatile Organic Compounds								
Phenanthrene	MG/KG	100	1000	100				
Phenol	MG/KG	0.33	0.33	100				
Pyrene	MG/KG	100	1000	100				
Pesticide Organic Compounds								
4,4'-DDD	MG/KG	0.0033	14	2.6		0.0012 J		
4,4'-DDE	MG/KG	0.0033	17	1.8				
4,4'-DDT	MG/KG	0.0033	136	1.7				
Aldrin	MG/KG	0.005	0.19	0.019	0.0024 J			
alpha-BHC	MG/KG	0.02	0.02	0.097				
alpha-Chlordane	MG/KG	0.094	2.9	0.91				
beta-BHC	MG/KG	0.036	0.09	0.072		0.0019 NJ		
delta-BHC	MG/KG	0.04	0.25	100				
Dieldrin	MG/KG	0.005	0.1	0.039	0.011	0.0026 J		
Endosulfan I	MG/KG	2.4	102	4.8				
Endosulfan II	MG/KG	2.4	102	4.8				
Endosulfan sulfate	MG/KG	2.4	1000	4.8				
Endrin	MG/KG	0.014	0.06	2.2				
Endrin aldehyde	MG/KG	-	-	-				
Endrin ketone	MG/KG	-	-	-				
gamma-BHC (Lindane)	MG/KG	0.1	0.1	0.28				

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-07	SB-07	SB-07	SB-07
Sample ID					SB-7 (12-14)	SB-7 (14-16)	SB-7 (16-18)	SB-7 (18-20)
Matrix					Soil	Soil	Soil	Soil
Depth Interval (ft)					12.0-14.0	14.0-16.0	16.0-18.0	18.0-20.0
Date Sampled					05/22/13	05/22/13	05/22/13	05/22/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**				
Pesticide Organic Compounds								
gamma-Chlordane	MG/KG	0.54	14	0.54				
Heptachlor	MG/KG	0.042	0.38	0.42				
Heptachlor epoxide	MG/KG	0.02	0.02	0.077				
Methoxychlor	MG/KG	1.2	900	100				
Herbicides								
2,4,5-T	MG/KG	1.9	1.9	100				
2,4,5-TP (Silvex)	MG/KG	3.8	3.8	58				
2,4-D	MG/KG	0.5	0.5	100				
2,4-DB	MG/KG	-	-	-				
Dicamba	MG/KG	-	-	-				
Dinoseb	MG/KG	-	-	-				
Picrolam	MG/KG	-	-	-				
Metals								
Aluminum	MG/KG	10000	-	-	11,100	NA	9,130	8,300
Antimony	MG/KG	12	-	-		NA		
Arsenic	MG/KG	13	16	16	3.7	NA	1.5	2.8
Barium	MG/KG	350	820	350	65.1	NA	45.6	85.3
Beryllium	MG/KG	7.2	47	14	0.47 J	NA	0.42 J	0.40 J
Cadmium	MG/KG	2.5	7.5	2.5		NA		
Calcium	MG/KG	10000	-	-	4,200	NA	16,300	20,500

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-12
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-07	SB-07	SB-07	SB-07
Sample ID					SB-7 (12-14)	SB-7 (14-16)	SB-7 (16-18)	SB-7 (18-20)
Matrix					Soil	Soil	Soil	Soil
Depth Interval (ft)					12.0-14.0	14.0-16.0	16.0-18.0	18.0-20.0
Date Sampled					05/22/13	05/22/13	05/22/13	05/22/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**				
Metals								
Chromium	MG/KG	30	NS	36	20.9	NA	15.8	15.3
Cobalt	MG/KG	20	-	30	9.3	NA	8.6	8.8
Copper	MG/KG	50	1720	270	13.5	NA	6.4	9.2
Iron	MG/KG	2000	-	2000	20,800	NA	20,600	19,200
Lead	MG/KG	63	450	400	53.1	NA		
Magnesium	MG/KG	-	-	-	3,120	NA	6,050	6,640
Manganese	MG/KG	1600	2000	2000	169	NA	267	304
Mercury	MG/KG	0.18	0.73	0.81		NA		
Nickel	MG/KG	30	130	140	16.5	NA	8.8	10.8
Potassium	MG/KG	-	-	-	1,130	NA	1,360	1,360
Selenium	MG/KG	3.9	4	36		NA		
Silver	MG/KG	2	8.3	36		NA		
Sodium	MG/KG	-	-	-	192 J	NA	697	488 J
Thallium	MG/KG	5	-	-		NA		
Vanadium	MG/KG	39	-	100	28.2	NA	33.8	30.0
Zinc	MG/KG	109	2480	2200	83.3	NA	43.4	43.2

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.
J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					MW-02	MW-02	MW-02	MW-02	MW-02
Sample ID					MW-2 (2-4)	MW-2 (4-6)	MW-2 (6-8)	MW-2 (8-10)	MW-2 (10-12)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0	10.0-12.0
Date Sampled					05/14/13	05/14/13	05/14/13	05/14/13	05/14/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Volatile Organic Compounds									
4-Methyl-2-pentanone	MG/KG	-	-	-					NA
Acetone	MG/KG	100	500	0.089			0.047	0.030	NA
Carbon disulfide	MG/KG	-	-	-				0.0030 J	NA
Chlorobenzene	MG/KG	100	500	-			0.0010 J	0.0060 J	NA
Ethylbenzene	MG/KG	41	390	-					NA
Methyl ethyl ketone (2-Butanone)	MG/KG	100	500	-			0.013 J	0.0090 J	NA
Methylene chloride	MG/KG	100	500	-					NA
Toluene	MG/KG	100	500	-					NA
Vinyl chloride	MG/KG	0.9	13	-					NA
Xylene (total)	MG/KG	100	500	-				0.0020 J	NA
Semivolatile Organic Compounds									
1,1-Biphenyl	MG/KG	-	-	-					
2,4,5-Trichlorophenol	MG/KG	-	-	-					
2,4-Dichlorophenol	MG/KG	-	-	-					
2-Methylnaphthalene	MG/KG	-	-	-			0.47	0.44	0.31 J
2-Methylphenol (o-cresol)	MG/KG	100	500	-					
4-Methylphenol (p-cresol)	MG/KG	100	500	-			0.25	0.24 J	0.22 J
Acenaphthene	MG/KG	100	500	-			0.37 J	0.19 J	0.13 J
Acenaphthylene	MG/KG	100	500	-		0.073 J			
Acetophenone	MG/KG	-	-	-					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					MW-02	MW-02	MW-02	MW-02	MW-02
Sample ID					MW-2 (2-4)	MW-2 (4-6)	MW-2 (6-8)	MW-2 (8-10)	MW-2 (10-12)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0	10.0-12.0
Date Sampled					05/14/13	05/14/13	05/14/13	05/14/13	05/14/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Semivolatile Organic Compounds									
Anthracene	MG/KG	100	500	-			0.29 J	0.20 J	0.11 J
Atrazine	MG/KG	-	-	-				0.28 J	0.28 J
Benzaldehyde	MG/KG	-	-	-					
Benzo(a)anthracene	MG/KG	1	5.6	-		0.42	0.37 J	0.47	0.29 J
Benzo(a)pyrene	MG/KG	1	1	-		0.41	0.24 J	0.39 J	0.21 J
Benzo(b)fluoranthene	MG/KG	1	5.6	-		0.74	0.43	0.72	0.41
Benzo(g,h,i)perylene	MG/KG	100	500	-		0.22 J	0.096 J	0.17 J	0.10 J
Benzo(k)fluoranthene	MG/KG	3.9	56	-		0.35 J	0.18 J	0.20 J	0.14 J
bis(2-Ethylhexyl)phthalate	MG/KG	-	-	-			0.37 J	0.20 J	0.12 J
Butylbenzylphthalate	MG/KG	-	-	-		0.077 J		0.17 J	0.18 J
Carbazole	MG/KG	-	-	-		0.16 J	0.23 J	0.27 J	0.22 J
Chrysene	MG/KG	3.9	56	-		0.53	0.50	0.68	0.39 J
Dibenz(a,h)anthracene	MG/KG	0.33	0.56	-		0.076 J			
Dibenzofuran	MG/KG	59	350	-			0.17 J	0.14 J	0.10 J
Di-n-octylphthalate	MG/KG	-	-	-					
Fluoranthene	MG/KG	100	500	-		0.59	1.6	1.5	0.90
Fluorene	MG/KG	100	500	-			0.34 J	0.23 J	0.16 J
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	5.6	-		0.21 J	0.092 J	0.15 J	0.099 J
Isophorone	MG/KG	-	-	-					
Naphthalene	MG/KG	100	500	-			0.59	0.56	0.44

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					MW-02	MW-02	MW-02	MW-02	MW-02
Sample ID					MW-2 (2-4)	MW-2 (4-6)	MW-2 (6-8)	MW-2 (8-10)	MW-2 (10-12)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0	10.0-12.0
Date Sampled					05/14/13	05/14/13	05/14/13	05/14/13	05/14/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Semivolatile Organic Compounds									
Phenanthrene	MG/KG	100	500	-		0.32 J	1.8	1.3	0.92
Phenol	MG/KG	100	500	-				0.13 J	0.11 J
Pyrene	MG/KG	100	500	-		0.62	1.4	1.3	0.76
Pesticide Organic Compounds									
4,4'-DDD	MG/KG	13	92	-		0.0071 NJ	0.0042 J	0.013 NJ	0.0088 NJ
4,4'-DDE	MG/KG	8.9	62	-	0.00093 J	0.0066	0.0068	0.0068 J	0.0060 NJ
4,4'-DDT	MG/KG	7.9	47	0.007		0.0056 J	0.0026 NJ	0.0023 NJ	
Aldrin	MG/KG	0.097	0.68	-					
alpha-BHC	MG/KG	0.48	3.4	-				0.0025 J	0.0050 NJ
alpha-Chlordane	MG/KG	4.2	24	-		0.0073	0.0017 J	0.016 J	0.012 J
beta-BHC	MG/KG	0.36	3	-					
delta-BHC	MG/KG	100	500	-				0.0012 NJ	0.0013 NJ
Dieldrin	MG/KG	0.2	1.4	-		0.0042 J		0.013 J	0.0098 J
Endosulfan I	MG/KG	24	200	-		0.0037			
Endosulfan II	MG/KG	24	200	-					
Endosulfan sulfate	MG/KG	24	200	-					
Endrin	MG/KG	11	89	-					
Endrin aldehyde	MG/KG	-	-	-					
Endrin ketone	MG/KG	-	-	-					
gamma-BHC (Lindane)	MG/KG	1.3	9.2	-					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

[MATRIX] = 'SO' AND ([LOCID] = 'MW-02' OR [LOCID] = 'MW-03' OR [LOCID] = 'MW-08' OR [LOCID] = 'MW-09' OR [LOCID] LIKE 'SB-*' OR [LOCID] = 'SS-03' OR [LOCID] = 'SS-04' OR [LOCID] = 'SS-05') AND NOT ([SED] = '0.167' OR [SED] = '0.5' OR [SED] = '1.5' OR [SED] = '2')

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					MW-02	MW-02	MW-02	MW-02	MW-02
Sample ID					MW-2 (2-4)	MW-2 (4-6)	MW-2 (6-8)	MW-2 (8-10)	MW-2 (10-12)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0	10.0-12.0
Date Sampled					05/14/13	05/14/13	05/14/13	05/14/13	05/14/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Pesticide Organic Compounds									
gamma-Chlordane	MG/KG	-	-	-		0.0070 NJ			
Heptachlor	MG/KG	2.1	15	-					0.0015 NJ
Heptachlor epoxide	MG/KG	-	-	-					
Methoxychlor	MG/KG	-	-	-				0.016 J	0.013 J
Herbicides									
2,4,5-T	MG/KG	-	-	-					
2,4,5-TP (Silvex)	MG/KG	100	500	-					0.0032 J
2,4-D	MG/KG	-	-	-				0.01 J	0.0088 J
2,4-DB	MG/KG	-	-	-					
Dicamba	MG/KG	-	-	-					
Dinoseb	MG/KG	-	-	-					
Picrolam	MG/KG	-	-	-					
Metals									
Aluminum	MG/KG	-	-	20400	5,280	5,730	5,820	6,090	NA
Antimony	MG/KG	-	-	-					NA
Arsenic	MG/KG	16	16	13.3	1.1	1.9	1.8	3.0	NA
Barium	MG/KG	400	400	-	18.2 J	24.0	21.9 J	55.5	NA
Beryllium	MG/KG	72	590	-	0.18 J	0.27 J	0.25 J	0.24 J	NA
Cadmium	MG/KG	4.3	9.3	-					NA
Calcium	MG/KG	-	-	34200	1,610	1,430	1,620	27,500	NA

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					MW-02	MW-02	MW-02	MW-02	MW-02
Sample ID					MW-2 (2-4)	MW-2 (4-6)	MW-2 (6-8)	MW-2 (8-10)	MW-2 (10-12)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0	10.0-12.0
Date Sampled					05/14/13	05/14/13	05/14/13	05/14/13	05/14/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Metals									
Chromium	MG/KG	180	1500	486	6.2	7.1	8.8	73.5	NA
Cobalt	MG/KG	-	-	-	3.0 J	2.9 J	2.9 J	16.6	NA
Copper	MG/KG	270	270	-	2.9 J	5.2 J	5.0 J	13.6 J	NA
Iron	MG/KG	-	-	35000	8,100	8,890	8,670	18,100	NA
Lead	MG/KG	400	1000	66.8	14.8	34.2	33.5	34.0	NA
Magnesium	MG/KG	-	-	-	1,330	1,350	1,370	8,410	NA
Manganese	MG/KG	2000	10000	-	98.0	119	64.2	415	NA
Mercury	MG/KG	0.81	2.8	0.27	0.023 J	0.025 J	0.11 J	0.034 J	NA
Nickel	MG/KG	310	310	-	3.1 J	3.3 J	3.5 J	8.3	NA
Potassium	MG/KG	-	-	-				923 J	NA
Selenium	MG/KG	180	1500	6.4				0.74 J	NA
Silver	MG/KG	180	1500	3.6					NA
Sodium	MG/KG	-	-	-					NA
Thallium	MG/KG	-	-	-					NA
Vanadium	MG/KG	-	-	80	12.1	12.7	13.9	12.5	NA
Zinc	MG/KG	10000	10000	-	26.5	52.1	46.0	99.0	NA

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					MW-02	MW-02	MW-02	MW-02	MW-03
Sample ID					MW-2 (12-14)	MW-2 (14-16)	MW-2 (16-18)	MW-2 (18-20)	MW-3 (2-4)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					12.0-14.0	14.0-16.0	16.0-18.0	18.0-20.0	2.0-4.0
Date Sampled					05/14/13	05/14/13	05/14/13	05/14/13	05/14/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Volatile Organic Compounds									
4-Methyl-2-pentanone	MG/KG	-	-	-					
Acetone	MG/KG	100	500	0.089	0.065	0.019	0.010 J	0.0060 J	
Carbon disulfide	MG/KG	-	-	-					
Chlorobenzene	MG/KG	100	500	-		0.0020 J			
Ethylbenzene	MG/KG	41	390	-					
Methyl ethyl ketone (2-Butanone)	MG/KG	100	500	-	0.013 J				
Methylene chloride	MG/KG	100	500	-					
Toluene	MG/KG	100	500	-					
Vinyl chloride	MG/KG	0.9	13	-					
Xylene (total)	MG/KG	100	500	-					
Semivolatile Organic Compounds									
1,1-Biphenyl	MG/KG	-	-	-					
2,4,5-Trichlorophenol	MG/KG	-	-	-					
2,4-Dichlorophenol	MG/KG	-	-	-					
2-Methylnaphthalene	MG/KG	-	-	-					
2-Methylphenol (o-cresol)	MG/KG	100	500	-					
4-Methylphenol (p-cresol)	MG/KG	100	500	-					0.18 J
Acenaphthene	MG/KG	100	500	-					
Acenaphthylene	MG/KG	100	500	-					0.085 J
Acetophenone	MG/KG	-	-	-					0.11 J

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					MW-02	MW-02	MW-02	MW-02	MW-03
Sample ID					MW-2 (12-14)	MW-2 (14-16)	MW-2 (16-18)	MW-2 (18-20)	MW-3 (2-4)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					12.0-14.0	14.0-16.0	16.0-18.0	18.0-20.0	2.0-4.0
Date Sampled					05/14/13	05/14/13	05/14/13	05/14/13	05/14/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Semivolatile Organic Compounds									
Anthracene	MG/KG	100	500	-					0.12 J
Atrazine	MG/KG	-	-	-					0.092 J
Benzaldehyde	MG/KG	-	-	-					0.16 J
Benzo(a)anthracene	MG/KG	1	5.6	-					0.22 J
Benzo(a)pyrene	MG/KG	1	1	-					0.17 J
Benzo(b)fluoranthene	MG/KG	1	5.6	-					0.21 J
Benzo(g,h,i)perylene	MG/KG	100	500	-					0.097 J
Benzo(k)fluoranthene	MG/KG	3.9	56	-					0.11 J
bis(2-Ethylhexyl)phthalate	MG/KG	-	-	-					
Butylbenzylphthalate	MG/KG	-	-	-					
Carbazole	MG/KG	-	-	-					0.22 J
Chrysene	MG/KG	3.9	56	-					0.26 J
Dibenz(a,h)anthracene	MG/KG	0.33	0.56	-					
Dibenzofuran	MG/KG	59	350	-					0.12 J
Di-n-octylphthalate	MG/KG	-	-	-					
Fluoranthene	MG/KG	100	500	-					0.69
Fluorene	MG/KG	100	500	-					0.12 J
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	5.6	-					0.088 J
Isophorone	MG/KG	-	-	-					
Naphthalene	MG/KG	100	500	-					0.27 J

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

[MATRIX] = 'SO' AND ([LOCID] = 'MW-02' OR [LOCID] = 'MW-03' OR [LOCID] = 'MW-08' OR [LOCID] = 'MW-09' OR [LOCID] LIKE 'SB-*' OR [LOCID] = 'SS-03' OR [LOCID] = 'SS-04' OR [LOCID] = 'SS-05') AND NOT ([SED] = '0.167' OR [SED] = '0.5' OR [SED] = '1.5' OR [SED] = '2')

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					MW-02	MW-02	MW-02	MW-02	MW-03
Sample ID					MW-2 (12-14)	MW-2 (14-16)	MW-2 (16-18)	MW-2 (18-20)	MW-3 (2-4)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					12.0-14.0	14.0-16.0	16.0-18.0	18.0-20.0	2.0-4.0
Date Sampled					05/14/13	05/14/13	05/14/13	05/14/13	05/14/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Semivolatile Organic Compounds									
Phenanthrene	MG/KG	100	500	-					0.72
Phenol	MG/KG	100	500	-					0.11 J
Pyrene	MG/KG	100	500	-					0.54
Pesticide Organic Compounds									
4,4'-DDD	MG/KG	13	92	-					
4,4'-DDE	MG/KG	8.9	62	-					0.0035 J
4,4'-DDT	MG/KG	7.9	47	0.007					0.0036 J
Aldrin	MG/KG	0.097	0.68	-					
alpha-BHC	MG/KG	0.48	3.4	-					
alpha-Chlordane	MG/KG	4.2	24	-					
beta-BHC	MG/KG	0.36	3	-					
delta-BHC	MG/KG	100	500	-					
Dieldrin	MG/KG	0.2	1.4	-					
Endosulfan I	MG/KG	24	200	-					
Endosulfan II	MG/KG	24	200	-					
Endosulfan sulfate	MG/KG	24	200	-					
Endrin	MG/KG	11	89	-					
Endrin aldehyde	MG/KG	-	-	-					
Endrin ketone	MG/KG	-	-	-					
gamma-BHC (Lindane)	MG/KG	1.3	9.2	-					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					MW-02	MW-02	MW-02	MW-02	MW-03
Sample ID					MW-2 (12-14)	MW-2 (14-16)	MW-2 (16-18)	MW-2 (18-20)	MW-3 (2-4)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					12.0-14.0	14.0-16.0	16.0-18.0	18.0-20.0	2.0-4.0
Date Sampled					05/14/13	05/14/13	05/14/13	05/14/13	05/14/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Pesticide Organic Compounds									
gamma-Chlordane	MG/KG	-	-	-					
Heptachlor	MG/KG	2.1	15	-					
Heptachlor epoxide	MG/KG	-	-	-					
Methoxychlor	MG/KG	-	-	-					
Herbicides									
2,4,5-T	MG/KG	-	-	-					
2,4,5-TP (Silvex)	MG/KG	100	500	-					
2,4-D	MG/KG	-	-	-					
2,4-DB	MG/KG	-	-	-					
Dicamba	MG/KG	-	-	-					
Dinoseb	MG/KG	-	-	-					
Picrolam	MG/KG	-	-	-					
Metals									
Aluminum	MG/KG	-	-	20400	8,410	9,430	7,250	6,920	2,940
Antimony	MG/KG	-	-	-					
Arsenic	MG/KG	16	16	13.3	6.4	2.2	3.8	3.4	3.5
Barium	MG/KG	400	400	-	36.5	56.0	68.6	75.1	34.6
Beryllium	MG/KG	72	590	-	0.50 J	0.45 J	0.39 J	0.36 J	0.25 J
Cadmium	MG/KG	4.3	9.3	-					
Calcium	MG/KG	-	-	34200	3,570	11,400	36,300	30,400	1,670

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					MW-02	MW-02	MW-02	MW-02	MW-03
Sample ID					MW-2 (12-14)	MW-2 (14-16)	MW-2 (16-18)	MW-2 (18-20)	MW-3 (2-4)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					12.0-14.0	14.0-16.0	16.0-18.0	18.0-20.0	2.0-4.0
Date Sampled					05/14/13	05/14/13	05/14/13	05/14/13	05/14/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Metals									
Chromium	MG/KG	180	1500	486	18.8	16.5	16.4	16.4	6.3
Cobalt	MG/KG	-	-	-	10.0	8.9	8.5	7.8	5.9 J
Copper	MG/KG	270	270	-	13.5 J	6.0 J	13.5 J	14.9 J	26.4
Iron	MG/KG	-	-	35000	22,500	19,800	18,700	18,100	6,620
Lead	MG/KG	400	1000	66.8	3.8 J	2.6 J	6.0 J	5.0	47.9
Magnesium	MG/KG	-	-	-	2,720	4,960	8,430	7,910	661
Manganese	MG/KG	2000	10000	-	154	219	330	285	91.7 J
Mercury	MG/KG	0.81	2.8	0.27				0.027 J	0.033 J
Nickel	MG/KG	310	310	-	13.1	8.3	14.5	13.4	11.7
Potassium	MG/KG	-	-	-	1,350 J	1,400 J	1,500 J	1,450 J	
Selenium	MG/KG	180	1500	6.4					0.51 J
Silver	MG/KG	180	1500	3.6					
Sodium	MG/KG	-	-	-		688			
Thallium	MG/KG	-	-	-					
Vanadium	MG/KG	-	-	80	29.7	33.7	22.5	21.5	11.9
Zinc	MG/KG	10000	10000	-	45.5	43.6	47.2	45.4	47.3

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					MW-03	MW-03	MW-03	MW-03	MW-03
Sample ID					MW-3 (4-6)	MW-3 (6-8)	MW-3 (8-10)	MW-3 (10-12)	MW-3 (12-14)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					4.0-6.0	6.0-8.0	8.0-10.0	10.0-12.0	12.0-14.0
Date Sampled					05/14/13	05/14/13	05/14/13	05/14/13	05/14/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Volatile Organic Compounds									
4-Methyl-2-pentanone	MG/KG	-	-	-	NA	NA			
Acetone	MG/KG	100	500	0.089	NA	NA	0.060	0.051	0.040
Carbon disulfide	MG/KG	-	-	-	NA	NA			
Chlorobenzene	MG/KG	100	500	-	NA	NA			
Ethylbenzene	MG/KG	41	390	-	NA	NA			
Methyl ethyl ketone (2-Butanone)	MG/KG	100	500	-	NA	NA	0.014 J	0.013 J	0.0090 J
Methylene chloride	MG/KG	100	500	-	NA	NA			
Toluene	MG/KG	100	500	-	NA	NA			
Vinyl chloride	MG/KG	0.9	13	-	NA	NA			
Xylene (total)	MG/KG	100	500	-	NA	NA			
Semivolatile Organic Compounds									
1,1-Biphenyl	MG/KG	-	-	-					
2,4,5-Trichlorophenol	MG/KG	-	-	-					
2,4-Dichlorophenol	MG/KG	-	-	-					
2-Methylnaphthalene	MG/KG	-	-	-	0.11 J				
2-Methylphenol (o-cresol)	MG/KG	100	500	-					
4-Methylphenol (p-cresol)	MG/KG	100	500	-					
Acenaphthene	MG/KG	100	500	-	0.28 J			0.14 J	
Acenaphthylene	MG/KG	100	500	-	0.12 J		0.13 J		
Acetophenone	MG/KG	-	-	-	0.096 J				

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

[MATRIX] = 'SO' AND ([LOCID] = 'MW-02' OR [LOCID] = 'MW-03' OR [LOCID] = 'MW-08' OR [LOCID] = 'MW-09' OR [LOCID] LIKE 'SB-*' OR [LOCID] = 'SS-03' OR [LOCID] = 'SS-04' OR [LOCID] = 'SS-05') AND NOT ([SED] = '0.167' OR [SED] = '0.5' OR [SED] = '1.5' OR [SED] = '2')

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					MW-03	MW-03	MW-03	MW-03	MW-03
Sample ID					MW-3 (4-6)	MW-3 (6-8)	MW-3 (8-10)	MW-3 (10-12)	MW-3 (12-14)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					4.0-6.0	6.0-8.0	8.0-10.0	10.0-12.0	12.0-14.0
Date Sampled					05/14/13	05/14/13	05/14/13	05/14/13	05/14/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Semivolatile Organic Compounds									
Anthracene	MG/KG	100	500	-	0.96		0.13 J	0.40	
Atrazine	MG/KG	-	-	-					
Benzaldehyde	MG/KG	-	-	-					
Benzo(a)anthracene	MG/KG	1	5.6	-	2.4		0.63	0.74	
Benzo(a)pyrene	MG/KG	1	1	-	1.9		0.53	0.56	
Benzo(b)fluoranthene	MG/KG	1	5.6	-	2.3		0.73	0.65	
Benzo(g,h,i)perylene	MG/KG	100	500	-	0.87		0.30 J	0.33 J	
Benzo(k)fluoranthene	MG/KG	3.9	56	-	0.77		0.33 J	0.27 J	
bis(2-Ethylhexyl)phthalate	MG/KG	-	-	-	0.093 J			0.11 J	
Butylbenzylphthalate	MG/KG	-	-	-					
Carbazole	MG/KG	-	-	-	0.57		0.25 J	0.30 J	
Chrysene	MG/KG	3.9	56	-	2.2		0.74	0.75	
Dibenz(a,h)anthracene	MG/KG	0.33	0.56	-	0.24		0.092 J	0.085 J	
Dibenzofuran	MG/KG	59	350	-	0.28 J			0.14 J	
Di-n-octylphthalate	MG/KG	-	-	-					
Fluoranthene	MG/KG	100	500	-	5.3		1.6	1.8	
Fluorene	MG/KG	100	500	-	0.35 J		0.12 J	0.17 J	
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	5.6	-	0.73		0.28 J	0.27 J	
Isophorone	MG/KG	-	-	-					
Naphthalene	MG/KG	100	500	-	0.35 J			0.17 J	

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					MW-03	MW-03	MW-03	MW-03	MW-03
Sample ID					MW-3 (4-6)	MW-3 (6-8)	MW-3 (8-10)	MW-3 (10-12)	MW-3 (12-14)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					4.0-6.0	6.0-8.0	8.0-10.0	10.0-12.0	12.0-14.0
Date Sampled					05/14/13	05/14/13	05/14/13	05/14/13	05/14/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Semivolatile Organic Compounds									
Phenanthrene	MG/KG	100	500	-	4.1		1.4	1.7	
Phenol	MG/KG	100	500	-					
Pyrene	MG/KG	100	500	-	4.7		1.3	1.6	
Pesticide Organic Compounds									
4,4'-DDD	MG/KG	13	92	-		0.0054 NJ			
4,4'-DDE	MG/KG	8.9	62	-	0.0033	0.0058			
4,4'-DDT	MG/KG	7.9	47	0.007	0.0047 NJ				
Aldrin	MG/KG	0.097	0.68	-					
alpha-BHC	MG/KG	0.48	3.4	-					
alpha-Chlordane	MG/KG	4.2	24	-					
beta-BHC	MG/KG	0.36	3	-			0.0015 J		
delta-BHC	MG/KG	100	500	-					
Dieldrin	MG/KG	0.2	1.4	-		0.0025 NJ			
Endosulfan I	MG/KG	24	200	-			0.0013 J		
Endosulfan II	MG/KG	24	200	-					
Endosulfan sulfate	MG/KG	24	200	-					
Endrin	MG/KG	11	89	-					
Endrin aldehyde	MG/KG	-	-	-	0.0022 J				
Endrin ketone	MG/KG	-	-	-	0.0023 J				
gamma-BHC (Lindane)	MG/KG	1.3	9.2	-					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

[MATRIX] = 'SO' AND ([LOCID] = 'MW-02' OR [LOCID] = 'MW-03' OR [LOCID] = 'MW-08' OR [LOCID] = 'MW-09' OR [LOCID] LIKE 'SB-*' OR [LOCID] = 'SS-03' OR [LOCID] = 'SS-04' OR [LOCID] = 'SS-05') AND NOT ([SED] = '0.167' OR [SED] = '0.5' OR [SED] = '1.5' OR [SED] = '2')

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					MW-03	MW-03	MW-03	MW-03	MW-03
Sample ID					MW-3 (4-6)	MW-3 (6-8)	MW-3 (8-10)	MW-3 (10-12)	MW-3 (12-14)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					4.0-6.0	6.0-8.0	8.0-10.0	10.0-12.0	12.0-14.0
Date Sampled					05/14/13	05/14/13	05/14/13	05/14/13	05/14/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Pesticide Organic Compounds									
gamma-Chlordane	MG/KG	-	-	-					
Heptachlor	MG/KG	2.1	15	-					
Heptachlor epoxide	MG/KG	-	-	-					
Methoxychlor	MG/KG	-	-	-					
Herbicides									
2,4,5-T	MG/KG	-	-	-	0.003 NJ	0.0062 J	0.017 NJ		
2,4,5-TP (Silvex)	MG/KG	100	500	-		0.0077	0.03		
2,4-D	MG/KG	-	-	-		0.017	0.025		
2,4-DB	MG/KG	-	-	-					
Dicamba	MG/KG	-	-	-					
Dinoseb	MG/KG	-	-	-					
Picrolam	MG/KG	-	-	-					
Metals									
Aluminum	MG/KG	-	-	20400	NA	NA	7,030	10,700	9,180
Antimony	MG/KG	-	-	-	NA	NA			
Arsenic	MG/KG	16	16	13.3	NA	NA	6.4	1.5	2.4
Barium	MG/KG	400	400	-	NA	NA	59.5	62.9	38.2
Beryllium	MG/KG	72	590	-	NA	NA	0.37 J	0.56 J	0.62 J
Cadmium	MG/KG	4.3	9.3	-	NA	NA			
Calcium	MG/KG	-	-	34200	NA	NA	2,320	1,160	1,800

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					MW-03	MW-03	MW-03	MW-03	MW-03
Sample ID					MW-3 (4-6)	MW-3 (6-8)	MW-3 (8-10)	MW-3 (10-12)	MW-3 (12-14)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					4.0-6.0	6.0-8.0	8.0-10.0	10.0-12.0	12.0-14.0
Date Sampled					05/14/13	05/14/13	05/14/13	05/14/13	05/14/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Metals									
Chromium	MG/KG	180	1500	486	NA	NA	11.0	18.7	18.5
Cobalt	MG/KG	-	-	-	NA	NA	6.7	6.4	7.8
Copper	MG/KG	270	270	-	NA	NA	25.1	5.7	14.6
Iron	MG/KG	-	-	35000	NA	NA	13,900	19,600	17,300
Lead	MG/KG	400	1000	66.8	NA	NA	521	3.8 J	5.3 J
Magnesium	MG/KG	-	-	-	NA	NA	1,650	2,450	3,930
Manganese	MG/KG	2000	10000	-	NA	NA	74.0 J	162 J	131 J
Mercury	MG/KG	0.81	2.8	0.27	NA	NA	0.022 J		
Nickel	MG/KG	310	310	-	NA	NA	11.2	9.2	17.6
Potassium	MG/KG	-	-	-	NA	NA		924 J	1,190 J
Selenium	MG/KG	180	1500	6.4	NA	NA	2.7 J		
Silver	MG/KG	180	1500	3.6	NA	NA			
Sodium	MG/KG	-	-	-	NA	NA		155 J	
Thallium	MG/KG	-	-	-	NA	NA			
Vanadium	MG/KG	-	-	80	NA	NA	15.5	27.9	22.1
Zinc	MG/KG	10000	10000	-	NA	NA	174	44.2	59.1

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					MW-03	MW-03	MW-03	MW-09	MW-09
Sample ID					MW-3 (14-16)	MW-3 (16-18)	MW-3 (18-20)	MW-9 (2-4')	MW-9 (4-6')
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					14.0-16.0	16.0-18.0	18.0-20.0	2.0-4.0	4.0-6.0
Date Sampled					05/14/13	05/14/13	05/14/13	04/29/14	04/29/14
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Volatile Organic Compounds									
4-Methyl-2-pentanone	MG/KG	-	-	-					
Acetone	MG/KG	100	500	0.089	0.016	0.013			
Carbon disulfide	MG/KG	-	-	-					
Chlorobenzene	MG/KG	100	500	-					
Ethylbenzene	MG/KG	41	390	-					
Methyl ethyl ketone (2-Butanone)	MG/KG	100	500	-					
Methylene chloride	MG/KG	100	500	-					
Toluene	MG/KG	100	500	-					
Vinyl chloride	MG/KG	0.9	13	-					
Xylene (total)	MG/KG	100	500	-					
Semivolatile Organic Compounds									
1,1-Biphenyl	MG/KG	-	-	-					
2,4,5-Trichlorophenol	MG/KG	-	-	-					
2,4-Dichlorophenol	MG/KG	-	-	-					
2-Methylnaphthalene	MG/KG	-	-	-					
2-Methylphenol (o-cresol)	MG/KG	100	500	-					
4-Methylphenol (p-cresol)	MG/KG	100	500	-					
Acenaphthene	MG/KG	100	500	-					
Acenaphthylene	MG/KG	100	500	-					
Acetophenone	MG/KG	-	-	-					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					MW-03	MW-03	MW-03	MW-09	MW-09
Sample ID					MW-3 (14-16)	MW-3 (16-18)	MW-3 (18-20)	MW-9 (2-4')	MW-9 (4-6')
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					14.0-16.0	16.0-18.0	18.0-20.0	2.0-4.0	4.0-6.0
Date Sampled					05/14/13	05/14/13	05/14/13	04/29/14	04/29/14
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Semivolatile Organic Compounds									
Anthracene	MG/KG	100	500	-					
Atrazine	MG/KG	-	-	-					
Benzaldehyde	MG/KG	-	-	-					
Benzo(a)anthracene	MG/KG	1	5.6	-					
Benzo(a)pyrene	MG/KG	1	1	-					
Benzo(b)fluoranthene	MG/KG	1	5.6	-					
Benzo(g,h,i)perylene	MG/KG	100	500	-					
Benzo(k)fluoranthene	MG/KG	3.9	56	-					
bis(2-Ethylhexyl)phthalate	MG/KG	-	-	-					
Butylbenzylphthalate	MG/KG	-	-	-					
Carbazole	MG/KG	-	-	-					
Chrysene	MG/KG	3.9	56	-					
Dibenz(a,h)anthracene	MG/KG	0.33	0.56	-					
Dibenzofuran	MG/KG	59	350	-					
Di-n-octylphthalate	MG/KG	-	-	-					
Fluoranthene	MG/KG	100	500	-					
Fluorene	MG/KG	100	500	-					
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	5.6	-					
Isophorone	MG/KG	-	-	-					
Naphthalene	MG/KG	100	500	-					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					MW-03	MW-03	MW-03	MW-09	MW-09
Sample ID					MW-3 (14-16)	MW-3 (16-18)	MW-3 (18-20)	MW-9 (2-4')	MW-9 (4-6')
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					14.0-16.0	16.0-18.0	18.0-20.0	2.0-4.0	4.0-6.0
Date Sampled					05/14/13	05/14/13	05/14/13	04/29/14	04/29/14
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Semivolatile Organic Compounds									
Phenanthrene	MG/KG	100	500	-					
Phenol	MG/KG	100	500	-					
Pyrene	MG/KG	100	500	-				0.074 J	
Pesticide Organic Compounds									
4,4'-DDD	MG/KG	13	92	-					
4,4'-DDE	MG/KG	8.9	62	-					
4,4'-DDT	MG/KG	7.9	47	0.007					
Aldrin	MG/KG	0.097	0.68	-					
alpha-BHC	MG/KG	0.48	3.4	-					
alpha-Chlordane	MG/KG	4.2	24	-					
beta-BHC	MG/KG	0.36	3	-					
delta-BHC	MG/KG	100	500	-					
Dieldrin	MG/KG	0.2	1.4	-					
Endosulfan I	MG/KG	24	200	-					
Endosulfan II	MG/KG	24	200	-					
Endosulfan sulfate	MG/KG	24	200	-					
Endrin	MG/KG	11	89	-					
Endrin aldehyde	MG/KG	-	-	-					
Endrin ketone	MG/KG	-	-	-					
gamma-BHC (Lindane)	MG/KG	1.3	9.2	-					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					MW-03	MW-03	MW-03	MW-09	MW-09
Sample ID					MW-3 (14-16)	MW-3 (16-18)	MW-3 (18-20)	MW-9 (2-4')	MW-9 (4-6')
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					14.0-16.0	16.0-18.0	18.0-20.0	2.0-4.0	4.0-6.0
Date Sampled					05/14/13	05/14/13	05/14/13	04/29/14	04/29/14
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Pesticide Organic Compounds									
gamma-Chlordane	MG/KG	-	-	-					
Heptachlor	MG/KG	2.1	15	-					
Heptachlor epoxide	MG/KG	-	-	-					
Methoxychlor	MG/KG	-	-	-					
Herbicides									
2,4,5-T	MG/KG	-	-	-					
2,4,5-TP (Silvex)	MG/KG	100	500	-					
2,4-D	MG/KG	-	-	-	0.024 NJ				
2,4-DB	MG/KG	-	-	-					
Dicamba	MG/KG	-	-	-	0.0038 J				
Dinoseb	MG/KG	-	-	-					
Picrolam	MG/KG	-	-	-					
Metals									
Aluminum	MG/KG	-	-	20400	9,360	7,840	5,810	6,410	12,500
Antimony	MG/KG	-	-	-				0.36 J	0.35 J
Arsenic	MG/KG	16	16	13.3	1.7	1.7	3.4	2.6	5.5
Barium	MG/KG	400	400	-	67.0	66.0	68.2	35.3	71.6
Beryllium	MG/KG	72	590	-	0.51 J	0.46 J	0.32 J	0.20 J	0.54 J
Cadmium	MG/KG	4.3	9.3	-					
Calcium	MG/KG	-	-	34200	22,900	11,600	41,500	2,100	3,970

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					MW-03	MW-03	MW-03	MW-09	MW-09
Sample ID					MW-3 (14-16)	MW-3 (16-18)	MW-3 (18-20)	MW-9 (2-4')	MW-9 (4-6')
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					14.0-16.0	16.0-18.0	18.0-20.0	2.0-4.0	4.0-6.0
Date Sampled					05/14/13	05/14/13	05/14/13	04/29/14	04/29/14
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Metals									
Chromium	MG/KG	180	1500	486	15.1	12.5	12.1	7.6	16.7 J
Cobalt	MG/KG	-	-	-	8.2	7.5	7.1		10.2 J
Copper	MG/KG	270	270	-	7.0	6.0	13.9	11.7	28.6
Iron	MG/KG	-	-	35000	19,200	17,000	15,600	11,300	21,300 J
Lead	MG/KG	400	1000	66.8			7.8	42.5	58.8 J
Magnesium	MG/KG	-	-	-	6,360	4,850	8,050	1,690	3,220 J
Manganese	MG/KG	2000	10000	-	337 J	221 J	273 J	195	272 J
Mercury	MG/KG	0.81	2.8	0.27				0.10	0.070 J
Nickel	MG/KG	310	310	-	9.2	7.5	13.8	6.5	17.3
Potassium	MG/KG	-	-	-	1,310 J	962 J	914 J	667	1,270 J
Selenium	MG/KG	180	1500	6.4				1.9	4.1
Silver	MG/KG	180	1500	3.6					2.2
Sodium	MG/KG	-	-	-	565 J	552 J	196 J		
Thallium	MG/KG	-	-	-					
Vanadium	MG/KG	-	-	80	31.1	28.5	17.4	14.0	30.3
Zinc	MG/KG	10000	10000	-	47.4	41.2	39.2	37.4	81.8

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					MW-09	MW-09	MW-09	MW-09	MW-09
Sample ID					MW-9 (6-8')	MW-9 (8-10')	MW-9 (10-12')	MW-9 (12-14')	MW-9 DUP1
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					6.0-8.0	8.0-10.0	10.0-12.0	12.0-14.0	12.0-14.0
Date Sampled					04/29/14	04/29/14	04/29/14	04/29/14	04/29/14
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					Field Duplicate (1-1)
Volatile Organic Compounds									
4-Methyl-2-pentanone	MG/KG	-	-	-					
Acetone	MG/KG	100	500	0.089					
Carbon disulfide	MG/KG	-	-	-					
Chlorobenzene	MG/KG	100	500	-					
Ethylbenzene	MG/KG	41	390	-					
Methyl ethyl ketone (2-Butanone)	MG/KG	100	500	-			0.093 J	0.021 J	0.018 J
Methylene chloride	MG/KG	100	500	-					
Toluene	MG/KG	100	500	-					
Vinyl chloride	MG/KG	0.9	13	-					
Xylene (total)	MG/KG	100	500	-					
Semivolatile Organic Compounds									
1,1-Biphenyl	MG/KG	-	-	-					
2,4,5-Trichlorophenol	MG/KG	-	-	-					
2,4-Dichlorophenol	MG/KG	-	-	-					
2-Methylnaphthalene	MG/KG	-	-	-					
2-Methylphenol (o-cresol)	MG/KG	100	500	-					
4-Methylphenol (p-cresol)	MG/KG	100	500	-					
Acenaphthene	MG/KG	100	500	-					
Acenaphthylene	MG/KG	100	500	-					
Acetophenone	MG/KG	-	-	-					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

[MATRIX] = 'SO' AND ([LOCID] = 'MW-02' OR [LOCID] = 'MW-03' OR [LOCID] = 'MW-08' OR [LOCID] = 'MW-09' OR [LOCID] LIKE 'SB-*' OR [LOCID] = 'SS-03' OR [LOCID] = 'SS-04' OR [LOCID] = 'SS-05') AND NOT ([SED] = '0.167' OR [SED] = '0.5' OR [SED] = '1.5' OR [SED] = '2')

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					MW-09	MW-09	MW-09	MW-09	MW-09
Sample ID					MW-9 (6-8')	MW-9 (8-10')	MW-9 (10-12')	MW-9 (12-14')	MW-9 DUP1
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					6.0-8.0	8.0-10.0	10.0-12.0	12.0-14.0	12.0-14.0
Date Sampled					04/29/14	04/29/14	04/29/14	04/29/14	04/29/14
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					Field Duplicate (1-1)
Semivolatile Organic Compounds									
Anthracene	MG/KG	100	500	-					
Atrazine	MG/KG	-	-	-					
Benzaldehyde	MG/KG	-	-	-				0.21 J	
Benzo(a)anthracene	MG/KG	1	5.6	-		0.12 J	0.20 J	0.21 J	
Benzo(a)pyrene	MG/KG	1	1	-		0.11 J	0.19 J	0.20 J	
Benzo(b)fluoranthene	MG/KG	1	5.6	-			0.24 J	0.21 J	
Benzo(g,h,i)perylene	MG/KG	100	500	-			0.10 J		
Benzo(k)fluoranthene	MG/KG	3.9	56	-				0.11 J	
bis(2-Ethylhexyl)phthalate	MG/KG	-	-	-					
Butylbenzylphthalate	MG/KG	-	-	-					
Carbazole	MG/KG	-	-	-					
Chrysene	MG/KG	3.9	56	-		0.15 J	0.21 J	0.21 J	
Dibenz(a,h)anthracene	MG/KG	0.33	0.56	-					
Dibenzofuran	MG/KG	59	350	-					
Di-n-octylphthalate	MG/KG	-	-	-					
Fluoranthene	MG/KG	100	500	-		0.24 J	0.33 J	0.36 J	0.13 J
Fluorene	MG/KG	100	500	-					
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	5.6	-			0.10 J	0.097 J	
Isophorone	MG/KG	-	-	-					
Naphthalene	MG/KG	100	500	-					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					MW-09	MW-09	MW-09	MW-09	MW-09
Sample ID					MW-9 (6-8')	MW-9 (8-10')	MW-9 (10-12')	MW-9 (12-14')	MW-9 DUP1
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					6.0-8.0	8.0-10.0	10.0-12.0	12.0-14.0	12.0-14.0
Date Sampled					04/29/14	04/29/14	04/29/14	04/29/14	04/29/14
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					Field Duplicate (1-1)
Semivolatile Organic Compounds									
Phenanthrene	MG/KG	100	500	-		0.10 J	0.096 J	0.091 J	
Phenol	MG/KG	100	500	-					
Pyrene	MG/KG	100	500	-		0.27 J	0.33 J	0.35 J	0.13 J
Pesticide Organic Compounds									
4,4'-DDD	MG/KG	13	92	-					
4,4'-DDE	MG/KG	8.9	62	-					
4,4'-DDT	MG/KG	7.9	47	0.007					
Aldrin	MG/KG	0.097	0.68	-					
alpha-BHC	MG/KG	0.48	3.4	-					
alpha-Chlordane	MG/KG	4.2	24	-					
beta-BHC	MG/KG	0.36	3	-					
delta-BHC	MG/KG	100	500	-					
Dieldrin	MG/KG	0.2	1.4	-					
Endosulfan I	MG/KG	24	200	-					
Endosulfan II	MG/KG	24	200	-					
Endosulfan sulfate	MG/KG	24	200	-					
Endrin	MG/KG	11	89	-					
Endrin aldehyde	MG/KG	-	-	-					
Endrin ketone	MG/KG	-	-	-					
gamma-BHC (Lindane)	MG/KG	1.3	9.2	-					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

[MATRIX] = 'SO' AND ([LOCID] = 'MW-02' OR [LOCID] = 'MW-03' OR [LOCID] = 'MW-08' OR [LOCID] = 'MW-09' OR [LOCID] LIKE 'SB-*' OR [LOCID] = 'SS-03' OR [LOCID] = 'SS-04' OR [LOCID] = 'SS-05') AND NOT ([SED] = '0.167' OR [SED] = '0.5' OR [SED] = '1.5' OR [SED] = '2')

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					MW-09	MW-09	MW-09	MW-09	MW-09
Sample ID					MW-9 (6-8')	MW-9 (8-10')	MW-9 (10-12')	MW-9 (12-14')	MW-9 DUP1
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					6.0-8.0	8.0-10.0	10.0-12.0	12.0-14.0	12.0-14.0
Date Sampled					04/29/14	04/29/14	04/29/14	04/29/14	04/29/14
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					Field Duplicate (1-1)
Pesticide Organic Compounds									
gamma-Chlordane	MG/KG	-	-	-					
Heptachlor	MG/KG	2.1	15	-					
Heptachlor epoxide	MG/KG	-	-	-					
Methoxychlor	MG/KG	-	-	-					
Herbicides									
2,4,5-T	MG/KG	-	-	-					
2,4,5-TP (Silvex)	MG/KG	100	500	-		0.0079 J			
2,4-D	MG/KG	-	-	-					
2,4-DB	MG/KG	-	-	-			0.015 NJ	0.018 J	
Dicamba	MG/KG	-	-	-					
Dinoseb	MG/KG	-	-	-					
Picrolam	MG/KG	-	-	-					
Metals									
Aluminum	MG/KG	-	-	20400	8,370	7,170	7,570	8,600	5,380
Antimony	MG/KG	-	-	-	0.28 J	0.29 J			
Arsenic	MG/KG	16	16	13.3	3.8	7.2	7.4	4.9	6.0
Barium	MG/KG	400	400	-	47.2	284	126	90.9	41.0
Beryllium	MG/KG	72	590	-	0.36 J	0.47 J	0.36 J	0.34 J	0.19 J
Cadmium	MG/KG	4.3	9.3	-				1.3	
Calcium	MG/KG	-	-	34200	3,350	15,500	9,450	5,600 J	9,830 J

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					MW-09	MW-09	MW-09	MW-09	MW-09
Sample ID					MW-9 (6-8')	MW-9 (8-10')	MW-9 (10-12')	MW-9 (12-14')	MW-9 DUP1
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					6.0-8.0	8.0-10.0	10.0-12.0	12.0-14.0	12.0-14.0
Date Sampled					04/29/14	04/29/14	04/29/14	04/29/14	04/29/14
Parameter	Units	Criteria (1)	Criteria (2)	Criteria (3)					Field Duplicate (1-1)
Metals									
Chromium	MG/KG	180	1500	486	12.2	17.5	14.2	13.7	8.3
Cobalt	MG/KG	-	-	-	7.9		7.5	8.1	
Copper	MG/KG	270	270	-	18.5	107	141	76.2 J	35.6 J
Iron	MG/KG	-	-	35000	17,200	15,600	18,400	18,100	13,900
Lead	MG/KG	400	1000	66.8	21.0	1,880	573	211	130
Magnesium	MG/KG	-	-	-	2,950	1,780	2,990	3,180	3,580
Manganese	MG/KG	2000	10000	-	201	129	215	206 J	114 J
Mercury	MG/KG	0.81	2.8	0.27	0.056	0.51			0.032 J
Nickel	MG/KG	310	310	-	13.4	17.0	13.8	13.0	8.6
Potassium	MG/KG	-	-	-	1,220	862	1,010	1,220	
Selenium	MG/KG	180	1500	6.4	3.1	5.4	4.8	3.8	2.8
Silver	MG/KG	180	1500	3.6	1.8	1.7	2.2	2.0	1.5
Sodium	MG/KG	-	-	-					
Thallium	MG/KG	-	-	-					
Vanadium	MG/KG	-	-	80	22.7	19.7	20.5	23.5	16.9
Zinc	MG/KG	10000	10000	-	52.4	418	335	1,310 J	264 J

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					MW-09	SB-01	SB-01	SB-01	SB-01
Sample ID					MW-9 (14-16')	SB-1 (2-4)	SB-1 (4-6)	SB-1 (6-8)	SB-1 (8-10)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					14.0-16.0	2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0
Date Sampled					04/29/14	05/15/13	05/15/13	05/15/13	05/15/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Volatile Organic Compounds									
4-Methyl-2-pentanone	MG/KG	-	-	-					0.0060 J
Acetone	MG/KG	100	500	0.089					0.029 J
Carbon disulfide	MG/KG	-	-	-					
Chlorobenzene	MG/KG	100	500	-				0.0030 J	
Ethylbenzene	MG/KG	41	390	-					0.0030 J
Methyl ethyl ketone (2-Butanone)	MG/KG	100	500	-	0.015 J				0.0070 J
Methylene chloride	MG/KG	100	500	-					
Toluene	MG/KG	100	500	-					
Vinyl chloride	MG/KG	0.9	13	-					
Xylene (total)	MG/KG	100	500	-					0.0030 J
Semivolatile Organic Compounds									
1,1-Biphenyl	MG/KG	-	-	-				0.092 J	
2,4,5-Trichlorophenol	MG/KG	-	-	-					0.46 J
2,4-Dichlorophenol	MG/KG	-	-	-				0.92	1.4
2-Methylnaphthalene	MG/KG	-	-	-				0.42 J	
2-Methylphenol (o-cresol)	MG/KG	100	500	-				0.12 J	
4-Methylphenol (p-cresol)	MG/KG	100	500	-				2.2	
Acenaphthene	MG/KG	100	500	-				0.12 J	
Acenaphthylene	MG/KG	100	500	-				0.13 J	
Acetophenone	MG/KG	-	-	-				0.12 J	

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					MW-09	SB-01	SB-01	SB-01	SB-01
Sample ID					MW-9 (14-16')	SB-1 (2-4)	SB-1 (4-6)	SB-1 (6-8)	SB-1 (8-10)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					14.0-16.0	2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0
Date Sampled					04/29/14	05/15/13	05/15/13	05/15/13	05/15/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Semivolatile Organic Compounds									
Anthracene	MG/KG	100	500	-				0.35 J	
Atrazine	MG/KG	-	-	-				0.31 J	
Benzaldehyde	MG/KG	-	-	-				0.21 J	
Benzo(a)anthracene	MG/KG	1	5.6	-				0.82	
Benzo(a)pyrene	MG/KG	1	1	-				0.81	
Benzo(b)fluoranthene	MG/KG	1	5.6	-		0.099 J		1.5	
Benzo(g,h,i)perylene	MG/KG	100	500	-				0.48	
Benzo(k)fluoranthene	MG/KG	3.9	56	-				0.60	
bis(2-Ethylhexyl)phthalate	MG/KG	-	-	-				2.0	
Butylbenzylphthalate	MG/KG	-	-	-				1.1	
Carbazole	MG/KG	-	-	-				0.34 J	0.15 J
Chrysene	MG/KG	3.9	56	-		0.076 J		1.2	
Dibenz(a,h)anthracene	MG/KG	0.33	0.56	-				0.13 J	
Dibenzofuran	MG/KG	59	350	-				0.15 J	
Di-n-octylphthalate	MG/KG	-	-	-				0.29 J	
Fluoranthene	MG/KG	100	500	-				2.8	
Fluorene	MG/KG	100	500	-				0.28 J	
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	5.6	-				0.42 J	
Isophorone	MG/KG	-	-	-				0.10 J	0.66
Naphthalene	MG/KG	100	500	-				0.66	0.15 J

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					MW-09	SB-01	SB-01	SB-01	SB-01
Sample ID					MW-9 (14-16')	SB-1 (2-4)	SB-1 (4-6)	SB-1 (6-8)	SB-1 (8-10)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					14.0-16.0	2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0
Date Sampled					04/29/14	05/15/13	05/15/13	05/15/13	05/15/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Semivolatile Organic Compounds									
Phenanthrene	MG/KG	100	500	-				1.9	
Phenol	MG/KG	100	500	-				0.57	
Pyrene	MG/KG	100	500	-				2.7	
Pesticide Organic Compounds									
4,4'-DDD	MG/KG	13	92	-				0.046 J	
4,4'-DDE	MG/KG	8.9	62	-		0.0010 J	0.0089	2.4 D	0.019
4,4'-DDT	MG/KG	7.9	47	0.007		0.0015 J	0.0079	0.14 D	
Aldrin	MG/KG	0.097	0.68	-					
alpha-BHC	MG/KG	0.48	3.4	-					
alpha-Chlordane	MG/KG	4.2	24	-				0.12 D	
beta-BHC	MG/KG	0.36	3	-					
delta-BHC	MG/KG	100	500	-					
Dieldrin	MG/KG	0.2	1.4	-				0.018 NJ	
Endosulfan I	MG/KG	24	200	-				0.045 NJ	0.0014 NJ
Endosulfan II	MG/KG	24	200	-					
Endosulfan sulfate	MG/KG	24	200	-					
Endrin	MG/KG	11	89	-				0.0029 NJ	
Endrin aldehyde	MG/KG	-	-	-					
Endrin ketone	MG/KG	-	-	-					0.0037 NJ
gamma-BHC (Lindane)	MG/KG	1.3	9.2	-					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

[MATRIX] = 'SO' AND ([LOCID] = 'MW-02' OR [LOCID] = 'MW-03' OR [LOCID] = 'MW-08' OR [LOCID] = 'MW-09' OR [LOCID] LIKE 'SB-*' OR [LOCID] = 'SS-03' OR [LOCID] = 'SS-04' OR [LOCID] = 'SS-05') AND NOT ([SED] = '0.167' OR [SED] = '0.5' OR [SED] = '1.5' OR [SED] = '2')

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					MW-09	SB-01	SB-01	SB-01	SB-01
Sample ID					MW-9 (14-16')	SB-1 (2-4)	SB-1 (4-6)	SB-1 (6-8)	SB-1 (8-10)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					14.0-16.0	2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0
Date Sampled					04/29/14	05/15/13	05/15/13	05/15/13	05/15/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Pesticide Organic Compounds									
gamma-Chlordane	MG/KG	-	-	-				0.078 DNJ	
Heptachlor	MG/KG	2.1	15	-				0.0012 NJ	
Heptachlor epoxide	MG/KG	-	-	-					
Methoxychlor	MG/KG	-	-	-				0.13	
Herbicides									
2,4,5-T	MG/KG	-	-	-				0.0058 J	
2,4,5-TP (Silvex)	MG/KG	100	500	-	0.0054 J			0.049	0.048
2,4-D	MG/KG	-	-	-				0.81 J	
2,4-DB	MG/KG	-	-	-					
Dicamba	MG/KG	-	-	-				0.16	0.022 J
Dinoseb	MG/KG	-	-	-					
Picrolam	MG/KG	-	-	-					
Metals									
Aluminum	MG/KG	-	-	20400	12,200	6,250	5,840	5,020	6,030
Antimony	MG/KG	-	-	-	0.45 J				
Arsenic	MG/KG	16	16	13.3	2.0	2.2	1.1 J	5.8	2.5
Barium	MG/KG	400	400	-	76.9	29.8	18.1 J	120	47.1
Beryllium	MG/KG	72	590	-	0.22 J	0.20 J	0.18 J	0.29 J	0.29 J
Cadmium	MG/KG	4.3	9.3	-					
Calcium	MG/KG	-	-	34200	5,580	1,090	777	13,000	7,050

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					MW-09	SB-01	SB-01	SB-01	SB-01
Sample ID					MW-9 (14-16')	SB-1 (2-4)	SB-1 (4-6)	SB-1 (6-8)	SB-1 (8-10)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					14.0-16.0	2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0
Date Sampled					04/29/14	05/15/13	05/15/13	05/15/13	05/15/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Metals									
Chromium	MG/KG	180	1500	486	15.8	5.8	4.8	36.9	8.9
Cobalt	MG/KG	-	-	-	12.7	2.4 J	2.8 J	4.4 J	5.0 J
Copper	MG/KG	270	270	-	17.5	6.0	4.5	72.2	12.9
Iron	MG/KG	-	-	35000	26,100	6,650	6,390	41,700	9,570
Lead	MG/KG	400	1000	66.8	10.0	45.0	11.6	660	31.0
Magnesium	MG/KG	-	-	-	4,440	904	1,100	4,440	1,560
Manganese	MG/KG	2000	10000	-	219	143 J	65.1 J	305 J	67.2 J
Mercury	MG/KG	0.81	2.8	0.27		0.097	0.026 J		0.28
Nickel	MG/KG	310	310	-	11.9		4.4	9.6	8.2
Potassium	MG/KG	-	-	-	1,990	14.3 J	108 J	291 J	326 J
Selenium	MG/KG	180	1500	6.4	4.7				
Silver	MG/KG	180	1500	3.6	2.5				
Sodium	MG/KG	-	-	-	737			415 J	
Thallium	MG/KG	-	-	-					
Vanadium	MG/KG	-	-	80	40.4	8.8	8.5	24.7	13.2
Zinc	MG/KG	10000	10000	-	64.6	41.6	22.2	5,250	59.9

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-01	SB-01	SB-01	SB-01	SB-01
Sample ID					SB-1 (10-12)	SB-1 (12-14)	SB-1 (14-16)	SB-1 (16-18)	SB-1 (18-20)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					10.0-12.0	12.0-14.0	14.0-16.0	16.0-18.0	18.0-20.0
Date Sampled					05/15/13	05/15/13	05/15/13	05/15/13	05/15/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Volatile Organic Compounds									
4-Methyl-2-pentanone	MG/KG	-	-	-		NA			
Acetone	MG/KG	100	500	0.089	0.048 J	NA	0.012 J	0.013 J	
Carbon disulfide	MG/KG	-	-	-		NA			
Chlorobenzene	MG/KG	100	500	-		NA			
Ethylbenzene	MG/KG	41	390	-		NA			
Methyl ethyl ketone (2-Butanone)	MG/KG	100	500	-	0.013 J	NA			
Methylene chloride	MG/KG	100	500	-		NA			0.0030 J
Toluene	MG/KG	100	500	-		NA			
Vinyl chloride	MG/KG	0.9	13	-		NA		0.0010 J	
Xylene (total)	MG/KG	100	500	-		NA		0.0030 J	
Semivolatile Organic Compounds									
1,1-Biphenyl	MG/KG	-	-	-					
2,4,5-Trichlorophenol	MG/KG	-	-	-					
2,4-Dichlorophenol	MG/KG	-	-	-			0.32 J	0.45	0.17 J
2-Methylnaphthalene	MG/KG	-	-	-					
2-Methylphenol (o-cresol)	MG/KG	100	500	-					
4-Methylphenol (p-cresol)	MG/KG	100	500	-					
Acenaphthene	MG/KG	100	500	-					
Acenaphthylene	MG/KG	100	500	-					
Acetophenone	MG/KG	-	-	-					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

[MATRIX] = 'SO' AND ([LOCID] = 'MW-02' OR [LOCID] = 'MW-03' OR [LOCID] = 'MW-08' OR [LOCID] = 'MW-09' OR [LOCID] LIKE 'SB-*' OR [LOCID] = 'SS-03' OR [LOCID] = 'SS-04' OR [LOCID] = 'SS-05') AND NOT ([SED] = '0.167' OR [SED] = '0.5' OR [SED] = '1.5' OR [SED] = '2')

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-01	SB-01	SB-01	SB-01	SB-01
Sample ID					SB-1 (10-12)	SB-1 (12-14)	SB-1 (14-16)	SB-1 (16-18)	SB-1 (18-20)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					10.0-12.0	12.0-14.0	14.0-16.0	16.0-18.0	18.0-20.0
Date Sampled					05/15/13	05/15/13	05/15/13	05/15/13	05/15/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Semivolatile Organic Compounds									
Anthracene	MG/KG	100	500	-					
Atrazine	MG/KG	-	-	-					
Benzaldehyde	MG/KG	-	-	-					
Benzo(a)anthracene	MG/KG	1	5.6	-					
Benzo(a)pyrene	MG/KG	1	1	-					
Benzo(b)fluoranthene	MG/KG	1	5.6	-					
Benzo(g,h,i)perylene	MG/KG	100	500	-					
Benzo(k)fluoranthene	MG/KG	3.9	56	-					
bis(2-Ethylhexyl)phthalate	MG/KG	-	-	-					
Butylbenzylphthalate	MG/KG	-	-	-					
Carbazole	MG/KG	-	-	-					
Chrysene	MG/KG	3.9	56	-					
Dibenz(a,h)anthracene	MG/KG	0.33	0.56	-					
Dibenzofuran	MG/KG	59	350	-					
Di-n-octylphthalate	MG/KG	-	-	-					
Fluoranthene	MG/KG	100	500	-					
Fluorene	MG/KG	100	500	-					
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	5.6	-					
Isophorone	MG/KG	-	-	-				0.19 J	
Naphthalene	MG/KG	100	500	-				0.087 J	

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-01	SB-01	SB-01	SB-01	SB-01
Sample ID					SB-1 (10-12)	SB-1 (12-14)	SB-1 (14-16)	SB-1 (16-18)	SB-1 (18-20)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					10.0-12.0	12.0-14.0	14.0-16.0	16.0-18.0	18.0-20.0
Date Sampled					05/15/13	05/15/13	05/15/13	05/15/13	05/15/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Semivolatile Organic Compounds									
Phenanthrene	MG/KG	100	500	-					
Phenol	MG/KG	100	500	-					
Pyrene	MG/KG	100	500	-					
Pesticide Organic Compounds									
4,4'-DDD	MG/KG	13	92	-					0.0022 NJ
4,4'-DDE	MG/KG	8.9	62	-	0.0018 NJ	0.014		0.0023 J	0.056
4,4'-DDT	MG/KG	7.9	47	0.007					
Aldrin	MG/KG	0.097	0.68	-					
alpha-BHC	MG/KG	0.48	3.4	-					0.0022 NJ
alpha-Chlordane	MG/KG	4.2	24	-					
beta-BHC	MG/KG	0.36	3	-					
delta-BHC	MG/KG	100	500	-					
Dieldrin	MG/KG	0.2	1.4	-					0.0020 J
Endosulfan I	MG/KG	24	200	-					0.0028 NJ
Endosulfan II	MG/KG	24	200	-					
Endosulfan sulfate	MG/KG	24	200	-					
Endrin	MG/KG	11	89	-					0.0052 NJ
Endrin aldehyde	MG/KG	-	-	-					
Endrin ketone	MG/KG	-	-	-					
gamma-BHC (Lindane)	MG/KG	1.3	9.2	-					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

[MATRIX] = 'SO' AND ([LOCID] = 'MW-02' OR [LOCID] = 'MW-03' OR [LOCID] = 'MW-08' OR [LOCID] = 'MW-09' OR [LOCID] LIKE 'SB-*' OR [LOCID] = 'SS-03' OR [LOCID] = 'SS-04' OR [LOCID] = 'SS-05') AND NOT ([SED] = '0.167' OR [SED] = '0.5' OR [SED] = '1.5' OR [SED] = '2')

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-01	SB-01	SB-01	SB-01	SB-01
Sample ID					SB-1 (10-12)	SB-1 (12-14)	SB-1 (14-16)	SB-1 (16-18)	SB-1 (18-20)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					10.0-12.0	12.0-14.0	14.0-16.0	16.0-18.0	18.0-20.0
Date Sampled					05/15/13	05/15/13	05/15/13	05/15/13	05/15/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Pesticide Organic Compounds									
gamma-Chlordane	MG/KG	-	-	-					
Heptachlor	MG/KG	2.1	15	-					
Heptachlor epoxide	MG/KG	-	-	-					
Methoxychlor	MG/KG	-	-	-					
Herbicides									
2,4,5-T	MG/KG	-	-	-					
2,4,5-TP (Silvex)	MG/KG	100	500	-			0.079	0.053	0.11
2,4-D	MG/KG	-	-	-				0.41	0.1 J
2,4-DB	MG/KG	-	-	-					
Dicamba	MG/KG	-	-	-	0.021				0.021
Dinoseb	MG/KG	-	-	-					
Picrolam	MG/KG	-	-	-					
Metals									
Aluminum	MG/KG	-	-	20400	6,960	NA	10,100	3,700	9,530
Antimony	MG/KG	-	-	-		NA			0.64 J
Arsenic	MG/KG	16	16	13.3	1.9	NA	2.6	4.2	7.7
Barium	MG/KG	400	400	-	31.9	NA	119	42.4	56.4
Beryllium	MG/KG	72	590	-	0.35 J	NA	0.57 J	0.20 J	0.54 J
Cadmium	MG/KG	4.3	9.3	-		NA			2.4
Calcium	MG/KG	-	-	34200	1,540	NA	10,500	64,300	19,800

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

[MATRIX] = 'SO' AND ([LOCID] = 'MW-02' OR [LOCID] = 'MW-03' OR [LOCID] = 'MW-08' OR [LOCID] = 'MW-09' OR [LOCID] LIKE 'SB-*' OR [LOCID] = 'SS-03' OR [LOCID] = 'SS-04' OR [LOCID] = 'SS-05') AND NOT ([SED] = '0.167' OR [SED] = '0.5' OR [SED] = '1.5' OR [SED] = '2')

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-01	SB-01	SB-01	SB-01	SB-01
Sample ID					SB-1 (10-12)	SB-1 (12-14)	SB-1 (14-16)	SB-1 (16-18)	SB-1 (18-20)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					10.0-12.0	12.0-14.0	14.0-16.0	16.0-18.0	18.0-20.0
Date Sampled					05/15/13	05/15/13	05/15/13	05/15/13	05/15/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Metals									
Chromium	MG/KG	180	1500	486	10.2	NA	16.1	8.8	24.7
Cobalt	MG/KG	-	-	-	4.8 J	NA	9.9	6.8	11.9
Copper	MG/KG	270	270	-	4.3	NA	9.6	10.4	27.7 J
Iron	MG/KG	-	-	35000	10,600	NA	19,700	11,400	
Lead	MG/KG	400	1000	66.8	10.3	NA	0.52	2.4	17.3
Magnesium	MG/KG	-	-	-	1,440	NA	6,320	25,800	9,270
Manganese	MG/KG	2000	10000	-	56.7 J	NA	273 J	240 J	385
Mercury	MG/KG	0.81	2.8	0.27		NA			
Nickel	MG/KG	310	310	-	6.2	NA	11.1	11.4	27.7
Potassium	MG/KG	-	-	-	220 J	NA	1,300	773	1,810 J
Selenium	MG/KG	180	1500	6.4		NA			
Silver	MG/KG	180	1500	3.6		NA			
Sodium	MG/KG	-	-	-		NA	499 J		
Thallium	MG/KG	-	-	-		NA		0.21 J	0.33 J
Vanadium	MG/KG	-	-	80	15.1	NA	32.8	10.9	19.8
Zinc	MG/KG	10000	10000	-	23.3	NA	52.3	32.8	69.3

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-01	SB-02	SB-02	SB-02	SB-02
Sample ID					SB-1 (20-22)	SB-2 (2-4)	SB-2 (4-6)	SB-2 (6-8)	SB-2 (8-10)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					20.0-22.0	2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0
Date Sampled					05/15/13	05/15/13	05/15/13	05/15/13	05/15/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Volatile Organic Compounds									
4-Methyl-2-pentanone	MG/KG	-	-	-					
Acetone	MG/KG	100	500	0.089				0.17 J	0.043 J
Carbon disulfide	MG/KG	-	-	-					
Chlorobenzene	MG/KG	100	500	-					
Ethylbenzene	MG/KG	41	390	-					
Methyl ethyl ketone (2-Butanone)	MG/KG	100	500	-				0.041 J	0.012 J
Methylene chloride	MG/KG	100	500	-	0.0040 J	0.0040 J			
Toluene	MG/KG	100	500	-				0.0010 J	
Vinyl chloride	MG/KG	0.9	13	-					
Xylene (total)	MG/KG	100	500	-					
Semivolatile Organic Compounds									
1,1-Biphenyl	MG/KG	-	-	-					
2,4,5-Trichlorophenol	MG/KG	-	-	-					
2,4-Dichlorophenol	MG/KG	-	-	-	0.099 J				0.093 J
2-Methylnaphthalene	MG/KG	-	-	-					0.12 J
2-Methylphenol (o-cresol)	MG/KG	100	500	-					
4-Methylphenol (p-cresol)	MG/KG	100	500	-					1.1
Acenaphthene	MG/KG	100	500	-					0.12 J
Acenaphthylene	MG/KG	100	500	-					
Acetophenone	MG/KG	-	-	-					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-01	SB-02	SB-02	SB-02	SB-02
Sample ID					SB-1 (20-22)	SB-2 (2-4)	SB-2 (4-6)	SB-2 (6-8)	SB-2 (8-10)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					20.0-22.0	2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0
Date Sampled					05/15/13	05/15/13	05/15/13	05/15/13	05/15/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Semivolatile Organic Compounds									
Anthracene	MG/KG	100	500	-					0.48
Atrazine	MG/KG	-	-	-					
Benzaldehyde	MG/KG	-	-	-				0.095 J	
Benzo(a)anthracene	MG/KG	1	5.6	-				0.12 J	1.1
Benzo(a)pyrene	MG/KG	1	1	-				0.12 J	0.81
Benzo(b)fluoranthene	MG/KG	1	5.6	-				0.21 J	1.1
Benzo(g,h,i)perylene	MG/KG	100	500	-					0.34 J
Benzo(k)fluoranthene	MG/KG	3.9	56	-					0.36 J
bis(2-Ethylhexyl)phthalate	MG/KG	-	-	-					0.12 J
Butylbenzylphthalate	MG/KG	-	-	-					
Carbazole	MG/KG	-	-	-				0.18 J	0.38 J
Chrysene	MG/KG	3.9	56	-				0.16 J	0.98
Dibenz(a,h)anthracene	MG/KG	0.33	0.56	-					0.11 J
Dibenzofuran	MG/KG	59	350	-					0.14 J
Di-n-octylphthalate	MG/KG	-	-	-					
Fluoranthene	MG/KG	100	500	-				0.27 J	2.4
Fluorene	MG/KG	100	500	-					0.20 J
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	5.6	-					0.32 J
Isophorone	MG/KG	-	-	-	0.14 J				
Naphthalene	MG/KG	100	500	-					0.62

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-01	SB-02	SB-02	SB-02	SB-02
Sample ID					SB-1 (20-22)	SB-2 (2-4)	SB-2 (4-6)	SB-2 (6-8)	SB-2 (8-10)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					20.0-22.0	2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0
Date Sampled					05/15/13	05/15/13	05/15/13	05/15/13	05/15/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Semivolatile Organic Compounds									
Phenanthrene	MG/KG	100	500	-				0.18 J	1.8
Phenol	MG/KG	100	500	-					0.12 J
Pyrene	MG/KG	100	500	-				0.24 J	2.1
Pesticide Organic Compounds									
4,4'-DDD	MG/KG	13	92	-		0.0057 NJ	0.0039 NJ	0.0096	0.014 NJ
4,4'-DDE	MG/KG	8.9	62	-	0.0095	0.0095	0.0034 J	0.0096	0.012
4,4'-DDT	MG/KG	7.9	47	0.007		0.073 D	0.0014 J	0.0014 NJ	
Aldrin	MG/KG	0.097	0.68	-					
alpha-BHC	MG/KG	0.48	3.4	-					
alpha-Chlordane	MG/KG	4.2	24	-		0.0023	0.0025 J	0.0082	0.012 J
beta-BHC	MG/KG	0.36	3	-					
delta-BHC	MG/KG	100	500	-					
Dieldrin	MG/KG	0.2	1.4	-			0.0028	0.0028 NJ	
Endosulfan I	MG/KG	24	200	-					
Endosulfan II	MG/KG	24	200	-					
Endosulfan sulfate	MG/KG	24	200	-					
Endrin	MG/KG	11	89	-					
Endrin aldehyde	MG/KG	-	-	-					
Endrin ketone	MG/KG	-	-	-					0.0027 J
gamma-BHC (Lindane)	MG/KG	1.3	9.2	-					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-01	SB-02	SB-02	SB-02	SB-02
Sample ID					SB-1 (20-22)	SB-2 (2-4)	SB-2 (4-6)	SB-2 (6-8)	SB-2 (8-10)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					20.0-22.0	2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0
Date Sampled					05/15/13	05/15/13	05/15/13	05/15/13	05/15/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Pesticide Organic Compounds									
gamma-Chlordane	MG/KG	-	-	-		0.0029			
Heptachlor	MG/KG	2.1	15	-					
Heptachlor epoxide	MG/KG	-	-	-					
Methoxychlor	MG/KG	-	-	-					
Herbicides									
2,4,5-T	MG/KG	-	-	-				0.0052 J	
2,4,5-TP (Silvex)	MG/KG	100	500	-	0.023 J				
2,4-D	MG/KG	-	-	-	0.15 J			0.026	
2,4-DB	MG/KG	-	-	-					
Dicamba	MG/KG	-	-	-	0.022				
Dinoseb	MG/KG	-	-	-					
Picrolam	MG/KG	-	-	-					
Metals									
Aluminum	MG/KG	-	-	20400	9,660	6,340	5,800	1,510	2,930
Antimony	MG/KG	-	-	-	0.76 J			0.51 J	
Arsenic	MG/KG	16	16	13.3	6.0	0.93 J	2.6	3.5	2.5
Barium	MG/KG	400	400	-	53.7	28.6	28.8	39.5	26.5
Beryllium	MG/KG	72	590	-	0.52 J	0.19 J	0.16 J	0.052 J	0.037 J
Cadmium	MG/KG	4.3	9.3	-	2.3			0.80	
Calcium	MG/KG	-	-	34200	17,600	2,060	6,290	8,020	4,690

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

Advanced Selection: Site Subsurface
J:\Projects\11176892\DB\EDMS.mde
Printed: 12/18/2014 11:04:33 AM

[MATRIX] = 'SO' AND ([LOCID] = 'MW-02' OR [LOCID] = 'MW-03' OR [LOCID] = 'MW-08' OR [LOCID] = 'MW-09' OR [LOCID] LIKE 'SB-*' OR [LOCID] = 'SS-03' OR [LOCID] = 'SS-04' OR [LOCID] = 'SS-05') AND NOT ([SED] = '0.167' OR [SED] = '0.5' OR [SED] = '1.5' OR [SED] = '2')

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-01	SB-02	SB-02	SB-02	SB-02
Sample ID					SB-1 (20-22)	SB-2 (2-4)	SB-2 (4-6)	SB-2 (6-8)	SB-2 (8-10)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					20.0-22.0	2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0
Date Sampled					05/15/13	05/15/13	05/15/13	05/15/13	05/15/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Metals									
Chromium	MG/KG	180	1500	486	23.6	9.2	9.2	6.9	8.0
Cobalt	MG/KG	-	-	-	10.2	4.0 J	4.0 J	4.8 J	3.7 J
Copper	MG/KG	270	270	-	27.5 J	2.9 J	11.3	37.0	12.3
Iron	MG/KG	-	-	35000		11,200	9,920	7,990	7,950
Lead	MG/KG	400	1000	66.8	14.6	6.1	30.2	36.0	44.5
Magnesium	MG/KG	-	-	-	8,740	1,240	1,980	676	1,320
Manganese	MG/KG	2000	10000	-	375	104	102	79.4	89.5
Mercury	MG/KG	0.81	2.8	0.27					0.062
Nickel	MG/KG	310	310	-	22.9	4.2 J	8.6	15.6	7.9
Potassium	MG/KG	-	-	-	1,600 J				
Selenium	MG/KG	180	1500	6.4					
Silver	MG/KG	180	1500	3.6					
Sodium	MG/KG	-	-	-			45.2 J	42.3 J	42.2 J
Thallium	MG/KG	-	-	-	0.75 J				
Vanadium	MG/KG	-	-	80	18.8	19.2	13.6	7.4	12.0
Zinc	MG/KG	10000	10000	-	70.9	28.7	49.3	99.7	47.7

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-02	SB-02	SB-02	SB-02	SB-02
Sample ID					SB-2 (10-12)	SB-2 (12-14)	SB-2 (14-16)	SB-2 (16-18)	SB-2 (18-20)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					10.0-12.0	12.0-14.0	14.0-16.0	16.0-18.0	18.0-20.0
Date Sampled					05/15/13	05/15/13	05/15/13	05/15/13	05/15/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Volatile Organic Compounds									
4-Methyl-2-pentanone	MG/KG	-	-	-					
Acetone	MG/KG	100	500	0.089	0.056 J	0.047 J			
Carbon disulfide	MG/KG	-	-	-					
Chlorobenzene	MG/KG	100	500	-					
Ethylbenzene	MG/KG	41	390	-					
Methyl ethyl ketone (2-Butanone)	MG/KG	100	500	-	0.010 J	0.0090 J			
Methylene chloride	MG/KG	100	500	-					
Toluene	MG/KG	100	500	-					
Vinyl chloride	MG/KG	0.9	13	-					
Xylene (total)	MG/KG	100	500	-					
Semivolatile Organic Compounds									
1,1-Biphenyl	MG/KG	-	-	-					
2,4,5-Trichlorophenol	MG/KG	-	-	-					
2,4-Dichlorophenol	MG/KG	-	-	-					
2-Methylnaphthalene	MG/KG	-	-	-					
2-Methylphenol (o-cresol)	MG/KG	100	500	-					
4-Methylphenol (p-cresol)	MG/KG	100	500	-	0.11 J				
Acenaphthene	MG/KG	100	500	-					
Acenaphthylene	MG/KG	100	500	-					
Acetophenone	MG/KG	-	-	-					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-02	SB-02	SB-02	SB-02	SB-02
Sample ID					SB-2 (10-12)	SB-2 (12-14)	SB-2 (14-16)	SB-2 (16-18)	SB-2 (18-20)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					10.0-12.0	12.0-14.0	14.0-16.0	16.0-18.0	18.0-20.0
Date Sampled					05/15/13	05/15/13	05/15/13	05/15/13	05/15/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Semivolatile Organic Compounds									
Anthracene	MG/KG	100	500	-	0.13 J				
Atrazine	MG/KG	-	-	-					
Benzaldehyde	MG/KG	-	-	-	0.082 J				
Benzo(a)anthracene	MG/KG	1	5.6	-	0.22 J				
Benzo(a)pyrene	MG/KG	1	1	-	0.16 J				
Benzo(b)fluoranthene	MG/KG	1	5.6	-	0.19 J				
Benzo(g,h,i)perylene	MG/KG	100	500	-	0.087 J				
Benzo(k)fluoranthene	MG/KG	3.9	56	-					
bis(2-Ethylhexyl)phthalate	MG/KG	-	-	-					
Butylbenzylphthalate	MG/KG	-	-	-					
Carbazole	MG/KG	-	-	-	0.17 J				
Chrysene	MG/KG	3.9	56	-	0.20 J				
Dibenz(a,h)anthracene	MG/KG	0.33	0.56	-					
Dibenzofuran	MG/KG	59	350	-					
Di-n-octylphthalate	MG/KG	-	-	-					
Fluoranthene	MG/KG	100	500	-	0.49				
Fluorene	MG/KG	100	500	-					
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	5.6	-	0.081 J				
Isophorone	MG/KG	-	-	-					
Naphthalene	MG/KG	100	500	-					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-02	SB-02	SB-02	SB-02	SB-02
Sample ID					SB-2 (10-12)	SB-2 (12-14)	SB-2 (14-16)	SB-2 (16-18)	SB-2 (18-20)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					10.0-12.0	12.0-14.0	14.0-16.0	16.0-18.0	18.0-20.0
Date Sampled					05/15/13	05/15/13	05/15/13	05/15/13	05/15/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Semivolatile Organic Compounds									
Phenanthrene	MG/KG	100	500	-	0.46				
Phenol	MG/KG	100	500	-					
Pyrene	MG/KG	100	500	-	0.43				
Pesticide Organic Compounds									
4,4'-DDD	MG/KG	13	92	-					
4,4'-DDE	MG/KG	8.9	62	-	0.0027				
4,4'-DDT	MG/KG	7.9	47	0.007					
Aldrin	MG/KG	0.097	0.68	-					
alpha-BHC	MG/KG	0.48	3.4	-					
alpha-Chlordane	MG/KG	4.2	24	-	0.0047 J				
beta-BHC	MG/KG	0.36	3	-					
delta-BHC	MG/KG	100	500	-					
Dieldrin	MG/KG	0.2	1.4	-					
Endosulfan I	MG/KG	24	200	-					
Endosulfan II	MG/KG	24	200	-					
Endosulfan sulfate	MG/KG	24	200	-					
Endrin	MG/KG	11	89	-					
Endrin aldehyde	MG/KG	-	-	-					
Endrin ketone	MG/KG	-	-	-					
gamma-BHC (Lindane)	MG/KG	1.3	9.2	-					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

[MATRIX] = 'SO' AND ([LOCID] = 'MW-02' OR [LOCID] = 'MW-03' OR [LOCID] = 'MW-08' OR [LOCID] = 'MW-09' OR [LOCID] LIKE 'SB-*' OR [LOCID] = 'SS-03' OR [LOCID] = 'SS-04' OR [LOCID] = 'SS-05') AND NOT ([SED] = '0.167' OR [SED] = '0.5' OR [SED] = '1.5' OR [SED] = '2')

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-02	SB-02	SB-02	SB-02	SB-02
Sample ID					SB-2 (10-12)	SB-2 (12-14)	SB-2 (14-16)	SB-2 (16-18)	SB-2 (18-20)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					10.0-12.0	12.0-14.0	14.0-16.0	16.0-18.0	18.0-20.0
Date Sampled					05/15/13	05/15/13	05/15/13	05/15/13	05/15/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Pesticide Organic Compounds									
gamma-Chlordane	MG/KG	-	-	-					
Heptachlor	MG/KG	2.1	15	-					
Heptachlor epoxide	MG/KG	-	-	-					
Methoxychlor	MG/KG	-	-	-					
Herbicides									
2,4,5-T	MG/KG	-	-	-	0.0083				
2,4,5-TP (Silvex)	MG/KG	100	500	-	0.0038 J				
2,4-D	MG/KG	-	-	-	0.034				
2,4-DB	MG/KG	-	-	-					
Dicamba	MG/KG	-	-	-					
Dinoseb	MG/KG	-	-	-					
Picrolam	MG/KG	-	-	-					
Metals									
Aluminum	MG/KG	-	-	20400	8,770	9,590	9,040	10,800	11,100
Antimony	MG/KG	-	-	-					
Arsenic	MG/KG	16	16	13.3	4.6	5.7	1.7	2.6	3.2
Barium	MG/KG	400	400	-	53.2	78.6	45.0	61.2	85.5
Beryllium	MG/KG	72	590	-	0.36 J		0.14 J	0.18 J	0.23 J
Cadmium	MG/KG	4.3	9.3	-					
Calcium	MG/KG	-	-	34200	2,150	17,800	15,500	21,300	20,700

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-02	SB-02	SB-02	SB-02	SB-02
Sample ID					SB-2 (10-12)	SB-2 (12-14)	SB-2 (14-16)	SB-2 (16-18)	SB-2 (18-20)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					10.0-12.0	12.0-14.0	14.0-16.0	16.0-18.0	18.0-20.0
Date Sampled					05/15/13	05/15/13	05/15/13	05/15/13	05/15/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Metals									
Chromium	MG/KG	180	1500	486	19.1	19.0	15.4	17.8	18.9
Cobalt	MG/KG	-	-	-	7.9	12.7	8.4	9.7	10.3
Copper	MG/KG	270	270	-	5.9	19.2	6.8	11.0	10.9
Iron	MG/KG	-	-	35000	21,900	28,400	20,000	23,100	24,100
Lead	MG/KG	400	1000	66.8	5.7	7.2	2.3	4.4	3.2
Magnesium	MG/KG	-	-	-	2,340	5,320	5,750	7,690	7,580
Manganese	MG/KG	2000	10000	-	190	157	249	349	372
Mercury	MG/KG	0.81	2.8	0.27					
Nickel	MG/KG	310	310	-	10.4	32.9	7.9	11.6	12.1
Potassium	MG/KG	-	-	-	840	1,230	935	1,520	1,570
Selenium	MG/KG	180	1500	6.4					
Silver	MG/KG	180	1500	3.6					
Sodium	MG/KG	-	-	-	64.7 J	169 J	544 J	673	628 J
Thallium	MG/KG	-	-	-					
Vanadium	MG/KG	-	-	80	29.3	21.9	33.2	33.3	35.5
Zinc	MG/KG	10000	10000	-	47.1	53.8	43.3	52.4	51.4

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-03	SB-03	SB-03	SB-03	SB-03
Sample ID					SB-3 (2-4)	SB-3 (4-6)	SB-3 (6-8)	SB-3 (8-10)	SB-3 (10-12)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0	10.0-12.0
Date Sampled					05/16/13	05/16/13	05/16/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Volatile Organic Compounds									
4-Methyl-2-pentanone	MG/KG	-	-	-			NA	NA	NA
Acetone	MG/KG	100	500	0.089			NA	NA	NA
Carbon disulfide	MG/KG	-	-	-			NA	NA	NA
Chlorobenzene	MG/KG	100	500	-			NA	NA	NA
Ethylbenzene	MG/KG	41	390	-			NA	NA	NA
Methyl ethyl ketone (2-Butanone)	MG/KG	100	500	-			NA	NA	NA
Methylene chloride	MG/KG	100	500	-			NA	NA	NA
Toluene	MG/KG	100	500	-	0.0010 J		NA	NA	NA
Vinyl chloride	MG/KG	0.9	13	-			NA	NA	NA
Xylene (total)	MG/KG	100	500	-			NA	NA	NA
Semivolatile Organic Compounds									
1,1-Biphenyl	MG/KG	-	-	-					
2,4,5-Trichlorophenol	MG/KG	-	-	-					
2,4-Dichlorophenol	MG/KG	-	-	-					
2-Methylnaphthalene	MG/KG	-	-	-			0.20 J		
2-Methylphenol (o-cresol)	MG/KG	100	500	-					
4-Methylphenol (p-cresol)	MG/KG	100	500	-					
Acenaphthene	MG/KG	100	500	-					
Acenaphthylene	MG/KG	100	500	-					
Acetophenone	MG/KG	-	-	-					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

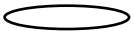
Location ID					SB-03	SB-03	SB-03	SB-03	SB-03
Sample ID					SB-3 (2-4)	SB-3 (4-6)	SB-3 (6-8)	SB-3 (8-10)	SB-3 (10-12)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0	10.0-12.0
Date Sampled					05/16/13	05/16/13	05/16/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Semivolatile Organic Compounds									
Anthracene	MG/KG	100	500	-			0.92 J		
Atrazine	MG/KG	-	-	-					
Benzaldehyde	MG/KG	-	-	-					
Benzo(a)anthracene	MG/KG	1	5.6	-			0.76 J	0.24 J	
Benzo(a)pyrene	MG/KG	1	1	-			1.1 J	0.35 J	0.10 J
Benzo(b)fluoranthene	MG/KG	1	5.6	-			2.0 J	0.62	0.17 J
Benzo(g,h,i)perylene	MG/KG	100	500	-			0.61 J	0.21 J	
Benzo(k)fluoranthene	MG/KG	3.9	56	-			0.87 J	0.29 J	
bis(2-Ethylhexyl)phthalate	MG/KG	-	-	-					
Butylbenzylphthalate	MG/KG	-	-	-					
Carbazole	MG/KG	-	-	-			1.5 J	0.29 J	0.18 J
Chrysene	MG/KG	3.9	56	-			2.3 J	0.68	0.17 J
Dibenz(a,h)anthracene	MG/KG	0.33	0.56	-					
Dibenzofuran	MG/KG	59	350	-			1.5 J	0.16 J	
Di-n-octylphthalate	MG/KG	-	-	-					
Fluoranthene	MG/KG	100	500	-			7.6 J	1.6	0.42
Fluorene	MG/KG	100	500	-			1.8 J	0.12 J	
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	5.6	-			0.61 J	0.22 J	
Isophorone	MG/KG	-	-	-					
Naphthalene	MG/KG	100	500	-			0.28 J		

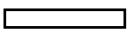
Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.


Concentration Exceeds Criteria 1


Concentration Exceeds Criteria (2)



Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-03	SB-03	SB-03	SB-03	SB-03
Sample ID					SB-3 (2-4)	SB-3 (4-6)	SB-3 (6-8)	SB-3 (8-10)	SB-3 (10-12)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0	10.0-12.0
Date Sampled					05/16/13	05/16/13	05/16/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Semivolatile Organic Compounds									
Phenanthrene	MG/KG	100	500	-			12 J	1.3	0.39 J
Phenol	MG/KG	100	500	-					
Pyrene	MG/KG	100	500	-			5.4 J	1.3	0.33 J
Pesticide Organic Compounds									
4,4'-DDD	MG/KG	13	92	-				0.013 J	
4,4'-DDE	MG/KG	8.9	62	-			0.090 J	0.012	0.0079
4,4'-DDT	MG/KG	7.9	47	0.007			0.034 NJ		0.0020 NJ
Aldrin	MG/KG	0.097	0.68	-					
alpha-BHC	MG/KG	0.48	3.4	-					
alpha-Chlordane	MG/KG	4.2	24	-			0.020 J	0.0014 J	
beta-BHC	MG/KG	0.36	3	-					
delta-BHC	MG/KG	100	500	-					
Dieldrin	MG/KG	0.2	1.4	-					
Endosulfan I	MG/KG	24	200	-					
Endosulfan II	MG/KG	24	200	-					
Endosulfan sulfate	MG/KG	24	200	-			0.013 J		
Endrin	MG/KG	11	89	-					
Endrin aldehyde	MG/KG	-	-	-					
Endrin ketone	MG/KG	-	-	-			0.035 J		
gamma-BHC (Lindane)	MG/KG	1.3	9.2	-					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-03	SB-03	SB-03	SB-03	SB-03
Sample ID					SB-3 (2-4)	SB-3 (4-6)	SB-3 (6-8)	SB-3 (8-10)	SB-3 (10-12)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0	10.0-12.0
Date Sampled					05/16/13	05/16/13	05/16/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Pesticide Organic Compounds									
gamma-Chlordane	MG/KG	-	-	-					
Heptachlor	MG/KG	2.1	15	-					
Heptachlor epoxide	MG/KG	-	-	-					
Methoxychlor	MG/KG	-	-	-			0.028 NJ		
Herbicides									
2,4,5-T	MG/KG	-	-	-				0.013 NJ	0.0099 J
2,4,5-TP (Silvex)	MG/KG	100	500	-				0.0059 J	0.0063 J
2,4-D	MG/KG	-	-	-					
2,4-DB	MG/KG	-	-	-					
Dicamba	MG/KG	-	-	-					
Dinoseb	MG/KG	-	-	-					
Picrolam	MG/KG	-	-	-			0.02 J		
Metals									
Aluminum	MG/KG	-	-	20400	4,170	4,500	NA	NA	NA
Antimony	MG/KG	-	-	-			NA	NA	NA
Arsenic	MG/KG	16	16	13.3	0.76 J	2.5	NA	NA	NA
Barium	MG/KG	400	400	-	12.5 J	18.9 J	NA	NA	NA
Beryllium	MG/KG	72	590	-	0.16 J	0.21 J	NA	NA	NA
Cadmium	MG/KG	4.3	9.3	-			NA	NA	NA
Calcium	MG/KG	-	-	34200	1,480	1,210	NA	NA	NA

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-03	SB-03	SB-03	SB-03	SB-03
Sample ID					SB-3 (2-4)	SB-3 (4-6)	SB-3 (6-8)	SB-3 (8-10)	SB-3 (10-12)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0	10.0-12.0
Date Sampled					05/16/13	05/16/13	05/16/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Metals									
Chromium	MG/KG	180	1500	486	5.7	6.8	NA	NA	NA
Cobalt	MG/KG	-	-	-	2.6 J	2.9 J	NA	NA	NA
Copper	MG/KG	270	270	-	2.2 J	26.8 J	NA	NA	NA
Iron	MG/KG	-	-	35000	6,910	8,440	NA	NA	NA
Lead	MG/KG	400	1000	66.8	7.7	18.3	NA	NA	NA
Magnesium	MG/KG	-	-	-	1,110	1,510	NA	NA	NA
Manganese	MG/KG	2000	10000	-	35.9	46.6	NA	NA	NA
Mercury	MG/KG	0.81	2.8	0.27			NA	NA	NA
Nickel	MG/KG	310	310	-	3.1 J	4.0 J	NA	NA	NA
Potassium	MG/KG	-	-	-			NA	NA	NA
Selenium	MG/KG	180	1500	6.4			NA	NA	NA
Silver	MG/KG	180	1500	3.6			NA	NA	NA
Sodium	MG/KG	-	-	-			NA	NA	NA
Thallium	MG/KG	-	-	-			NA	NA	NA
Vanadium	MG/KG	-	-	80	12.0	12.1	NA	NA	NA
Zinc	MG/KG	10000	10000	-	19.4	28.5	NA	NA	NA

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-03	SB-03	SB-03	SB-04	SB-04
Sample ID					SB-3 (14-16)	SB-3 (16-18)	SB-3 (18-20)	SB-4 (2-4)	SB-4 (4-6)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					14.0-16.0	16.0-18.0	18.0-20.0	2.0-4.0	4.0-6.0
Date Sampled					05/16/13	05/16/13	05/16/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Volatile Organic Compounds									
4-Methyl-2-pentanone	MG/KG	-	-	-					
Acetone	MG/KG	100	500	0.089	0.015 J	0.015 J	0.015 J		
Carbon disulfide	MG/KG	-	-	-					
Chlorobenzene	MG/KG	100	500	-					
Ethylbenzene	MG/KG	41	390	-					
Methyl ethyl ketone (2-Butanone)	MG/KG	100	500	-					
Methylene chloride	MG/KG	100	500	-					
Toluene	MG/KG	100	500	-					
Vinyl chloride	MG/KG	0.9	13	-					
Xylene (total)	MG/KG	100	500	-					
Semivolatile Organic Compounds									
1,1-Biphenyl	MG/KG	-	-	-					
2,4,5-Trichlorophenol	MG/KG	-	-	-					
2,4-Dichlorophenol	MG/KG	-	-	-					
2-Methylnaphthalene	MG/KG	-	-	-					
2-Methylphenol (o-cresol)	MG/KG	100	500	-					
4-Methylphenol (p-cresol)	MG/KG	100	500	-					
Acenaphthene	MG/KG	100	500	-					
Acenaphthylene	MG/KG	100	500	-					
Acetophenone	MG/KG	-	-	-					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-03	SB-03	SB-03	SB-04	SB-04
Sample ID					SB-3 (14-16)	SB-3 (16-18)	SB-3 (18-20)	SB-4 (2-4)	SB-4 (4-6)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					14.0-16.0	16.0-18.0	18.0-20.0	2.0-4.0	4.0-6.0
Date Sampled					05/16/13	05/16/13	05/16/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Semivolatile Organic Compounds									
Anthracene	MG/KG	100	500	-					
Atrazine	MG/KG	-	-	-					
Benzaldehyde	MG/KG	-	-	-					
Benzo(a)anthracene	MG/KG	1	5.6	-					
Benzo(a)pyrene	MG/KG	1	1	-					
Benzo(b)fluoranthene	MG/KG	1	5.6	-					
Benzo(g,h,i)perylene	MG/KG	100	500	-					
Benzo(k)fluoranthene	MG/KG	3.9	56	-					
bis(2-Ethylhexyl)phthalate	MG/KG	-	-	-					
Butylbenzylphthalate	MG/KG	-	-	-					
Carbazole	MG/KG	-	-	-					0.13 J
Chrysene	MG/KG	3.9	56	-					
Dibenz(a,h)anthracene	MG/KG	0.33	0.56	-					
Dibenzofuran	MG/KG	59	350	-					
Di-n-octylphthalate	MG/KG	-	-	-					
Fluoranthene	MG/KG	100	500	-					0.090 J
Fluorene	MG/KG	100	500	-					
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	5.6	-					
Isophorone	MG/KG	-	-	-					
Naphthalene	MG/KG	100	500	-					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

[MATRIX] = 'SO' AND ([LOCID] = 'MW-02' OR [LOCID] = 'MW-03' OR [LOCID] = 'MW-08' OR [LOCID] = 'MW-09' OR [LOCID] LIKE 'SB-*' OR [LOCID] = 'SS-03' OR [LOCID] = 'SS-04' OR [LOCID] = 'SS-05') AND NOT ([SED] = '0.167' OR [SED] = '0.5' OR [SED] = '1.5' OR [SED] = '2')

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-03	SB-03	SB-03	SB-04	SB-04
Sample ID					SB-3 (14-16)	SB-3 (16-18)	SB-3 (18-20)	SB-4 (2-4)	SB-4 (4-6)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					14.0-16.0	16.0-18.0	18.0-20.0	2.0-4.0	4.0-6.0
Date Sampled					05/16/13	05/16/13	05/16/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Semivolatile Organic Compounds									
Phenanthrene	MG/KG	100	500	-					
Phenol	MG/KG	100	500	-					
Pyrene	MG/KG	100	500	-					0.077 J
Pesticide Organic Compounds									
4,4'-DDD	MG/KG	13	92	-					0.0031 NJ
4,4'-DDE	MG/KG	8.9	62	-				0.0052	0.0067
4,4'-DDT	MG/KG	7.9	47	0.007				0.0059	0.0066
Aldrin	MG/KG	0.097	0.68	-					
alpha-BHC	MG/KG	0.48	3.4	-					
alpha-Chlordane	MG/KG	4.2	24	-					0.0017 J
beta-BHC	MG/KG	0.36	3	-					
delta-BHC	MG/KG	100	500	-					
Dieldrin	MG/KG	0.2	1.4	-					0.0029 J
Endosulfan I	MG/KG	24	200	-					
Endosulfan II	MG/KG	24	200	-					
Endosulfan sulfate	MG/KG	24	200	-					
Endrin	MG/KG	11	89	-					
Endrin aldehyde	MG/KG	-	-	-					
Endrin ketone	MG/KG	-	-	-					
gamma-BHC (Lindane)	MG/KG	1.3	9.2	-					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-03	SB-03	SB-03	SB-04	SB-04
Sample ID					SB-3 (14-16)	SB-3 (16-18)	SB-3 (18-20)	SB-4 (2-4)	SB-4 (4-6)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					14.0-16.0	16.0-18.0	18.0-20.0	2.0-4.0	4.0-6.0
Date Sampled					05/16/13	05/16/13	05/16/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Pesticide Organic Compounds									
gamma-Chlordane	MG/KG	-	-	-					
Heptachlor	MG/KG	2.1	15	-					
Heptachlor epoxide	MG/KG	-	-	-					
Methoxychlor	MG/KG	-	-	-					
Herbicides									
2,4,5-T	MG/KG	-	-	-					
2,4,5-TP (Silvex)	MG/KG	100	500	-		0.0076			
2,4-D	MG/KG	-	-	-				0.019 J	
2,4-DB	MG/KG	-	-	-				0.011 NJ	
Dicamba	MG/KG	-	-	-					
Dinoseb	MG/KG	-	-	-					
Picrolam	MG/KG	-	-	-					
Metals									
Aluminum	MG/KG	-	-	20400	13,000	12,900	8,260	6,710	5,160
Antimony	MG/KG	-	-	-					
Arsenic	MG/KG	16	16	13.3	2.1	2.4	1.7	1.4	1.0 J
Barium	MG/KG	400	400	-	169 J	169 J	113 J	17.8 J	23.4 J
Beryllium	MG/KG	72	590	-					0.15 J
Cadmium	MG/KG	4.3	9.3	-					
Calcium	MG/KG	-	-	34200	18,900	18,800	15,300	1,250	1,510

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-03	SB-03	SB-03	SB-04	SB-04
Sample ID					SB-3 (14-16)	SB-3 (16-18)	SB-3 (18-20)	SB-4 (2-4)	SB-4 (4-6)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					14.0-16.0	16.0-18.0	18.0-20.0	2.0-4.0	4.0-6.0
Date Sampled					05/16/13	05/16/13	05/16/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Metals									
Chromium	MG/KG	180	1500	486	19.9	18.5	13.9	5.4	5.3
Cobalt	MG/KG	-	-	-	9.9	10.6	7.7	3.0 J	2.9 J
Copper	MG/KG	270	270	-	12.8 J	11.8 J	7.0 J	4.0 J	4.8 J
Iron	MG/KG	-	-	35000	25,200	25,100	18,300	8,650	7,310
Lead	MG/KG	400	1000	66.8	0.92 J	0.56 J		15.7 J	29.7 J
Magnesium	MG/KG	-	-	-	8,240	7,650	6,160	1,250	1,290
Manganese	MG/KG	2000	10000	-	365	399	235	101	69.1
Mercury	MG/KG	0.81	2.8	0.27	0.030 J	0.031 J		0.039	0.053
Nickel	MG/KG	310	310	-	13.1 J	12.7 J	8.7 J	4.4 J	
Potassium	MG/KG	-	-	-	2,220 J	2,000 J	1,240 J		
Selenium	MG/KG	180	1500	6.4					
Silver	MG/KG	180	1500	3.6					
Sodium	MG/KG	-	-	-	574 J	707	468 J		
Thallium	MG/KG	-	-	-					
Vanadium	MG/KG	-	-	80	37.2	33.4	31.0	10.6	9.3
Zinc	MG/KG	10000	10000	-	65.4	63.7	41.8	30.9	53.6

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

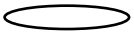
Location ID					SB-04	SB-04	SB-04	SB-04	SB-04
Sample ID					SB-4 (6-8)	SB-4 (8-10)	SB-4 (10-12)	SB-4 (12-14)	SB-4 (14-16)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					6.0-8.0	8.0-10.0	10.0-12.0	12.0-14.0	14.0-16.0
Date Sampled					05/16/13	05/16/13	05/16/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Volatile Organic Compounds									
4-Methyl-2-pentanone	MG/KG	-	-	-			NA		
Acetone	MG/KG	100	500	0.089			NA	0.028 J	0.039 J
Carbon disulfide	MG/KG	-	-	-			NA		
Chlorobenzene	MG/KG	100	500	-			NA		
Ethylbenzene	MG/KG	41	390	-			NA		
Methyl ethyl ketone (2-Butanone)	MG/KG	100	500	-			NA		0.0090 J
Methylene chloride	MG/KG	100	500	-			NA		
Toluene	MG/KG	100	500	-			NA		
Vinyl chloride	MG/KG	0.9	13	-			NA		
Xylene (total)	MG/KG	100	500	-			NA		
Semivolatile Organic Compounds									
1,1-Biphenyl	MG/KG	-	-	-	0.27 J	0.23 J			
2,4,5-Trichlorophenol	MG/KG	-	-	-					
2,4-Dichlorophenol	MG/KG	-	-	-					
2-Methylnaphthalene	MG/KG	-	-	-	3.2	2.9	0.65		
2-Methylphenol (o-cresol)	MG/KG	100	500	-					
4-Methylphenol (p-cresol)	MG/KG	100	500	-	1.4	2.7	0.57		
Acenaphthene	MG/KG	100	500	-	0.61	0.53	0.25 J		
Acenaphthylene	MG/KG	100	500	-	0.27 J	0.56			
Acetophenone	MG/KG	-	-	-	0.13 J	0.13 J			

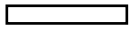
Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

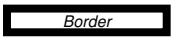
Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.


Concentration Exceeds Criteria 1


Concentration Exceeds Criteria (2)



Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-04	SB-04	SB-04	SB-04	SB-04
Sample ID					SB-4 (6-8)	SB-4 (8-10)	SB-4 (10-12)	SB-4 (12-14)	SB-4 (14-16)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					6.0-8.0	8.0-10.0	10.0-12.0	12.0-14.0	14.0-16.0
Date Sampled					05/16/13	05/16/13	05/16/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Semivolatile Organic Compounds									
Anthracene	MG/KG	100	500	-	0.53	0.75	0.18 J		
Atrazine	MG/KG	-	-	-					
Benzaldehyde	MG/KG	-	-	-	0.84 J	0.54 J	0.50 J		
Benzo(a)anthracene	MG/KG	1	5.6	-	1.6 J	3.1	0.37 J		
Benzo(a)pyrene	MG/KG	1	1	-	1.4 J	2.9 J	0.31 J		
Benzo(b)fluoranthene	MG/KG	1	5.6	-	3.3 J	6.2 J	0.65		
Benzo(g,h,i)perylene	MG/KG	100	500	-	1.0 J	1.8 J	0.17 J		
Benzo(k)fluoranthene	MG/KG	3.9	56	-	0.86 J	2.8 J	0.31 J		
bis(2-Ethylhexyl)phthalate	MG/KG	-	-	-	0.52 J		0.71		
Butylbenzylphthalate	MG/KG	-	-	-					
Carbazole	MG/KG	-	-	-	0.45	0.82	0.26 J		
Chrysene	MG/KG	3.9	56	-	3.3	5.6	0.69		
Dibenz(a,h)anthracene	MG/KG	0.33	0.56	-	0.31 J	0.54 J			
Dibenzofuran	MG/KG	59	350	-	0.68	0.60	0.16 J		
Di-n-octylphthalate	MG/KG	-	-	-					
Fluoranthene	MG/KG	100	500	-	4.9	13 D	1.5		
Fluorene	MG/KG	100	500	-	0.67	0.65	0.21 J		
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	5.6	-	0.89 J	1.7 J	0.14 J		
Isophorone	MG/KG	-	-	-					
Naphthalene	MG/KG	100	500	-	4.9	3.7	0.79		

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-04	SB-04	SB-04	SB-04	SB-04
Sample ID					SB-4 (6-8)	SB-4 (8-10)	SB-4 (10-12)	SB-4 (12-14)	SB-4 (14-16)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					6.0-8.0	8.0-10.0	10.0-12.0	12.0-14.0	14.0-16.0
Date Sampled					05/16/13	05/16/13	05/16/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Semivolatile Organic Compounds									
Phenanthrene	MG/KG	100	500	-	3.7	8.0 D	1.2		
Phenol	MG/KG	100	500	-	0.20 J	0.81	0.18 J		
Pyrene	MG/KG	100	500	-	8.1 D	12 D	1.3		
Pesticide Organic Compounds									
4,4'-DDD	MG/KG	13	92	-	0.30 DJ	0.91 DJ	0.17 D		
4,4'-DDE	MG/KG	8.9	62	-	0.044 J	0.10 D	0.043 J	0.0014 J	
4,4'-DDT	MG/KG	7.9	47	0.007	0.010 NJ	0.045 J	0.012 J		
Aldrin	MG/KG	0.097	0.68	-	0.0072 J	0.68 D	0.022 J		
alpha-BHC	MG/KG	0.48	3.4	-	0.0022 J	0.0038 J	0.0012 J	0.0017 NJ	
alpha-Chlordane	MG/KG	4.2	24	-	0.012 J	0.015 NJ	0.0044 J		
beta-BHC	MG/KG	0.36	3	-					
delta-BHC	MG/KG	100	500	-	0.0016 NJ	0.0070 J			
Dieldrin	MG/KG	0.2	1.4	-	0.79 DJ	1.3 DJ	0.33 D	0.0018 NJ	
Endosulfan I	MG/KG	24	200	-					
Endosulfan II	MG/KG	24	200	-	0.0026 J				
Endosulfan sulfate	MG/KG	24	200	-					
Endrin	MG/KG	11	89	-	0.0059 J	0.019 NJ			
Endrin aldehyde	MG/KG	-	-	-			0.0031 NJ		
Endrin ketone	MG/KG	-	-	-	0.15 DJ	0.050 DNJ	0.044 NJ		
gamma-BHC (Lindane)	MG/KG	1.3	9.2	-					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-04	SB-04	SB-04	SB-04	SB-04
Sample ID					SB-4 (6-8)	SB-4 (8-10)	SB-4 (10-12)	SB-4 (12-14)	SB-4 (14-16)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					6.0-8.0	8.0-10.0	10.0-12.0	12.0-14.0	14.0-16.0
Date Sampled					05/16/13	05/16/13	05/16/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Pesticide Organic Compounds									
gamma-Chlordane	MG/KG	-	-	-		0.026 NJ			
Heptachlor	MG/KG	2.1	15	-		0.0018 J		0.0022 NJ	
Heptachlor epoxide	MG/KG	-	-	-	0.0030 NJ		0.0040 J		
Methoxychlor	MG/KG	-	-	-	0.027 NJ	0.061 J			
Herbicides									
2,4,5-T	MG/KG	-	-	-					
2,4,5-TP (Silvex)	MG/KG	100	500	-					0.0062 J
2,4-D	MG/KG	-	-	-					
2,4-DB	MG/KG	-	-	-					
Dicamba	MG/KG	-	-	-					
Dinoseb	MG/KG	-	-	-				0.0037 NJ	0.0029 J
Picrolam	MG/KG	-	-	-					
Metals									
Aluminum	MG/KG	-	-	20400	3,470	7,510	NA	11,000	12,400
Antimony	MG/KG	-	-	-			NA		
Arsenic	MG/KG	16	16	13.3	1.1 J	5.7	NA	2.5	2.7
Barium	MG/KG	400	400	-	23.5 J	31.4 J	NA	57.5 J	72.8 J
Beryllium	MG/KG	72	590	-	0.11 J	0.27 J	NA	0.36 J	0.46 J
Cadmium	MG/KG	4.3	9.3	-			NA		
Calcium	MG/KG	-	-	34200	716	14,800	NA	4,290	22,700

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-04	SB-04	SB-04	SB-04	SB-04
Sample ID					SB-4 (6-8)	SB-4 (8-10)	SB-4 (10-12)	SB-4 (12-14)	SB-4 (14-16)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					6.0-8.0	8.0-10.0	10.0-12.0	12.0-14.0	14.0-16.0
Date Sampled					05/16/13	05/16/13	05/16/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Metals									
Chromium	MG/KG	180	1500	486	3.3	12.6	NA	16.9	20.2
Cobalt	MG/KG	-	-	-	1.7 J	4.4 J	NA	9.4	11.3
Copper	MG/KG	270	270	-	3.2 J	9.7 J	NA	10.9 J	14.6 J
Iron	MG/KG	-	-	35000	4,540	11,100	NA	22,500	25,300
Lead	MG/KG	400	1000	66.8	13.6 J	58.3 J	NA	0.77 J	1.0 J
Magnesium	MG/KG	-	-	-	793	7,130	NA	3,600	8,140
Manganese	MG/KG	2000	10000	-	28.8	182	NA	184	518
Mercury	MG/KG	0.81	2.8	0.27	0.056	0.11	NA		0.036 J
Nickel	MG/KG	310	310	-		7.4 J	NA	11.8 J	15.4 J
Potassium	MG/KG	-	-	-			NA	1,900 J	2,570 J
Selenium	MG/KG	180	1500	6.4			NA		
Silver	MG/KG	180	1500	3.6			NA		
Sodium	MG/KG	-	-	-			NA	504 J	501 J
Thallium	MG/KG	-	-	-			NA		
Vanadium	MG/KG	-	-	80	5.6 J	15.8	NA	32.1	32.4
Zinc	MG/KG	10000	10000	-	34.5	58.5	NA	55.8	63.7

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-04	SB-04	SB-05	SB-05	SB-05
Sample ID					SB-4 (16-18)	SB-4 (18-20)	SB-5 (2-4)	SB-5 (4-6)	SB-5 (6-8)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					16.0-18.0	18.0-20.0	2.0-4.0	4.0-6.0	6.0-8.0
Date Sampled					05/16/13	05/16/13	05/16/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Volatile Organic Compounds									
4-Methyl-2-pentanone	MG/KG	-	-	-					
Acetone	MG/KG	100	500	0.089	0.012 J	0.011 J			
Carbon disulfide	MG/KG	-	-	-					
Chlorobenzene	MG/KG	100	500	-					
Ethylbenzene	MG/KG	41	390	-					
Methyl ethyl ketone (2-Butanone)	MG/KG	100	500	-					
Methylene chloride	MG/KG	100	500	-					
Toluene	MG/KG	100	500	-					
Vinyl chloride	MG/KG	0.9	13	-					
Xylene (total)	MG/KG	100	500	-					
Semivolatile Organic Compounds									
1,1-Biphenyl	MG/KG	-	-	-					
2,4,5-Trichlorophenol	MG/KG	-	-	-					
2,4-Dichlorophenol	MG/KG	-	-	-					
2-Methylnaphthalene	MG/KG	-	-	-					
2-Methylphenol (o-cresol)	MG/KG	100	500	-					
4-Methylphenol (p-cresol)	MG/KG	100	500	-					
Acenaphthene	MG/KG	100	500	-					
Acenaphthylene	MG/KG	100	500	-					
Acetophenone	MG/KG	-	-	-					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-04	SB-04	SB-05	SB-05	SB-05
Sample ID					SB-4 (16-18)	SB-4 (18-20)	SB-5 (2-4)	SB-5 (4-6)	SB-5 (6-8)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					16.0-18.0	18.0-20.0	2.0-4.0	4.0-6.0	6.0-8.0
Date Sampled					05/16/13	05/16/13	05/16/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Semivolatile Organic Compounds									
Anthracene	MG/KG	100	500	-					
Atrazine	MG/KG	-	-	-					
Benzaldehyde	MG/KG	-	-	-					0.15 J
Benzo(a)anthracene	MG/KG	1	5.6	-					
Benzo(a)pyrene	MG/KG	1	1	-					
Benzo(b)fluoranthene	MG/KG	1	5.6	-					
Benzo(g,h,i)perylene	MG/KG	100	500	-					
Benzo(k)fluoranthene	MG/KG	3.9	56	-					
bis(2-Ethylhexyl)phthalate	MG/KG	-	-	-					
Butylbenzylphthalate	MG/KG	-	-	-					
Carbazole	MG/KG	-	-	-					
Chrysene	MG/KG	3.9	56	-					
Dibenz(a,h)anthracene	MG/KG	0.33	0.56	-					
Dibenzofuran	MG/KG	59	350	-					
Di-n-octylphthalate	MG/KG	-	-	-					
Fluoranthene	MG/KG	100	500	-					
Fluorene	MG/KG	100	500	-					
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	5.6	-					
Isophorone	MG/KG	-	-	-					
Naphthalene	MG/KG	100	500	-					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-04	SB-04	SB-05	SB-05	SB-05
Sample ID					SB-4 (16-18)	SB-4 (18-20)	SB-5 (2-4)	SB-5 (4-6)	SB-5 (6-8)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					16.0-18.0	18.0-20.0	2.0-4.0	4.0-6.0	6.0-8.0
Date Sampled					05/16/13	05/16/13	05/16/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Semivolatile Organic Compounds									
Phenanthrene	MG/KG	100	500	-					
Phenol	MG/KG	100	500	-					
Pyrene	MG/KG	100	500	-					
Pesticide Organic Compounds									
4,4'-DDD	MG/KG	13	92	-				0.0069 J	0.015 J
4,4'-DDE	MG/KG	8.9	62	-				0.0063	0.0041 J
4,4'-DDT	MG/KG	7.9	47	0.007				0.0022	0.0018 NJ
Aldrin	MG/KG	0.097	0.68	-					
alpha-BHC	MG/KG	0.48	3.4	-					
alpha-Chlordane	MG/KG	4.2	24	-					
beta-BHC	MG/KG	0.36	3	-					
delta-BHC	MG/KG	100	500	-					
Dieldrin	MG/KG	0.2	1.4	-					0.030 J
Endosulfan I	MG/KG	24	200	-					
Endosulfan II	MG/KG	24	200	-					
Endosulfan sulfate	MG/KG	24	200	-					
Endrin	MG/KG	11	89	-					
Endrin aldehyde	MG/KG	-	-	-					
Endrin ketone	MG/KG	-	-	-					0.030 NJ
gamma-BHC (Lindane)	MG/KG	1.3	9.2	-					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-04	SB-04	SB-05	SB-05	SB-05
Sample ID					SB-4 (16-18)	SB-4 (18-20)	SB-5 (2-4)	SB-5 (4-6)	SB-5 (6-8)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					16.0-18.0	18.0-20.0	2.0-4.0	4.0-6.0	6.0-8.0
Date Sampled					05/16/13	05/16/13	05/16/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Pesticide Organic Compounds									
gamma-Chlordane	MG/KG	-	-	-					
Heptachlor	MG/KG	2.1	15	-					
Heptachlor epoxide	MG/KG	-	-	-					
Methoxychlor	MG/KG	-	-	-					
Herbicides									
2,4,5-T	MG/KG	-	-	-					
2,4,5-TP (Silvex)	MG/KG	100	500	-					
2,4-D	MG/KG	-	-	-					
2,4-DB	MG/KG	-	-	-					
Dicamba	MG/KG	-	-	-					
Dinoseb	MG/KG	-	-	-					
Picrolam	MG/KG	-	-	-					
Metals									
Aluminum	MG/KG	-	-	20400	8,010	13,600	6,030	5,120	5,650
Antimony	MG/KG	-	-	-					
Arsenic	MG/KG	16	16	13.3	2.9	2.6	1.1	1.1 J	1.3
Barium	MG/KG	400	400	-	44.5 J	180 J	15.5 J	16.9 J	19.5 J
Beryllium	MG/KG	72	590	-	0.22 J	0.48 J	0.16 J	0.15 J	0.12 J
Cadmium	MG/KG	4.3	9.3	-					
Calcium	MG/KG	-	-	34200	16,500	14,200	799	890	1,570

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-04	SB-04	SB-05	SB-05	SB-05
Sample ID					SB-4 (16-18)	SB-4 (18-20)	SB-5 (2-4)	SB-5 (4-6)	SB-5 (6-8)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					16.0-18.0	18.0-20.0	2.0-4.0	4.0-6.0	6.0-8.0
Date Sampled					05/16/13	05/16/13	05/16/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Metals									
Chromium	MG/KG	180	1500	486	13.0	19.6	4.6	4.5	6.7
Cobalt	MG/KG	-	-	-	7.6	11.5	2.5 J	2.4 J	3.3 J
Copper	MG/KG	270	270	-	8.0 J	12.0 J	2.9 J	4.8 J	14.5 J
Iron	MG/KG	-	-	35000	17,800	27,400	6,220	6,110	7,950
Lead	MG/KG	400	1000	66.8			15.6 J	52.1 J	17.1 J
Magnesium	MG/KG	-	-	-	5,820	8,020	913	1,010	1,650
Manganese	MG/KG	2000	10000	-	266	371	105	44.6	69.3
Mercury	MG/KG	0.81	2.8	0.27	0.033 J		0.042	0.051	0.058
Nickel	MG/KG	310	310	-	8.9 J	14.0 J			
Potassium	MG/KG	-	-	-	1,150 J	2,160 J			
Selenium	MG/KG	180	1500	6.4					
Silver	MG/KG	180	1500	3.6					
Sodium	MG/KG	-	-	-	522 J	712			
Thallium	MG/KG	-	-	-					
Vanadium	MG/KG	-	-	80	27.7	35.4	8.9	8.5	12.8
Zinc	MG/KG	10000	10000	-	41.0	77.2	25.6	26.0	46.9

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-05	SB-05	SB-05	SB-05	SB-05
Sample ID					SB-5 (8-10)	SB-5 (10-12)	SB-5 (12-14)	SB-5 (14-16)	SB-5 (16-18)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					8.0-10.0	10.0-12.0	12.0-14.0	14.0-16.0	16.0-18.0
Date Sampled					05/16/13	05/17/13	05/17/13	05/17/13	05/17/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Volatile Organic Compounds									
4-Methyl-2-pentanone	MG/KG	-	-	-	NA	NA	NA		
Acetone	MG/KG	100	500	0.089	NA	NA	NA	0.021 J	0.012 J
Carbon disulfide	MG/KG	-	-	-	NA	NA	NA		
Chlorobenzene	MG/KG	100	500	-	NA	NA	NA		
Ethylbenzene	MG/KG	41	390	-	NA	NA	NA		
Methyl ethyl ketone (2-Butanone)	MG/KG	100	500	-	NA	NA	NA		
Methylene chloride	MG/KG	100	500	-	NA	NA	NA		
Toluene	MG/KG	100	500	-	NA	NA	NA		
Vinyl chloride	MG/KG	0.9	13	-	NA	NA	NA		
Xylene (total)	MG/KG	100	500	-	NA	NA	NA		
Semivolatile Organic Compounds									
1,1-Biphenyl	MG/KG	-	-	-					
2,4,5-Trichlorophenol	MG/KG	-	-	-					
2,4-Dichlorophenol	MG/KG	-	-	-					
2-Methylnaphthalene	MG/KG	-	-	-					
2-Methylphenol (o-cresol)	MG/KG	100	500	-					
4-Methylphenol (p-cresol)	MG/KG	100	500	-					
Acenaphthene	MG/KG	100	500	-					
Acenaphthylene	MG/KG	100	500	-					
Acetophenone	MG/KG	-	-	-					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

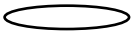
Location ID					SB-05	SB-05	SB-05	SB-05	SB-05
Sample ID					SB-5 (8-10)	SB-5 (10-12)	SB-5 (12-14)	SB-5 (14-16)	SB-5 (16-18)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					8.0-10.0	10.0-12.0	12.0-14.0	14.0-16.0	16.0-18.0
Date Sampled					05/16/13	05/17/13	05/17/13	05/17/13	05/17/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Semivolatile Organic Compounds									
Anthracene	MG/KG	100	500	-					
Atrazine	MG/KG	-	-	-	0.18 J				
Benzaldehyde	MG/KG	-	-	-					
Benzo(a)anthracene	MG/KG	1	5.6	-					
Benzo(a)pyrene	MG/KG	1	1	-					
Benzo(b)fluoranthene	MG/KG	1	5.6	-					
Benzo(g,h,i)perylene	MG/KG	100	500	-					
Benzo(k)fluoranthene	MG/KG	3.9	56	-					
bis(2-Ethylhexyl)phthalate	MG/KG	-	-	-					
Butylbenzylphthalate	MG/KG	-	-	-					
Carbazole	MG/KG	-	-	-	0.15 J	0.18 J			
Chrysene	MG/KG	3.9	56	-					
Dibenz(a,h)anthracene	MG/KG	0.33	0.56	-					
Dibenzofuran	MG/KG	59	350	-					
Di-n-octylphthalate	MG/KG	-	-	-					
Fluoranthene	MG/KG	100	500	-		0.10 J			
Fluorene	MG/KG	100	500	-					
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	5.6	-					
Isophorone	MG/KG	-	-	-					
Naphthalene	MG/KG	100	500	-					

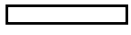
Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

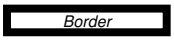
Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.


Concentration Exceeds Criteria 1


Concentration Exceeds Criteria (2)



Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-05	SB-05	SB-05	SB-05	SB-05
Sample ID					SB-5 (8-10)	SB-5 (10-12)	SB-5 (12-14)	SB-5 (14-16)	SB-5 (16-18)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					8.0-10.0	10.0-12.0	12.0-14.0	14.0-16.0	16.0-18.0
Date Sampled					05/16/13	05/17/13	05/17/13	05/17/13	05/17/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Semivolatile Organic Compounds									
Phenanthrene	MG/KG	100	500	-					
Phenol	MG/KG	100	500	-					
Pyrene	MG/KG	100	500	-		0.10 J			
Pesticide Organic Compounds									
4,4'-DDD	MG/KG	13	92	-	0.0033 J	0.041	0.0048	0.0017 NJ	
4,4'-DDE	MG/KG	8.9	62	-		0.010	0.0024		
4,4'-DDT	MG/KG	7.9	47	0.007		0.0030			
Aldrin	MG/KG	0.097	0.68	-		0.27 D	0.097 J	0.0042	
alpha-BHC	MG/KG	0.48	3.4	-					
alpha-Chlordane	MG/KG	4.2	24	-					
beta-BHC	MG/KG	0.36	3	-					
delta-BHC	MG/KG	100	500	-					
Dieldrin	MG/KG	0.2	1.4	-	0.019	0.070 J	0.012		
Endosulfan I	MG/KG	24	200	-		0.0014 NJ			
Endosulfan II	MG/KG	24	200	-					
Endosulfan sulfate	MG/KG	24	200	-					
Endrin	MG/KG	11	89	-					
Endrin aldehyde	MG/KG	-	-	-					
Endrin ketone	MG/KG	-	-	-					
gamma-BHC (Lindane)	MG/KG	1.3	9.2	-					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-05	SB-05	SB-05	SB-05	SB-05
Sample ID					SB-5 (8-10)	SB-5 (10-12)	SB-5 (12-14)	SB-5 (14-16)	SB-5 (16-18)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					8.0-10.0	10.0-12.0	12.0-14.0	14.0-16.0	16.0-18.0
Date Sampled					05/16/13	05/17/13	05/17/13	05/17/13	05/17/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Pesticide Organic Compounds									
gamma-Chlordane	MG/KG	-	-	-					
Heptachlor	MG/KG	2.1	15	-					
Heptachlor epoxide	MG/KG	-	-	-		0.0022 J			
Methoxychlor	MG/KG	-	-	-					
Herbicides									
2,4,5-T	MG/KG	-	-	-					
2,4,5-TP (Silvex)	MG/KG	100	500	-				0.0074	
2,4-D	MG/KG	-	-	-					
2,4-DB	MG/KG	-	-	-	0.023				
Dicamba	MG/KG	-	-	-					
Dinoseb	MG/KG	-	-	-					
Picrolam	MG/KG	-	-	-					
Metals									
Aluminum	MG/KG	-	-	20400	NA	NA	NA	9,870	10,200
Antimony	MG/KG	-	-	-	NA	NA	NA		
Arsenic	MG/KG	16	16	13.3	NA	NA	NA	3.8	2.0
Barium	MG/KG	400	400	-	NA	NA	NA	54.4	59.0
Beryllium	MG/KG	72	590	-	NA	NA	NA		
Cadmium	MG/KG	4.3	9.3	-	NA	NA	NA		
Calcium	MG/KG	-	-	34200	NA	NA	NA	13,300	21,200

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-05	SB-05	SB-05	SB-05	SB-05
Sample ID					SB-5 (8-10)	SB-5 (10-12)	SB-5 (12-14)	SB-5 (14-16)	SB-5 (16-18)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					8.0-10.0	10.0-12.0	12.0-14.0	14.0-16.0	16.0-18.0
Date Sampled					05/16/13	05/17/13	05/17/13	05/17/13	05/17/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Metals									
Chromium	MG/KG	180	1500	486	NA	NA	NA	17.3	20.9
Cobalt	MG/KG	-	-	-	NA	NA	NA	9.4	8.4
Copper	MG/KG	270	270	-	NA	NA	NA	7.2	7.9
Iron	MG/KG	-	-	35000	NA	NA	NA	21,400	19,300
Lead	MG/KG	400	1000	66.8	NA	NA	NA	0.23 J+	3.2 J+
Magnesium	MG/KG	-	-	-	NA	NA	NA	5,240	5,300
Manganese	MG/KG	2000	10000	-	NA	NA	NA	316	319
Mercury	MG/KG	0.81	2.8	0.27	NA	NA	NA		
Nickel	MG/KG	310	310	-	NA	NA	NA	9.9	9.6
Potassium	MG/KG	-	-	-	NA	NA	NA	2,180	2,130
Selenium	MG/KG	180	1500	6.4	NA	NA	NA		
Silver	MG/KG	180	1500	3.6	NA	NA	NA		
Sodium	MG/KG	-	-	-	NA	NA	NA	768	730
Thallium	MG/KG	-	-	-	NA	NA	NA		
Vanadium	MG/KG	-	-	80	NA	NA	NA	33.9	35.3
Zinc	MG/KG	10000	10000	-	NA	NA	NA	50.5	57.0

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-05	SB-06	SB-06	SB-06	SB-06
Sample ID					SB-5 (18-20)	SB-6 (2-4)	SB-6 (4-6)	SB-6 (6-8)	SB-6 (8-10)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					18.0-20.0	2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0
Date Sampled					05/17/13	05/17/13	05/17/13	05/17/13	05/17/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Volatile Organic Compounds									
4-Methyl-2-pentanone	MG/KG	-	-	-					
Acetone	MG/KG	100	500	0.089	0.011 J			0.023 J	0.028 J
Carbon disulfide	MG/KG	-	-	-					
Chlorobenzene	MG/KG	100	500	-					
Ethylbenzene	MG/KG	41	390	-					
Methyl ethyl ketone (2-Butanone)	MG/KG	100	500	-					
Methylene chloride	MG/KG	100	500	-					
Toluene	MG/KG	100	500	-	0.0010 J				
Vinyl chloride	MG/KG	0.9	13	-					
Xylene (total)	MG/KG	100	500	-					
Semivolatile Organic Compounds									
1,1-Biphenyl	MG/KG	-	-	-					
2,4,5-Trichlorophenol	MG/KG	-	-	-					
2,4-Dichlorophenol	MG/KG	-	-	-					
2-Methylnaphthalene	MG/KG	-	-	-					0.19 J
2-Methylphenol (o-cresol)	MG/KG	100	500	-					
4-Methylphenol (p-cresol)	MG/KG	100	500	-				0.080 J	
Acenaphthene	MG/KG	100	500	-					0.28 J
Acenaphthylene	MG/KG	100	500	-					
Acetophenone	MG/KG	-	-	-					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-05	SB-06	SB-06	SB-06	SB-06
Sample ID					SB-5 (18-20)	SB-6 (2-4)	SB-6 (4-6)	SB-6 (6-8)	SB-6 (8-10)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					18.0-20.0	2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0
Date Sampled					05/17/13	05/17/13	05/17/13	05/17/13	05/17/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Semivolatile Organic Compounds									
Anthracene	MG/KG	100	500	-					0.32 J
Atrazine	MG/KG	-	-	-					0.30 J
Benzaldehyde	MG/KG	-	-	-					
Benzo(a)anthracene	MG/KG	1	5.6	-					1.0
Benzo(a)pyrene	MG/KG	1	1	-					0.77
Benzo(b)fluoranthene	MG/KG	1	5.6	-					1.1
Benzo(g,h,i)perylene	MG/KG	100	500	-					0.38 J
Benzo(k)fluoranthene	MG/KG	3.9	56	-					0.26 J
bis(2-Ethylhexyl)phthalate	MG/KG	-	-	-					
Butylbenzylphthalate	MG/KG	-	-	-					
Carbazole	MG/KG	-	-	-					0.33 J
Chrysene	MG/KG	3.9	56	-					1.2
Dibenz(a,h)anthracene	MG/KG	0.33	0.56	-					0.12 J
Dibenzofuran	MG/KG	59	350	-					0.21 J
Di-n-octylphthalate	MG/KG	-	-	-					
Fluoranthene	MG/KG	100	500	-					2.7
Fluorene	MG/KG	100	500	-					0.21 J
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	5.6	-					0.30 J
Isophorone	MG/KG	-	-	-					
Naphthalene	MG/KG	100	500	-					0.58

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-05	SB-06	SB-06	SB-06	SB-06
Sample ID					SB-5 (18-20)	SB-6 (2-4)	SB-6 (4-6)	SB-6 (6-8)	SB-6 (8-10)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					18.0-20.0	2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0
Date Sampled					05/17/13	05/17/13	05/17/13	05/17/13	05/17/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Semivolatile Organic Compounds									
Phenanthrene	MG/KG	100	500	-					2.2
Phenol	MG/KG	100	500	-					
Pyrene	MG/KG	100	500	-					2.1
Pesticide Organic Compounds									
4,4'-DDD	MG/KG	13	92	-	0.0011 J		0.0031 J	0.0068	
4,4'-DDE	MG/KG	8.9	62	-		0.0010 J	0.0020 J	0.0070	
4,4'-DDT	MG/KG	7.9	47	0.007		0.0025	0.0025	0.0018 J	
Aldrin	MG/KG	0.097	0.68	-	0.0036				
alpha-BHC	MG/KG	0.48	3.4	-					
alpha-Chlordane	MG/KG	4.2	24	-					
beta-BHC	MG/KG	0.36	3	-					
delta-BHC	MG/KG	100	500	-					
Dieldrin	MG/KG	0.2	1.4	-			0.0025 NJ	0.0037 J	
Endosulfan I	MG/KG	24	200	-					
Endosulfan II	MG/KG	24	200	-					
Endosulfan sulfate	MG/KG	24	200	-					
Endrin	MG/KG	11	89	-					
Endrin aldehyde	MG/KG	-	-	-					
Endrin ketone	MG/KG	-	-	-					
gamma-BHC (Lindane)	MG/KG	1.3	9.2	-					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-05	SB-06	SB-06	SB-06	SB-06
Sample ID					SB-5 (18-20)	SB-6 (2-4)	SB-6 (4-6)	SB-6 (6-8)	SB-6 (8-10)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					18.0-20.0	2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0
Date Sampled					05/17/13	05/17/13	05/17/13	05/17/13	05/17/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Pesticide Organic Compounds									
gamma-Chlordane	MG/KG	-	-	-					
Heptachlor	MG/KG	2.1	15	-					
Heptachlor epoxide	MG/KG	-	-	-					
Methoxychlor	MG/KG	-	-	-					
Herbicides									
2,4,5-T	MG/KG	-	-	-					
2,4,5-TP (Silvex)	MG/KG	100	500	-					0.08
2,4-D	MG/KG	-	-	-					
2,4-DB	MG/KG	-	-	-				0.019 NJ	
Dicamba	MG/KG	-	-	-					
Dinoseb	MG/KG	-	-	-					
Picrolam	MG/KG	-	-	-					
Metals									
Aluminum	MG/KG	-	-	20400	6,650	4,710	5,710	5,300	899
Antimony	MG/KG	-	-	-	0.24 J		0.16 J		
Arsenic	MG/KG	16	16	13.3	4.2	1.0 J	0.88 J	0.94 J	2.0
Barium	MG/KG	400	400	-	62.1	14.1 J	22.4	18.9 J	26.4
Beryllium	MG/KG	72	590	-					
Cadmium	MG/KG	4.3	9.3	-					
Calcium	MG/KG	-	-	34200	35,200	2,240	1,100	925	1,470

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-05	SB-06	SB-06	SB-06	SB-06
Sample ID					SB-5 (18-20)	SB-6 (2-4)	SB-6 (4-6)	SB-6 (6-8)	SB-6 (8-10)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					18.0-20.0	2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0
Date Sampled					05/17/13	05/17/13	05/17/13	05/17/13	05/17/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Metals									
Chromium	MG/KG	180	1500	486	15.4	6.3	6.3	5.5	1.6
Cobalt	MG/KG	-	-	-	8.1	3.5 J	3.1 J	2.3 J	0.77 J
Copper	MG/KG	270	270	-	16.0		11.3	3.2	6.1
Iron	MG/KG	-	-	35000	18,600	8,510	7,760	7,060	2,720
Lead	MG/KG	400	1000	66.8	8.4 J+	1.3 J+	26.3 J+	28.5 J+	13.4 J+
Magnesium	MG/KG	-	-	-	8,540	1,190	1,050	1,040	139 J
Manganese	MG/KG	2000	10000	-	304	88.7	72.3	37.4	14.3
Mercury	MG/KG	0.81	2.8	0.27			0.032 J		0.036 J
Nickel	MG/KG	310	310	-	15.0				
Potassium	MG/KG	-	-	-	1,500				
Selenium	MG/KG	180	1500	6.4					0.77 J
Silver	MG/KG	180	1500	3.6					
Sodium	MG/KG	-	-	-	277 J				
Thallium	MG/KG	-	-	-					
Vanadium	MG/KG	-	-	80	21.0	13.7	11.6	10.6	1.6 J
Zinc	MG/KG	10000	10000	-	58.9	16.8	44.6	49.2	4.1

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-06	SB-06	SB-06	SB-06	SB-06
Sample ID					SB-6 (10-12)	SB-6 (12-14)	SB-6 (14-16)	SB-6 (16-18)	SB-6 (18-20)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					10.0-12.0	12.0-14.0	14.0-16.0	16.0-18.0	18.0-20.0
Date Sampled					05/17/13	05/17/13	05/17/13	05/17/13	05/17/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Volatile Organic Compounds									
4-Methyl-2-pentanone	MG/KG	-	-	-					
Acetone	MG/KG	100	500	0.089	0.051 J	0.031 J	0.010 J	0.011 J	
Carbon disulfide	MG/KG	-	-	-					
Chlorobenzene	MG/KG	100	500	-					
Ethylbenzene	MG/KG	41	390	-					
Methyl ethyl ketone (2-Butanone)	MG/KG	100	500	-	0.011 J	0.012 J			
Methylene chloride	MG/KG	100	500	-					0.0020 J
Toluene	MG/KG	100	500	-					
Vinyl chloride	MG/KG	0.9	13	-					
Xylene (total)	MG/KG	100	500	-					
Semivolatile Organic Compounds									
1,1-Biphenyl	MG/KG	-	-	-					
2,4,5-Trichlorophenol	MG/KG	-	-	-					
2,4-Dichlorophenol	MG/KG	-	-	-					
2-Methylnaphthalene	MG/KG	-	-	-					
2-Methylphenol (o-cresol)	MG/KG	100	500	-					
4-Methylphenol (p-cresol)	MG/KG	100	500	-					
Acenaphthene	MG/KG	100	500	-					
Acenaphthylene	MG/KG	100	500	-					
Acetophenone	MG/KG	-	-	-					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

[MATRIX] = 'SO' AND ([LOCID] = 'MW-02' OR [LOCID] = 'MW-03' OR [LOCID] = 'MW-08' OR [LOCID] = 'MW-09' OR [LOCID] LIKE 'SB-*' OR [LOCID] = 'SS-03' OR [LOCID] = 'SS-04' OR [LOCID] = 'SS-05') AND NOT ([SED] = '0.167' OR [SED] = '0.5' OR [SED] = '1.5' OR [SED] = '2')

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-06	SB-06	SB-06	SB-06	SB-06
Sample ID					SB-6 (10-12)	SB-6 (12-14)	SB-6 (14-16)	SB-6 (16-18)	SB-6 (18-20)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					10.0-12.0	12.0-14.0	14.0-16.0	16.0-18.0	18.0-20.0
Date Sampled					05/17/13	05/17/13	05/17/13	05/17/13	05/17/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Semivolatile Organic Compounds									
Anthracene	MG/KG	100	500	-					
Atrazine	MG/KG	-	-	-					
Benzaldehyde	MG/KG	-	-	-					
Benzo(a)anthracene	MG/KG	1	5.6	-					
Benzo(a)pyrene	MG/KG	1	1	-					
Benzo(b)fluoranthene	MG/KG	1	5.6	-					
Benzo(g,h,i)perylene	MG/KG	100	500	-					
Benzo(k)fluoranthene	MG/KG	3.9	56	-					
bis(2-Ethylhexyl)phthalate	MG/KG	-	-	-					
Butylbenzylphthalate	MG/KG	-	-	-					
Carbazole	MG/KG	-	-	-					
Chrysene	MG/KG	3.9	56	-					
Dibenz(a,h)anthracene	MG/KG	0.33	0.56	-					
Dibenzofuran	MG/KG	59	350	-					
Di-n-octylphthalate	MG/KG	-	-	-					
Fluoranthene	MG/KG	100	500	-					
Fluorene	MG/KG	100	500	-					
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	5.6	-					
Isophorone	MG/KG	-	-	-					
Naphthalene	MG/KG	100	500	-					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-06	SB-06	SB-06	SB-06	SB-06
Sample ID					SB-6 (10-12)	SB-6 (12-14)	SB-6 (14-16)	SB-6 (16-18)	SB-6 (18-20)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					10.0-12.0	12.0-14.0	14.0-16.0	16.0-18.0	18.0-20.0
Date Sampled					05/17/13	05/17/13	05/17/13	05/17/13	05/17/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Semivolatile Organic Compounds									
Phenanthrene	MG/KG	100	500	-					
Phenol	MG/KG	100	500	-					
Pyrene	MG/KG	100	500	-					
Pesticide Organic Compounds									
4,4'-DDD	MG/KG	13	92	-					
4,4'-DDE	MG/KG	8.9	62	-					
4,4'-DDT	MG/KG	7.9	47	0.007					
Aldrin	MG/KG	0.097	0.68	-					
alpha-BHC	MG/KG	0.48	3.4	-					
alpha-Chlordane	MG/KG	4.2	24	-					
beta-BHC	MG/KG	0.36	3	-					
delta-BHC	MG/KG	100	500	-					
Dieldrin	MG/KG	0.2	1.4	-					
Endosulfan I	MG/KG	24	200	-					
Endosulfan II	MG/KG	24	200	-					
Endosulfan sulfate	MG/KG	24	200	-					
Endrin	MG/KG	11	89	-					
Endrin aldehyde	MG/KG	-	-	-					
Endrin ketone	MG/KG	-	-	-					
gamma-BHC (Lindane)	MG/KG	1.3	9.2	-					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-06	SB-06	SB-06	SB-06	SB-06
Sample ID					SB-6 (10-12)	SB-6 (12-14)	SB-6 (14-16)	SB-6 (16-18)	SB-6 (18-20)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					10.0-12.0	12.0-14.0	14.0-16.0	16.0-18.0	18.0-20.0
Date Sampled					05/17/13	05/17/13	05/17/13	05/17/13	05/17/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Pesticide Organic Compounds									
gamma-Chlordane	MG/KG	-	-	-					
Heptachlor	MG/KG	2.1	15	-					
Heptachlor epoxide	MG/KG	-	-	-					
Methoxychlor	MG/KG	-	-	-					
Herbicides									
2,4,5-T	MG/KG	-	-	-					
2,4,5-TP (Silvex)	MG/KG	100	500	-					
2,4-D	MG/KG	-	-	-					
2,4-DB	MG/KG	-	-	-					
Dicamba	MG/KG	-	-	-					
Dinoseb	MG/KG	-	-	-					
Picrolam	MG/KG	-	-	-					
Metals									
Aluminum	MG/KG	-	-	20400	17,200	7,840	10,900	8,310	4,650
Antimony	MG/KG	-	-	-		0.91 J			0.66 J
Arsenic	MG/KG	16	16	13.3	3.0	7.4	2.4	2.0	5.7
Barium	MG/KG	400	400	-	105	39.5	100	93.3	61.8
Beryllium	MG/KG	72	590	-	0.94	0.64			
Cadmium	MG/KG	4.3	9.3	-					
Calcium	MG/KG	-	-	34200	3,190	2,240	9,660	16,700	44,700

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

Advanced Selection: Site Subsurface
J:\Projects\11176892\DB\EDMS.mde
Printed: 12/18/2014 11:04:50 AM

[MATRIX] = 'SO' AND ([LOCID] = 'MW-02' OR [LOCID] = 'MW-03' OR [LOCID] = 'MW-08' OR [LOCID] = 'MW-09' OR [LOCID] LIKE 'SB-*' OR [LOCID] = 'SS-03' OR [LOCID] = 'SS-04' OR [LOCID] = 'SS-05') AND NOT ([SED] = '0.167' OR [SED] = '0.5' OR [SED] = '1.5' OR [SED] = '2')

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-06	SB-06	SB-06	SB-06	SB-06
Sample ID					SB-6 (10-12)	SB-6 (12-14)	SB-6 (14-16)	SB-6 (16-18)	SB-6 (18-20)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					10.0-12.0	12.0-14.0	14.0-16.0	16.0-18.0	18.0-20.0
Date Sampled					05/17/13	05/17/13	05/17/13	05/17/13	05/17/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Metals									
Chromium	MG/KG	180	1500	486	25.3	22.2	19.0	15.2	12.4
Cobalt	MG/KG	-	-	-	12.7	10.5	11.3	8.1	8.3
Copper	MG/KG	270	270	-	20.7	31.2	10.1	7.1	17.0
Iron	MG/KG	-	-	35000	22,800	29,300	22,800	19,500	16,800
Lead	MG/KG	400	1000	66.8	3.9 J+	5.8 J+	0.31 J+		4.1 J+
Magnesium	MG/KG	-	-	-	3,090	3,000	6,450	5,750	10,500
Manganese	MG/KG	2000	10000	-	175	121	271	269	317
Mercury	MG/KG	0.81	2.8	0.27	0.027 J	0.023 J			
Nickel	MG/KG	310	310	-	23.2	19.1	13.5	9.2	17.5
Potassium	MG/KG	-	-	-	1,510	1,430	1,590	1,260	1,140
Selenium	MG/KG	180	1500	6.4					
Silver	MG/KG	180	1500	3.6					
Sodium	MG/KG	-	-	-	178 J		564 J	537 J	
Thallium	MG/KG	-	-	-					
Vanadium	MG/KG	-	-	80	33.0	36.3	35.2	30.8	14.5
Zinc	MG/KG	10000	10000	-	76.2	86.5	51.6	40.8	42.7

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-07	SB-07	SB-07	SB-07	SB-07
Sample ID					SB-7 (2-4)	SB-7 (4-6)	SB-7 (6-8)	SB-7 (8-10)	SB-7 (10-12)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0	10.0-12.0
Date Sampled					05/22/13	05/22/13	05/22/13	05/22/13	05/22/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Volatile Organic Compounds									
4-Methyl-2-pentanone	MG/KG	-	-	-			NA	NA	NA
Acetone	MG/KG	100	500	0.089			NA	NA	NA
Carbon disulfide	MG/KG	-	-	-			NA	NA	NA
Chlorobenzene	MG/KG	100	500	-			NA	NA	NA
Ethylbenzene	MG/KG	41	390	-			NA	NA	NA
Methyl ethyl ketone (2-Butanone)	MG/KG	100	500	-			NA	NA	NA
Methylene chloride	MG/KG	100	500	-			NA	NA	NA
Toluene	MG/KG	100	500	-			NA	NA	NA
Vinyl chloride	MG/KG	0.9	13	-			NA	NA	NA
Xylene (total)	MG/KG	100	500	-			NA	NA	NA
Semivolatile Organic Compounds									
1,1-Biphenyl	MG/KG	-	-	-					
2,4,5-Trichlorophenol	MG/KG	-	-	-					
2,4-Dichlorophenol	MG/KG	-	-	-					
2-Methylnaphthalene	MG/KG	-	-	-			0.58	0.15 J	0.086 J
2-Methylphenol (o-cresol)	MG/KG	100	500	-					
4-Methylphenol (p-cresol)	MG/KG	100	500	-					
Acenaphthene	MG/KG	100	500	-					
Acenaphthylene	MG/KG	100	500	-					
Acetophenone	MG/KG	-	-	-					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-07	SB-07	SB-07	SB-07	SB-07
Sample ID					SB-7 (2-4)	SB-7 (4-6)	SB-7 (6-8)	SB-7 (8-10)	SB-7 (10-12)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0	10.0-12.0
Date Sampled					05/22/13	05/22/13	05/22/13	05/22/13	05/22/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Semivolatile Organic Compounds									
Anthracene	MG/KG	100	500	-			0.078 J		
Atrazine	MG/KG	-	-	-					
Benzaldehyde	MG/KG	-	-	-					
Benzo(a)anthracene	MG/KG	1	5.6	-			0.13 J		
Benzo(a)pyrene	MG/KG	1	1	-			0.17 J		
Benzo(b)fluoranthene	MG/KG	1	5.6	-			0.29 J	0.091 J	
Benzo(g,h,i)perylene	MG/KG	100	500	-			0.079 J		
Benzo(k)fluoranthene	MG/KG	3.9	56	-			0.10 J		
bis(2-Ethylhexyl)phthalate	MG/KG	-	-	-			0.077 J	0.27 J	
Butylbenzylphthalate	MG/KG	-	-	-					
Carbazole	MG/KG	-	-	-		0.14 J	0.17 J	0.17 J	0.15 J
Chrysene	MG/KG	3.9	56	-			0.20 J		
Dibenz(a,h)anthracene	MG/KG	0.33	0.56	-					
Dibenzofuran	MG/KG	59	350	-			0.12 J		
Di-n-octylphthalate	MG/KG	-	-	-					
Fluoranthene	MG/KG	100	500	-		0.12 J	0.36	0.14 J	0.095 J
Fluorene	MG/KG	100	500	-			0.080 J		
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	5.6	-			0.086 J		
Isophorone	MG/KG	-	-	-					
Naphthalene	MG/KG	100	500	-			0.45	0.16 J	0.083 J

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

[MATRIX] = 'SO' AND ([LOCID] = 'MW-02' OR [LOCID] = 'MW-03' OR [LOCID] = 'MW-08' OR [LOCID] = 'MW-09' OR [LOCID] LIKE 'SB-*' OR [LOCID] = 'SS-03' OR [LOCID] = 'SS-04' OR [LOCID] = 'SS-05') AND NOT ([SED] = '0.167' OR [SED] = '0.5' OR [SED] = '1.5' OR [SED] = '2')

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-07	SB-07	SB-07	SB-07	SB-07
Sample ID					SB-7 (2-4)	SB-7 (4-6)	SB-7 (6-8)	SB-7 (8-10)	SB-7 (10-12)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0	10.0-12.0
Date Sampled					05/22/13	05/22/13	05/22/13	05/22/13	05/22/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Semivolatile Organic Compounds									
Phenanthrene	MG/KG	100	500	-		0.089 J	0.42	0.11 J	0.079 J
Phenol	MG/KG	100	500	-					
Pyrene	MG/KG	100	500	-		0.085 J	0.30 J	0.12 J	0.081 J
Pesticide Organic Compounds									
4,4'-DDD	MG/KG	13	92	-		0.0027 NJ	0.19 D	0.037	0.030
4,4'-DDE	MG/KG	8.9	62	-	0.0023	0.0084	0.086 DJ	0.012 J	
4,4'-DDT	MG/KG	7.9	47	0.007	0.0047	0.0051 J	0.0034 NJ	0.0035	0.0025 J
Aldrin	MG/KG	0.097	0.68	-			0.12 D	0.0089	0.0034
alpha-BHC	MG/KG	0.48	3.4	-					
alpha-Chlordane	MG/KG	4.2	24	-			0.0059		
beta-BHC	MG/KG	0.36	3	-				0.0012 J	
delta-BHC	MG/KG	100	500	-					
Dieldrin	MG/KG	0.2	1.4	-		0.0072 J	0.67 D	0.17 D	0.036
Endosulfan I	MG/KG	24	200	-			0.0010 J		
Endosulfan II	MG/KG	24	200	-					
Endosulfan sulfate	MG/KG	24	200	-			0.0047 J		
Endrin	MG/KG	11	89	-			0.0069 NJ		
Endrin aldehyde	MG/KG	-	-	-					
Endrin ketone	MG/KG	-	-	-			0.0063 NJ		
gamma-BHC (Lindane)	MG/KG	1.3	9.2	-			0.0023 J		

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-07	SB-07	SB-07	SB-07	SB-07
Sample ID					SB-7 (2-4)	SB-7 (4-6)	SB-7 (6-8)	SB-7 (8-10)	SB-7 (10-12)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0	10.0-12.0
Date Sampled					05/22/13	05/22/13	05/22/13	05/22/13	05/22/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Pesticide Organic Compounds									
gamma-Chlordane	MG/KG	-	-	-					
Heptachlor	MG/KG	2.1	15	-					
Heptachlor epoxide	MG/KG	-	-	-			0.0030 NJ		
Methoxychlor	MG/KG	-	-	-					
Herbicides									
2,4,5-T	MG/KG	-	-	-					
2,4,5-TP (Silvex)	MG/KG	100	500	-					
2,4-D	MG/KG	-	-	-					
2,4-DB	MG/KG	-	-	-					
Dicamba	MG/KG	-	-	-					
Dinoseb	MG/KG	-	-	-					
Picrolam	MG/KG	-	-	-					
Metals									
Aluminum	MG/KG	-	-	20400	NA	5,160	NA	NA	NA
Antimony	MG/KG	-	-	-	NA		NA	NA	NA
Arsenic	MG/KG	16	16	13.3	NA	1.0 J	NA	NA	NA
Barium	MG/KG	400	400	-	NA	17.0 J	NA	NA	NA
Beryllium	MG/KG	72	590	-	NA		NA	NA	NA
Cadmium	MG/KG	4.3	9.3	-	NA		NA	NA	NA
Calcium	MG/KG	-	-	34200	NA	1,230	NA	NA	NA

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-07	SB-07	SB-07	SB-07	SB-07
Sample ID					SB-7 (2-4)	SB-7 (4-6)	SB-7 (6-8)	SB-7 (8-10)	SB-7 (10-12)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0	10.0-12.0
Date Sampled					05/22/13	05/22/13	05/22/13	05/22/13	05/22/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Metals									
Chromium	MG/KG	180	1500	486	NA	6.7	NA	NA	NA
Cobalt	MG/KG	-	-	-	NA	3.3 J	NA	NA	NA
Copper	MG/KG	270	270	-	NA	5.1	NA	NA	NA
Iron	MG/KG	-	-	35000	NA	8,480	NA	NA	NA
Lead	MG/KG	400	1000	66.8	NA	15.2 J+	NA	NA	NA
Magnesium	MG/KG	-	-	-	NA	1,510	NA	NA	NA
Manganese	MG/KG	2000	10000	-	NA	95.1	NA	NA	NA
Mercury	MG/KG	0.81	2.8	0.27	NA		NA	NA	NA
Nickel	MG/KG	310	310	-	NA	4.5	NA	NA	NA
Potassium	MG/KG	-	-	-	NA		NA	NA	NA
Selenium	MG/KG	180	1500	6.4	NA		NA	NA	NA
Silver	MG/KG	180	1500	3.6	NA		NA	NA	NA
Sodium	MG/KG	-	-	-	NA		NA	NA	NA
Thallium	MG/KG	-	-	-	NA		NA	NA	NA
Vanadium	MG/KG	-	-	80	NA	11.6	NA	NA	NA
Zinc	MG/KG	10000	10000	-	NA	37.6	NA	NA	NA

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

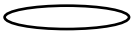
Location ID					SB-07	SB-07	SB-07	SB-07
Sample ID					SB-7 (12-14)	SB-7 (14-16)	SB-7 (16-18)	SB-7 (18-20)
Matrix					Soil	Soil	Soil	Soil
Depth Interval (ft)					12.0-14.0	14.0-16.0	16.0-18.0	18.0-20.0
Date Sampled					05/22/13	05/22/13	05/22/13	05/22/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**				
Volatile Organic Compounds								
4-Methyl-2-pentanone	MG/KG	-	-	-		NA		
Acetone	MG/KG	100	500	0.089	0.036	NA	0.014	0.017
Carbon disulfide	MG/KG	-	-	-		NA		
Chlorobenzene	MG/KG	100	500	-		NA		
Ethylbenzene	MG/KG	41	390	-		NA		
Methyl ethyl ketone (2-Butanone)	MG/KG	100	500	-	0.010 J	NA	0.0060 J	
Methylene chloride	MG/KG	100	500	-		NA		
Toluene	MG/KG	100	500	-		NA		
Vinyl chloride	MG/KG	0.9	13	-		NA		
Xylene (total)	MG/KG	100	500	-	0.0020 J	NA		
Semivolatile Organic Compounds								
1,1-Biphenyl	MG/KG	-	-	-				
2,4,5-Trichlorophenol	MG/KG	-	-	-				
2,4-Dichlorophenol	MG/KG	-	-	-				
2-Methylnaphthalene	MG/KG	-	-	-				
2-Methylphenol (o-cresol)	MG/KG	100	500	-				
4-Methylphenol (p-cresol)	MG/KG	100	500	-				
Acenaphthene	MG/KG	100	500	-				
Acenaphthylene	MG/KG	100	500	-				
Acetophenone	MG/KG	-	-	-				

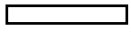
Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

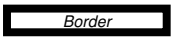
Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.


Concentration Exceeds Criteria 1


Concentration Exceeds Criteria (2)



Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-07	SB-07	SB-07	SB-07
Sample ID					SB-7 (12-14)	SB-7 (14-16)	SB-7 (16-18)	SB-7 (18-20)
Matrix					Soil	Soil	Soil	Soil
Depth Interval (ft)					12.0-14.0	14.0-16.0	16.0-18.0	18.0-20.0
Date Sampled					05/22/13	05/22/13	05/22/13	05/22/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**				
Semivolatile Organic Compounds								
Anthracene	MG/KG	100	500	-				
Atrazine	MG/KG	-	-	-				
Benzaldehyde	MG/KG	-	-	-				
Benzo(a)anthracene	MG/KG	1	5.6	-				
Benzo(a)pyrene	MG/KG	1	1	-				
Benzo(b)fluoranthene	MG/KG	1	5.6	-				
Benzo(g,h,i)perylene	MG/KG	100	500	-				
Benzo(k)fluoranthene	MG/KG	3.9	56	-				
bis(2-Ethylhexyl)phthalate	MG/KG	-	-	-				
Butylbenzylphthalate	MG/KG	-	-	-				
Carbazole	MG/KG	-	-	-				
Chrysene	MG/KG	3.9	56	-				
Dibenz(a,h)anthracene	MG/KG	0.33	0.56	-				
Dibenzofuran	MG/KG	59	350	-				
Di-n-octylphthalate	MG/KG	-	-	-				
Fluoranthene	MG/KG	100	500	-				
Fluorene	MG/KG	100	500	-				
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	5.6	-				
Isophorone	MG/KG	-	-	-				
Naphthalene	MG/KG	100	500	-				

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-07	SB-07	SB-07	SB-07
Sample ID					SB-7 (12-14)	SB-7 (14-16)	SB-7 (16-18)	SB-7 (18-20)
Matrix					Soil	Soil	Soil	Soil
Depth Interval (ft)					12.0-14.0	14.0-16.0	16.0-18.0	18.0-20.0
Date Sampled					05/22/13	05/22/13	05/22/13	05/22/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**				
Semivolatile Organic Compounds								
Phenanthrene	MG/KG	100	500	-				
Phenol	MG/KG	100	500	-				
Pyrene	MG/KG	100	500	-				
Pesticide Organic Compounds								
4,4'-DDD	MG/KG	13	92	-		0.0012 J		
4,4'-DDE	MG/KG	8.9	62	-				
4,4'-DDT	MG/KG	7.9	47	0.007				
Aldrin	MG/KG	0.097	0.68	-	0.0024 J			
alpha-BHC	MG/KG	0.48	3.4	-				
alpha-Chlordane	MG/KG	4.2	24	-				
beta-BHC	MG/KG	0.36	3	-		0.0019 NJ		
delta-BHC	MG/KG	100	500	-				
Dieldrin	MG/KG	0.2	1.4	-	0.011	0.0026 J		
Endosulfan I	MG/KG	24	200	-				
Endosulfan II	MG/KG	24	200	-				
Endosulfan sulfate	MG/KG	24	200	-				
Endrin	MG/KG	11	89	-				
Endrin aldehyde	MG/KG	-	-	-				
Endrin ketone	MG/KG	-	-	-				
gamma-BHC (Lindane)	MG/KG	1.3	9.2	-				

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-07	SB-07	SB-07	SB-07
Sample ID					SB-7 (12-14)	SB-7 (14-16)	SB-7 (16-18)	SB-7 (18-20)
Matrix					Soil	Soil	Soil	Soil
Depth Interval (ft)					12.0-14.0	14.0-16.0	16.0-18.0	18.0-20.0
Date Sampled					05/22/13	05/22/13	05/22/13	05/22/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**				
Pesticide Organic Compounds								
gamma-Chlordane	MG/KG	-	-	-				
Heptachlor	MG/KG	2.1	15	-				
Heptachlor epoxide	MG/KG	-	-	-				
Methoxychlor	MG/KG	-	-	-				
Herbicides								
2,4,5-T	MG/KG	-	-	-				
2,4,5-TP (Silvex)	MG/KG	100	500	-				
2,4-D	MG/KG	-	-	-				
2,4-DB	MG/KG	-	-	-				
Dicamba	MG/KG	-	-	-				
Dinoseb	MG/KG	-	-	-				
Picrolam	MG/KG	-	-	-				
Metals								
Aluminum	MG/KG	-	-	20400	11,100	NA	9,130	8,300
Antimony	MG/KG	-	-	-		NA		
Arsenic	MG/KG	16	16	13.3	3.7	NA	1.5	2.8
Barium	MG/KG	400	400	-	65.1	NA	45.6	85.3
Beryllium	MG/KG	72	590	-	0.47 J	NA	0.42 J	0.40 J
Cadmium	MG/KG	4.3	9.3	-		NA		
Calcium	MG/KG	-	-	34200	4,200	NA	16,300	20,500

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-13
SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE, COMMERCIAL USE AND SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					SB-07	SB-07	SB-07	SB-07
Sample ID					SB-7 (12-14)	SB-7 (14-16)	SB-7 (16-18)	SB-7 (18-20)
Matrix					Soil	Soil	Soil	Soil
Depth Interval (ft)					12.0-14.0	14.0-16.0	16.0-18.0	18.0-20.0
Date Sampled					05/22/13	05/22/13	05/22/13	05/22/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**				
Metals								
Chromium	MG/KG	180	1500	486	20.9	NA	15.8	15.3
Cobalt	MG/KG	-	-	-	9.3	NA	8.6	8.8
Copper	MG/KG	270	270	-	13.5	NA	6.4	9.2
Iron	MG/KG	-	-	35000	20,800	NA	20,600	19,200
Lead	MG/KG	400	1000	66.8	53.1	NA		
Magnesium	MG/KG	-	-	-	3,120	NA	6,050	6,640
Manganese	MG/KG	2000	10000	-	169	NA	267	304
Mercury	MG/KG	0.81	2.8	0.27		NA		
Nickel	MG/KG	310	310	-	16.5	NA	8.8	10.8
Potassium	MG/KG	-	-	-	1,130	NA	1,360	1,360
Selenium	MG/KG	180	1500	6.4		NA		
Silver	MG/KG	180	1500	3.6		NA		
Sodium	MG/KG	-	-	-	192 J	NA	697	488 J
Thallium	MG/KG	-	-	-		NA		
Vanadium	MG/KG	-	-	80	28.2	NA	33.8	30.0
Zinc	MG/KG	10000	10000	-	83.3	NA	43.4	43.2

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-14
STATISTICAL SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Volatile Organic Compounds										
4-Methyl-2-pentanone	MG/KG	1	74	1	0.006	0.006	0.006	0	SB-01	8-10
Acetone	MG/KG	0.05	74	38	0.006	0.170	0.031	6	SB-02	6-8
Carbon disulfide	MG/KG	2.7	74	1	0.003	0.003	0.003	0	MW-02	8-10
Chlorobenzene	MG/KG	1.1	74	4	0.001	0.006	0.003	0	MW-02	8-10
Ethylbenzene	MG/KG	1	74	1	0.003	0.003	0.003	0	SB-01	8-10
Methyl ethyl ketone (2-Butanone)	MG/KG	0.12	74	21	0.006	0.093	0.017	0	MW-09	10-12
Methylene chloride	MG/KG	0.05	74	4	0.002	0.004	0.003	0	SB-01	2-4
Toluene	MG/KG	0.7	74	3	0.001	0.001	0.001	0	SB-02	18-20
Vinyl chloride	MG/KG	0.02	74	1	0.001	0.001	0.001	0	SB-01	16-18
Xylene (total)	MG/KG	0.26	74	4	0.002	0.003	0.003	0	SB-01	16-18
Semivolatile Organic Compounds										
1,1-Biphenyl	MG/KG	60	89	3	0.092	0.270	0.197	0	SB-04	6-8
2,4,5-Trichlorophenol	MG/KG	0.1	89	1	0.460	0.460	0.460	1	SB-01	8-10
2,4-Dichlorophenol	MG/KG	0.4	89	7	0.093	1.40	0.493	3	SB-01	8-10
2-Methylnaphthalene	MG/KG	0.41	89	14	0.086	3.20	0.702	7	SB-04	6-8
2-Methylphenol (o-cresol)	MG/KG	0.33	89	1	0.120	0.120	0.120	0	SB-01	6-8
4-Methylphenol (p-cresol)	MG/KG	0.33	89	11	0.080	2.70	0.823	5	SB-04	8-10

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Concentration Exceeds Criteria

- - No standards,criteria or guidance values. Empty cell or ND - not detected.

Only Detected Results Reported.

Advanced Selection: Site Subsurface
J:\Projects\1176892\DB\Stat.mde
Printed: 8/4/2014 3:40:24 PM
WHERE [MATRIX] = 'SO' AND ([LOCID] = 'MW-02' OR [LOCID] = 'MW-03' OR [LOCID] = 'MW-08' OR [LOCID] = 'MW-09' OR [LOCID] LIKE 'SB-*' OR [LOCID] = 'SS-02' OR [LOCID] = 'SS-03' OR [LOCID] = 'SS-04' OR [LOCID] = 'SS-05' OR [LOCID] = 'SS-06') AND NOT ([SED] = '0.5' OR [SED] = '2');

TABLE 4-14
STATISTICAL SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Semivolatile Organic Compounds										
Acenaphthene	MG/KG	20	89	11	0.120	0.610	0.275	0	SB-04	6-8
Acenaphthylene	MG/KG	100	89	7	0.073	0.560	0.195	0	SB-04	8-10
Acetophenone	MG/KG	-	89	5	0.096	0.130	0.117	0	SB-04	8-10
Anthracene	MG/KG	100	89	16	0.078	0.960	0.372	0	MW-03	4-6
Atrazine	MG/KG	-	89	6	0.092	0.310	0.240	0	SB-01	6-8
Benzaldehyde	MG/KG	-	89	9	0.082	0.840	0.310	0	SB-04	6-8
Benzo(a)anthracene	MG/KG	1	89	22	0.120	3.10	0.706	5	SB-04	8-10
Benzo(a)pyrene	MG/KG	1	89	23	0.100	2.90	0.605	4	SB-04	8-10
Benzo(b)fluoranthene	MG/KG	1	89	24	0.091	6.20	1.01	7	SB-04	8-10
Benzo(g,h,i)perylene	MG/KG	100	89	19	0.079	1.80	0.392	0	SB-04	8-10
Benzo(k)fluoranthene	MG/KG	0.8	89	18	0.100	2.80	0.495	3	SB-04	8-10
bis(2-Ethylhexyl)phthalate	MG/KG	50	89	11	0.077	2.00	0.417	0	SB-01	6-8
Butylbenzylphthalate	MG/KG	100	89	4	0.077	1.10	0.382	0	SB-01	6-8
Carbazole	MG/KG	-	89	27	0.130	1.50	0.310	0	SB-03	6-8
Chrysene	MG/KG	1	89	24	0.076	5.60	0.974	6	SB-04	8-10
Dibenz(a,h)anthracene	MG/KG	0.33	89	9	0.076	0.540	0.189	1	SB-04	8-10
Dibenzofuran	MG/KG	7	89	15	0.100	1.50	0.311	0	SB-03	6-8

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Concentration Exceeds Criteria

- - No standards,criteria or guidance values. Empty cell or ND - not detected.

Only Detected Results Reported.

Advanced Selection: Site Subsurface
J:\Projects\1176892\DB\Stat.mde
Printed: 8/4/2014 3:40:24 PM
WHERE [MATRIX] = 'SO' AND ([LOCID] = 'MW-02' OR [LOCID] = 'MW-03' OR [LOCID] = 'MW-08' OR [LOCID] = 'MW-09' OR [LOCID] LIKE 'SB-*' OR [LOCID] = 'SS-02' OR [LOCID] = 'SS-03' OR [LOCID] = 'SS-04' OR [LOCID] = 'SS-05' OR [LOCID] = 'SS-06') AND NOT ([SED] = '0.5' OR [SED] = '2');

TABLE 4-14
STATISTICAL SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Semivolatile Organic Compounds										
Di-n-octylphthalate	MG/KG	100	89	1	0.290	0.290	0.290	0	SB-01	6-8
Fluoranthene	MG/KG	100	89	29	0.090	13.00	1.85	0	SB-04	8-10
Fluorene	MG/KG	30	89	16	0.080	1.80	0.357	0	SB-03	6-8
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	89	20	0.081	1.70	0.344	4	SB-04	8-10
Isophorone	MG/KG	4.4	89	4	0.100	0.660	0.273	0	SB-01	8-10
Naphthalene	MG/KG	12	89	18	0.083	4.90	0.824	0	SB-04	6-8
Phenanthrene	MG/KG	100	89	26	0.079	12.00	1.78	0	SB-03	6-8
Phenol	MG/KG	0.33	89	8	0.110	0.810	0.279	2	SB-04	8-10
Pyrene	MG/KG	100	89	30	0.074	12.00	1.67	0	SB-04	8-10
Pesticide Organic Compounds										
4,4'-DDD	MG/KG	0.0033	89	30	0.001	0.910	0.062	23	SB-04	8-10
4,4'-DDE	MG/KG	0.0033	89	42	0.0009	2.40	0.072	32	SB-01	6-8
4,4'-DDT	MG/KG	0.0033	89	29	0.001	0.140	0.014	16	SB-01	6-8
Aldrin	MG/KG	0.005	89	11	0.002	0.680	0.111	7	SB-04	8-10
alpha-BHC	MG/KG	0.02	89	7	0.001	0.005	0.003	0	MW-02	10-12
alpha-Chlordane	MG/KG	0.094	89	17	0.001	0.120	0.015	1	SB-01	6-8
beta-BHC	MG/KG	0.036	89	3	0.001	0.002	0.002	0	SB-07	14-16

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Concentration Exceeds Criteria

- - No standards,criteria or guidance values. Empty cell or ND - not detected.

Only Detected Results Reported.

Advanced Selection: Site Subsurface
J:\Projects\1176892\DB\Stat.mde
Printed: 8/4/2014 3:40:24 PM
WHERE [MATRIX] = 'SO' AND ([LOCID] = 'MW-02' OR [LOCID] = 'MW-03' OR [LOCID] = 'MW-08' OR [LOCID] = 'MW-09' OR [LOCID] LIKE 'SB-*' OR [LOCID] = 'SS-02' OR [LOCID] = 'SS-03' OR [LOCID] = 'SS-04' OR [LOCID] = 'SS-05' OR [LOCID] = 'SS-06') AND NOT ([SED] = '0.5' OR [SED] = '2');

TABLE 4-14
STATISTICAL SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Pesticide Organic Compounds										
delta-BHC	MG/KG	0.04	89	4	0.001	0.007	0.003	0	SB-04	8-10
Dieldrin	MG/KG	0.005	89	25	0.002	1.30	0.141	15	SB-04	8-10
Endosulfan I	MG/KG	2.4	89	7	0.001	0.045	0.008	0	SB-01	6-8
Endosulfan II	MG/KG	2.4	89	1	0.003	0.003	0.003	0	SB-04	6-8
Endosulfan sulfate	MG/KG	2.4	89	2	0.005	0.013	0.009	0	SB-03	6-8
Endrin	MG/KG	0.014	89	5	0.003	0.019	0.008	1	SB-04	8-10
Endrin aldehyde	MG/KG	-	89	2	0.002	0.003	0.003	0	SB-04	10-12
Endrin ketone	MG/KG	-	89	9	0.002	0.150	0.036	0	SB-04	6-8
gamma-BHC (Lindane)	MG/KG	0.1	89	1	0.002	0.002	0.002	0	SB-07	6-8
gamma-Chlordane	MG/KG	0.54	89	4	0.003	0.078	0.028	0	SB-01	6-8
Heptachlor	MG/KG	0.042	89	4	0.001	0.002	0.002	0	SB-04	12-14
Heptachlor epoxide	MG/KG	0.02	89	4	0.002	0.004	0.003	0	SB-04	10-12
Methoxychlor	MG/KG	1.2	89	6	0.013	0.130	0.046	0	SB-01	6-8
Herbicides										
2,4,5-T	MG/KG	1.9	89	8	0.003	0.017	0.009	0	MW-03	8-10
2,4,5-TP (Silvex)	MG/KG	3.8	89	18	0.003	0.110	0.030	0	SB-01	18-20
2,4-D	MG/KG	0.5	89	12	0.009	0.810	0.136	1	SB-01	6-8

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Concentration Exceeds Criteria

- - No standards,criteria or guidance values. Empty cell or ND - not detected.

Only Detected Results Reported.

TABLE 4-14
STATISTICAL SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Herbicides										
2,4-DB	MG/KG	-	89	5	0.011	0.023	0.017	0	SB-05	8-10
Dicamba	MG/KG	-	89	6	0.004	0.160	0.042	0	SB-01	6-8
Dinoseb	MG/KG	-	89	2	0.003	0.004	0.003	0	SB-04	12-14
Picrolam	MG/KG	-	89	1	0.020	0.020	0.020	0	SB-03	6-8
Metals										
Aluminum	MG/KG	10000	73	73	899.0	1.72E+04	7,649	15	SB-06	10-12
Antimony	MG/KG	12	73	12	0.160	0.910	0.468	0	SB-06	12-14
Arsenic	MG/KG	13	73	73	0.760	7.70	3.04	0	SB-01	18-20
Barium	MG/KG	350	73	73	12.50	284.0	59.53	0	MW-09	8-10
Beryllium	MG/KG	7.2	73	57	0.037	0.940	0.327	0	SB-06	10-12
Cadmium	MG/KG	2.5	73	4	0.800	2.40	1.70	0	SB-01	18-20
Calcium	MG/KG	10000	73	73	716.0	6.43E+04	1.12E+04	31	SB-01	16-18
Chromium	MG/KG	30	73	73	1.60	73.50	14.11	2	MW-02	8-10
Cobalt	MG/KG	20	73	70	0.770	16.60	7.01	0	MW-02	8-10
Copper	MG/KG	50	73	72	2.20	141.0	17.00	4	MW-09	10-12
Iron	MG/KG	2000	73	71	2,720	4.17E+04	1.59E+04	71	SB-01	6-8
Lead	MG/KG	63	73	65	0.230	1,880	76.51	6	MW-09	8-10

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Concentration Exceeds Criteria

- - No standards,criteria or guidance values. Empty cell or ND - not detected.

Only Detected Results Reported.

Advanced Selection: Site Subsurface
J:\Projects\1176892\DB\Stat.mde
Printed: 8/4/2014 3:40:25 PM
WHERE [MATRIX] = 'SO' AND ([LOCID] = 'MW-02' OR [LOCID] = 'MW-03' OR [LOCID] = 'MW-08' OR [LOCID] = 'MW-09' OR [LOCID] LIKE 'SB-*' OR [LOCID] = 'SS-02' OR [LOCID] = 'SS-03' OR [LOCID] = 'SS-04' OR [LOCID] = 'SS-05' OR [LOCID] = 'SS-06') AND NOT ([SED] = '0.5' OR [SED] = '2');

TABLE 4-14
STATISTICAL SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
UNRESTRICTED USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Metals										
Magnesium	MG/KG	-	73	73	139.0	2.58E+04	4,310	0	SB-01	16-18
Manganese	MG/KG	1600	73	73	14.30	518.0	195.7	0	SB-04	14-16
Mercury	MG/KG	0.18	73	31	0.022	0.510	0.070	2	MW-09	8-10
Nickel	MG/KG	30	73	63	3.10	32.90	11.48	1	SB-02	12-14
Potassium	MG/KG	-	73	49	14.30	2,570	1,276	0	SB-04	14-16
Selenium	MG/KG	3.9	73	12	0.510	5.40	2.94	4	MW-09	8-10
Silver	MG/KG	2	73	7	1.50	2.50	1.99	4	MW-09	14-16
Sodium	MG/KG	-	73	32	42.20	768.0	451.1	0	SB-05	14-16
Thallium	MG/KG	5	73	3	0.210	0.750	0.430	0	SB-01	20-22
Vanadium	MG/KG	39	73	73	1.60	40.40	21.44	1	MW-09	14-16
Zinc	MG/KG	109	73	73	4.10	5,250	151.2	6	SB-01	6-8

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Concentration Exceeds Criteria

- - No standards,criteria or guidance values. Empty cell or ND - not detected.

Only Detected Results Reported.

Advanced Selection: Site Subsurface
J:\Projects\1176892\DB\Stat.mde
Printed: 8/4/2014 3:40:25 PM
WHERE [MATRIX] = 'SO' AND ([LOCID] = 'MW-02' OR [LOCID] = 'MW-03' OR [LOCID] = 'MW-08' OR [LOCID] = 'MW-09' OR [LOCID] LIKE 'SB-*' OR [LOCID] = 'SS-02' OR [LOCID] = 'SS-03' OR [LOCID] = 'SS-04' OR [LOCID] = 'SS-05' OR [LOCID] = 'SS-06') AND NOT ([SED] = '0.5' OR [SED] = '2');

TABLE 4-15
STATISTICAL SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
PROTECTION OF GROUNDWATER CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Volatile Organic Compounds										
4-Methyl-2-pentanone	MG/KG	1	74	1	0.006	0.006	0.006	0	SB-01	8-10
Acetone	MG/KG	0.05	74	38	0.006	0.170	0.031	6	SB-02	6-8
Carbon disulfide	MG/KG	2.7	74	1	0.003	0.003	0.003	0	MW-02	8-10
Chlorobenzene	MG/KG	1.1	74	4	0.001	0.006	0.003	0	MW-02	8-10
Ethylbenzene	MG/KG	1	74	1	0.003	0.003	0.003	0	SB-01	8-10
Methyl ethyl ketone (2-Butanone)	MG/KG	0.12	74	21	0.006	0.093	0.017	0	MW-09	10-12
Methylene chloride	MG/KG	0.05	74	4	0.002	0.004	0.003	0	SB-01	2-4
Toluene	MG/KG	0.7	74	3	0.001	0.001	0.001	0	SB-02	18-20
Vinyl chloride	MG/KG	0.02	74	1	0.001	0.001	0.001	0	SB-01	16-18
Xylene (total)	MG/KG	1.6	74	4	0.002	0.003	0.003	0	SB-01	16-18
Semivolatile Organic Compounds										
1,1-Biphenyl	MG/KG	-	89	3	0.092	0.270	0.197	0	SB-04	6-8
2,4,5-Trichlorophenol	MG/KG	0.1	89	1	0.460	0.460	0.460	1	SB-01	8-10
2,4-Dichlorophenol	MG/KG	0.4	89	7	0.093	1.40	0.493	3	SB-01	8-10
2-Methylnaphthalene	MG/KG	36.4	89	14	0.086	3.20	0.702	0	SB-04	6-8
2-Methylphenol (o-cresol)	MG/KG	0.33	89	1	0.120	0.120	0.120	0	SB-01	6-8
4-Methylphenol (p-cresol)	MG/KG	0.33	89	11	0.080	2.70	0.823	5	SB-04	8-10

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Concentration Exceeds Criteria

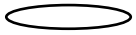
- - No standards,criteria or guidance values. Empty cell or ND - not detected.

Only Detected Results Reported.

TABLE 4-15
STATISTICAL SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
PROTECTION OF GROUNDWATER CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Semivolatile Organic Compounds										
Acenaphthene	MG/KG	98	89	11	0.120	0.610	0.275	0	SB-04	6-8
Acenaphthylene	MG/KG	107	89	7	0.073	0.560	0.195	0	SB-04	8-10
Acetophenone	MG/KG	-	89	5	0.096	0.130	0.117	0	SB-04	8-10
Anthracene	MG/KG	1000	89	16	0.078	0.960	0.372	0	MW-03	4-6
Atrazine	MG/KG	-	89	6	0.092	0.310	0.240	0	SB-01	6-8
Benzaldehyde	MG/KG	-	89	9	0.082	0.840	0.310	0	SB-04	6-8
Benzo(a)anthracene	MG/KG	1	89	22	0.120	3.10	0.706	5	SB-04	8-10
Benzo(a)pyrene	MG/KG	22	89	23	0.100	2.90	0.605	0	SB-04	8-10
Benzo(b)fluoranthene	MG/KG	1.7	89	24	0.091	6.20	1.01	4	SB-04	8-10
Benzo(g,h,i)perylene	MG/KG	1000	89	19	0.079	1.80	0.392	0	SB-04	8-10
Benzo(k)fluoranthene	MG/KG	1.7	89	18	0.100	2.80	0.495	1	SB-04	8-10
bis(2-Ethylhexyl)phthalate	MG/KG	435	89	11	0.077	2.00	0.417	0	SB-01	6-8
Butylbenzylphthalate	MG/KG	122	89	4	0.077	1.10	0.382	0	SB-01	6-8
Carbazole	MG/KG	-	89	27	0.130	1.50	0.310	0	SB-03	6-8
Chrysene	MG/KG	1	89	24	0.076	5.60	0.974	6	SB-04	8-10
Dibenz(a,h)anthracene	MG/KG	1000	89	9	0.076	0.540	0.189	0	SB-04	8-10
Dibenzofuran	MG/KG	210	89	15	0.100	1.50	0.311	0	SB-03	6-8

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.


Concentration Exceeds Criteria

- - No standards,criteria or guidance values. Empty cell or ND - not detected.

Only Detected Results Reported.

TABLE 4-15
STATISTICAL SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
PROTECTION OF GROUNDWATER CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Semivolatile Organic Compounds										
Di-n-octylphthalate	MG/KG	120	89	1	0.290	0.290	0.290	0	SB-01	6-8
Fluoranthene	MG/KG	1000	89	29	0.090	13.00	1.85	0	SB-04	8-10
Fluorene	MG/KG	386	89	16	0.080	1.80	0.357	0	SB-03	6-8
Indeno(1,2,3-cd)pyrene	MG/KG	8.2	89	20	0.081	1.70	0.344	0	SB-04	8-10
Isophorone	MG/KG	4.4	89	4	0.100	0.660	0.273	0	SB-01	8-10
Naphthalene	MG/KG	12	89	18	0.083	4.90	0.824	0	SB-04	6-8
Phenanthrene	MG/KG	1000	89	26	0.079	12.00	1.78	0	SB-03	6-8
Phenol	MG/KG	0.33	89	8	0.110	0.810	0.279	2	SB-04	8-10
Pyrene	MG/KG	1000	89	30	0.074	12.00	1.67	0	SB-04	8-10
Pesticide Organic Compounds										
4,4'-DDD	MG/KG	14	89	30	0.001	0.910	0.062	0	SB-04	8-10
4,4'-DDE	MG/KG	17	89	42	0.0009	2.40	0.072	0	SB-01	6-8
4,4'-DDT	MG/KG	136	89	29	0.001	0.140	0.014	0	SB-01	6-8
Aldrin	MG/KG	0.19	89	11	0.002	0.680	0.111	2	SB-04	8-10
alpha-BHC	MG/KG	0.02	89	7	0.001	0.005	0.003	0	MW-02	10-12
alpha-Chlordane	MG/KG	2.9	89	17	0.001	0.120	0.015	0	SB-01	6-8
beta-BHC	MG/KG	0.09	89	3	0.001	0.002	0.002	0	SB-07	14-16

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Concentration Exceeds Criteria

- - No standards,criteria or guidance values. Empty cell or ND - not detected.

Only Detected Results Reported.

TABLE 4-15
STATISTICAL SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
PROTECTION OF GROUNDWATER CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Pesticide Organic Compounds										
delta-BHC	MG/KG	0.25	89	4	0.001	0.007	0.003	0	SB-04	8-10
Dieldrin	MG/KG	0.1	89	25	0.002	1.30	0.141	5	SB-04	8-10
Endosulfan I	MG/KG	102	89	7	0.001	0.045	0.008	0	SB-01	6-8
Endosulfan II	MG/KG	102	89	1	0.003	0.003	0.003	0	SB-04	6-8
Endosulfan sulfate	MG/KG	1000	89	2	0.005	0.013	0.009	0	SB-03	6-8
Endrin	MG/KG	0.06	89	5	0.003	0.019	0.008	0	SB-04	8-10
Endrin aldehyde	MG/KG	-	89	2	0.002	0.003	0.003	0	SB-04	10-12
Endrin ketone	MG/KG	-	89	9	0.002	0.150	0.036	0	SB-04	6-8
gamma-BHC (Lindane)	MG/KG	0.1	89	1	0.002	0.002	0.002	0	SB-07	6-8
gamma-Chlordane	MG/KG	14	89	4	0.003	0.078	0.028	0	SB-01	6-8
Heptachlor	MG/KG	0.38	89	4	0.001	0.002	0.002	0	SB-04	12-14
Heptachlor epoxide	MG/KG	0.02	89	4	0.002	0.004	0.003	0	SB-04	10-12
Methoxychlor	MG/KG	900	89	6	0.013	0.130	0.046	0	SB-01	6-8
Herbicides										
2,4,5-T	MG/KG	1.9	89	8	0.003	0.017	0.009	0	MW-03	8-10
2,4,5-TP (Silvex)	MG/KG	3.8	89	18	0.003	0.110	0.030	0	SB-01	18-20
2,4-D	MG/KG	0.5	89	12	0.009	0.810	0.136	1	SB-01	6-8

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Concentration Exceeds Criteria

- - No standards,criteria or guidance values. Empty cell or ND - not detected.

Only Detected Results Reported.

TABLE 4-15
STATISTICAL SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
PROTECTION OF GROUNDWATER CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Herbicides										
2,4-DB	MG/KG	-	89	5	0.011	0.023	0.017	0	SB-05	8-10
Dicamba	MG/KG	-	89	6	0.004	0.160	0.042	0	SB-01	6-8
Dinoseb	MG/KG	-	89	2	0.003	0.004	0.003	0	SB-04	12-14
Picrolam	MG/KG	-	89	1	0.020	0.020	0.020	0	SB-03	6-8
Metals										
Aluminum	MG/KG	-	73	73	899.0	1.72E+04	7,649	0	SB-06	10-12
Antimony	MG/KG	-	73	12	0.160	0.910	0.468	0	SB-06	12-14
Arsenic	MG/KG	16	73	73	0.760	7.70	3.04	0	SB-01	18-20
Barium	MG/KG	820	73	73	12.50	284.0	59.53	0	MW-09	8-10
Beryllium	MG/KG	47	73	57	0.037	0.940	0.327	0	SB-06	10-12
Cadmium	MG/KG	7.5	73	4	0.800	2.40	1.70	0	SB-01	18-20
Calcium	MG/KG	-	73	73	716.0	6.43E+04	1.12E+04	0	SB-01	16-18
Chromium	MG/KG	NS	73	73	1.60	73.50	14.11	0	MW-02	8-10
Cobalt	MG/KG	-	73	70	0.770	16.60	7.01	0	MW-02	8-10
Copper	MG/KG	1720	73	72	2.20	141.0	17.00	0	MW-09	10-12
Iron	MG/KG	-	73	71	2,720	4.17E+04	1.59E+04	0	SB-01	6-8
Lead	MG/KG	450	73	65	0.230	1,880	76.51	4	MW-09	8-10

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.


Concentration Exceeds Criteria

- - No standards,criteria or guidance values. Empty cell or ND - not detected.

Only Detected Results Reported.

TABLE 4-15
STATISTICAL SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
PROTECTION OF GROUNDWATER CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Metals										
Magnesium	MG/KG	-	73	73	139.0	2.58E+04	4,310	0	SB-01	16-18
Manganese	MG/KG	2000	73	73	14.30	518.0	195.7	0	SB-04	14-16
Mercury	MG/KG	0.73	73	31	0.022	0.510	0.070	0	MW-09	8-10
Nickel	MG/KG	130	73	63	3.10	32.90	11.48	0	SB-02	12-14
Potassium	MG/KG	-	73	49	14.30	2,570	1,276	0	SB-04	14-16
Selenium	MG/KG	4	73	12	0.510	5.40	2.94	4	MW-09	8-10
Silver	MG/KG	8.3	73	7	1.50	2.50	1.99	0	MW-09	14-16
Sodium	MG/KG	-	73	32	42.20	768.0	451.1	0	SB-05	14-16
Thallium	MG/KG	-	73	3	0.210	0.750	0.430	0	SB-01	20-22
Vanadium	MG/KG	-	73	73	1.60	40.40	21.44	0	MW-09	14-16
Zinc	MG/KG	2480	73	73	4.10	5,250	151.2	1	SB-01	6-8

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Concentration Exceeds Criteria

- - No standards,criteria or guidance values. Empty cell or ND - not detected.

Only Detected Results Reported.

TABLE 4-16
STATISTICAL SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Volatile Organic Compounds										
4-Methyl-2-pentanone	MG/KG	-	74	1	0.006	0.006	0.006	0	SB-01	8-10
Acetone	MG/KG	100	74	38	0.006	0.170	0.031	0	SB-02	6-8
Carbon disulfide	MG/KG	100	74	1	0.003	0.003	0.003	0	MW-02	8-10
Chlorobenzene	MG/KG	100	74	4	0.001	0.006	0.003	0	MW-02	8-10
Ethylbenzene	MG/KG	30	74	1	0.003	0.003	0.003	0	SB-01	8-10
Methyl ethyl ketone (2-Butanone)	MG/KG	-	74	21	0.006	0.093	0.017	0	MW-09	10-12
Methylene chloride	MG/KG	51	74	4	0.002	0.004	0.003	0	SB-01	2-4
Toluene	MG/KG	100	74	3	0.001	0.001	0.001	0	SB-02	18-20
Vinyl chloride	MG/KG	0.21	74	1	0.001	0.001	0.001	0	SB-01	16-18
Xylene (total)	MG/KG	100	74	4	0.002	0.003	0.003	0	SB-01	16-18
Semivolatile Organic Compounds										
1,1-Biphenyl	MG/KG	-	89	3	0.092	0.270	0.197	0	SB-04	6-8
2,4,5-Trichlorophenol	MG/KG	100	89	1	0.460	0.460	0.460	0	SB-01	8-10
2,4-Dichlorophenol	MG/KG	100	89	7	0.093	1.40	0.493	0	SB-01	8-10
2-Methylnaphthalene	MG/KG	0.41	89	14	0.086	3.20	0.702	7	SB-04	6-8
2-Methylphenol (o-cresol)	MG/KG	100	89	1	0.120	0.120	0.120	0	SB-01	6-8
4-Methylphenol (p-cresol)	MG/KG	34	89	11	0.080	2.70	0.823	0	SB-04	8-10

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Concentration Exceeds Criteria

- - No standards,criteria or guidance values. Empty cell or ND - not detected.

Only Detected Results Reported.

TABLE 4-16
STATISTICAL SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Semivolatile Organic Compounds										
Acenaphthene	MG/KG	100	89	11	0.120	0.610	0.275	0	SB-04	6-8
Acenaphthylene	MG/KG	100	89	7	0.073	0.560	0.195	0	SB-04	8-10
Acetophenone	MG/KG	-	89	5	0.096	0.130	0.117	0	SB-04	8-10
Anthracene	MG/KG	100	89	16	0.078	0.960	0.372	0	MW-03	4-6
Atrazine	MG/KG	-	89	6	0.092	0.310	0.240	0	SB-01	6-8
Benzaldehyde	MG/KG	-	89	9	0.082	0.840	0.310	0	SB-04	6-8
Benzo(a)anthracene	MG/KG	1	89	22	0.120	3.10	0.706	5	SB-04	8-10
Benzo(a)pyrene	MG/KG	1	89	23	0.100	2.90	0.605	4	SB-04	8-10
Benzo(b)fluoranthene	MG/KG	1	89	24	0.091	6.20	1.01	7	SB-04	8-10
Benzo(g,h,i)perylene	MG/KG	100	89	19	0.079	1.80	0.392	0	SB-04	8-10
Benzo(k)fluoranthene	MG/KG	1	89	18	0.100	2.80	0.495	1	SB-04	8-10
bis(2-Ethylhexyl)phthalate	MG/KG	50	89	11	0.077	2.00	0.417	0	SB-01	6-8
Butylbenzylphthalate	MG/KG	100	89	4	0.077	1.10	0.382	0	SB-01	6-8
Carbazole	MG/KG	-	89	27	0.130	1.50	0.310	0	SB-03	6-8
Chrysene	MG/KG	1	89	24	0.076	5.60	0.974	6	SB-04	8-10
Dibenz(a,h)anthracene	MG/KG	0.33	89	9	0.076	0.540	0.189	1	SB-04	8-10
Dibenzofuran	MG/KG	14	89	15	0.100	1.50	0.311	0	SB-03	6-8

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Concentration Exceeds Criteria

- - No standards,criteria or guidance values. Empty cell or ND - not detected.

Only Detected Results Reported.

Advanced Selection: Site Subsurface
J:\Projects\1176892\DB\Stat.mde
Printed: 8/4/2014 4:01:05 PM
WHERE [MATRIX] = 'SO' AND ([LOCID] = 'MW-02' OR [LOCID] = 'MW-03' OR [LOCID] = 'MW-08' OR [LOCID] = 'MW-09' OR [LOCID] LIKE 'SB-*' OR [LOCID] = 'SS-02' OR [LOCID] = 'SS-03' OR [LOCID] = 'SS-04' OR [LOCID] = 'SS-05' OR [LOCID] = 'SS-06') AND NOT ([SED] = '0.5' OR [SED] = '2');

TABLE 4-16
STATISTICAL SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Semivolatile Organic Compounds										
Di-n-octylphthalate	MG/KG	100	89	1	0.290	0.290	0.290	0	SB-01	6-8
Fluoranthene	MG/KG	100	89	29	0.090	13.00	1.85	0	SB-04	8-10
Fluorene	MG/KG	100	89	16	0.080	1.80	0.357	0	SB-03	6-8
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	89	20	0.081	1.70	0.344	4	SB-04	8-10
Isophorone	MG/KG	100	89	4	0.100	0.660	0.273	0	SB-01	8-10
Naphthalene	MG/KG	100	89	18	0.083	4.90	0.824	0	SB-04	6-8
Phenanthrene	MG/KG	100	89	26	0.079	12.00	1.78	0	SB-03	6-8
Phenol	MG/KG	100	89	8	0.110	0.810	0.279	0	SB-04	8-10
Pyrene	MG/KG	100	89	30	0.074	12.00	1.67	0	SB-04	8-10
Pesticide Organic Compounds										
4,4'-DDD	MG/KG	2.6	89	30	0.001	0.910	0.062	0	SB-04	8-10
4,4'-DDE	MG/KG	1.8	89	42	0.0009	2.40	0.072	1	SB-01	6-8
4,4'-DDT	MG/KG	1.7	89	29	0.001	0.140	0.014	0	SB-01	6-8
Aldrin	MG/KG	0.019	89	11	0.002	0.680	0.111	5	SB-04	8-10
alpha-BHC	MG/KG	0.097	89	7	0.001	0.005	0.003	0	MW-02	10-12
alpha-Chlordane	MG/KG	0.91	89	17	0.001	0.120	0.015	0	SB-01	6-8
beta-BHC	MG/KG	0.072	89	3	0.001	0.002	0.002	0	SB-07	14-16

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Concentration Exceeds Criteria

- - No standards,criteria or guidance values. Empty cell or ND - not detected.

Only Detected Results Reported.

TABLE 4-16
STATISTICAL SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Pesticide Organic Compounds										
delta-BHC	MG/KG	100	89	4	0.001	0.007	0.003	0	SB-04	8-10
Dieldrin	MG/KG	0.039	89	25	0.002	1.30	0.141	6	SB-04	8-10
Endosulfan I	MG/KG	4.8	89	7	0.001	0.045	0.008	0	SB-01	6-8
Endosulfan II	MG/KG	4.8	89	1	0.003	0.003	0.003	0	SB-04	6-8
Endosulfan sulfate	MG/KG	4.8	89	2	0.005	0.013	0.009	0	SB-03	6-8
Endrin	MG/KG	2.2	89	5	0.003	0.019	0.008	0	SB-04	8-10
Endrin aldehyde	MG/KG	-	89	2	0.002	0.003	0.003	0	SB-04	10-12
Endrin ketone	MG/KG	-	89	9	0.002	0.150	0.036	0	SB-04	6-8
gamma-BHC (Lindane)	MG/KG	0.28	89	1	0.002	0.002	0.002	0	SB-07	6-8
gamma-Chlordane	MG/KG	0.54	89	4	0.003	0.078	0.028	0	SB-01	6-8
Heptachlor	MG/KG	0.42	89	4	0.001	0.002	0.002	0	SB-04	12-14
Heptachlor epoxide	MG/KG	0.077	89	4	0.002	0.004	0.003	0	SB-04	10-12
Methoxychlor	MG/KG	100	89	6	0.013	0.130	0.046	0	SB-01	6-8
Herbicides										
2,4,5-T	MG/KG	100	89	8	0.003	0.017	0.009	0	MW-03	8-10
2,4,5-TP (Silvex)	MG/KG	58	89	18	0.003	0.110	0.030	0	SB-01	18-20
2,4-D	MG/KG	100	89	12	0.009	0.810	0.136	0	SB-01	6-8

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Concentration Exceeds Criteria

- - No standards,criteria or guidance values. Empty cell or ND - not detected.

Only Detected Results Reported.

Advanced Selection: Site Subsurface
J:\Projects\1176892\DB\Stat.mde
Printed: 8/4/2014 4:01:06 PM
WHERE [MATRIX] = 'SO' AND ([LOCID] = 'MW-02' OR [LOCID] = 'MW-03' OR [LOCID] = 'MW-08' OR [LOCID] = 'MW-09' OR [LOCID] LIKE 'SB-*' OR [LOCID] = 'SS-02' OR [LOCID] = 'SS-03' OR [LOCID] = 'SS-04' OR [LOCID] = 'SS-05' OR [LOCID] = 'SS-06') AND NOT ([SED] = '0.5' OR [SED] = '2');

TABLE 4-16
STATISTICAL SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Herbicides										
2,4-DB	MG/KG	-	89	5	0.011	0.023	0.017	0	SB-05	8-10
Dicamba	MG/KG	-	89	6	0.004	0.160	0.042	0	SB-01	6-8
Dinoseb	MG/KG	-	89	2	0.003	0.004	0.003	0	SB-04	12-14
Picrolam	MG/KG	-	89	1	0.020	0.020	0.020	0	SB-03	6-8
Metals										
Aluminum	MG/KG	-	73	73	899.0	1.72E+04	7,649	0	SB-06	10-12
Antimony	MG/KG	-	73	12	0.160	0.910	0.468	0	SB-06	12-14
Arsenic	MG/KG	16	73	73	0.760	7.70	3.04	0	SB-01	18-20
Barium	MG/KG	350	73	73	12.50	284.0	59.53	0	MW-09	8-10
Beryllium	MG/KG	14	73	57	0.037	0.940	0.327	0	SB-06	10-12
Cadmium	MG/KG	2.5	73	4	0.800	2.40	1.70	0	SB-01	18-20
Calcium	MG/KG	-	73	73	716.0	6.43E+04	1.12E+04	0	SB-01	16-18
Chromium	MG/KG	36	73	73	1.60	73.50	14.11	2	MW-02	8-10
Cobalt	MG/KG	30	73	70	0.770	16.60	7.01	0	MW-02	8-10
Copper	MG/KG	270	73	72	2.20	141.0	17.00	0	MW-09	10-12
Iron	MG/KG	2000	73	71	2,720	4.17E+04	1.59E+04	71	SB-01	6-8
Lead	MG/KG	400	73	65	0.230	1,880	76.51	4	MW-09	8-10

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Concentration Exceeds Criteria

- - No standards,criteria or guidance values. Empty cell or ND - not detected.

Only Detected Results Reported.

Advanced Selection: Site Subsurface
J:\Projects\1176892\DB\Stat.mde
Printed: 8/4/2014 4:01:06 PM
WHERE [MATRIX] = 'SO' AND ([LOCID] = 'MW-02' OR [LOCID] = 'MW-03' OR [LOCID] = 'MW-08' OR [LOCID] = 'MW-09' OR [LOCID] LIKE 'SB-*' OR [LOCID] = 'SS-02' OR [LOCID] = 'SS-03' OR [LOCID] = 'SS-04' OR [LOCID] = 'SS-05' OR [LOCID] = 'SS-06') AND NOT ([SED] = '0.5' OR [SED] = '2');

TABLE 4-16
STATISTICAL SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Metals										
Magnesium	MG/KG	-	73	73	139.0	2.58E+04	4,310	0	SB-01	16-18
Manganese	MG/KG	2000	73	73	14.30	518.0	195.7	0	SB-04	14-16
Mercury	MG/KG	0.81	73	31	0.022	0.510	0.070	0	MW-09	8-10
Nickel	MG/KG	140	73	63	3.10	32.90	11.48	0	SB-02	12-14
Potassium	MG/KG	-	73	49	14.30	2,570	1,276	0	SB-04	14-16
Selenium	MG/KG	36	73	12	0.510	5.40	2.94	0	MW-09	8-10
Silver	MG/KG	36	73	7	1.50	2.50	1.99	0	MW-09	14-16
Sodium	MG/KG	-	73	32	42.20	768.0	451.1	0	SB-05	14-16
Thallium	MG/KG	-	73	3	0.210	0.750	0.430	0	SB-01	20-22
Vanadium	MG/KG	100	73	73	1.60	40.40	21.44	0	MW-09	14-16
Zinc	MG/KG	2200	73	73	4.10	5,250	151.2	1	SB-01	6-8

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Concentration Exceeds Criteria

- - No standards,criteria or guidance values. Empty cell or ND - not detected.

Only Detected Results Reported.

Advanced Selection: Site Subsurface
J:\Projects\1176892\DB\Stat.mde
Printed: 8/4/2014 4:01:06 PM
WHERE [MATRIX] = 'SO' AND ([LOCID] = 'MW-02' OR [LOCID] = 'MW-03' OR [LOCID] = 'MW-08' OR [LOCID] = 'MW-09' OR [LOCID] LIKE 'SB-*' OR [LOCID] = 'SS-02' OR [LOCID] = 'SS-03' OR [LOCID] = 'SS-04' OR [LOCID] = 'SS-05' OR [LOCID] = 'SS-06') AND NOT ([SED] = '0.5' OR [SED] = '2');

TABLE 4-17
STATISTICAL SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Volatile Organic Compounds										
4-Methyl-2-pentanone	MG/KG	-	74	1	0.006	0.006	0.006	0	SB-01	8-10
Acetone	MG/KG	100	74	38	0.006	0.170	0.031	0	SB-02	6-8
Carbon disulfide	MG/KG	-	74	1	0.003	0.003	0.003	0	MW-02	8-10
Chlorobenzene	MG/KG	100	74	4	0.001	0.006	0.003	0	MW-02	8-10
Ethylbenzene	MG/KG	41	74	1	0.003	0.003	0.003	0	SB-01	8-10
Methyl ethyl ketone (2-Butanone)	MG/KG	100	74	21	0.006	0.093	0.017	0	MW-09	10-12
Methylene chloride	MG/KG	100	74	4	0.002	0.004	0.003	0	SB-01	2-4
Toluene	MG/KG	100	74	3	0.001	0.001	0.001	0	SB-02	18-20
Vinyl chloride	MG/KG	0.9	74	1	0.001	0.001	0.001	0	SB-01	16-18
Xylene (total)	MG/KG	100	74	4	0.002	0.003	0.003	0	SB-01	16-18
Semivolatile Organic Compounds										
1,1-Biphenyl	MG/KG	-	89	3	0.092	0.270	0.197	0	SB-04	6-8
2,4,5-Trichlorophenol	MG/KG	-	89	1	0.460	0.460	0.460	0	SB-01	8-10
2,4-Dichlorophenol	MG/KG	-	89	7	0.093	1.40	0.493	0	SB-01	8-10
2-Methylnaphthalene	MG/KG	-	89	14	0.086	3.20	0.702	0	SB-04	6-8
2-Methylphenol (o-cresol)	MG/KG	100	89	1	0.120	0.120	0.120	0	SB-01	6-8
4-Methylphenol (p-cresol)	MG/KG	100	89	11	0.080	2.70	0.823	0	SB-04	8-10

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Concentration Exceeds Criteria

- - No standards,criteria or guidance values. Empty cell or ND - not detected.

Only Detected Results Reported.

TABLE 4-17
STATISTICAL SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Semivolatile Organic Compounds										
Acenaphthene	MG/KG	100	89	11	0.120	0.610	0.275	0	SB-04	6-8
Acenaphthylene	MG/KG	100	89	7	0.073	0.560	0.195	0	SB-04	8-10
Acetophenone	MG/KG	-	89	5	0.096	0.130	0.117	0	SB-04	8-10
Anthracene	MG/KG	100	89	16	0.078	0.960	0.372	0	MW-03	4-6
Atrazine	MG/KG	-	89	6	0.092	0.310	0.240	0	SB-01	6-8
Benzaldehyde	MG/KG	-	89	9	0.082	0.840	0.310	0	SB-04	6-8
Benzo(a)anthracene	MG/KG	1	89	22	0.120	3.10	0.706	5	SB-04	8-10
Benzo(a)pyrene	MG/KG	1	89	23	0.100	2.90	0.605	4	SB-04	8-10
Benzo(b)fluoranthene	MG/KG	1	89	24	0.091	6.20	1.01	7	SB-04	8-10
Benzo(g,h,i)perylene	MG/KG	100	89	19	0.079	1.80	0.392	0	SB-04	8-10
Benzo(k)fluoranthene	MG/KG	3.9	89	18	0.100	2.80	0.495	0	SB-04	8-10
bis(2-Ethylhexyl)phthalate	MG/KG	-	89	11	0.077	2.00	0.417	0	SB-01	6-8
Butylbenzylphthalate	MG/KG	-	89	4	0.077	1.10	0.382	0	SB-01	6-8
Carbazole	MG/KG	-	89	27	0.130	1.50	0.310	0	SB-03	6-8
Chrysene	MG/KG	3.9	89	24	0.076	5.60	0.974	1	SB-04	8-10
Dibenz(a,h)anthracene	MG/KG	0.33	89	9	0.076	0.540	0.189	1	SB-04	8-10
Dibenzofuran	MG/KG	59	89	15	0.100	1.50	0.311	0	SB-03	6-8

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Concentration Exceeds Criteria

- - No standards,criteria or guidance values. Empty cell or ND - not detected.

Only Detected Results Reported.

Advanced Selection: Site Subsurface
J:\Projects\1176892\DB\Stat.mde
Printed: 8/4/2014 4:15:39 PM
WHERE [MATRIX] = 'SO' AND ([LOCID] = 'MW-02' OR [LOCID] = 'MW-03' OR [LOCID] = 'MW-08' OR [LOCID] = 'MW-09' OR [LOCID] LIKE 'SB-*' OR [LOCID] = 'SS-02' OR [LOCID] = 'SS-03' OR [LOCID] = 'SS-04' OR [LOCID] = 'SS-05' OR [LOCID] = 'SS-06') AND NOT ([SED] = '0.5' OR [SED] = '2');

TABLE 4-17
STATISTICAL SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Semivolatile Organic Compounds										
Di-n-octylphthalate	MG/KG	-	89	1	0.290	0.290	0.290	0	SB-01	6-8
Fluoranthene	MG/KG	100	89	29	0.090	13.00	1.85	0	SB-04	8-10
Fluorene	MG/KG	100	89	16	0.080	1.80	0.357	0	SB-03	6-8
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	89	20	0.081	1.70	0.344	4	SB-04	8-10
Isophorone	MG/KG	-	89	4	0.100	0.660	0.273	0	SB-01	8-10
Naphthalene	MG/KG	100	89	18	0.083	4.90	0.824	0	SB-04	6-8
Phenanthrene	MG/KG	100	89	26	0.079	12.00	1.78	0	SB-03	6-8
Phenol	MG/KG	100	89	8	0.110	0.810	0.279	0	SB-04	8-10
Pyrene	MG/KG	100	89	30	0.074	12.00	1.67	0	SB-04	8-10
Pesticide Organic Compounds										
4,4'-DDD	MG/KG	13	89	30	0.001	0.910	0.062	0	SB-04	8-10
4,4'-DDE	MG/KG	8.9	89	42	0.0009	2.40	0.072	0	SB-01	6-8
4,4'-DDT	MG/KG	7.9	89	29	0.001	0.140	0.014	0	SB-01	6-8
Aldrin	MG/KG	0.097	89	11	0.002	0.680	0.111	4	SB-04	8-10
alpha-BHC	MG/KG	0.48	89	7	0.001	0.005	0.003	0	MW-02	10-12
alpha-Chlordane	MG/KG	4.2	89	17	0.001	0.120	0.015	0	SB-01	6-8
beta-BHC	MG/KG	0.36	89	3	0.001	0.002	0.002	0	SB-07	14-16

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Concentration Exceeds Criteria

- - No standards,criteria or guidance values. Empty cell or ND - not detected.

Only Detected Results Reported.

TABLE 4-17
STATISTICAL SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Pesticide Organic Compounds										
delta-BHC	MG/KG	100	89	4	0.001	0.007	0.003	0	SB-04	8-10
Dieldrin	MG/KG	0.2	89	25	0.002	1.30	0.141	4	SB-04	8-10
Endosulfan I	MG/KG	24	89	7	0.001	0.045	0.008	0	SB-01	6-8
Endosulfan II	MG/KG	24	89	1	0.003	0.003	0.003	0	SB-04	6-8
Endosulfan sulfate	MG/KG	24	89	2	0.005	0.013	0.009	0	SB-03	6-8
Endrin	MG/KG	11	89	5	0.003	0.019	0.008	0	SB-04	8-10
Endrin aldehyde	MG/KG	-	89	2	0.002	0.003	0.003	0	SB-04	10-12
Endrin ketone	MG/KG	-	89	9	0.002	0.150	0.036	0	SB-04	6-8
gamma-BHC (Lindane)	MG/KG	1.3	89	1	0.002	0.002	0.002	0	SB-07	6-8
gamma-Chlordane	MG/KG	-	89	4	0.003	0.078	0.028	0	SB-01	6-8
Heptachlor	MG/KG	2.1	89	4	0.001	0.002	0.002	0	SB-04	12-14
Heptachlor epoxide	MG/KG	-	89	4	0.002	0.004	0.003	0	SB-04	10-12
Methoxychlor	MG/KG	-	89	6	0.013	0.130	0.046	0	SB-01	6-8
Herbicides										
2,4,5-T	MG/KG	-	89	8	0.003	0.017	0.009	0	MW-03	8-10
2,4,5-TP (Silvex)	MG/KG	100	89	18	0.003	0.110	0.030	0	SB-01	18-20
2,4-D	MG/KG	-	89	12	0.009	0.810	0.136	0	SB-01	6-8

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Concentration Exceeds Criteria

- - No standards,criteria or guidance values. Empty cell or ND - not detected.

Only Detected Results Reported.

TABLE 4-17
STATISTICAL SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Herbicides										
2,4-DB	MG/KG	-	89	5	0.011	0.023	0.017	0	SB-05	8-10
Dicamba	MG/KG	-	89	6	0.004	0.160	0.042	0	SB-01	6-8
Dinoseb	MG/KG	-	89	2	0.003	0.004	0.003	0	SB-04	12-14
Picrolam	MG/KG	-	89	1	0.020	0.020	0.020	0	SB-03	6-8
Metals										
Aluminum	MG/KG	-	73	73	899.0	1.72E+04	7,649	0	SB-06	10-12
Antimony	MG/KG	-	73	12	0.160	0.910	0.468	0	SB-06	12-14
Arsenic	MG/KG	16	73	73	0.760	7.70	3.04	0	SB-01	18-20
Barium	MG/KG	400	73	73	12.50	284.0	59.53	0	MW-09	8-10
Beryllium	MG/KG	72	73	57	0.037	0.940	0.327	0	SB-06	10-12
Cadmium	MG/KG	4.3	73	4	0.800	2.40	1.70	0	SB-01	18-20
Calcium	MG/KG	-	73	73	716.0	6.43E+04	1.12E+04	0	SB-01	16-18
Chromium	MG/KG	180	73	73	1.60	73.50	14.11	0	MW-02	8-10
Cobalt	MG/KG	-	73	70	0.770	16.60	7.01	0	MW-02	8-10
Copper	MG/KG	270	73	72	2.20	141.0	17.00	0	MW-09	10-12
Iron	MG/KG	-	73	71	2,720	4.17E+04	1.59E+04	0	SB-01	6-8
Lead	MG/KG	400	73	65	0.230	1,880	76.51	4	MW-09	8-10

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.


Concentration Exceeds Criteria

- - No standards,criteria or guidance values. Empty cell or ND - not detected.

Only Detected Results Reported.

Advanced Selection: Site Subsurface
J:\Projects\1176892\DB\Stat.mde
Printed: 8/4/2014 4:15:39 PM

WHERE [MATRIX] = 'SO' AND ([LOCID] = 'MW-02' OR [LOCID] = 'MW-03' OR [LOCID] = 'MW-08' OR [LOCID] = 'MW-09' OR [LOCID] LIKE 'SB-*' OR [LOCID] = 'SS-02' OR [LOCID] = 'SS-03' OR [LOCID] = 'SS-04' OR [LOCID] = 'SS-05' OR [LOCID] = 'SS-06') AND NOT ([SED] = '0.5' OR [SED] = '2');

TABLE 4-17
STATISTICAL SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
RESTRICTED RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Metals										
Magnesium	MG/KG	-	73	73	139.0	2.58E+04	4,310	0	SB-01	16-18
Manganese	MG/KG	2000	73	73	14.30	518.0	195.7	0	SB-04	14-16
Mercury	MG/KG	0.81	73	31	0.022	0.510	0.070	0	MW-09	8-10
Nickel	MG/KG	310	73	63	3.10	32.90	11.48	0	SB-02	12-14
Potassium	MG/KG	-	73	49	14.30	2,570	1,276	0	SB-04	14-16
Selenium	MG/KG	180	73	12	0.510	5.40	2.94	0	MW-09	8-10
Silver	MG/KG	180	73	7	1.50	2.50	1.99	0	MW-09	14-16
Sodium	MG/KG	-	73	32	42.20	768.0	451.1	0	SB-05	14-16
Thallium	MG/KG	-	73	3	0.210	0.750	0.430	0	SB-01	20-22
Vanadium	MG/KG	-	73	73	1.60	40.40	21.44	0	MW-09	14-16
Zinc	MG/KG	10000	73	73	4.10	5,250	151.2	0	SB-01	6-8

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Restricted Residential, including CP-51 Table 1, Effective 12/2/10.

Concentration Exceeds Criteria

- - No standards,criteria or guidance values. Empty cell or ND - not detected.

Only Detected Results Reported.

Advanced Selection: Site Subsurface
J:\Projects\1176892\DB\Stat.mde
Printed: 8/4/2014 4:15:39 PM
WHERE [MATRIX] = 'SO' AND ([LOCID] = 'MW-02' OR [LOCID] = 'MW-03' OR [LOCID] = 'MW-08' OR [LOCID] = 'MW-09' OR [LOCID] LIKE 'SB-*' OR [LOCID] = 'SS-02' OR [LOCID] = 'SS-03' OR [LOCID] = 'SS-04' OR [LOCID] = 'SS-05' OR [LOCID] = 'SS-06') AND NOT ([SED] = '0.5' OR [SED] = '2');

TABLE 4-18
STATISTICAL SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
COMMERCIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Volatile Organic Compounds										
4-Methyl-2-pentanone	MG/KG	-	74	1	0.006	0.006	0.006	0	SB-01	8-10
Acetone	MG/KG	500	74	38	0.006	0.170	0.031	0	SB-02	6-8
Carbon disulfide	MG/KG	-	74	1	0.003	0.003	0.003	0	MW-02	8-10
Chlorobenzene	MG/KG	500	74	4	0.001	0.006	0.003	0	MW-02	8-10
Ethylbenzene	MG/KG	390	74	1	0.003	0.003	0.003	0	SB-01	8-10
Methyl ethyl ketone (2-Butanone)	MG/KG	500	74	21	0.006	0.093	0.017	0	MW-09	10-12
Methylene chloride	MG/KG	500	74	4	0.002	0.004	0.003	0	SB-01	2-4
Toluene	MG/KG	500	74	3	0.001	0.001	0.001	0	SB-02	18-20
Vinyl chloride	MG/KG	13	74	1	0.001	0.001	0.001	0	SB-01	16-18
Xylene (total)	MG/KG	500	74	4	0.002	0.003	0.003	0	SB-01	16-18
Semivolatile Organic Compounds										
1,1-Biphenyl	MG/KG	-	89	3	0.092	0.270	0.197	0	SB-04	6-8
2,4,5-Trichlorophenol	MG/KG	-	89	1	0.460	0.460	0.460	0	SB-01	8-10
2,4-Dichlorophenol	MG/KG	-	89	7	0.093	1.40	0.493	0	SB-01	8-10
2-Methylnaphthalene	MG/KG	-	89	14	0.086	3.20	0.702	0	SB-04	6-8
2-Methylphenol (o-cresol)	MG/KG	500	89	1	0.120	0.120	0.120	0	SB-01	6-8
4-Methylphenol (p-cresol)	MG/KG	500	89	11	0.080	2.70	0.823	0	SB-04	8-10

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Concentration Exceeds Criteria

Only Detected Results Reported.

TABLE 4-18
STATISTICAL SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
COMMERCIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Semivolatile Organic Compounds										
Acenaphthene	MG/KG	500	89	11	0.120	0.610	0.275	0	SB-04	6-8
Acenaphthylene	MG/KG	500	89	7	0.073	0.560	0.195	0	SB-04	8-10
Acetophenone	MG/KG	-	89	5	0.096	0.130	0.117	0	SB-04	8-10
Anthracene	MG/KG	500	89	16	0.078	0.960	0.372	0	MW-03	4-6
Atrazine	MG/KG	-	89	6	0.092	0.310	0.240	0	SB-01	6-8
Benzaldehyde	MG/KG	-	89	9	0.082	0.840	0.310	0	SB-04	6-8
Benzo(a)anthracene	MG/KG	5.6	89	22	0.120	3.10	0.706	0	SB-04	8-10
Benzo(a)pyrene	MG/KG	1	89	23	0.100	2.90	0.605	4	SB-04	8-10
Benzo(b)fluoranthene	MG/KG	5.6	89	24	0.091	6.20	1.01	1	SB-04	8-10
Benzo(g,h,i)perylene	MG/KG	500	89	19	0.079	1.80	0.392	0	SB-04	8-10
Benzo(k)fluoranthene	MG/KG	56	89	18	0.100	2.80	0.495	0	SB-04	8-10
bis(2-Ethylhexyl)phthalate	MG/KG	-	89	11	0.077	2.00	0.417	0	SB-01	6-8
Butylbenzylphthalate	MG/KG	-	89	4	0.077	1.10	0.382	0	SB-01	6-8
Carbazole	MG/KG	-	89	27	0.130	1.50	0.310	0	SB-03	6-8
Chrysene	MG/KG	56	89	24	0.076	5.60	0.974	0	SB-04	8-10
Dibenz(a,h)anthracene	MG/KG	0.56	89	9	0.076	0.540	0.189	0	SB-04	8-10
Dibenzofuran	MG/KG	350	89	15	0.100	1.50	0.311	0	SB-03	6-8

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Concentration Exceeds Criteria

Only Detected Results Reported.

TABLE 4-18
STATISTICAL SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
COMMERCIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Semivolatile Organic Compounds										
Di-n-octylphthalate	MG/KG	-	89	1	0.290	0.290	0.290	0	SB-01	6-8
Fluoranthene	MG/KG	500	89	29	0.090	13.00	1.85	0	SB-04	8-10
Fluorene	MG/KG	500	89	16	0.080	1.80	0.357	0	SB-03	6-8
Indeno(1,2,3-cd)pyrene	MG/KG	5.6	89	20	0.081	1.70	0.344	0	SB-04	8-10
Isophorone	MG/KG	-	89	4	0.100	0.660	0.273	0	SB-01	8-10
Naphthalene	MG/KG	500	89	18	0.083	4.90	0.824	0	SB-04	6-8
Phenanthrene	MG/KG	500	89	26	0.079	12.00	1.78	0	SB-03	6-8
Phenol	MG/KG	500	89	8	0.110	0.810	0.279	0	SB-04	8-10
Pyrene	MG/KG	500	89	30	0.074	12.00	1.67	0	SB-04	8-10
Pesticide Organic Compounds										
4,4'-DDD	MG/KG	92	89	30	0.001	0.910	0.062	0	SB-04	8-10
4,4'-DDE	MG/KG	62	89	42	0.0009	2.40	0.072	0	SB-01	6-8
4,4'-DDT	MG/KG	47	89	29	0.001	0.140	0.014	0	SB-01	6-8
Aldrin	MG/KG	0.68	89	11	0.002	0.680	0.111	1	SB-04	8-10
alpha-BHC	MG/KG	3.4	89	7	0.001	0.005	0.003	0	MW-02	10-12
alpha-Chlordane	MG/KG	24	89	17	0.001	0.120	0.015	0	SB-01	6-8
beta-BHC	MG/KG	3	89	3	0.001	0.002	0.002	0	SB-07	14-16

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Concentration Exceeds Criteria

Only Detected Results Reported.

TABLE 4-18
STATISTICAL SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
COMMERCIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Pesticide Organic Compounds										
delta-BHC	MG/KG	500	89	4	0.001	0.007	0.003	0	SB-04	8-10
Dieldrin	MG/KG	1.4	89	25	0.002	1.30	0.141	0	SB-04	8-10
Endosulfan I	MG/KG	200	89	7	0.001	0.045	0.008	0	SB-01	6-8
Endosulfan II	MG/KG	200	89	1	0.003	0.003	0.003	0	SB-04	6-8
Endosulfan sulfate	MG/KG	200	89	2	0.005	0.013	0.009	0	SB-03	6-8
Endrin	MG/KG	89	89	5	0.003	0.019	0.008	0	SB-04	8-10
Endrin aldehyde	MG/KG	-	89	2	0.002	0.003	0.003	0	SB-04	10-12
Endrin ketone	MG/KG	-	89	9	0.002	0.150	0.036	0	SB-04	6-8
gamma-BHC (Lindane)	MG/KG	9.2	89	1	0.002	0.002	0.002	0	SB-07	6-8
gamma-Chlordane	MG/KG	-	89	4	0.003	0.078	0.028	0	SB-01	6-8
Heptachlor	MG/KG	15	89	4	0.001	0.002	0.002	0	SB-04	12-14
Heptachlor epoxide	MG/KG	-	89	4	0.002	0.004	0.003	0	SB-04	10-12
Methoxychlor	MG/KG	-	89	6	0.013	0.130	0.046	0	SB-01	6-8
Herbicides										
2,4,5-T	MG/KG	-	89	8	0.003	0.017	0.009	0	MW-03	8-10
2,4,5-TP (Silvex)	MG/KG	500	89	18	0.003	0.110	0.030	0	SB-01	18-20
2,4-D	MG/KG	-	89	12	0.009	0.810	0.136	0	SB-01	6-8

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

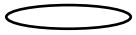
Concentration Exceeds Criteria

Only Detected Results Reported.

TABLE 4-18
STATISTICAL SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
COMMERCIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Herbicides										
2,4-DB	MG/KG	-	89	5	0.011	0.023	0.017	0	SB-05	8-10
Dicamba	MG/KG	-	89	6	0.004	0.160	0.042	0	SB-01	6-8
Dinoseb	MG/KG	-	89	2	0.003	0.004	0.003	0	SB-04	12-14
Picrolam	MG/KG	-	89	1	0.020	0.020	0.020	0	SB-03	6-8
Metals										
Aluminum	MG/KG	-	73	73	899.0	1.72E+04	7,649	0	SB-06	10-12
Antimony	MG/KG	-	73	12	0.160	0.910	0.468	0	SB-06	12-14
Arsenic	MG/KG	16	73	73	0.760	7.70	3.04	0	SB-01	18-20
Barium	MG/KG	400	73	73	12.50	284.0	59.53	0	MW-09	8-10
Beryllium	MG/KG	590	73	57	0.037	0.940	0.327	0	SB-06	10-12
Cadmium	MG/KG	9.3	73	4	0.800	2.40	1.70	0	SB-01	18-20
Calcium	MG/KG	-	73	73	716.0	6.43E+04	1.12E+04	0	SB-01	16-18
Chromium	MG/KG	1500	73	73	1.60	73.50	14.11	0	MW-02	8-10
Cobalt	MG/KG	-	73	70	0.770	16.60	7.01	0	MW-02	8-10
Copper	MG/KG	270	73	72	2.20	141.0	17.00	0	MW-09	10-12
Iron	MG/KG	-	73	71	2,720	4.17E+04	1.59E+04	0	SB-01	6-8
Lead	MG/KG	1000	73	65	0.230	1,880	76.51	1	MW-09	8-10

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.


Concentration Exceeds Criteria

Only Detected Results Reported.

TABLE 4-18
STATISTICAL SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
COMMERCIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Metals										
Magnesium	MG/KG	-	73	73	139.0	2.58E+04	4,310	0	SB-01	16-18
Manganese	MG/KG	10000	73	73	14.30	518.0	195.7	0	SB-04	14-16
Mercury	MG/KG	2.8	73	31	0.022	0.510	0.070	0	MW-09	8-10
Nickel	MG/KG	310	73	63	3.10	32.90	11.48	0	SB-02	12-14
Potassium	MG/KG	-	73	49	14.30	2,570	1,276	0	SB-04	14-16
Selenium	MG/KG	1500	73	12	0.510	5.40	2.94	0	MW-09	8-10
Silver	MG/KG	1500	73	7	1.50	2.50	1.99	0	MW-09	14-16
Sodium	MG/KG	-	73	32	42.20	768.0	451.1	0	SB-05	14-16
Thallium	MG/KG	-	73	3	0.210	0.750	0.430	0	SB-01	20-22
Vanadium	MG/KG	-	73	73	1.60	40.40	21.44	0	MW-09	14-16
Zinc	MG/KG	10000	73	73	4.10	5,250	151.2	0	SB-01	6-8

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Commercial, including CP-51 Table 1, Effective 12/2/10.

Concentration Exceeds Criteria

Only Detected Results Reported.

TABLE 4-19
STATISTICAL SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Volatile Organic Compounds										
4-Methyl-2-pentanone	MG/KG	-	74	1	0.006	0.006	0.006	0	SB-01	8-10
Acetone	MG/KG	0.089	74	38	0.006	0.170	0.031	1	SB-02	6-8
Carbon disulfide	MG/KG	-	74	1	0.003	0.003	0.003	0	MW-02	8-10
Chlorobenzene	MG/KG	-	74	4	0.001	0.006	0.003	0	MW-02	8-10
Ethylbenzene	MG/KG	-	74	1	0.003	0.003	0.003	0	SB-01	8-10
Methyl ethyl ketone (2-Butanone)	MG/KG	-	74	21	0.006	0.093	0.017	0	MW-09	10-12
Methylene chloride	MG/KG	-	74	4	0.002	0.004	0.003	0	SB-01	2-4
Toluene	MG/KG	-	74	3	0.001	0.001	0.001	0	SB-02	18-20
Vinyl chloride	MG/KG	-	74	1	0.001	0.001	0.001	0	SB-01	16-18
Xylene (total)	MG/KG	-	74	4	0.002	0.003	0.003	0	SB-01	16-18
Semivolatile Organic Compounds										
1,1-Biphenyl	MG/KG	-	89	3	0.092	0.270	0.197	0	SB-04	6-8
2,4,5-Trichlorophenol	MG/KG	-	89	1	0.460	0.460	0.460	0	SB-01	8-10
2,4-Dichlorophenol	MG/KG	-	89	7	0.093	1.40	0.493	0	SB-01	8-10
2-Methylnaphthalene	MG/KG	-	89	14	0.086	3.20	0.702	0	SB-04	6-8
2-Methylphenol (o-cresol)	MG/KG	-	89	1	0.120	0.120	0.120	0	SB-01	6-8
4-Methylphenol (p-cresol)	MG/KG	-	89	11	0.080	2.70	0.823	0	SB-04	8-10

*Criteria- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Concentration Exceeds Criteria

Only Detected Results Reported.

TABLE 4-19
STATISTICAL SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Semivolatile Organic Compounds										
Acenaphthene	MG/KG	-	89	11	0.120	0.610	0.275	0	SB-04	6-8
Acenaphthylene	MG/KG	-	89	7	0.073	0.560	0.195	0	SB-04	8-10
Acetophenone	MG/KG	-	89	5	0.096	0.130	0.117	0	SB-04	8-10
Anthracene	MG/KG	-	89	16	0.078	0.960	0.372	0	MW-03	4-6
Atrazine	MG/KG	-	89	6	0.092	0.310	0.240	0	SB-01	6-8
Benzaldehyde	MG/KG	-	89	9	0.082	0.840	0.310	0	SB-04	6-8
Benzo(a)anthracene	MG/KG	-	89	22	0.120	3.10	0.706	0	SB-04	8-10
Benzo(a)pyrene	MG/KG	-	89	23	0.100	2.90	0.605	0	SB-04	8-10
Benzo(b)fluoranthene	MG/KG	-	89	24	0.091	6.20	1.01	0	SB-04	8-10
Benzo(g,h,i)perylene	MG/KG	-	89	19	0.079	1.80	0.392	0	SB-04	8-10
Benzo(k)fluoranthene	MG/KG	-	89	18	0.100	2.80	0.495	0	SB-04	8-10
bis(2-Ethylhexyl)phthalate	MG/KG	-	89	11	0.077	2.00	0.417	0	SB-01	6-8
Butylbenzylphthalate	MG/KG	-	89	4	0.077	1.10	0.382	0	SB-01	6-8
Carbazole	MG/KG	-	89	27	0.130	1.50	0.310	0	SB-03	6-8
Chrysene	MG/KG	-	89	24	0.076	5.60	0.974	0	SB-04	8-10
Dibenz(a,h)anthracene	MG/KG	-	89	9	0.076	0.540	0.189	0	SB-04	8-10
Dibenzofuran	MG/KG	-	89	15	0.100	1.50	0.311	0	SB-03	6-8

*Criteria- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.


Concentration Exceeds Criteria

Only Detected Results Reported.

TABLE 4-19
STATISTICAL SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Semivolatile Organic Compounds										
Di-n-octylphthalate	MG/KG	-	89	1	0.290	0.290	0.290	0	SB-01	6-8
Fluoranthene	MG/KG	-	89	29	0.090	13.00	1.85	0	SB-04	8-10
Fluorene	MG/KG	-	89	16	0.080	1.80	0.357	0	SB-03	6-8
Indeno(1,2,3-cd)pyrene	MG/KG	-	89	20	0.081	1.70	0.344	0	SB-04	8-10
Isophorone	MG/KG	-	89	4	0.100	0.660	0.273	0	SB-01	8-10
Naphthalene	MG/KG	-	89	18	0.083	4.90	0.824	0	SB-04	6-8
Phenanthrene	MG/KG	-	89	26	0.079	12.00	1.78	0	SB-03	6-8
Phenol	MG/KG	-	89	8	0.110	0.810	0.279	0	SB-04	8-10
Pyrene	MG/KG	-	89	30	0.074	12.00	1.67	0	SB-04	8-10
Pesticide Organic Compounds										
4,4'-DDD	MG/KG	-	89	30	0.001	0.910	0.062	0	SB-04	8-10
4,4'-DDE	MG/KG	-	89	42	0.0009	2.40	0.072	0	SB-01	6-8
4,4'-DDT	MG/KG	0.007	89	29	0.001	0.140	0.014	7	SB-01	6-8
Aldrin	MG/KG	-	89	11	0.002	0.680	0.111	0	SB-04	8-10
alpha-BHC	MG/KG	-	89	7	0.001	0.005	0.003	0	MW-02	10-12
alpha-Chlordane	MG/KG	-	89	17	0.001	0.120	0.015	0	SB-01	6-8
beta-BHC	MG/KG	-	89	3	0.001	0.002	0.002	0	SB-07	14-16

*Criteria- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.


Concentration Exceeds Criteria

Only Detected Results Reported.

TABLE 4-19
STATISTICAL SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Pesticide Organic Compounds										
delta-BHC	MG/KG	-	89	4	0.001	0.007	0.003	0	SB-04	8-10
Dieldrin	MG/KG	-	89	25	0.002	1.30	0.141	0	SB-04	8-10
Endosulfan I	MG/KG	-	89	7	0.001	0.045	0.008	0	SB-01	6-8
Endosulfan II	MG/KG	-	89	1	0.003	0.003	0.003	0	SB-04	6-8
Endosulfan sulfate	MG/KG	-	89	2	0.005	0.013	0.009	0	SB-03	6-8
Endrin	MG/KG	-	89	5	0.003	0.019	0.008	0	SB-04	8-10
Endrin aldehyde	MG/KG	-	89	2	0.002	0.003	0.003	0	SB-04	10-12
Endrin ketone	MG/KG	-	89	9	0.002	0.150	0.036	0	SB-04	6-8
gamma-BHC (Lindane)	MG/KG	-	89	1	0.002	0.002	0.002	0	SB-07	6-8
gamma-Chlordane	MG/KG	-	89	4	0.003	0.078	0.028	0	SB-01	6-8
Heptachlor	MG/KG	-	89	4	0.001	0.002	0.002	0	SB-04	12-14
Heptachlor epoxide	MG/KG	-	89	4	0.002	0.004	0.003	0	SB-04	10-12
Methoxychlor	MG/KG	-	89	6	0.013	0.130	0.046	0	SB-01	6-8
Herbicides										
2,4,5-T	MG/KG	-	89	8	0.003	0.017	0.009	0	MW-03	8-10
2,4,5-TP (Silvex)	MG/KG	-	89	18	0.003	0.110	0.030	0	SB-01	18-20
2,4-D	MG/KG	-	89	12	0.009	0.810	0.136	0	SB-01	6-8

*Criteria- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Concentration Exceeds Criteria

Only Detected Results Reported.

TABLE 4-19
STATISTICAL SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Herbicides										
2,4-DB	MG/KG	-	89	5	0.011	0.023	0.017	0	SB-05	8-10
Dicamba	MG/KG	-	89	6	0.004	0.160	0.042	0	SB-01	6-8
Dinoseb	MG/KG	-	89	2	0.003	0.004	0.003	0	SB-04	12-14
Picrolam	MG/KG	-	89	1	0.020	0.020	0.020	0	SB-03	6-8
Metals										
Aluminum	MG/KG	20400	73	73	899.0	1.72E+04	7,649	0	SB-06	10-12
Antimony	MG/KG	-	73	12	0.160	0.910	0.468	0	SB-06	12-14
Arsenic	MG/KG	13.3	73	73	0.760	7.70	3.04	0	SB-01	18-20
Barium	MG/KG	-	73	73	12.50	284.0	59.53	0	MW-09	8-10
Beryllium	MG/KG	-	73	57	0.037	0.940	0.327	0	SB-06	10-12
Cadmium	MG/KG	-	73	4	0.800	2.40	1.70	0	SB-01	18-20
Calcium	MG/KG	34200	73	73	716.0	6.43E+04	1.12E+04	5	SB-01	16-18
Chromium	MG/KG	486	73	73	1.60	73.50	14.11	0	MW-02	8-10
Cobalt	MG/KG	-	73	70	0.770	16.60	7.01	0	MW-02	8-10
Copper	MG/KG	-	73	72	2.20	141.0	17.00	0	MW-09	10-12
Iron	MG/KG	35000	73	71	2,720	4.17E+04	1.59E+04	1	SB-01	6-8
Lead	MG/KG	66.8	73	65	0.230	1,880	76.51	6	MW-09	8-10

*Criteria- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.


Concentration Exceeds Criteria

Only Detected Results Reported.

Advanced Selection: Site Subsurface
J:\Projects\11176892\DB\Stat.mde
Printed: 12/18/2014 10:17:23 AM
WHERE [MATRIX] = 'SO' AND ([LOCID] = 'MW-02' OR [LOCID] = 'MW-03' OR [LOCID] = 'MW-08' OR [LOCID] = 'MW-09' OR [LOCID] LIKE 'SB-*' OR [LOCID] = 'SS-03' OR [LOCID] = 'SS-04' OR [LOCID] = 'SS-05') AND NOT ([SED] = '0.167' OR [SED] = '0.5' OR [SED] = '1.5' OR [SED] = '2');

TABLE 4-19
STATISTICAL SUMMARY OF DETECTED ANALYTES IN SITE SUBSURFACE SOILS
SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Metals										
Magnesium	MG/KG	-	73	73	139.0	2.58E+04	4,310	0	SB-01	16-18
Manganese	MG/KG	-	73	73	14.30	518.0	195.7	0	SB-04	14-16
Mercury	MG/KG	0.27	73	31	0.022	0.510	0.070	2	MW-09	8-10
Nickel	MG/KG	-	73	63	3.10	32.90	11.48	0	SB-02	12-14
Potassium	MG/KG	-	73	49	14.30	2,570	1,276	0	SB-04	14-16
Selenium	MG/KG	6.4	73	12	0.510	5.40	2.94	0	MW-09	8-10
Silver	MG/KG	3.6	73	7	1.50	2.50	1.99	0	MW-09	14-16
Sodium	MG/KG	-	73	32	42.20	768.0	451.1	0	SB-05	14-16
Thallium	MG/KG	-	73	3	0.210	0.750	0.430	0	SB-01	20-22
Vanadium	MG/KG	80	73	73	1.60	40.40	21.44	0	MW-09	14-16
Zinc	MG/KG	-	73	73	4.10	5,250	151.2	0	SB-01	6-8

*Criteria- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Concentration Exceeds Criteria

Only Detected Results Reported.

Advanced Selection: Site Subsurface
J:\Projects\11176892\DB\Stat.mde
Printed: 12/18/2014 10:17:23 AM
WHERE [MATRIX] = 'SO' AND ([LOCID] = 'MW-02' OR [LOCID] = 'MW-03' OR [LOCID] = 'MW-08' OR [LOCID] = 'MW-09' OR [LOCID] LIKE 'SB-*' OR [LOCID] = 'SS-03' OR [LOCID] = 'SS-04' OR [LOCID] = 'SS-05') AND NOT ([SED] = '0.167' OR [SED] = '0.5' OR [SED] = '1.5' OR [SED] = '2');

TABLE 4-20
SUMMARY OF DETECTED ANALYTES IN OFF-SITE SURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					HA-06	HA-07	HA-08	HA-09	HA-10
Sample ID					HA-6S (0-2")	HA-7S (0-2")	HA-8S (0-2")	HA-9S (0-2")	HA-10S (0-2")
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					0.0-0.2	0.0-0.2	0.0-0.2	0.0-0.2	0.0-0.2
Date Sampled					04/29/14	04/29/14	04/29/14	04/29/14	04/29/14
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Volatile Organic Compounds									
Xylene (total)	MG/KG	0.26	1.6	100	0.0040 J	0.0030 J	0.0030 J		
Semivolatile Organic Compounds									
Benzo(a)anthracene	MG/KG	1	1	1					0.093 J
Benzo(a)pyrene	MG/KG	1	22	1					0.092 J
Benzo(b)fluoranthene	MG/KG	1	1.7	1					0.16 J
Benzo(k)fluoranthene	MG/KG	0.8	1.7	1					
bis(2-Ethylhexyl)phthalate	MG/KG	50	435	50					1.4
Chrysene	MG/KG	1	1	1			0.096 J		0.13 J
Di-n-octylphthalate	MG/KG	100	120	100					0.13 J
Fluoranthene	MG/KG	100	1000	100			0.12 J		0.22 J
Phenanthrene	MG/KG	100	1000	100					0.13 J
Pyrene	MG/KG	100	1000	100	0.089 J		0.14 J		0.21 J
Pesticide Organic Compounds									
4,4'-DDE	MG/KG	0.0033	17	1.8	0.0041 J				0.010
4,4'-DDT	MG/KG	0.0033	136	1.7					0.0066
beta-BHC	MG/KG	0.036	0.09	0.072				0.0076	
Dieldrin	MG/KG	0.005	0.1	0.039			0.0037 NJ	0.0045 NJ	
gamma-BHC (Lindane)	MG/KG	0.1	0.1	0.28				0.010 NJ	

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - not detected.

J - The reported concentration is an estimated value.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 4-20
SUMMARY OF DETECTED ANALYTES IN OFF-SITE SURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					HA-06	HA-07	HA-08	HA-09	HA-10
Sample ID					HA-6S (0-2")	HA-7S (0-2")	HA-8S (0-2")	HA-9S (0-2")	HA-10S (0-2")
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					0.0-0.2	0.0-0.2	0.0-0.2	0.0-0.2	0.0-0.2
Date Sampled					04/29/14	04/29/14	04/29/14	04/29/14	04/29/14
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Herbicides									
2,4-DB	MG/KG	-	-	-	0.014 NJ	0.0076 J			
Dicamba	MG/KG	-	-	-	0.0023 J				
Metals									
Aluminum	MG/KG	10000	-	-	7,160	6,160	7,450	7,260	9,180
Antimony	MG/KG	12	-	-	0.28 J		0.43 J	0.32 J	0.37 J
Arsenic	MG/KG	13	16	16	2.6	2.5 J	3.2	1.8	5.5
Barium	MG/KG	350	820	350	42.5	42.1	52.3	34.3	104
Beryllium	MG/KG	7.2	47	14					0.50 J
Cadmium	MG/KG	2.5	7.5	2.5					
Calcium	MG/KG	10000	-	-	2,730	2,660	2,700	2,320	16,500
Chromium	MG/KG	30	NS	36	30.2	11.5	15.8	7.9	19.5
Cobalt	MG/KG	20	-	30					7.8
Copper	MG/KG	50	1720	270	11.6	10.1	11.9	8.9	53.5
Iron	MG/KG	2000	-	2000	9,640	9,650	9,880	8,810	18,200
Lead	MG/KG	63	450	400	76.9	100	91.1	44.2	119
Magnesium	MG/KG	-	-	-	1,450	1,310	1,250	1,180	2,540
Manganese	MG/KG	1600	2000	2000	188	179	64.1	91.6	605
Mercury	MG/KG	0.18	0.73	0.81					0.15
Nickel	MG/KG	30	130	140		5.6	5.8		9.8

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - not detected.

J - The reported concentration is an estimated value.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 4-20
SUMMARY OF DETECTED ANALYTES IN OFF-SITE SURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					HA-06	HA-07	HA-08	HA-09	HA-10
Sample ID					HA-6S (0-2")	HA-7S (0-2")	HA-8S (0-2")	HA-9S (0-2")	HA-10S (0-2")
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					0.0-0.2	0.0-0.2	0.0-0.2	0.0-0.2	0.0-0.2
Date Sampled					04/29/14	04/29/14	04/29/14	04/29/14	04/29/14
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Metals									
Potassium	MG/KG	-	-	-					1,000
Selenium	MG/KG	3.9	4	36	1.6		1.6	1.6	2.6
Silver	MG/KG	2	8.3	36					2.0
Sodium	MG/KG	-	-	-					899
Vanadium	MG/KG	39	-	100	15.2	14.5	17.2	11.7	26.8
Zinc	MG/KG	109	2480	2200	66.9	76.7	97.7	89.4	178

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - not detected.

J - The reported concentration is an estimated value.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 4-20
SUMMARY OF DETECTED ANALYTES IN OFF-SITE SURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					HA-11
Sample ID					HA-11S(0-2")
Matrix					Soil
Depth Interval (ft)					0.0-0.2
Date Sampled					04/29/14
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**	
Volatile Organic Compounds					
Xylene (total)	MG/KG	0.26	1.6	100	
Semivolatile Organic Compounds					
Benzo(a)anthracene	MG/KG	1	1	1	0.11 J
Benzo(a)pyrene	MG/KG	1	22	1	0.13 J
Benzo(b)fluoranthene	MG/KG	1	1.7	1	0.20 J
Benzo(k)fluoranthene	MG/KG	0.8	1.7	1	0.098 J
bis(2-Ethylhexyl)phthalate	MG/KG	50	435	50	
Chrysene	MG/KG	1	1	1	0.17 J
Di-n-octylphthalate	MG/KG	100	120	100	
Fluoranthene	MG/KG	100	1000	100	0.23 J
Phenanthrene	MG/KG	100	1000	100	0.12 J
Pyrene	MG/KG	100	1000	100	0.26 J
Pesticide Organic Compounds					
4,4'-DDE	MG/KG	0.0033	17	1.8	0.0024 J
4,4'-DDT	MG/KG	0.0033	136	1.7	
beta-BHC	MG/KG	0.036	0.09	0.072	
Dieldrin	MG/KG	0.005	0.1	0.039	0.0031 J
gamma-BHC (Lindane)	MG/KG	0.1	0.1	0.28	

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - not detected.

J - The reported concentration is an estimated value.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 4-20
SUMMARY OF DETECTED ANALYTES IN OFF-SITE SURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					HA-11
Sample ID					HA-11S(0-2")
Matrix					Soil
Depth Interval (ft)					0.0-0.2
Date Sampled					04/29/14
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**	
Herbicides					
2,4-DB	MG/KG	-	-	-	
Dicamba	MG/KG	-	-	-	
Metals					
Aluminum	MG/KG	10000	-	-	7,080
Antimony	MG/KG	12	-	-	0.26 J
Arsenic	MG/KG	13	16	16	5.1
Barium	MG/KG	350	820	350	75.5
Beryllium	MG/KG	7.2	47	14	0.38 J
Cadmium	MG/KG	2.5	7.5	2.5	0.34 J
Calcium	MG/KG	10000	-	-	25,900
Chromium	MG/KG	30	NS	36	15.9
Cobalt	MG/KG	20	-	30	5.5 J
Copper	MG/KG	50	1720	270	16.6
Iron	MG/KG	2000	-	2000	13,300
Lead	MG/KG	63	450	400	122
Magnesium	MG/KG	-	-	-	13,100
Manganese	MG/KG	1600	2000	2000	310
Mercury	MG/KG	0.18	0.73	0.81	
Nickel	MG/KG	30	130	140	7.6

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - not detected.

J - The reported concentration is an estimated value.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 4-20
SUMMARY OF DETECTED ANALYTES IN OFF-SITE SURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					HA-11
Sample ID					HA-11S(0-2")
Matrix					Soil
Depth Interval (ft)					0.0-0.2
Date Sampled					04/29/14
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**	
Metals					
Potassium	MG/KG	-	-	-	813
Selenium	MG/KG	3.9	4	36	1.7
Silver	MG/KG	2	8.3	36	1.4
Sodium	MG/KG	-	-	-	
Vanadium	MG/KG	39	-	100	20.2
Zinc	MG/KG	109	2480	2200	145

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - not detected.

J - The reported concentration is an estimated value.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 4-21
STATISTICAL SUMMARY OF DETECTED ANALYTES IN OFF-SITE SURFACE SOILS
UNRESTRICTED USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Volatile Organic Compounds										
Xylene (total)	MG/KG	0.26	6	3	0.003	0.004	0.003	0	HA-06	0-0.167
Semivolatile Organic Compounds										
Benzo(a)anthracene	MG/KG	1	6	2	0.093	0.110	0.102	0	HA-11	0-0.167
Benzo(a)pyrene	MG/KG	1	6	2	0.092	0.130	0.111	0	HA-11	0-0.167
Benzo(b)fluoranthene	MG/KG	1	6	2	0.160	0.200	0.180	0	HA-11	0-0.167
Benzo(k)fluoranthene	MG/KG	0.8	6	1	0.098	0.098	0.098	0	HA-11	0-0.167
bis(2-Ethylhexyl)phthalate	MG/KG	50	6	1	1.40	1.40	1.40	0	HA-10	0-0.167
Chrysene	MG/KG	1	6	3	0.096	0.170	0.132	0	HA-11	0-0.167
Di-n-octylphthalate	MG/KG	100	6	1	0.130	0.130	0.130	0	HA-10	0-0.167
Fluoranthene	MG/KG	100	6	3	0.120	0.230	0.190	0	HA-11	0-0.167
Phenanthrene	MG/KG	100	6	2	0.120	0.130	0.125	0	HA-10	0-0.167
Pyrene	MG/KG	100	6	4	0.089	0.260	0.175	0	HA-11	0-0.167
Pesticide Organic Compounds										
4,4'-DDE	MG/KG	0.0033	6	3	0.002	0.010	0.006	2	HA-10	0-0.167
4,4'-DDT	MG/KG	0.0033	6	1	0.007	0.007	0.007	1	HA-10	0-0.167
beta-BHC	MG/KG	0.036	6	1	0.008	0.008	0.008	0	HA-09	0-0.167
Dieldrin	MG/KG	0.005	6	3	0.003	0.005	0.004	0	HA-09	0-0.167

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Concentration Exceeds Criteria

Only Detected Results Reported.

TABLE 4-21
STATISTICAL SUMMARY OF DETECTED ANALYTES IN OFF-SITE SURFACE SOILS
UNRESTRICTED USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Pesticide Organic Compounds										
gamma-BHC (Lindane)	MG/KG	0.1	6	1	0.010	0.010	0.010	0	HA-09	0-0.167
Herbicides										
2,4-DB	MG/KG	-	6	2	0.008	0.014	0.011	0	HA-06	0-0.167
Dicamba	MG/KG	-	6	1	0.002	0.002	0.002	0	HA-06	0-0.167
Metals										
Aluminum	MG/KG	10000	6	6	6,160	9,180	7,382	0	HA-10	0-0.167
Antimony	MG/KG	12	6	5	0.260	0.430	0.332	0	HA-08	0-0.167
Arsenic	MG/KG	13	6	6	1.80	5.50	3.45	0	HA-10	0-0.167
Barium	MG/KG	350	6	6	34.30	104.0	58.45	0	HA-10	0-0.167
Beryllium	MG/KG	7.2	6	2	0.380	0.500	0.440	0	HA-10	0-0.167
Cadmium	MG/KG	2.5	6	1	0.340	0.340	0.340	0	HA-11	0-0.167
Calcium	MG/KG	10000	6	6	2,320	2.59E+04	8,802	2	HA-11	0-0.167
Chromium	MG/KG	30	6	6	7.90	30.20	16.80	1	HA-06	0-0.167
Cobalt	MG/KG	20	6	2	5.50	7.80	6.65	0	HA-10	0-0.167
Copper	MG/KG	50	6	6	8.90	53.50	18.77	1	HA-10	0-0.167
Iron	MG/KG	2000	6	6	8,810	1.82E+04	1.16E+04	6	HA-10	0-0.167
Lead	MG/KG	63	6	6	44.20	122.0	92.20	5	HA-11	0-0.167

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Concentration Exceeds Criteria

Only Detected Results Reported.

TABLE 4-21
STATISTICAL SUMMARY OF DETECTED ANALYTES IN OFF-SITE SURFACE SOILS
UNRESTRICTED USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Metals										
Magnesium	MG/KG	-	6	6	1,180	1.31E+04	3,472	0	HA-11	0-0.167
Manganese	MG/KG	1600	6	6	64.10	605.0	239.6	0	HA-10	0-0.167
Mercury	MG/KG	0.18	6	1	0.150	0.150	0.150	0	HA-10	0-0.167
Nickel	MG/KG	30	6	4	5.60	9.80	7.20	0	HA-10	0-0.167
Potassium	MG/KG	-	6	2	813.0	1,000	906.5	0	HA-10	0-0.167
Selenium	MG/KG	3.9	6	5	1.60	2.60	1.82	0	HA-10	0-0.167
Silver	MG/KG	2	6	2	1.40	2.00	1.70	1	HA-10	0-0.167
Sodium	MG/KG	-	6	1	899.0	899.0	899.0	0	HA-10	0-0.167
Vanadium	MG/KG	39	6	6	11.70	26.80	17.60	0	HA-10	0-0.167
Zinc	MG/KG	109	6	6	66.90	178.0	109.0	2	HA-10	0-0.167

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Concentration Exceeds Criteria

Only Detected Results Reported.

Advanced Selection: Off Site Surface
J:\Projects\1117689\2\DB\Stat.mde
Printed: 8/20/2014 3:40:15 PM
WHERE [MATRIX] = 'SO' AND ([LOCID] = 'MW-04' OR [LOCID] = 'MW-05' OR [LOCID] = 'MW-06' OR [LOCID] = 'MW-10' OR [LOCID] LIKE 'HA-*') AND ([SED] = '0.167');

TABLE 4-22
STATISTICAL SUMMARY OF DETECTED ANALYTES IN OFF-SITE SURFACE SOILS
PROTECTION OF GROUNDWATER CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Volatile Organic Compounds										
Xylene (total)	MG/KG	1.6	6	3	0.003	0.004	0.003	0	HA-06	0-0.167
Semivolatile Organic Compounds										
Benzo(a)anthracene	MG/KG	1	6	2	0.093	0.110	0.102	0	HA-11	0-0.167
Benzo(a)pyrene	MG/KG	22	6	2	0.092	0.130	0.111	0	HA-11	0-0.167
Benzo(b)fluoranthene	MG/KG	1.7	6	2	0.160	0.200	0.180	0	HA-11	0-0.167
Benzo(k)fluoranthene	MG/KG	1.7	6	1	0.098	0.098	0.098	0	HA-11	0-0.167
bis(2-Ethylhexyl)phthalate	MG/KG	435	6	1	1.40	1.40	1.40	0	HA-10	0-0.167
Chrysene	MG/KG	1	6	3	0.096	0.170	0.132	0	HA-11	0-0.167
Di-n-octylphthalate	MG/KG	120	6	1	0.130	0.130	0.130	0	HA-10	0-0.167
Fluoranthene	MG/KG	1000	6	3	0.120	0.230	0.190	0	HA-11	0-0.167
Phenanthrene	MG/KG	1000	6	2	0.120	0.130	0.125	0	HA-10	0-0.167
Pyrene	MG/KG	1000	6	4	0.089	0.260	0.175	0	HA-11	0-0.167
Pesticide Organic Compounds										
4,4'-DDE	MG/KG	17	6	3	0.002	0.010	0.006	0	HA-10	0-0.167
4,4'-DDT	MG/KG	136	6	1	0.007	0.007	0.007	0	HA-10	0-0.167
beta-BHC	MG/KG	0.09	6	1	0.008	0.008	0.008	0	HA-09	0-0.167
Dieldrin	MG/KG	0.1	6	3	0.003	0.005	0.004	0	HA-09	0-0.167

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.


Concentration Exceeds Criteria

Only Detected Results Reported.

TABLE 4-22
STATISTICAL SUMMARY OF DETECTED ANALYTES IN OFF-SITE SURFACE SOILS
PROTECTION OF GROUNDWATER CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Pesticide Organic Compounds										
gamma-BHC (Lindane)	MG/KG	0.1	6	1	0.010	0.010	0.010	0	HA-09	0-0.167
Herbicides										
2,4-DB	MG/KG	-	6	2	0.008	0.014	0.011	0	HA-06	0-0.167
Dicamba	MG/KG	-	6	1	0.002	0.002	0.002	0	HA-06	0-0.167
Metals										
Aluminum	MG/KG	-	6	6	6,160	9,180	7,382	0	HA-10	0-0.167
Antimony	MG/KG	-	6	5	0.260	0.430	0.332	0	HA-08	0-0.167
Arsenic	MG/KG	16	6	6	1.80	5.50	3.45	0	HA-10	0-0.167
Barium	MG/KG	820	6	6	34.30	104.0	58.45	0	HA-10	0-0.167
Beryllium	MG/KG	47	6	2	0.380	0.500	0.440	0	HA-10	0-0.167
Cadmium	MG/KG	7.5	6	1	0.340	0.340	0.340	0	HA-11	0-0.167
Calcium	MG/KG	-	6	6	2,320	2.59E+04	8,802	0	HA-11	0-0.167
Chromium	MG/KG	NS	6	6	7.90	30.20	16.80	0	HA-06	0-0.167
Cobalt	MG/KG	-	6	2	5.50	7.80	6.65	0	HA-10	0-0.167
Copper	MG/KG	1720	6	6	8.90	53.50	18.77	0	HA-10	0-0.167
Iron	MG/KG	-	6	6	8,810	1.82E+04	1.16E+04	0	HA-10	0-0.167
Lead	MG/KG	450	6	6	44.20	122.0	92.20	0	HA-11	0-0.167

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Concentration Exceeds Criteria

Only Detected Results Reported.

TABLE 4-22
STATISTICAL SUMMARY OF DETECTED ANALYTES IN OFF-SITE SURFACE SOILS
PROTECTION OF GROUNDWATER CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Metals										
Magnesium	MG/KG	-	6	6	1,180	1.31E+04	3,472	0	HA-11	0-0.167
Manganese	MG/KG	2000	6	6	64.10	605.0	239.6	0	HA-10	0-0.167
Mercury	MG/KG	0.73	6	1	0.150	0.150	0.150	0	HA-10	0-0.167
Nickel	MG/KG	130	6	4	5.60	9.80	7.20	0	HA-10	0-0.167
Potassium	MG/KG	-	6	2	813.0	1,000	906.5	0	HA-10	0-0.167
Selenium	MG/KG	4	6	5	1.60	2.60	1.82	0	HA-10	0-0.167
Silver	MG/KG	8.3	6	2	1.40	2.00	1.70	0	HA-10	0-0.167
Sodium	MG/KG	-	6	1	899.0	899.0	899.0	0	HA-10	0-0.167
Vanadium	MG/KG	-	6	6	11.70	26.80	17.60	0	HA-10	0-0.167
Zinc	MG/KG	2480	6	6	66.90	178.0	109.0	0	HA-10	0-0.167

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Concentration Exceeds Criteria

Only Detected Results Reported.

TABLE 4-23
STATISTICAL SUMMARY OF DETECTED ANALYTES IN OFF-SITE SURFACE SOILS
RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Volatile Organic Compounds										
Xylene (total)	MG/KG	100	6	3	0.003	0.004	0.003	0	HA-06	0-0.167
Semivolatile Organic Compounds										
Benzo(a)anthracene	MG/KG	1	6	2	0.093	0.110	0.102	0	HA-11	0-0.167
Benzo(a)pyrene	MG/KG	1	6	2	0.092	0.130	0.111	0	HA-11	0-0.167
Benzo(b)fluoranthene	MG/KG	1	6	2	0.160	0.200	0.180	0	HA-11	0-0.167
Benzo(k)fluoranthene	MG/KG	1	6	1	0.098	0.098	0.098	0	HA-11	0-0.167
bis(2-Ethylhexyl)phthalate	MG/KG	50	6	1	1.40	1.40	1.40	0	HA-10	0-0.167
Chrysene	MG/KG	1	6	3	0.096	0.170	0.132	0	HA-11	0-0.167
Di-n-octylphthalate	MG/KG	100	6	1	0.130	0.130	0.130	0	HA-10	0-0.167
Fluoranthene	MG/KG	100	6	3	0.120	0.230	0.190	0	HA-11	0-0.167
Phenanthrene	MG/KG	100	6	2	0.120	0.130	0.125	0	HA-10	0-0.167
Pyrene	MG/KG	100	6	4	0.089	0.260	0.175	0	HA-11	0-0.167
Pesticide Organic Compounds										
4,4'-DDE	MG/KG	1.8	6	3	0.002	0.010	0.006	0	HA-10	0-0.167
4,4'-DDT	MG/KG	1.7	6	1	0.007	0.007	0.007	0	HA-10	0-0.167
beta-BHC	MG/KG	0.072	6	1	0.008	0.008	0.008	0	HA-09	0-0.167
Dieldrin	MG/KG	0.039	6	3	0.003	0.005	0.004	0	HA-09	0-0.167

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Concentration Exceeds Criteria

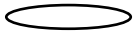
Only Detected Results Reported.

Advanced Selection: Off Site Surface
J:\Projects\1176892\DB\Stat.mde
Printed: 8/20/2014 3:42:09 PM
WHERE [MATRIX] = 'SO' AND ([LOCID] = 'MW-04' OR [LOCID] = 'MW-05' OR [LOCID] = 'MW-06' OR [LOCID] = 'MW-10' OR [LOCID] LIKE 'HA-*') AND ([SED] = '0.167');

TABLE 4-23
STATISTICAL SUMMARY OF DETECTED ANALYTES IN OFF-SITE SURFACE SOILS
RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Pesticide Organic Compounds										
gamma-BHC (Lindane)	MG/KG	0.28	6	1	0.010	0.010	0.010	0	HA-09	0-0.167
Herbicides										
2,4-DB	MG/KG	-	6	2	0.008	0.014	0.011	0	HA-06	0-0.167
Dicamba	MG/KG	-	6	1	0.002	0.002	0.002	0	HA-06	0-0.167
Metals										
Aluminum	MG/KG	-	6	6	6,160	9,180	7,382	0	HA-10	0-0.167
Antimony	MG/KG	-	6	5	0.260	0.430	0.332	0	HA-08	0-0.167
Arsenic	MG/KG	16	6	6	1.80	5.50	3.45	0	HA-10	0-0.167
Barium	MG/KG	350	6	6	34.30	104.0	58.45	0	HA-10	0-0.167
Beryllium	MG/KG	14	6	2	0.380	0.500	0.440	0	HA-10	0-0.167
Cadmium	MG/KG	2.5	6	1	0.340	0.340	0.340	0	HA-11	0-0.167
Calcium	MG/KG	-	6	6	2,320	2.59E+04	8,802	0	HA-11	0-0.167
Chromium	MG/KG	36	6	6	7.90	30.20	16.80	0	HA-06	0-0.167
Cobalt	MG/KG	30	6	2	5.50	7.80	6.65	0	HA-10	0-0.167
Copper	MG/KG	270	6	6	8.90	53.50	18.77	0	HA-10	0-0.167
Iron	MG/KG	2000	6	6	8,810	1.82E+04	1.16E+04	6	HA-10	0-0.167
Lead	MG/KG	400	6	6	44.20	122.0	92.20	0	HA-11	0-0.167

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.


Concentration Exceeds Criteria

Only Detected Results Reported.

Advanced Selection: Off Site Surface
J:\Projects\1176892\DB\Stat.mde
Printed: 8/20/2014 3:42:09 PM
WHERE [MATRIX] = 'SO' AND ([LOCID] = 'MW-04' OR [LOCID] = 'MW-05' OR [LOCID] = 'MW-06' OR [LOCID] = 'MW-10' OR [LOCID] LIKE 'HA-*') AND ([SED] = '0.167');

TABLE 4-23
STATISTICAL SUMMARY OF DETECTED ANALYTES IN OFF-SITE SURFACE SOILS
RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Metals										
Magnesium	MG/KG	-	6	6	1,180	1.31E+04	3,472	0	HA-11	0-0.167
Manganese	MG/KG	2000	6	6	64.10	605.0	239.6	0	HA-10	0-0.167
Mercury	MG/KG	0.81	6	1	0.150	0.150	0.150	0	HA-10	0-0.167
Nickel	MG/KG	140	6	4	5.60	9.80	7.20	0	HA-10	0-0.167
Potassium	MG/KG	-	6	2	813.0	1,000	906.5	0	HA-10	0-0.167
Selenium	MG/KG	36	6	5	1.60	2.60	1.82	0	HA-10	0-0.167
Silver	MG/KG	36	6	2	1.40	2.00	1.70	0	HA-10	0-0.167
Sodium	MG/KG	-	6	1	899.0	899.0	899.0	0	HA-10	0-0.167
Vanadium	MG/KG	100	6	6	11.70	26.80	17.60	0	HA-10	0-0.167
Zinc	MG/KG	2200	6	6	66.90	178.0	109.0	0	HA-10	0-0.167

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Concentration Exceeds Criteria

Only Detected Results Reported.

TABLE 4-24
SUMMARY OF DETECTED ANALYTES IN OFF-SITE SHALLOW SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					HA-01	HA-02	HA-03	HA-03	HA-04
Sample ID					HA-1 (1-2)	HA-2 (1.5-2)	HA-3 (1-1.5)	HA-3 (1-1.5) DUP	HA-4 (1-1.5)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					1.0-2.0	1.5-2.0	1.0-1.5	1.0-1.5	1.0-1.5
Date Sampled					05/14/13	05/14/13	05/23/13	05/23/13	05/23/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**				Field Duplicate (1-1)	
Volatile Organic Compounds									
Acetone	MG/KG	0.05	0.05	100					
Benzene	MG/KG	0.06	0.06	2.9					
Carbon disulfide	MG/KG	2.7	2.7	100					
Ethylbenzene	MG/KG	1	1	30					
Isopropylbenzene (Cumene)	MG/KG	2.3	2.3	100					
Methyl acetate	MG/KG	-	-	-					
Methyl ethyl ketone (2-Butanone)	MG/KG	0.12	0.12	-					
Toluene	MG/KG	0.7	0.7	100					
Xylene (total)	MG/KG	0.26	1.6	100					
Semivolatile Organic Compounds									
1,1-Biphenyl	MG/KG	60	-	-					
2-Methylnaphthalene	MG/KG	0.41	36.4	0.41					
Acenaphthene	MG/KG	20	98	100					
Acenaphthylene	MG/KG	100	107	100					
Anthracene	MG/KG	100	1000	100					
Benzo(a)anthracene	MG/KG	1	1	1	0.11 J				
Benzo(a)pyrene	MG/KG	1	22	1	0.13 J				
Benzo(b)fluoranthene	MG/KG	1	1.7	1	0.22 J	0.093 J			
Benzo(g,h,i)perylene	MG/KG	100	1000	100	0.095 J				

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - not detected.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-24
SUMMARY OF DETECTED ANALYTES IN OFF-SITE SHALLOW SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					HA-01	HA-02	HA-03	HA-03	HA-04
Sample ID					HA-1 (1-2)	HA-2 (1.5-2)	HA-3 (1-1.5)	HA-3 (1-1.5) DUP	HA-4 (1-1.5)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					1.0-2.0	1.5-2.0	1.0-1.5	1.0-1.5	1.0-1.5
Date Sampled					05/14/13	05/14/13	05/23/13	05/23/13	05/23/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**				Field Duplicate (1-1)	
Semivolatile Organic Compounds									
Benzo(k)fluoranthene	MG/KG	0.8	1.7	1					
bis(2-Ethylhexyl)phthalate	MG/KG	50	435	50		0.19 J			
Carbazole	MG/KG	-	-	-	0.17 J				
Chrysene	MG/KG	1	1	1	0.20 J	0.092 J			
Dibenz(a,h)anthracene	MG/KG	0.33	1000	0.33					
Dibenzofuran	MG/KG	7	210	14					
Di-n-butylphthalate	MG/KG	0.014	8.1	100					
Fluoranthene	MG/KG	100	1000	100	0.37 J	0.15 J			
Fluorene	MG/KG	30	386	100					
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	8.2	0.5	0.086 J				
Naphthalene	MG/KG	12	12	100					
Phenanthrene	MG/KG	100	1000	100	0.32 J	0.098 J			
Pyrene	MG/KG	100	1000	100	0.34 J	0.14 J			
Pesticide Organic Compounds									
4,4'-DDD	MG/KG	0.0033	14	2.6					
4,4'-DDE	MG/KG	0.0033	17	1.8		0.0032			
4,4'-DDT	MG/KG	0.0033	136	1.7	0.025 J	0.0099			
beta-BHC	MG/KG	0.036	0.09	0.072					
delta-BHC	MG/KG	0.04	0.25	100	0.0014 NJ				

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - not detected.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-24
SUMMARY OF DETECTED ANALYTES IN OFF-SITE SHALLOW SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					HA-01	HA-02	HA-03	HA-03	HA-04
Sample ID					HA-1 (1-2)	HA-2 (1.5-2)	HA-3 (1-1.5)	HA-3 (1-1.5) DUP	HA-4 (1-1.5)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					1.0-2.0	1.5-2.0	1.0-1.5	1.0-1.5	1.0-1.5
Date Sampled					05/14/13	05/14/13	05/23/13	05/23/13	05/23/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**				Field Duplicate (1-1)	
Pesticide Organic Compounds									
Dieldrin	MG/KG	0.005	0.1	0.039	0.15 DJ	0.016	0.033 J	0.018	0.0026 NJ
Endosulfan sulfate	MG/KG	2.4	1000	4.8	0.010 J				
Endrin	MG/KG	0.014	0.06	2.2	0.0053 NJ				
Endrin ketone	MG/KG	-	-	-	0.012 J				
gamma-BHC (Lindane)	MG/KG	0.1	0.1	0.28		0.0019 J			
Heptachlor	MG/KG	0.042	0.38	0.42	0.0014 J				
Methoxychlor	MG/KG	1.2	900	100	0.083				
Herbicides									
2,4,5-T	MG/KG	1.9	1.9	100	0.007				
2,4-DB	MG/KG	-	-	-	0.0081 J				
Dinoseb	MG/KG	-	-	-					
Metals									
Aluminum	MG/KG	10000	-	-	7,720	7,060	7,200	7,070	4,560
Antimony	MG/KG	12	-	-					
Arsenic	MG/KG	13	16	16	3.4	5.7	7.0 J	13.4 J	3.9
Barium	MG/KG	350	820	350	44.8	59.4	77.4	75.9	38.4
Beryllium	MG/KG	7.2	47	14	0.22 J	0.22 J	0.32 J	0.47 J	0.21 J
Calcium	MG/KG	10000	-	-	2,410	3,370	5,940	3,780	2,650
Chromium	MG/KG	30	NS	36	13.8	12.2	13.4	19.8	13.3

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - not detected.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-24
SUMMARY OF DETECTED ANALYTES IN OFF-SITE SHALLOW SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					HA-01	HA-02	HA-03	HA-03	HA-04
Sample ID					HA-1 (1-2)	HA-2 (1.5-2)	HA-3 (1-1.5)	HA-3 (1-1.5) DUP	HA-4 (1-1.5)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					1.0-2.0	1.5-2.0	1.0-1.5	1.0-1.5	1.0-1.5
Date Sampled					05/14/13	05/14/13	05/23/13	05/23/13	05/23/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**				Field Duplicate (1-1)	
Metals									
Cobalt	MG/KG	20	-	30	4.4 J	4.5 J	5.2 J	11.0	3.4 J
Copper	MG/KG	50	1720	270	11.4 J	18.4 J	18.7	23.1	9.5
Iron	MG/KG	2000	-	2000	11,800	11,400	12,400 J	26,600 J	9,430
Lead	MG/KG	63	450	400	141	179	196 J	103 J	58.0
Magnesium	MG/KG	-	-	-	1,430	1,470	2,830	1,950	1,520
Manganese	MG/KG	1600	2000	2000	190	199	219 J	615 J	151 J
Mercury	MG/KG	0.18	0.73	0.81	0.071	0.13	0.17	0.17	0.059
Nickel	MG/KG	30	130	140	6.4	6.9	7.2 J	13.5 J	4.8
Potassium	MG/KG	-	-	-				759	
Selenium	MG/KG	3.9	4	36					
Silver	MG/KG	2	8.3	36					
Sodium	MG/KG	-	-	-	40.5 J	78.4 J			
Thallium	MG/KG	5	-	-		0.26 J			
Vanadium	MG/KG	39	-	100	17.1	17.1	17.2	22.8	12.0
Zinc	MG/KG	109	2480	2200	192 J	310 J	211	189	63.7

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - not detected.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-24
SUMMARY OF DETECTED ANALYTES IN OFF-SITE SHALLOW SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					HA-05	HA-06	HA-07	HA-07	HA-08
Sample ID					HA-5 (1-1.5)	HA-6 (0-2')	HA-7 (0-2')	HA-DUP1	HA-8 (0-2')
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					1.0-1.5	0.0-2.0	0.0-2.0	0.0-2.0	0.0-2.0
Date Sampled					05/23/13	04/29/14	04/29/14	04/29/14	04/29/14
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**				Field Duplicate (1-1)	
Volatile Organic Compounds									
Acetone	MG/KG	0.05	0.05	100					
Benzene	MG/KG	0.06	0.06	2.9					
Carbon disulfide	MG/KG	2.7	2.7	100					
Ethylbenzene	MG/KG	1	1	30					
Isopropylbenzene (Cumene)	MG/KG	2.3	2.3	100					
Methyl acetate	MG/KG	-	-	-					
Methyl ethyl ketone (2-Butanone)	MG/KG	0.12	0.12	-					
Toluene	MG/KG	0.7	0.7	100					
Xylene (total)	MG/KG	0.26	1.6	100				0.0030 J	
Semivolatile Organic Compounds									
1,1-Biphenyl	MG/KG	60	-	-					
2-Methylnaphthalene	MG/KG	0.41	36.4	0.41					
Acenaphthene	MG/KG	20	98	100					
Acenaphthylene	MG/KG	100	107	100					
Anthracene	MG/KG	100	1000	100					
Benzo(a)anthracene	MG/KG	1	1	1	0.16 J				
Benzo(a)pyrene	MG/KG	1	22	1	0.14 J				
Benzo(b)fluoranthene	MG/KG	1	1.7	1	0.24 J				
Benzo(g,h,i)perylene	MG/KG	100	1000	100	0.11 J				

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - not detected.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

Advanced Selection: Off-Site Shallow
J:\Projects\11176892\DB\EDMS.mde
Printed: 8/20/2014 11:51:32 AM
[MATRIX] = 'SO' AND ([LOCID] = 'MW-04' OR [LOCID] = 'MW-05' OR [LOCID] = 'MW-06' OR [LOCID] = 'MW-10' OR [LOCID] LIKE 'HA-*') AND ([SED] = '0.5' OR [SED] = '1.5' OR [SED] = '2')

TABLE 4-24
SUMMARY OF DETECTED ANALYTES IN OFF-SITE SHALLOW SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					HA-05	HA-06	HA-07	HA-07	HA-08
Sample ID					HA-5 (1-1.5)	HA-6 (0-2')	HA-7 (0-2')	HA-DUP1	HA-8 (0-2')
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					1.0-1.5	0.0-2.0	0.0-2.0	0.0-2.0	0.0-2.0
Date Sampled					05/23/13	04/29/14	04/29/14	04/29/14	04/29/14
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**				Field Duplicate (1-1)	
Semivolatile Organic Compounds									
Benzo(k)fluoranthene	MG/KG	0.8	1.7	1	0.093 J				
bis(2-Ethylhexyl)phthalate	MG/KG	50	435	50					
Carbazole	MG/KG	-	-	-	0.17 J				
Chrysene	MG/KG	1	1	1	0.25 J				
Dibenz(a,h)anthracene	MG/KG	0.33	1000	0.33					
Dibenzofuran	MG/KG	7	210	14					
Di-n-butylphthalate	MG/KG	0.014	8.1	100					
Fluoranthene	MG/KG	100	1000	100	0.42				
Fluorene	MG/KG	30	386	100					
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	8.2	0.5	0.098 J				
Naphthalene	MG/KG	12	12	100					
Phenanthrene	MG/KG	100	1000	100	0.30 J				
Pyrene	MG/KG	100	1000	100	0.38 J				
Pesticide Organic Compounds									
4,4'-DDD	MG/KG	0.0033	14	2.6	0.0021 NJ				
4,4'-DDE	MG/KG	0.0033	17	1.8	0.0050 J	0.0056			
4,4'-DDT	MG/KG	0.0033	136	1.7	0.0021	0.0045			
beta-BHC	MG/KG	0.036	0.09	0.072				0.0024 J	
delta-BHC	MG/KG	0.04	0.25	100					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - not detected.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-24
SUMMARY OF DETECTED ANALYTES IN OFF-SITE SHALLOW SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					HA-05	HA-06	HA-07	HA-07	HA-08
Sample ID					HA-5 (1-1.5)	HA-6 (0-2')	HA-7 (0-2')	HA-DUP1	HA-8 (0-2')
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					1.0-1.5	0.0-2.0	0.0-2.0	0.0-2.0	0.0-2.0
Date Sampled					05/23/13	04/29/14	04/29/14	04/29/14	04/29/14
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**				Field Duplicate (1-1)	
Pesticide Organic Compounds									
Dieldrin	MG/KG	0.005	0.1	0.039	0.0052				0.0046
Endosulfan sulfate	MG/KG	2.4	1000	4.8					
Endrin	MG/KG	0.014	0.06	2.2					
Endrin ketone	MG/KG	-	-	-					
gamma-BHC (Lindane)	MG/KG	0.1	0.1	0.28					
Heptachlor	MG/KG	0.042	0.38	0.42					
Methoxychlor	MG/KG	1.2	900	100					
Herbicides									
2,4,5-T	MG/KG	1.9	1.9	100					
2,4-DB	MG/KG	-	-	-	0.016				
Dinoseb	MG/KG	-	-	-					
Metals									
Aluminum	MG/KG	10000	-	-	8,300	8,630	10,300	8,940	11,600
Antimony	MG/KG	12	-	-		0.37 J			
Arsenic	MG/KG	13	16	16	4.9	3.0	4.0	4.3	4.4
Barium	MG/KG	350	820	350	101	51.5	58.8	65.8	68.3
Beryllium	MG/KG	7.2	47	14	0.41 J				
Calcium	MG/KG	10000	-	-	4,370	3,040	3,380	3,320	3,880
Chromium	MG/KG	30	NS	36	16.1	23.8	19.3	17.5	19.1

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - not detected.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-24
SUMMARY OF DETECTED ANALYTES IN OFF-SITE SHALLOW SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					HA-05	HA-06	HA-07	HA-07	HA-08
Sample ID					HA-5 (1-1.5)	HA-6 (0-2')	HA-7 (0-2')	HA-DUP1	HA-8 (0-2')
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					1.0-1.5	0.0-2.0	0.0-2.0	0.0-2.0	0.0-2.0
Date Sampled					05/23/13	04/29/14	04/29/14	04/29/14	04/29/14
Parameter	Units	Criteria (1)	Criteria (2)	Criteria (3)				Field Duplicate (1-1)	
Metals									
Cobalt	MG/KG	20	-	30	6.0 J		8.3	6.7	9.1
Copper	MG/KG	50	1720	270	19.5	13.3	13.1	14.8	17.2
Iron	MG/KG	2000	-	2000	16,300	12,200	21,700	19,000	20,500
Lead	MG/KG	63	450	400	192	68.9	37.1 J	117 J	101
Magnesium	MG/KG	-	-	-	2,280	1,620	2,490	2,160	2,630
Manganese	MG/KG	1600	2000	2000	281 J	179	344	303	247
Mercury	MG/KG	0.18	0.73	0.81	0.11	0.040 J	0.034 J	0.050	0.082
Nickel	MG/KG	30	130	140	8.7	8.4	9.0	7.9	9.7
Potassium	MG/KG	-	-	-	867		1,030	1,080	1,170
Selenium	MG/KG	3.9	4	36		2.1	3.7	3.2	3.7
Silver	MG/KG	2	8.3	36		1.3	2.2	2.0	2.1
Sodium	MG/KG	-	-	-					
Thallium	MG/KG	5	-	-					
Vanadium	MG/KG	39	-	100	22.6	18.4	32.6	29.8	31.4
Zinc	MG/KG	109	2480	2200	199	125	54.1	70.7	146

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - not detected.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-24
SUMMARY OF DETECTED ANALYTES IN OFF-SITE SHALLOW SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					HA-09	HA-10	MW-10
Sample ID					HA-9 (0-2')	HA-10 (0-2')	MW-10 (0-2')
Matrix					Soil	Soil	Soil
Depth Interval (ft)					0.0-2.0	0.0-2.0	0.0-2.0
Date Sampled					04/29/14	04/29/14	04/29/14
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**			
Volatile Organic Compounds							
Acetone	MG/KG	0.05	0.05	100			0.22 DJ
Benzene	MG/KG	0.06	0.06	2.9			0.0040 J
Carbon disulfide	MG/KG	2.7	2.7	100			0.0020 J
Ethylbenzene	MG/KG	1	1	30			0.013
Isopropylbenzene (Cumene)	MG/KG	2.3	2.3	100			0.0070 J
Methyl acetate	MG/KG	-	-	-			0.0050 J
Methyl ethyl ketone (2-Butanone)	MG/KG	0.12	0.12	-			0.097 J
Toluene	MG/KG	0.7	0.7	100			0.0010 J
Xylene (total)	MG/KG	0.26	1.6	100			0.042
Semivolatile Organic Compounds							
1,1-Biphenyl	MG/KG	60	-	-	0.11 J		
2-Methylnaphthalene	MG/KG	0.41	36.4	0.41	0.41 J		
Acenaphthene	MG/KG	20	98	100	0.19 J		
Acenaphthylene	MG/KG	100	107	100	0.16 J		
Anthracene	MG/KG	100	1000	100	0.17 J		
Benzo(a)anthracene	MG/KG	1	1	1	1.3	0.39 J	0.10 J
Benzo(a)pyrene	MG/KG	1	22	1	1.6	0.42	0.093 J
Benzo(b)fluoranthene	MG/KG	1	1.7	1	2.7	0.65	0.17 J
Benzo(g,h,i)perylene	MG/KG	100	1000	100	0.64	0.19 J	

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - not detected.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-24
SUMMARY OF DETECTED ANALYTES IN OFF-SITE SHALLOW SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					HA-09	HA-10	MW-10
Sample ID					HA-9 (0-2')	HA-10 (0-2')	MW-10 (0-2')
Matrix					Soil	Soil	Soil
Depth Interval (ft)					0.0-2.0	0.0-2.0	0.0-2.0
Date Sampled					04/29/14	04/29/14	04/29/14
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**			
Semivolatile Organic Compounds							
Benzo(k)fluoranthene	MG/KG	0.8	1.7	1	1.2	0.28 J	
bis(2-Ethylhexyl)phthalate	MG/KG	50	435	50			
Carbazole	MG/KG	-	-	-	0.41 J		
Chrysene	MG/KG	1	1	1	3.1	0.51	0.15 J
Dibenz(a,h)anthracene	MG/KG	0.33	1000	0.33	0.22 J		
Dibenzofuran	MG/KG	7	210	14	0.49		
Di-n-butylphthalate	MG/KG	0.014	8.1	100		0.13 J	
Fluoranthene	MG/KG	100	1000	100	8.8 D	0.79	0.26 J
Fluorene	MG/KG	30	386	100	0.59		
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	8.2	0.5	0.71	0.18 J	
Naphthalene	MG/KG	12	12	100	0.48		0.30 J
Phenanthrene	MG/KG	100	1000	100	9.9 D	0.39 J	0.19 J
Pyrene	MG/KG	100	1000	100	8.6 D	0.83	0.26 J
Pesticide Organic Compounds							
4,4'-DDD	MG/KG	0.0033	14	2.6			0.0049
4,4'-DDE	MG/KG	0.0033	17	1.8		0.021 NJ	0.0091
4,4'-DDT	MG/KG	0.0033	136	1.7		0.014	
beta-BHC	MG/KG	0.036	0.09	0.072		0.0027 NJ	
delta-BHC	MG/KG	0.04	0.25	100			

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - not detected.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-24
SUMMARY OF DETECTED ANALYTES IN OFF-SITE SHALLOW SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					HA-09	HA-10	MW-10
Sample ID					HA-9 (0-2')	HA-10 (0-2')	MW-10 (0-2')
Matrix					Soil	Soil	Soil
Depth Interval (ft)					0.0-2.0	0.0-2.0	0.0-2.0
Date Sampled					04/29/14	04/29/14	04/29/14
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**			
Pesticide Organic Compounds							
Dieldrin	MG/KG	0.005	0.1	0.039	0.053		0.028
Endosulfan sulfate	MG/KG	2.4	1000	4.8			
Endrin	MG/KG	0.014	0.06	2.2			
Endrin ketone	MG/KG	-	-	-			
gamma-BHC (Lindane)	MG/KG	0.1	0.1	0.28			
Heptachlor	MG/KG	0.042	0.38	0.42			
Methoxychlor	MG/KG	1.2	900	100			
Herbicides							
2,4,5-T	MG/KG	1.9	1.9	100			
2,4-DB	MG/KG	-	-	-			
Dinoseb	MG/KG	-	-	-		0.0059	
Metals							
Aluminum	MG/KG	10000	-	-	9,410	6,760	8,720
Antimony	MG/KG	12	-	-		0.46 J	0.73 J
Arsenic	MG/KG	13	16	16	8.6	15.7 J+	6.0
Barium	MG/KG	350	820	350	155	77.3	189
Beryllium	MG/KG	7.2	47	14	0.52 J	0.38 J	0.33 J
Calcium	MG/KG	10000	-	-	4,140	16,400	6,110
Chromium	MG/KG	30	NS	36	18.2	60.0 J	17.7

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - not detected.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-24
SUMMARY OF DETECTED ANALYTES IN OFF-SITE SHALLOW SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					HA-09	HA-10	MW-10
Sample ID					HA-9 (0-2')	HA-10 (0-2')	MW-10 (0-2')
Matrix					Soil	Soil	Soil
Depth Interval (ft)					0.0-2.0	0.0-2.0	0.0-2.0
Date Sampled					04/29/14	04/29/14	04/29/14
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**			
Metals							
Cobalt	MG/KG	20	-	30	6.1	6.3	7.1
Copper	MG/KG	50	1720	270	40.1	35.8	64.0
Iron	MG/KG	2000	-	2000	17,100	13,700	18,400
Lead	MG/KG	63	450	400	355	193	678
Magnesium	MG/KG	-	-	-	1,980	6,940	3,490
Manganese	MG/KG	1600	2000	2000	267	267	437
Mercury	MG/KG	0.18	0.73	0.81	0.023 J	0.040 J	0.047
Nickel	MG/KG	30	130	140	8.9	10.1 J	10.3
Potassium	MG/KG	-	-	-	1,140	789	1,090
Selenium	MG/KG	3.9	4	36	2.9	2.5	4.1
Silver	MG/KG	2	8.3	36	1.9	1.5	2.3
Sodium	MG/KG	-	-	-		635	
Thallium	MG/KG	5	-	-			
Vanadium	MG/KG	39	-	100	25.5	19.1	23.3
Zinc	MG/KG	109	2480	2200	199	212	298

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - not detected.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-25
SUMMARY OF DETECTED ANALYTES IN OFF-SITE SHALLOW SOILS
SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID			HA-01	HA-02	HA-03	HA-03	HA-04
Sample ID			HA-1 (1-2)	HA-2 (1.5-2)	HA-3 (1-1.5)	HA-3 (1-1.5) DUP	HA-4 (1-1.5)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			1.0-2.0	1.5-2.0	1.0-1.5	1.0-1.5	1.0-1.5
Date Sampled			05/14/13	05/14/13	05/23/13	05/23/13	05/23/13
Parameter	**Units**	**Criteria***				Field Duplicate (1-1)	
Volatile Organic Compounds							
Acetone	MG/KG	-					
Benzene	MG/KG	-					
Carbon disulfide	MG/KG	-					
Ethylbenzene	MG/KG	-					
Isopropylbenzene (Cumene)	MG/KG	-					
Methyl acetate	MG/KG	-					
Methyl ethyl ketone (2-Butanone)	MG/KG	-					
Toluene	MG/KG	-					
Xylene (total)	MG/KG	-					
Semivolatile Organic Compounds							
1,1-Biphenyl	MG/KG	-					
2-Methylnaphthalene	MG/KG	-					
Acenaphthene	MG/KG	-					
Acenaphthylene	MG/KG	-					
Anthracene	MG/KG	-					
Benzo(a)anthracene	MG/KG	2.4	0.11 J				
Benzo(a)pyrene	MG/KG	3.5	0.13 J				
Benzo(b)fluoranthene	MG/KG	8	0.22 J	0.093 J			
Benzo(g,h,i)perylene	MG/KG	-	0.095 J				
Benzo(k)fluoranthene	MG/KG	1.7					
bis(2-Ethylhexyl)phthalate	MG/KG	-		0.19 J			
Carbazole	MG/KG	-	0.17 J				
Chrysene	MG/KG	4.2	0.20 J	0.092 J			
Dibenz(a,h)anthracene	MG/KG	0.56					

*Criteria- Background shallow soil concentrations from sample locations SS-01, SS-02, SS-06, MW-01 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

- - No standards,criteria or guidance values. Empty cell or ND - Not detected.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-25
SUMMARY OF DETECTED ANALYTES IN OFF-SITE SHALLOW SOILS
SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID			HA-01	HA-02	HA-03	HA-03	HA-04
Sample ID			HA-1 (1-2)	HA-2 (1.5-2)	HA-3 (1-1.5)	HA-3 (1-1.5) DUP	HA-4 (1-1.5)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			1.0-2.0	1.5-2.0	1.0-1.5	1.0-1.5	1.0-1.5
Date Sampled			05/14/13	05/14/13	05/23/13	05/23/13	05/23/13
Parameter	**Units**	**Criteria***				Field Duplicate (1-1)	
Semivolatile Organic Compounds							
Dibenzofuran	MG/KG	-					
Di-n-butylphthalate	MG/KG	-					
Fluoranthene	MG/KG	-	0.37 J	0.15 J			
Fluorene	MG/KG	-					
Indeno(1,2,3-cd)pyrene	MG/KG	1.7	0.086 J				
Naphthalene	MG/KG	-					
Phenanthrene	MG/KG	-	0.32 J	0.098 J			
Pyrene	MG/KG	-	0.34 J	0.14 J			
Pesticide Organic Compounds							
4,4'-DDD	MG/KG	-					
4,4'-DDE	MG/KG	-		0.0032			
4,4'-DDT	MG/KG	0.017	0.025 J	0.0099			
beta-BHC	MG/KG	-					
delta-BHC	MG/KG	-	0.0014 NJ				
Dieldrin	MG/KG	-	0.15 DJ	0.016	0.033 J	0.018	0.0026 NJ
Endosulfan sulfate	MG/KG	-	0.010 J				
Endrin	MG/KG	-	0.0053 NJ				
Endrin ketone	MG/KG	-	0.012 J				
gamma-BHC (Lindane)	MG/KG	-		0.0019 J			
Heptachlor	MG/KG	-	0.0014 J				
Methoxychlor	MG/KG	-	0.083				
Herbicides							
2,4,5-T	MG/KG	-	0.007				
2,4-DB	MG/KG	-	0.0081 J				

*Criteria- Background shallow soil concentrations from sample locations SS-01, SS-02, SS-06, MW-01 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

- - No standards,criteria or guidance values. Empty cell or ND - Not detected.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-25
SUMMARY OF DETECTED ANALYTES IN OFF-SITE SHALLOW SOILS
SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID			HA-01	HA-02	HA-03	HA-03	HA-04
Sample ID			HA-1 (1-2)	HA-2 (1.5-2)	HA-3 (1-1.5)	HA-3 (1-1.5) DUP	HA-4 (1-1.5)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			1.0-2.0	1.5-2.0	1.0-1.5	1.0-1.5	1.0-1.5
Date Sampled			05/14/13	05/14/13	05/23/13	05/23/13	05/23/13
Parameter	Units	Criteria*				Field Duplicate (1-1)	
Herbicides							
Dinoseb	MG/KG	-					
Metals							
Aluminum	MG/KG	-	7,720	7,060	7,200	7,070	4,560
Antimony	MG/KG	-					
Arsenic	MG/KG	-	3.4	5.7	7.0 J	13.4 J	3.9
Barium	MG/KG	-	44.8	59.4	77.4	75.9	38.4
Beryllium	MG/KG	-	0.22 J	0.22 J	0.32 J	0.47 J	0.21 J
Calcium	MG/KG	17900	2,410	3,370	5,940	3,780	2,650
Chromium	MG/KG	281	13.8	12.2	13.4	19.8	13.3
Cobalt	MG/KG	-	4.4 J	4.5 J	5.2 J	11.0	3.4 J
Copper	MG/KG	64.2	11.4 J	18.4 J	18.7	23.1	9.5
Iron	MG/KG	17500	11,800	11,400	12,400 J	26,600 J	9,430
Lead	MG/KG	118	141	179	196 J	103 J	58.0
Magnesium	MG/KG	-	1,430	1,470	2,830	1,950	1,520
Manganese	MG/KG	-	190	199	219 J	615 J	151 J
Mercury	MG/KG	0.2	0.071	0.13	0.17	0.17	0.059
Nickel	MG/KG	-	6.4	6.9	7.2 J	13.5 J	4.8
Potassium	MG/KG	-				759	
Selenium	MG/KG	-					
Silver	MG/KG	-					
Sodium	MG/KG	-	40.5 J	78.4 J			
Thallium	MG/KG	-		0.26 J			
Vanadium	MG/KG	-	17.1	17.1	17.2	22.8	12.0
Zinc	MG/KG	167	192 J	310 J	211	189	63.7

*Criteria- Background shallow soil concentrations from sample locations SS-01, SS-02, SS-06, MW-01 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

- - No standards,criteria or guidance values. Empty cell or ND - Not detected.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-25
SUMMARY OF DETECTED ANALYTES IN OFF-SITE SHALLOW SOILS
SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID			HA-05	HA-06	HA-07	HA-07	HA-08
Sample ID			HA-5 (1-1.5)	HA-6 (0-2')	HA-7 (0-2')	HA-DUP1	HA-8 (0-2')
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			1.0-1.5	0.0-2.0	0.0-2.0	0.0-2.0	0.0-2.0
Date Sampled			05/23/13	04/29/14	04/29/14	04/29/14	04/29/14
Parameter	**Units**	**Criteria***				Field Duplicate (1-1)	
Volatile Organic Compounds							
Acetone	MG/KG	-					
Benzene	MG/KG	-					
Carbon disulfide	MG/KG	-					
Ethylbenzene	MG/KG	-					
Isopropylbenzene (Cumene)	MG/KG	-					
Methyl acetate	MG/KG	-					
Methyl ethyl ketone (2-Butanone)	MG/KG	-					
Toluene	MG/KG	-					
Xylene (total)	MG/KG	-				0.0030 J	
Semivolatile Organic Compounds							
1,1-Biphenyl	MG/KG	-					
2-Methylnaphthalene	MG/KG	-					
Acenaphthene	MG/KG	-					
Acenaphthylene	MG/KG	-					
Anthracene	MG/KG	-					
Benzo(a)anthracene	MG/KG	2.4	0.16 J				
Benzo(a)pyrene	MG/KG	3.5	0.14 J				
Benzo(b)fluoranthene	MG/KG	8	0.24 J				
Benzo(g,h,i)perylene	MG/KG	-	0.11 J				
Benzo(k)fluoranthene	MG/KG	1.7	0.093 J				
bis(2-Ethylhexyl)phthalate	MG/KG	-					
Carbazole	MG/KG	-	0.17 J				
Chrysene	MG/KG	4.2	0.25 J				
Dibenz(a,h)anthracene	MG/KG	0.56					

*Criteria- Background shallow soil concentrations from sample locations SS-01, SS-02, SS-06, MW-01 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

- - No standards,criteria or guidance values. Empty cell or ND - Not detected.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-25
SUMMARY OF DETECTED ANALYTES IN OFF-SITE SHALLOW SOILS
SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID			HA-05	HA-06	HA-07	HA-07	HA-08
Sample ID			HA-5 (1-1.5)	HA-6 (0-2')	HA-7 (0-2')	HA-DUP1	HA-8 (0-2')
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			1.0-1.5	0.0-2.0	0.0-2.0	0.0-2.0	0.0-2.0
Date Sampled			05/23/13	04/29/14	04/29/14	04/29/14	04/29/14
Parameter	Units	Criteria*				Field Duplicate (1-1)	
Semivolatile Organic Compounds							
Dibenzofuran	MG/KG	-					
Di-n-butylphthalate	MG/KG	-					
Fluoranthene	MG/KG	-	0.42				
Fluorene	MG/KG	-					
Indeno(1,2,3-cd)pyrene	MG/KG	1.7	0.098 J				
Naphthalene	MG/KG	-					
Phenanthrene	MG/KG	-	0.30 J				
Pyrene	MG/KG	-	0.38 J				
Pesticide Organic Compounds							
4,4'-DDD	MG/KG	-	0.0021 NJ				
4,4'-DDE	MG/KG	-	0.0050 J	0.0056			
4,4'-DDT	MG/KG	0.017	0.0021	0.0045			
beta-BHC	MG/KG	-				0.0024 J	
delta-BHC	MG/KG	-					
Dieldrin	MG/KG	-	0.0052				0.0046
Endosulfan sulfate	MG/KG	-					
Endrin	MG/KG	-					
Endrin ketone	MG/KG	-					
gamma-BHC (Lindane)	MG/KG	-					
Heptachlor	MG/KG	-					
Methoxychlor	MG/KG	-					
Herbicides							
2,4,5-T	MG/KG	-					
2,4-DB	MG/KG	-	0.016				

*Criteria- Background shallow soil concentrations from sample locations SS-01, SS-02, SS-06, MW-01 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

- - No standards,criteria or guidance values. Empty cell or ND - Not detected.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-25
SUMMARY OF DETECTED ANALYTES IN OFF-SITE SHALLOW SOILS
SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID			HA-05	HA-06	HA-07	HA-07	HA-08
Sample ID			HA-5 (1-1.5)	HA-6 (0-2')	HA-7 (0-2')	HA-DUP1	HA-8 (0-2')
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			1.0-1.5	0.0-2.0	0.0-2.0	0.0-2.0	0.0-2.0
Date Sampled			05/23/13	04/29/14	04/29/14	04/29/14	04/29/14
Parameter	Units	Criteria*				Field Duplicate (1-1)	
Herbicides							
Dinoseb	MG/KG	-					
Metals							
Aluminum	MG/KG	-	8,300	8,630	10,300	8,940	11,600
Antimony	MG/KG	-		0.37 J			
Arsenic	MG/KG	-	4.9	3.0	4.0	4.3	4.4
Barium	MG/KG	-	101	51.5	58.8	65.8	68.3
Beryllium	MG/KG	-	0.41 J				
Calcium	MG/KG	17900	4,370	3,040	3,380	3,320	3,880
Chromium	MG/KG	281	16.1	23.8	19.3	17.5	19.1
Cobalt	MG/KG	-	6.0 J		8.3	6.7	9.1
Copper	MG/KG	64.2	19.5	13.3	13.1	14.8	17.2
Iron	MG/KG	17500	16,300	12,200	21,700	19,000	20,500
Lead	MG/KG	118	192	68.9	37.1 J	117 J	101
Magnesium	MG/KG	-	2,280	1,620	2,490	2,160	2,630
Manganese	MG/KG	-	281 J	179	344	303	247
Mercury	MG/KG	0.2	0.11	0.040 J	0.034 J	0.050	0.082
Nickel	MG/KG	-	8.7	8.4	9.0	7.9	9.7
Potassium	MG/KG	-	867		1,030	1,080	1,170
Selenium	MG/KG	-		2.1	3.7	3.2	3.7
Silver	MG/KG	-		1.3	2.2	2.0	2.1
Sodium	MG/KG	-					
Thallium	MG/KG	-					
Vanadium	MG/KG	-	22.6	18.4	32.6	29.8	31.4
Zinc	MG/KG	167	199	125	54.1	70.7	146

*Criteria- Background shallow soil concentrations from sample locations SS-01, SS-02, SS-06, MW-01 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

- - No standards,criteria or guidance values. Empty cell or ND - Not detected.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-25
SUMMARY OF DETECTED ANALYTES IN OFF-SITE SHALLOW SOILS
SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID			HA-09	HA-10	MW-10
Sample ID			HA-9 (0-2')	HA-10 (0-2')	MW-10 (0-2')
Matrix			Soil	Soil	Soil
Depth Interval (ft)			0.0-2.0	0.0-2.0	0.0-2.0
Date Sampled			04/29/14	04/29/14	04/29/14
Parameter	**Units**	**Criteria***			
Volatile Organic Compounds					
Acetone	MG/KG	-			0.22 DJ
Benzene	MG/KG	-			0.0040 J
Carbon disulfide	MG/KG	-			0.0020 J
Ethylbenzene	MG/KG	-			0.013
Isopropylbenzene (Cumene)	MG/KG	-			0.0070 J
Methyl acetate	MG/KG	-			0.0050 J
Methyl ethyl ketone (2-Butanone)	MG/KG	-			0.097 J
Toluene	MG/KG	-			0.0010 J
Xylene (total)	MG/KG	-			0.042
Semivolatile Organic Compounds					
1,1-Biphenyl	MG/KG	-	0.11 J		
2-Methylnaphthalene	MG/KG	-	0.41 J		
Acenaphthene	MG/KG	-	0.19 J		
Acenaphthylene	MG/KG	-	0.16 J		
Anthracene	MG/KG	-	0.17 J		
Benzo(a)anthracene	MG/KG	2.4	1.3	0.39 J	0.10 J
Benzo(a)pyrene	MG/KG	3.5	1.6	0.42	0.093 J
Benzo(b)fluoranthene	MG/KG	8	2.7	0.65	0.17 J
Benzo(g,h,i)perylene	MG/KG	-	0.64	0.19 J	
Benzo(k)fluoranthene	MG/KG	1.7	1.2	0.28 J	
bis(2-Ethylhexyl)phthalate	MG/KG	-			
Carbazole	MG/KG	-	0.41 J		
Chrysene	MG/KG	4.2	3.1	0.51	0.15 J
Dibenz(a,h)anthracene	MG/KG	0.56	0.22 J		

*Criteria- Background shallow soil concentrations from sample locations SS-01, SS-02, SS-06, MW-01 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

- - No standards,criteria or guidance values. Empty cell or ND - Not detected.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-25
SUMMARY OF DETECTED ANALYTES IN OFF-SITE SHALLOW SOILS
SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID			HA-09	HA-10	MW-10
Sample ID			HA-9 (0-2')	HA-10 (0-2')	MW-10 (0-2')
Matrix			Soil	Soil	Soil
Depth Interval (ft)			0.0-2.0	0.0-2.0	0.0-2.0
Date Sampled			04/29/14	04/29/14	04/29/14
Parameter	**Units**	**Criteria***			
Semivolatile Organic Compounds					
Dibenzofuran	MG/KG	-	0.49		
Di-n-butylphthalate	MG/KG	-		0.13 J	
Fluoranthene	MG/KG	-	8.8 D	0.79	0.26 J
Fluorene	MG/KG	-	0.59		
Indeno(1,2,3-cd)pyrene	MG/KG	1.7	0.71	0.18 J	
Naphthalene	MG/KG	-	0.48		0.30 J
Phenanthrene	MG/KG	-	9.9 D	0.39 J	0.19 J
Pyrene	MG/KG	-	8.6 D	0.83	0.26 J
Pesticide Organic Compounds					
4,4'-DDD	MG/KG	-			0.0049
4,4'-DDE	MG/KG	-		0.021 NJ	0.0091
4,4'-DDT	MG/KG	0.017		0.014	
beta-BHC	MG/KG	-		0.0027 NJ	
delta-BHC	MG/KG	-			
Dieldrin	MG/KG	-	0.053		0.028
Endosulfan sulfate	MG/KG	-			
Endrin	MG/KG	-			
Endrin ketone	MG/KG	-			
gamma-BHC (Lindane)	MG/KG	-			
Heptachlor	MG/KG	-			
Methoxychlor	MG/KG	-			
Herbicides					
2,4,5-T	MG/KG	-			
2,4-DB	MG/KG	-			

*Criteria- Background shallow soil concentrations from sample locations SS-01, SS-02, SS-06, MW-01 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

- - No standards,criteria or guidance values. Empty cell or ND - Not detected.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-25
SUMMARY OF DETECTED ANALYTES IN OFF-SITE SHALLOW SOILS
SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID			HA-09	HA-10	MW-10
Sample ID			HA-9 (0-2')	HA-10 (0-2')	MW-10 (0-2')
Matrix			Soil	Soil	Soil
Depth Interval (ft)			0.0-2.0	0.0-2.0	0.0-2.0
Date Sampled			04/29/14	04/29/14	04/29/14
Parameter	**Units**	**Criteria***			
Herbicides					
Dinoseb	MG/KG	-		0.0059	
Metals					
Aluminum	MG/KG	-	9,410	6,760	8,720
Antimony	MG/KG	-		0.46 J	0.73 J
Arsenic	MG/KG	-	8.6	15.7 J+	6.0
Barium	MG/KG	-	155	77.3	189
Beryllium	MG/KG	-	0.52 J	0.38 J	0.33 J
Calcium	MG/KG	17900	4,140	16,400	6,110
Chromium	MG/KG	281	18.2	60.0 J	17.7
Cobalt	MG/KG	-	6.1	6.3	7.1
Copper	MG/KG	64.2	40.1	35.8	64.0
Iron	MG/KG	17500	17,100	13,700	18,400
Lead	MG/KG	118	355	193	678
Magnesium	MG/KG	-	1,980	6,940	3,490
Manganese	MG/KG	-	267	267	437
Mercury	MG/KG	0.2	0.023 J	0.040 J	0.047
Nickel	MG/KG	-	8.9	10.1 J	10.3
Potassium	MG/KG	-	1,140	789	1,090
Selenium	MG/KG	-	2.9	2.5	4.1
Silver	MG/KG	-	1.9	1.5	2.3
Sodium	MG/KG	-		635	
Thallium	MG/KG	-			
Vanadium	MG/KG	-	25.5	19.1	23.3
Zinc	MG/KG	167	199	212	298

*Criteria- Background shallow soil concentrations from sample locations SS-01, SS-02, SS-06, MW-01 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

- - No standards,criteria or guidance values. Empty cell or ND - Not detected.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-26
STATISTICAL SUMMARY OF DETECTED ANALYTES IN OFF-SITE SHALLOW SOILS
UNRESTRICTED USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Volatile Organic Compounds										
Acetone	MG/KG	0.05	13	1	0.220	0.220	0.220	1	MW-10	0-2
Benzene	MG/KG	0.06	13	1	0.004	0.004	0.004	0	MW-10	0-2
Carbon disulfide	MG/KG	2.7	13	1	0.002	0.002	0.002	0	MW-10	0-2
Ethylbenzene	MG/KG	1	13	1	0.013	0.013	0.013	0	MW-10	0-2
Isopropylbenzene (Cumene)	MG/KG	2.3	13	1	0.007	0.007	0.007	0	MW-10	0-2
Methyl acetate	MG/KG	-	13	1	0.005	0.005	0.005	0	MW-10	0-2
Methyl ethyl ketone (2-Butanone)	MG/KG	0.12	13	1	0.097	0.097	0.097	0	MW-10	0-2
Toluene	MG/KG	0.7	13	1	0.001	0.001	0.001	0	MW-10	0-2
Xylene (total)	MG/KG	0.26	13	2	0.003	0.042	0.023	0	MW-10	0-2
Semivolatile Organic Compounds										
1,1-Biphenyl	MG/KG	60	13	1	0.110	0.110	0.110	0	HA-09	0-2
2-Methylnaphthalene	MG/KG	0.41	13	1	0.410	0.410	0.410	1	HA-09	0-2
Acenaphthene	MG/KG	20	13	1	0.190	0.190	0.190	0	HA-09	0-2
Acenaphthylene	MG/KG	100	13	1	0.160	0.160	0.160	0	HA-09	0-2
Anthracene	MG/KG	100	13	1	0.170	0.170	0.170	0	HA-09	0-2
Benzo(a)anthracene	MG/KG	1	13	5	0.100	1.30	0.412	1	HA-09	0-2
Benzo(a)pyrene	MG/KG	1	13	5	0.093	1.60	0.477	1	HA-09	0-2
Benzo(b)fluoranthene	MG/KG	1	13	6	0.093	2.70	0.679	1	HA-09	0-2

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.


Concentration Exceeds Criteria

Only Detected Results Reported.

TABLE 4-26
STATISTICAL SUMMARY OF DETECTED ANALYTES IN OFF-SITE SHALLOW SOILS
UNRESTRICTED USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Semivolatile Organic Compounds										
Benzo(g,h,i)perylene	MG/KG	100	13	4	0.095	0.640	0.259	0	HA-09	0-2
Benzo(k)fluoranthene	MG/KG	0.8	13	3	0.093	1.20	0.524	1	HA-09	0-2
bis(2-Ethylhexyl)phthalate	MG/KG	50	13	1	0.190	0.190	0.190	0	HA-02	1.5-2
Carbazole	MG/KG	-	13	3	0.170	0.410	0.250	0	HA-09	0-2
Chrysene	MG/KG	1	13	6	0.092	3.10	0.717	1	HA-09	0-2
Dibenz(a,h)anthracene	MG/KG	0.33	13	1	0.220	0.220	0.220	0	HA-09	0-2
Dibenzofuran	MG/KG	7	13	1	0.490	0.490	0.490	0	HA-09	0-2
Di-n-butylphthalate	MG/KG	0.014	13	1	0.130	0.130	0.130	1	HA-10	0-2
Fluoranthene	MG/KG	100	13	6	0.150	8.80	1.80	0	HA-09	0-2
Fluorene	MG/KG	30	13	1	0.590	0.590	0.590	0	HA-09	0-2
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	13	4	0.086	0.710	0.269	1	HA-09	0-2
Naphthalene	MG/KG	12	13	2	0.300	0.480	0.390	0	HA-09	0-2
Phenanthrene	MG/KG	100	13	6	0.098	9.90	1.87	0	HA-09	0-2
Pyrene	MG/KG	100	13	6	0.140	8.60	1.76	0	HA-09	0-2
Pesticide Organic Compounds										
4,4'-DDD	MG/KG	0.0033	13	2	0.002	0.005	0.004	1	MW-10	0-2
4,4'-DDE	MG/KG	0.0033	13	5	0.003	0.021	0.009	4	HA-10	0-2
4,4'-DDT	MG/KG	0.0033	13	5	0.002	0.025	0.011	4	HA-01	1-2

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Concentration Exceeds Criteria

Only Detected Results Reported.

TABLE 4-26
STATISTICAL SUMMARY OF DETECTED ANALYTES IN OFF-SITE SHALLOW SOILS
UNRESTRICTED USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Pesticide Organic Compounds										
beta-BHC	MG/KG	0.036	13	2	0.002	0.003	0.003	0	HA-10	0-2
delta-BHC	MG/KG	0.04	13	1	0.001	0.001	0.001	0	HA-01	1-2
Dieldrin	MG/KG	0.005	13	9	0.003	0.150	0.034	7	HA-01	1-2
Endosulfan sulfate	MG/KG	2.4	13	1	0.010	0.010	0.010	0	HA-01	1-2
Endrin	MG/KG	0.014	13	1	0.005	0.005	0.005	0	HA-01	1-2
Endrin ketone	MG/KG	-	13	1	0.012	0.012	0.012	0	HA-01	1-2
gamma-BHC (Lindane)	MG/KG	0.1	13	1	0.002	0.002	0.002	0	HA-02	1.5-2
Heptachlor	MG/KG	0.042	13	1	0.001	0.001	0.001	0	HA-01	1-2
Methoxychlor	MG/KG	1.2	13	1	0.083	0.083	0.083	0	HA-01	1-2
Herbicides										
2,4,5-T	MG/KG	1.9	13	1	0.007	0.007	0.007	0	HA-01	1-2
2,4-DB	MG/KG	-	13	2	0.008	0.016	0.012	0	HA-05	1-1.5
Dinoseb	MG/KG	-	13	1	0.006	0.006	0.006	0	HA-10	0-2
Metals										
Aluminum	MG/KG	10000	13	13	4,560	1.16E+04	8,175	2	HA-08	0-2
Antimony	MG/KG	12	13	3	0.370	0.730	0.520	0	MW-10	0-2
Arsenic	MG/KG	13	13	13	3.00	15.70	6.48	2	HA-10	0-2
Barium	MG/KG	350	13	13	38.40	189.0	81.74	0	MW-10	0-2

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Concentration Exceeds Criteria

Only Detected Results Reported.

TABLE 4-26
STATISTICAL SUMMARY OF DETECTED ANALYTES IN OFF-SITE SHALLOW SOILS
UNRESTRICTED USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Metals										
Beryllium	MG/KG	7.2	13	9	0.210	0.520	0.342	0	HA-09	0-2
Calcium	MG/KG	10000	13	13	2,410	1.64E+04	4,830	1	HA-10	0-2
Chromium	MG/KG	30	13	13	12.20	60.00	20.32	1	HA-10	0-2
Cobalt	MG/KG	20	13	12	3.40	11.00	6.51	0	HA-03	1-1.5
Copper	MG/KG	50	13	13	9.50	64.00	22.99	1	MW-10	0-2
Iron	MG/KG	2000	13	13	9,430	2.66E+04	1.62E+04	13	HA-03	1-1.5
Lead	MG/KG	63	13	13	37.10	678.0	186.1	11	MW-10	0-2
Magnesium	MG/KG	-	13	13	1,430	6,940	2,522	0	HA-10	0-2
Manganese	MG/KG	1600	13	13	151.0	615.0	284.5	0	HA-03	1-1.5
Mercury	MG/KG	0.18	13	13	0.023	0.170	0.079	0	HA-03	1-1.5
Nickel	MG/KG	30	13	13	4.80	13.50	8.60	0	HA-03	1-1.5
Potassium	MG/KG	-	13	8	759.0	1,170	990.6	0	HA-08	0-2
Selenium	MG/KG	3.9	13	7	2.10	4.10	3.17	1	MW-10	0-2
Silver	MG/KG	2	13	7	1.30	2.30	1.90	4	MW-10	0-2
Sodium	MG/KG	-	13	3	40.50	635.0	251.3	0	HA-10	0-2
Thallium	MG/KG	5	13	1	0.260	0.260	0.260	0	HA-02	1.5-2
Vanadium	MG/KG	39	13	13	12.00	32.60	22.22	0	HA-07	0-2
Zinc	MG/KG	109	13	13	54.10	310.0	174.6	10	HA-02	1.5-2

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Concentration Exceeds Criteria

Only Detected Results Reported.

TABLE 4-27
STATISTICAL SUMMARY OF DETECTED ANALYTES IN OFF-SITE SHALLOW SOILS
PROTECTION OF GROUNDWATER CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Volatile Organic Compounds										
Acetone	MG/KG	0.05	13	1	0.220	0.220	0.220	1	MW-10	0-2
Benzene	MG/KG	0.06	13	1	0.004	0.004	0.004	0	MW-10	0-2
Carbon disulfide	MG/KG	2.7	13	1	0.002	0.002	0.002	0	MW-10	0-2
Ethylbenzene	MG/KG	1	13	1	0.013	0.013	0.013	0	MW-10	0-2
Isopropylbenzene (Cumene)	MG/KG	2.3	13	1	0.007	0.007	0.007	0	MW-10	0-2
Methyl acetate	MG/KG	-	13	1	0.005	0.005	0.005	0	MW-10	0-2
Methyl ethyl ketone (2-Butanone)	MG/KG	0.12	13	1	0.097	0.097	0.097	0	MW-10	0-2
Toluene	MG/KG	0.7	13	1	0.001	0.001	0.001	0	MW-10	0-2
Xylene (total)	MG/KG	1.6	13	2	0.003	0.042	0.023	0	MW-10	0-2
Semivolatile Organic Compounds										
1,1-Biphenyl	MG/KG	-	13	1	0.110	0.110	0.110	0	HA-09	0-2
2-Methylnaphthalene	MG/KG	36.4	13	1	0.410	0.410	0.410	0	HA-09	0-2
Acenaphthene	MG/KG	98	13	1	0.190	0.190	0.190	0	HA-09	0-2
Acenaphthylene	MG/KG	107	13	1	0.160	0.160	0.160	0	HA-09	0-2
Anthracene	MG/KG	1000	13	1	0.170	0.170	0.170	0	HA-09	0-2
Benzo(a)anthracene	MG/KG	1	13	5	0.100	1.30	0.412	1	HA-09	0-2
Benzo(a)pyrene	MG/KG	22	13	5	0.093	1.60	0.477	0	HA-09	0-2
Benzo(b)fluoranthene	MG/KG	1.7	13	6	0.093	2.70	0.679	1	HA-09	0-2

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.


Concentration Exceeds Criteria

Only Detected Results Reported.

TABLE 4-27
STATISTICAL SUMMARY OF DETECTED ANALYTES IN OFF-SITE SHALLOW SOILS
PROTECTION OF GROUNDWATER CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Semivolatile Organic Compounds										
Benzo(g,h,i)perylene	MG/KG	1000	13	4	0.095	0.640	0.259	0	HA-09	0-2
Benzo(k)fluoranthene	MG/KG	1.7	13	3	0.093	1.20	0.524	0	HA-09	0-2
bis(2-Ethylhexyl)phthalate	MG/KG	435	13	1	0.190	0.190	0.190	0	HA-02	1.5-2
Carbazole	MG/KG	-	13	3	0.170	0.410	0.250	0	HA-09	0-2
Chrysene	MG/KG	1	13	6	0.092	3.10	0.717	1	HA-09	0-2
Dibenz(a,h)anthracene	MG/KG	1000	13	1	0.220	0.220	0.220	0	HA-09	0-2
Dibenzofuran	MG/KG	210	13	1	0.490	0.490	0.490	0	HA-09	0-2
Di-n-butylphthalate	MG/KG	8.1	13	1	0.130	0.130	0.130	0	HA-10	0-2
Fluoranthene	MG/KG	1000	13	6	0.150	8.80	1.80	0	HA-09	0-2
Fluorene	MG/KG	386	13	1	0.590	0.590	0.590	0	HA-09	0-2
Indeno(1,2,3-cd)pyrene	MG/KG	8.2	13	4	0.086	0.710	0.269	0	HA-09	0-2
Naphthalene	MG/KG	12	13	2	0.300	0.480	0.390	0	HA-09	0-2
Phenanthrene	MG/KG	1000	13	6	0.098	9.90	1.87	0	HA-09	0-2
Pyrene	MG/KG	1000	13	6	0.140	8.60	1.76	0	HA-09	0-2
Pesticide Organic Compounds										
4,4'-DDD	MG/KG	14	13	2	0.002	0.005	0.004	0	MW-10	0-2
4,4'-DDE	MG/KG	17	13	5	0.003	0.021	0.009	0	HA-10	0-2
4,4'-DDT	MG/KG	136	13	5	0.002	0.025	0.011	0	HA-01	1-2

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Concentration Exceeds Criteria

Only Detected Results Reported.

TABLE 4-27
STATISTICAL SUMMARY OF DETECTED ANALYTES IN OFF-SITE SHALLOW SOILS
PROTECTION OF GROUNDWATER CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Pesticide Organic Compounds										
beta-BHC	MG/KG	0.09	13	2	0.002	0.003	0.003	0	HA-10	0-2
delta-BHC	MG/KG	0.25	13	1	0.001	0.001	0.001	0	HA-01	1-2
Dieldrin	MG/KG	0.1	13	9	0.003	0.150	0.034	1	HA-01	1-2
Endosulfan sulfate	MG/KG	1000	13	1	0.010	0.010	0.010	0	HA-01	1-2
Endrin	MG/KG	0.06	13	1	0.005	0.005	0.005	0	HA-01	1-2
Endrin ketone	MG/KG	-	13	1	0.012	0.012	0.012	0	HA-01	1-2
gamma-BHC (Lindane)	MG/KG	0.1	13	1	0.002	0.002	0.002	0	HA-02	1.5-2
Heptachlor	MG/KG	0.38	13	1	0.001	0.001	0.001	0	HA-01	1-2
Methoxychlor	MG/KG	900	13	1	0.083	0.083	0.083	0	HA-01	1-2
Herbicides										
2,4,5-T	MG/KG	1.9	13	1	0.007	0.007	0.007	0	HA-01	1-2
2,4-DB	MG/KG	-	13	2	0.008	0.016	0.012	0	HA-05	1-1.5
Dinoseb	MG/KG	-	13	1	0.006	0.006	0.006	0	HA-10	0-2
Metals										
Aluminum	MG/KG	-	13	13	4,560	1.16E+04	8,175	0	HA-08	0-2
Antimony	MG/KG	-	13	3	0.370	0.730	0.520	0	MW-10	0-2
Arsenic	MG/KG	16	13	13	3.00	15.70	6.48	0	HA-10	0-2
Barium	MG/KG	820	13	13	38.40	189.0	81.74	0	MW-10	0-2

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Concentration Exceeds Criteria

Only Detected Results Reported.

TABLE 4-27
STATISTICAL SUMMARY OF DETECTED ANALYTES IN OFF-SITE SHALLOW SOILS
PROTECTION OF GROUNDWATER CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Metals										
Beryllium	MG/KG	47	13	9	0.210	0.520	0.342	0	HA-09	0-2
Calcium	MG/KG	-	13	13	2,410	1.64E+04	4,830	0	HA-10	0-2
Chromium	MG/KG	NS	13	13	12.20	60.00	20.32	0	HA-10	0-2
Cobalt	MG/KG	-	13	12	3.40	11.00	6.51	0	HA-03	1-1.5
Copper	MG/KG	1720	13	13	9.50	64.00	22.99	0	MW-10	0-2
Iron	MG/KG	-	13	13	9,430	2.66E+04	1.62E+04	0	HA-03	1-1.5
Lead	MG/KG	450	13	13	37.10	678.0	186.1	1	MW-10	0-2
Magnesium	MG/KG	-	13	13	1,430	6,940	2,522	0	HA-10	0-2
Manganese	MG/KG	2000	13	13	151.0	615.0	284.5	0	HA-03	1-1.5
Mercury	MG/KG	0.73	13	13	0.023	0.170	0.079	0	HA-03	1-1.5
Nickel	MG/KG	130	13	13	4.80	13.50	8.60	0	HA-03	1-1.5
Potassium	MG/KG	-	13	8	759.0	1,170	990.6	0	HA-08	0-2
Selenium	MG/KG	4	13	7	2.10	4.10	3.17	1	MW-10	0-2
Silver	MG/KG	8.3	13	7	1.30	2.30	1.90	0	MW-10	0-2
Sodium	MG/KG	-	13	3	40.50	635.0	251.3	0	HA-10	0-2
Thallium	MG/KG	-	13	1	0.260	0.260	0.260	0	HA-02	1.5-2
Vanadium	MG/KG	-	13	13	12.00	32.60	22.22	0	HA-07	0-2
Zinc	MG/KG	2480	13	13	54.10	310.0	174.6	0	HA-02	1.5-2

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Concentration Exceeds Criteria

Only Detected Results Reported.

TABLE 4-28
STATISTICAL SUMMARY OF DETECTED ANALYTES IN OFF-SITE SHALLOW SOILS
RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Volatile Organic Compounds										
Acetone	MG/KG	100	13	1	0.220	0.220	0.220	0	MW-10	0-2
Benzene	MG/KG	2.9	13	1	0.004	0.004	0.004	0	MW-10	0-2
Carbon disulfide	MG/KG	100	13	1	0.002	0.002	0.002	0	MW-10	0-2
Ethylbenzene	MG/KG	30	13	1	0.013	0.013	0.013	0	MW-10	0-2
Isopropylbenzene (Cumene)	MG/KG	100	13	1	0.007	0.007	0.007	0	MW-10	0-2
Methyl acetate	MG/KG	-	13	1	0.005	0.005	0.005	0	MW-10	0-2
Methyl ethyl ketone (2-Butanone)	MG/KG	-	13	1	0.097	0.097	0.097	0	MW-10	0-2
Toluene	MG/KG	100	13	1	0.001	0.001	0.001	0	MW-10	0-2
Xylene (total)	MG/KG	100	13	2	0.003	0.042	0.023	0	MW-10	0-2
Semivolatile Organic Compounds										
1,1-Biphenyl	MG/KG	-	13	1	0.110	0.110	0.110	0	HA-09	0-2
2-Methylnaphthalene	MG/KG	0.41	13	1	0.410	0.410	0.410	1	HA-09	0-2
Acenaphthene	MG/KG	100	13	1	0.190	0.190	0.190	0	HA-09	0-2
Acenaphthylene	MG/KG	100	13	1	0.160	0.160	0.160	0	HA-09	0-2
Anthracene	MG/KG	100	13	1	0.170	0.170	0.170	0	HA-09	0-2
Benzo(a)anthracene	MG/KG	1	13	5	0.100	1.30	0.412	1	HA-09	0-2
Benzo(a)pyrene	MG/KG	1	13	5	0.093	1.60	0.477	1	HA-09	0-2
Benzo(b)fluoranthene	MG/KG	1	13	6	0.093	2.70	0.679	1	HA-09	0-2

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Concentration Exceeds Criteria

Only Detected Results Reported.

TABLE 4-28
STATISTICAL SUMMARY OF DETECTED ANALYTES IN OFF-SITE SHALLOW SOILS
RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Semivolatile Organic Compounds										
Benzo(g,h,i)perylene	MG/KG	100	13	4	0.095	0.640	0.259	0	HA-09	0-2
Benzo(k)fluoranthene	MG/KG	1	13	3	0.093	1.20	0.524	1	HA-09	0-2
bis(2-Ethylhexyl)phthalate	MG/KG	50	13	1	0.190	0.190	0.190	0	HA-02	1.5-2
Carbazole	MG/KG	-	13	3	0.170	0.410	0.250	0	HA-09	0-2
Chrysene	MG/KG	1	13	6	0.092	3.10	0.717	1	HA-09	0-2
Dibenz(a,h)anthracene	MG/KG	0.33	13	1	0.220	0.220	0.220	0	HA-09	0-2
Dibenzofuran	MG/KG	14	13	1	0.490	0.490	0.490	0	HA-09	0-2
Di-n-butylphthalate	MG/KG	100	13	1	0.130	0.130	0.130	0	HA-10	0-2
Fluoranthene	MG/KG	100	13	6	0.150	8.80	1.80	0	HA-09	0-2
Fluorene	MG/KG	100	13	1	0.590	0.590	0.590	0	HA-09	0-2
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	13	4	0.086	0.710	0.269	1	HA-09	0-2
Naphthalene	MG/KG	100	13	2	0.300	0.480	0.390	0	HA-09	0-2
Phenanthrene	MG/KG	100	13	6	0.098	9.90	1.87	0	HA-09	0-2
Pyrene	MG/KG	100	13	6	0.140	8.60	1.76	0	HA-09	0-2
Pesticide Organic Compounds										
4,4'-DDD	MG/KG	2.6	13	2	0.002	0.005	0.004	0	MW-10	0-2
4,4'-DDE	MG/KG	1.8	13	5	0.003	0.021	0.009	0	HA-10	0-2
4,4'-DDT	MG/KG	1.7	13	5	0.002	0.025	0.011	0	HA-01	1-2

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Concentration Exceeds Criteria

Only Detected Results Reported.

TABLE 4-28
STATISTICAL SUMMARY OF DETECTED ANALYTES IN OFF-SITE SHALLOW SOILS
RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Pesticide Organic Compounds										
beta-BHC	MG/KG	0.072	13	2	0.002	0.003	0.003	0	HA-10	0-2
delta-BHC	MG/KG	100	13	1	0.001	0.001	0.001	0	HA-01	1-2
Dieldrin	MG/KG	0.039	13	9	0.003	0.150	0.034	2	HA-01	1-2
Endosulfan sulfate	MG/KG	4.8	13	1	0.010	0.010	0.010	0	HA-01	1-2
Endrin	MG/KG	2.2	13	1	0.005	0.005	0.005	0	HA-01	1-2
Endrin ketone	MG/KG	-	13	1	0.012	0.012	0.012	0	HA-01	1-2
gamma-BHC (Lindane)	MG/KG	0.28	13	1	0.002	0.002	0.002	0	HA-02	1.5-2
Heptachlor	MG/KG	0.42	13	1	0.001	0.001	0.001	0	HA-01	1-2
Methoxychlor	MG/KG	100	13	1	0.083	0.083	0.083	0	HA-01	1-2
Herbicides										
2,4,5-T	MG/KG	100	13	1	0.007	0.007	0.007	0	HA-01	1-2
2,4-DB	MG/KG	-	13	2	0.008	0.016	0.012	0	HA-05	1-1.5
Dinoseb	MG/KG	-	13	1	0.006	0.006	0.006	0	HA-10	0-2
Metals										
Aluminum	MG/KG	-	13	13	4,560	1.16E+04	8,175	0	HA-08	0-2
Antimony	MG/KG	-	13	3	0.370	0.730	0.520	0	MW-10	0-2
Arsenic	MG/KG	16	13	13	3.00	15.70	6.48	0	HA-10	0-2
Barium	MG/KG	350	13	13	38.40	189.0	81.74	0	MW-10	0-2

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Concentration Exceeds Criteria

Only Detected Results Reported.

TABLE 4-28
STATISTICAL SUMMARY OF DETECTED ANALYTES IN OFF-SITE SHALLOW SOILS
RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Metals										
Beryllium	MG/KG	14	13	9	0.210	0.520	0.342	0	HA-09	0-2
Calcium	MG/KG	-	13	13	2,410	1.64E+04	4,830	0	HA-10	0-2
Chromium	MG/KG	36	13	13	12.20	60.00	20.32	1	HA-10	0-2
Cobalt	MG/KG	30	13	12	3.40	11.00	6.51	0	HA-03	1-1.5
Copper	MG/KG	270	13	13	9.50	64.00	22.99	0	MW-10	0-2
Iron	MG/KG	2000	13	13	9,430	2.66E+04	1.62E+04	13	HA-03	1-1.5
Lead	MG/KG	400	13	13	37.10	678.0	186.1	1	MW-10	0-2
Magnesium	MG/KG	-	13	13	1,430	6,940	2,522	0	HA-10	0-2
Manganese	MG/KG	2000	13	13	151.0	615.0	284.5	0	HA-03	1-1.5
Mercury	MG/KG	0.81	13	13	0.023	0.170	0.079	0	HA-03	1-1.5
Nickel	MG/KG	140	13	13	4.80	13.50	8.60	0	HA-03	1-1.5
Potassium	MG/KG	-	13	8	759.0	1,170	990.6	0	HA-08	0-2
Selenium	MG/KG	36	13	7	2.10	4.10	3.17	0	MW-10	0-2
Silver	MG/KG	36	13	7	1.30	2.30	1.90	0	MW-10	0-2
Sodium	MG/KG	-	13	3	40.50	635.0	251.3	0	HA-10	0-2
Thallium	MG/KG	-	13	1	0.260	0.260	0.260	0	HA-02	1.5-2
Vanadium	MG/KG	100	13	13	12.00	32.60	22.22	0	HA-07	0-2
Zinc	MG/KG	2200	13	13	54.10	310.0	174.6	0	HA-02	1.5-2

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

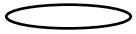
Concentration Exceeds Criteria

Only Detected Results Reported.

TABLE 4-29
STATISTICAL SUMMARY OF DETECTED ANALYTES IN OFF-SITE SHALLOW SOILS
SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Volatile Organic Compounds										
Acetone	MG/KG	-	13	1	0.220	0.220	0.220	0	MW-10	0-2
Benzene	MG/KG	-	13	1	0.004	0.004	0.004	0	MW-10	0-2
Carbon disulfide	MG/KG	-	13	1	0.002	0.002	0.002	0	MW-10	0-2
Ethylbenzene	MG/KG	-	13	1	0.013	0.013	0.013	0	MW-10	0-2
Isopropylbenzene (Cumene)	MG/KG	-	13	1	0.007	0.007	0.007	0	MW-10	0-2
Methyl acetate	MG/KG	-	13	1	0.005	0.005	0.005	0	MW-10	0-2
Methyl ethyl ketone (2-Butanone)	MG/KG	-	13	1	0.097	0.097	0.097	0	MW-10	0-2
Toluene	MG/KG	-	13	1	0.001	0.001	0.001	0	MW-10	0-2
Xylene (total)	MG/KG	-	13	2	0.003	0.042	0.023	0	MW-10	0-2
Semivolatile Organic Compounds										
1,1-Biphenyl	MG/KG	-	13	1	0.110	0.110	0.110	0	HA-09	0-2
2-Methylnaphthalene	MG/KG	-	13	1	0.410	0.410	0.410	0	HA-09	0-2
Acenaphthene	MG/KG	-	13	1	0.190	0.190	0.190	0	HA-09	0-2
Acenaphthylene	MG/KG	-	13	1	0.160	0.160	0.160	0	HA-09	0-2
Anthracene	MG/KG	-	13	1	0.170	0.170	0.170	0	HA-09	0-2
Benzo(a)anthracene	MG/KG	2.4	13	5	0.100	1.30	0.412	0	HA-09	0-2
Benzo(a)pyrene	MG/KG	3.5	13	5	0.093	1.60	0.477	0	HA-09	0-2
Benzo(b)fluoranthene	MG/KG	8	13	6	0.093	2.70	0.679	0	HA-09	0-2

*Criteria- Background shallow soil concentrations from sample locations SS-01, SS-02, SS-06, MW-01 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.


Concentration Exceeds Criteria

Only Detected Results Reported.

TABLE 4-29
STATISTICAL SUMMARY OF DETECTED ANALYTES IN OFF-SITE SHALLOW SOILS
SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Semivolatile Organic Compounds										
Benzo(g,h,i)perylene	MG/KG	-	13	4	0.095	0.640	0.259	0	HA-09	0-2
Benzo(k)fluoranthene	MG/KG	1.7	13	3	0.093	1.20	0.524	0	HA-09	0-2
bis(2-Ethylhexyl)phthalate	MG/KG	-	13	1	0.190	0.190	0.190	0	HA-02	1.5-2
Carbazole	MG/KG	-	13	3	0.170	0.410	0.250	0	HA-09	0-2
Chrysene	MG/KG	4.2	13	6	0.092	3.10	0.717	0	HA-09	0-2
Dibenz(a,h)anthracene	MG/KG	0.56	13	1	0.220	0.220	0.220	0	HA-09	0-2
Dibenzofuran	MG/KG	-	13	1	0.490	0.490	0.490	0	HA-09	0-2
Di-n-butylphthalate	MG/KG	-	13	1	0.130	0.130	0.130	0	HA-10	0-2
Fluoranthene	MG/KG	-	13	6	0.150	8.80	1.80	0	HA-09	0-2
Fluorene	MG/KG	-	13	1	0.590	0.590	0.590	0	HA-09	0-2
Indeno(1,2,3-cd)pyrene	MG/KG	1.7	13	4	0.086	0.710	0.269	0	HA-09	0-2
Naphthalene	MG/KG	-	13	2	0.300	0.480	0.390	0	HA-09	0-2
Phenanthrene	MG/KG	-	13	6	0.098	9.90	1.87	0	HA-09	0-2
Pyrene	MG/KG	-	13	6	0.140	8.60	1.76	0	HA-09	0-2
Pesticide Organic Compounds										
4,4'-DDD	MG/KG	-	13	2	0.002	0.005	0.004	0	MW-10	0-2
4,4'-DDE	MG/KG	-	13	5	0.003	0.021	0.009	0	HA-10	0-2
4,4'-DDT	MG/KG	0.017	13	5	0.002	0.025	0.011	1	HA-01	1-2

*Criteria- Background shallow soil concentrations from sample locations SS-01, SS-02, SS-06, MW-01 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Concentration Exceeds Criteria

Only Detected Results Reported.

TABLE 4-29
STATISTICAL SUMMARY OF DETECTED ANALYTES IN OFF-SITE SHALLOW SOILS
SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Pesticide Organic Compounds										
beta-BHC	MG/KG	-	13	2	0.002	0.003	0.003	0	HA-10	0-2
delta-BHC	MG/KG	-	13	1	0.001	0.001	0.001	0	HA-01	1-2
Dieldrin	MG/KG	-	13	9	0.003	0.150	0.034	0	HA-01	1-2
Endosulfan sulfate	MG/KG	-	13	1	0.010	0.010	0.010	0	HA-01	1-2
Endrin	MG/KG	-	13	1	0.005	0.005	0.005	0	HA-01	1-2
Endrin ketone	MG/KG	-	13	1	0.012	0.012	0.012	0	HA-01	1-2
gamma-BHC (Lindane)	MG/KG	-	13	1	0.002	0.002	0.002	0	HA-02	1.5-2
Heptachlor	MG/KG	-	13	1	0.001	0.001	0.001	0	HA-01	1-2
Methoxychlor	MG/KG	-	13	1	0.083	0.083	0.083	0	HA-01	1-2
Herbicides										
2,4,5-T	MG/KG	-	13	1	0.007	0.007	0.007	0	HA-01	1-2
2,4-DB	MG/KG	-	13	2	0.008	0.016	0.012	0	HA-05	1-1.5
Dinoseb	MG/KG	-	13	1	0.006	0.006	0.006	0	HA-10	0-2
Metals										
Aluminum	MG/KG	-	13	13	4,560	1.16E+04	8,175	0	HA-08	0-2
Antimony	MG/KG	-	13	3	0.370	0.730	0.520	0	MW-10	0-2
Arsenic	MG/KG	-	13	13	3.00	15.70	6.48	0	HA-10	0-2
Barium	MG/KG	-	13	13	38.40	189.0	81.74	0	MW-10	0-2

*Criteria- Background shallow soil concentrations from sample locations SS-01, SS-02, SS-06, MW-01 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Concentration Exceeds Criteria

Only Detected Results Reported.

TABLE 4-29
STATISTICAL SUMMARY OF DETECTED ANALYTES IN OFF-SITE SHALLOW SOILS
SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Metals										
Beryllium	MG/KG	-	13	9	0.210	0.520	0.342	0	HA-09	0-2
Calcium	MG/KG	17900	13	13	2,410	1.64E+04	4,830	0	HA-10	0-2
Chromium	MG/KG	281	13	13	12.20	60.00	20.32	0	HA-10	0-2
Cobalt	MG/KG	-	13	12	3.40	11.00	6.51	0	HA-03	1-1.5
Copper	MG/KG	64.2	13	13	9.50	64.00	22.99	0	MW-10	0-2
Iron	MG/KG	17500	13	13	9,430	2.66E+04	1.62E+04	5	HA-03	1-1.5
Lead	MG/KG	118	13	13	37.10	678.0	186.1	7	MW-10	0-2
Magnesium	MG/KG	-	13	13	1,430	6,940	2,522	0	HA-10	0-2
Manganese	MG/KG	-	13	13	151.0	615.0	284.5	0	HA-03	1-1.5
Mercury	MG/KG	0.2	13	13	0.023	0.170	0.079	0	HA-03	1-1.5
Nickel	MG/KG	-	13	13	4.80	13.50	8.60	0	HA-03	1-1.5
Potassium	MG/KG	-	13	8	759.0	1,170	990.6	0	HA-08	0-2
Selenium	MG/KG	-	13	7	2.10	4.10	3.17	0	MW-10	0-2
Silver	MG/KG	-	13	7	1.30	2.30	1.90	0	MW-10	0-2
Sodium	MG/KG	-	13	3	40.50	635.0	251.3	0	HA-10	0-2
Thallium	MG/KG	-	13	1	0.260	0.260	0.260	0	HA-02	1.5-2
Vanadium	MG/KG	-	13	13	12.00	32.60	22.22	0	HA-07	0-2
Zinc	MG/KG	167	13	13	54.10	310.0	174.6	8	HA-02	1.5-2

*Criteria- Background shallow soil concentrations from sample locations SS-01, SS-02, SS-06, MW-01 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.


Concentration Exceeds Criteria

Only Detected Results Reported.

TABLE 4-30
SUMMARY OF DETECTED ANALYTES IN OFF-SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					HA-01	HA-02	HA-03	HA-04	HA-05
Sample ID					HA-1 (2-3)	HA-2 (3)	HA-3 (3-3.5)	HA-4 (3-3.5)	HA-5 (3-3.5)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					2.0-3.0	2.0-3.0	3.0-3.5	3.0-3.5	3.0-3.5
Date Sampled					05/14/13	05/14/13	05/23/13	05/23/13	05/23/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Volatile Organic Compounds									
Acetone	MG/KG	0.05	0.05	100			0.027 J	0.13 J	0.044 J
Benzene	MG/KG	0.06	0.06	2.9					
Methyl ethyl ketone (2-Butanone)	MG/KG	0.12	0.12	-			0.0090 J	0.027 J	0.011 J
Toluene	MG/KG	0.7	0.7	100					
Xylene (total)	MG/KG	0.26	1.6	100					
Semivolatile Organic Compounds									
4-Methylphenol (p-cresol)	MG/KG	0.33	0.33	34				6.3	1.6
Atrazine	MG/KG	-	-	-		0.11 J			0.16 J
Benzo(a)anthracene	MG/KG	1	1	1	0.11 J	0.11 J		0.16 J	0.11 J
Benzo(a)pyrene	MG/KG	1	22	1	0.097 J	0.10 J		0.15 J	0.10 J
Benzo(b)fluoranthene	MG/KG	1	1.7	1	0.13 J	0.17 J		0.23 J	0.16 J
Benzo(g,h,i)perylene	MG/KG	100	1000	100				0.10 J	
Benzo(k)fluoranthene	MG/KG	0.8	1.7	1				0.11 J	
bis(2-Ethylhexyl)phthalate	MG/KG	50	435	50		0.12 J	0.12 J		0.18 J
Carbazole	MG/KG	-	-	-	0.16 J	0.19 J		0.18 J	0.18 J
Chrysene	MG/KG	1	1	1	0.13 J	0.17 J		0.25 J	0.17 J
Fluoranthene	MG/KG	100	1000	100	0.23 J	0.27 J		0.50	0.35 J
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	8.2	0.5				0.098 J	
Naphthalene	MG/KG	12	12	100		0.15 J		0.097 J	
Phenanthrene	MG/KG	100	1000	100	0.17 J	0.19 J		0.44	0.32 J

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - not detected.

J - The reported concentration is an estimated value. NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 4-30
SUMMARY OF DETECTED ANALYTES IN OFF-SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					HA-01	HA-02	HA-03	HA-04	HA-05
Sample ID					HA-1 (2-3)	HA-2 (3)	HA-3 (3-3.5)	HA-4 (3-3.5)	HA-5 (3-3.5)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					2.0-3.0	2.0-3.0	3.0-3.5	3.0-3.5	3.0-3.5
Date Sampled					05/14/13	05/14/13	05/23/13	05/23/13	05/23/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Semivolatile Organic Compounds									
Phenol	MG/KG	0.33	0.33	100				0.10 J	0.21 J
Pyrene	MG/KG	100	1000	100	0.24 J	0.22 J		0.44	0.30 J
Pesticide Organic Compounds									
4,4'-DDD	MG/KG	0.0033	14	2.6				0.0028 J	0.0054
4,4'-DDE	MG/KG	0.0033	17	1.8	0.0031 J	0.0024 J		0.0022	0.0063 J
4,4'-DDT	MG/KG	0.0033	136	1.7		0.0085 J			
alpha-Chlordane	MG/KG	0.094	2.9	0.91				0.0011 J	0.0013 J
beta-BHC	MG/KG	0.036	0.09	0.072					
Dieldrin	MG/KG	0.005	0.1	0.039		0.041		0.014	0.032
Heptachlor epoxide	MG/KG	0.02	0.02	0.077				0.0011 J	
Herbicides									
2,4,5-T	MG/KG	1.9	1.9	100		0.0091			0.0062 J
2,4,5-TP (Silvex)	MG/KG	3.8	3.8	58		0.0036 J			
2,4-DB	MG/KG	-	-	-			0.0075 J		
Dicamba	MG/KG	-	-	-					
Dinoseb	MG/KG	-	-	-					0.0058 NJ
Metals									
Aluminum	MG/KG	10000	-	-	7,800	6,600	9,140	8,500	7,160
Antimony	MG/KG	12	-	-	0.52 J	0.65 J			
Arsenic	MG/KG	13	16	16	5.0	17.9	3.1	4.5	3.8

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - not detected.

J - The reported concentration is an estimated value. NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 4-30
SUMMARY OF DETECTED ANALYTES IN OFF-SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					HA-01	HA-02	HA-03	HA-04	HA-05
Sample ID					HA-1 (2-3)	HA-2 (3)	HA-3 (3-3.5)	HA-4 (3-3.5)	HA-5 (3-3.5)
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					2.0-3.0	2.0-3.0	3.0-3.5	3.0-3.5	3.0-3.5
Date Sampled					05/14/13	05/14/13	05/23/13	05/23/13	05/23/13
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Metals									
Barium	MG/KG	350	820	350	64.6	94.9	59.6	52.6	147
Beryllium	MG/KG	7.2	47	14	0.41 J	0.40 J	0.39 J	0.40 J	0.34 J
Cadmium	MG/KG	2.5	7.5	2.5					0.14 J
Calcium	MG/KG	10000	-	-	5,270	4,380	2,800	2,520	4,270
Chromium	MG/KG	30	NS	36	16.0	13.3	13.4	16.0	13.9
Cobalt	MG/KG	20	-	30	6.7	6.8 J	5.1 J	6.5	7.5
Copper	MG/KG	50	1720	270	42.2 J	63.4 J	20.3	17.8	17.5
Iron	MG/KG	2000	-	2000	14,900	12,900	13,000	16,200	14,100
Lead	MG/KG	63	450	400	136	261	154	146	495
Magnesium	MG/KG	-	-	-	1,810	1,260	1,740	2,380	1,860
Manganese	MG/KG	1600	2000	2000	194	627	179 J	492 J	270 J
Mercury	MG/KG	0.18	0.73	0.81	0.097	0.54	0.13	0.11	0.054
Nickel	MG/KG	30	130	140	10.3	13.4	8.3	10.9	8.1
Potassium	MG/KG	-	-	-			826	1,800	1,400
Selenium	MG/KG	3.9	4	36					
Silver	MG/KG	2	8.3	36					
Sodium	MG/KG	-	-	-	167 J	254 J		173 J	246 J
Thallium	MG/KG	5	-	-					
Vanadium	MG/KG	39	-	100	25.9	27.5	21.5	19.0	18.9
Zinc	MG/KG	109	2480	2200	204 J	381 J	177	173	504

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - not detected.

J - The reported concentration is an estimated value. NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 4-30
SUMMARY OF DETECTED ANALYTES IN OFF-SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					HA-06	HA-07	HA-07	HA-08	HA-09
Sample ID					HA-6 (2-4')	HA-7 (2-4')	HA-DUP2	HA-8 (2-4')	HA-9 (2-4')
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					2.0-4.0	2.0-4.0	2.0-4.0	2.0-4.0	2.0-4.0
Date Sampled					04/29/14	04/29/14	04/29/14	04/29/14	04/29/14
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**			Field Duplicate (1-1)		
Volatile Organic Compounds									
Acetone	MG/KG	0.05	0.05	100					0.094 J
Benzene	MG/KG	0.06	0.06	2.9					
Methyl ethyl ketone (2-Butanone)	MG/KG	0.12	0.12	-				0.0070 J	0.021 J
Toluene	MG/KG	0.7	0.7	100					
Xylene (total)	MG/KG	0.26	1.6	100					
Semivolatile Organic Compounds									
4-Methylphenol (p-cresol)	MG/KG	0.33	0.33	34					
Atrazine	MG/KG	-	-	-					
Benzo(a)anthracene	MG/KG	1	1	1					
Benzo(a)pyrene	MG/KG	1	22	1					
Benzo(b)fluoranthene	MG/KG	1	1.7	1					
Benzo(g,h,i)perylene	MG/KG	100	1000	100					
Benzo(k)fluoranthene	MG/KG	0.8	1.7	1					
bis(2-Ethylhexyl)phthalate	MG/KG	50	435	50					
Carbazole	MG/KG	-	-	-					
Chrysene	MG/KG	1	1	1					
Fluoranthene	MG/KG	100	1000	100					
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	8.2	0.5					
Naphthalene	MG/KG	12	12	100					
Phenanthrene	MG/KG	100	1000	100					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - not detected.

J - The reported concentration is an estimated value. NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 4-30
SUMMARY OF DETECTED ANALYTES IN OFF-SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					HA-06	HA-07	HA-07	HA-08	HA-09
Sample ID					HA-6 (2-4')	HA-7 (2-4')	HA-DUP2	HA-8 (2-4')	HA-9 (2-4')
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					2.0-4.0	2.0-4.0	2.0-4.0	2.0-4.0	2.0-4.0
Date Sampled					04/29/14	04/29/14	04/29/14	04/29/14	04/29/14
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**			Field Duplicate (1-1)		
Semivolatile Organic Compounds									
Phenol	MG/KG	0.33	0.33	100					
Pyrene	MG/KG	100	1000	100					
Pesticide Organic Compounds									
4,4'-DDD	MG/KG	0.0033	14	2.6					
4,4'-DDE	MG/KG	0.0033	17	1.8					
4,4'-DDT	MG/KG	0.0033	136	1.7					
alpha-Chlordane	MG/KG	0.094	2.9	0.91					
beta-BHC	MG/KG	0.036	0.09	0.072					0.0014 NJ
Dieldrin	MG/KG	0.005	0.1	0.039					
Heptachlor epoxide	MG/KG	0.02	0.02	0.077					
Herbicides									
2,4,5-T	MG/KG	1.9	1.9	100					
2,4,5-TP (Silvex)	MG/KG	3.8	3.8	58					
2,4-DB	MG/KG	-	-	-					
Dicamba	MG/KG	-	-	-					0.015
Dinoseb	MG/KG	-	-	-					
Metals									
Aluminum	MG/KG	10000	-	-	12,000	10,700	12,200	10,400	12,700
Antimony	MG/KG	12	-	-					
Arsenic	MG/KG	13	16	16	2.2	3.2	3.9	2.7	4.4

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - not detected.

J - The reported concentration is an estimated value. NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 4-30
SUMMARY OF DETECTED ANALYTES IN OFF-SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					HA-06	HA-07	HA-07	HA-08	HA-09
Sample ID					HA-6 (2-4')	HA-7 (2-4')	HA-DUP2	HA-8 (2-4')	HA-9 (2-4')
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					2.0-4.0	2.0-4.0	2.0-4.0	2.0-4.0	2.0-4.0
Date Sampled					04/29/14	04/29/14	04/29/14	04/29/14	04/29/14
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**			Field Duplicate (1-1)		
Metals									
Barium	MG/KG	350	820	350	48.7	63.7	63.5	62.2	116
Beryllium	MG/KG	7.2	47	14			0.65		0.65
Cadmium	MG/KG	2.5	7.5	2.5					
Calcium	MG/KG	10000	-	-	1,690	5,430	4,050	2,370	6,240
Chromium	MG/KG	30	NS	36	15.3	16.6	20.9	18.6	29.1
Cobalt	MG/KG	20	-	30	6.1	8.2	9.1	8.0	23.5
Copper	MG/KG	50	1720	270	10.9	11.7	15.1	9.7	14.2
Iron	MG/KG	2000	-	2000	16,200	18,800	22,400	16,800	26,500
Lead	MG/KG	63	450	400	14.8	60.0	37.4	16.6	54.9
Magnesium	MG/KG	-	-	-	2,440	4,100 J	2,820 J	2,700	3,190
Manganese	MG/KG	1600	2000	2000	398	317	332	1,630	4,010
Mercury	MG/KG	0.18	0.73	0.81		0.029 J	0.027 J	0.021 J	0.13
Nickel	MG/KG	30	130	140	9.6	9.1	10.1	10.6	11.2
Potassium	MG/KG	-	-	-	629	902	1,230	1,090	1,320
Selenium	MG/KG	3.9	4	36	2.3	2.9	3.3	1.9	1.6
Silver	MG/KG	2	8.3	36	1.6	1.9	2.2	1.8	2.9
Sodium	MG/KG	-	-	-					
Thallium	MG/KG	5	-	-				2.7	8.5
Vanadium	MG/KG	39	-	100	22.5	26.9	33.9	25.3	35.3
Zinc	MG/KG	109	2480	2200	42.5	61.0	61.4	48.2	81.3

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - not detected.

J - The reported concentration is an estimated value. NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 4-30
SUMMARY OF DETECTED ANALYTES IN OFF-SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					HA-10	MW-10	MW-10	MW-10	MW-10
Sample ID					HA-10 (2-4')	MW-10 (2-4')	MW-10 (4-6')	MW-10 (6-8')	MW-10 (8-10')
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					2.0-4.0	2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0
Date Sampled					04/29/14	04/29/14	04/29/14	04/29/14	04/29/14
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Volatile Organic Compounds									
Acetone	MG/KG	0.05	0.05	100		0.078 J			0.047 J
Benzene	MG/KG	0.06	0.06	2.9		0.0090 J			
Methyl ethyl ketone (2-Butanone)	MG/KG	0.12	0.12	-		0.013 J			
Toluene	MG/KG	0.7	0.7	100					0.0010 J
Xylene (total)	MG/KG	0.26	1.6	100					0.0020 J
Semivolatile Organic Compounds									
4-Methylphenol (p-cresol)	MG/KG	0.33	0.33	34					
Atrazine	MG/KG	-	-	-					
Benzo(a)anthracene	MG/KG	1	1	1					
Benzo(a)pyrene	MG/KG	1	22	1					
Benzo(b)fluoranthene	MG/KG	1	1.7	1					
Benzo(g,h,i)perylene	MG/KG	100	1000	100					
Benzo(k)fluoranthene	MG/KG	0.8	1.7	1					
bis(2-Ethylhexyl)phthalate	MG/KG	50	435	50					
Carbazole	MG/KG	-	-	-					
Chrysene	MG/KG	1	1	1					
Fluoranthene	MG/KG	100	1000	100					
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	8.2	0.5					
Naphthalene	MG/KG	12	12	100					
Phenanthrene	MG/KG	100	1000	100					

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - not detected.

J - The reported concentration is an estimated value. NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 4-30
SUMMARY OF DETECTED ANALYTES IN OFF-SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					HA-10	MW-10	MW-10	MW-10	MW-10
Sample ID					HA-10 (2-4')	MW-10 (2-4')	MW-10 (4-6')	MW-10 (6-8')	MW-10 (8-10')
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					2.0-4.0	2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0
Date Sampled					04/29/14	04/29/14	04/29/14	04/29/14	04/29/14
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Semivolatile Organic Compounds									
Phenol	MG/KG	0.33	0.33	100					
Pyrene	MG/KG	100	1000	100					
Pesticide Organic Compounds									
4,4'-DDD	MG/KG	0.0033	14	2.6					
4,4'-DDE	MG/KG	0.0033	17	1.8	0.0032 J				
4,4'-DDT	MG/KG	0.0033	136	1.7	0.0031 J				
alpha-Chlordane	MG/KG	0.094	2.9	0.91					
beta-BHC	MG/KG	0.036	0.09	0.072					
Dieldrin	MG/KG	0.005	0.1	0.039					
Heptachlor epoxide	MG/KG	0.02	0.02	0.077					
Herbicides									
2,4,5-T	MG/KG	1.9	1.9	100					
2,4,5-TP (Silvex)	MG/KG	3.8	3.8	58					
2,4-DB	MG/KG	-	-	-					0.0083 NJ
Dicamba	MG/KG	-	-	-					
Dinoseb	MG/KG	-	-	-					
Metals									
Aluminum	MG/KG	10000	-	-	8,880	14,400	13,900	9,320	6,530
Antimony	MG/KG	12	-	-	0.28 J		0.28 J	0.33 J	0.27 J
Arsenic	MG/KG	13	16	16	7.7	3.5	3.2	2.2	1.8

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - not detected.

J - The reported concentration is an estimated value. NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 4-30
SUMMARY OF DETECTED ANALYTES IN OFF-SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					HA-10	MW-10	MW-10	MW-10	MW-10
Sample ID					HA-10 (2-4')	MW-10 (2-4')	MW-10 (4-6')	MW-10 (6-8')	MW-10 (8-10')
Matrix					Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)					2.0-4.0	2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0
Date Sampled					04/29/14	04/29/14	04/29/14	04/29/14	04/29/14
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**					
Metals									
Barium	MG/KG	350	820	350	60.7	73.7	69.5	64.6	46.6
Beryllium	MG/KG	7.2	47	14	0.58 J	0.47 J	0.31 J	0.27 J	0.22 J
Cadmium	MG/KG	2.5	7.5	2.5					
Calcium	MG/KG	10000	-	-	3,880	3,980	5,240	7,230	33,500 J
Chromium	MG/KG	30	NS	36	37.6	22.3	15.9	13.3	10.7
Cobalt	MG/KG	20	-	30	7.5	12.5	15.1	12.9	8.6
Copper	MG/KG	50	1720	270	14.8	12.0	16.4	19.0	21.6
Iron	MG/KG	2000	-	2000	44,700	28,400	26,100	25,400	17,900
Lead	MG/KG	63	450	400	76.5	19.2	6.5	8.8	72.8 J
Magnesium	MG/KG	-	-	-	1,800	4,430	3,700	4,640	7,810
Manganese	MG/KG	1600	2000	2000	613	1,250	204	330	363
Mercury	MG/KG	0.18	0.73	0.81	0.11	0.041	0.039 J	0.022 J	0.041
Nickel	MG/KG	30	130	140		10.7	14.4	20.1	15.3
Potassium	MG/KG	-	-	-	770	2,250	2,220	1,820	1,120
Selenium	MG/KG	3.9	4	36	6.9	4.6	4.6	4.3	3.0
Silver	MG/KG	2	8.3	36	4.5	3.2	2.4	2.5	1.9
Sodium	MG/KG	-	-	-			706		
Thallium	MG/KG	5	-	-	0.25 J				
Vanadium	MG/KG	39	-	100	46.9	38.8	44.2	31.5	18.0
Zinc	MG/KG	109	2480	2200	67.8	73.6	70.4	56.5	79.0

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - not detected.

J - The reported concentration is an estimated value. NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 4-30
SUMMARY OF DETECTED ANALYTES IN OFF-SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					MW-10
Sample ID					MW-10 DUP1
Matrix					Soil
Depth Interval (ft)					8.0-10.0
Date Sampled					04/29/14
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**	Field Duplicate (1-1)
Volatile Organic Compounds					
Acetone	MG/KG	0.05	0.05	100	
Benzene	MG/KG	0.06	0.06	2.9	
Methyl ethyl ketone (2-Butanone)	MG/KG	0.12	0.12	-	
Toluene	MG/KG	0.7	0.7	100	
Xylene (total)	MG/KG	0.26	1.6	100	
Semivolatile Organic Compounds					
4-Methylphenol (p-cresol)	MG/KG	0.33	0.33	34	
Atrazine	MG/KG	-	-	-	
Benzo(a)anthracene	MG/KG	1	1	1	
Benzo(a)pyrene	MG/KG	1	22	1	
Benzo(b)fluoranthene	MG/KG	1	1.7	1	
Benzo(g,h,i)perylene	MG/KG	100	1000	100	
Benzo(k)fluoranthene	MG/KG	0.8	1.7	1	
bis(2-Ethylhexyl)phthalate	MG/KG	50	435	50	
Carbazole	MG/KG	-	-	-	
Chrysene	MG/KG	1	1	1	
Fluoranthene	MG/KG	100	1000	100	
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	8.2	0.5	
Naphthalene	MG/KG	12	12	100	
Phenanthrene	MG/KG	100	1000	100	

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - not detected.

J - The reported concentration is an estimated value. NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 4-30
SUMMARY OF DETECTED ANALYTES IN OFF-SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					MW-10
Sample ID					MW-10 DUP1
Matrix					Soil
Depth Interval (ft)					8.0-10.0
Date Sampled					04/29/14
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**	Field Duplicate (1-1)
Semivolatile Organic Compounds					
Phenol	MG/KG	0.33	0.33	100	
Pyrene	MG/KG	100	1000	100	
Pesticide Organic Compounds					
4,4'-DDD	MG/KG	0.0033	14	2.6	
4,4'-DDE	MG/KG	0.0033	17	1.8	
4,4'-DDT	MG/KG	0.0033	136	1.7	
alpha-Chlordane	MG/KG	0.094	2.9	0.91	
beta-BHC	MG/KG	0.036	0.09	0.072	
Dieldrin	MG/KG	0.005	0.1	0.039	
Heptachlor epoxide	MG/KG	0.02	0.02	0.077	
Herbicides					
2,4,5-T	MG/KG	1.9	1.9	100	
2,4,5-TP (Silvex)	MG/KG	3.8	3.8	58	
2,4-DB	MG/KG	-	-	-	
Dicamba	MG/KG	-	-	-	
Dinoseb	MG/KG	-	-	-	
Metals					
Aluminum	MG/KG	10000	-	-	6,240
Antimony	MG/KG	12	-	-	0.28 J
Arsenic	MG/KG	13	16	16	2.3

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - not detected.

J - The reported concentration is an estimated value. NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 4-30
SUMMARY OF DETECTED ANALYTES IN OFF-SITE SUBSURFACE SOILS
UNRESTRICTED USE, PROTECTION OF GROUNDWATER AND RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID					MW-10
Sample ID					MW-10 DUP1
Matrix					Soil
Depth Interval (ft)					8.0-10.0
Date Sampled					04/29/14
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**	**Criteria (3)**	Field Duplicate (1-1)
Metals					
Barium	MG/KG	350	820	350	45.1
Beryllium	MG/KG	7.2	47	14	0.30 J
Cadmium	MG/KG	2.5	7.5	2.5	
Calcium	MG/KG	10000	-	-	56,400 J
Chromium	MG/KG	30	NS	36	12.1
Cobalt	MG/KG	20	-	30	8.6
Copper	MG/KG	50	1720	270	20.5
Iron	MG/KG	2000	-	2000	18,400
Lead	MG/KG	63	450	400	11.2 J
Magnesium	MG/KG	-	-	-	7,470
Manganese	MG/KG	1600	2000	2000	394
Mercury	MG/KG	0.18	0.73	0.81	
Nickel	MG/KG	30	130	140	15.6
Potassium	MG/KG	-	-	-	1,170
Selenium	MG/KG	3.9	4	36	3.2
Silver	MG/KG	2	8.3	36	1.9
Sodium	MG/KG	-	-	-	
Thallium	MG/KG	5	-	-	
Vanadium	MG/KG	39	-	100	16.7
Zinc	MG/KG	109	2480	2200	52.5

Criteria (1)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Criteria (2)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Criteria (3)- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria 1

Concentration Exceeds Criteria (2)

Border Concentration Exceeds Criteria (3)

- - No standards,criteria or guidance values. Empty cell or ND - not detected.

J - The reported concentration is an estimated value. NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 4-31
SUMMARY OF DETECTED ANALYTES IN OFF-SITE SUBSURFACE SOILS
SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID			HA-01	HA-02	HA-03	HA-04	HA-05
Sample ID			HA-1 (2-3)	HA-2 (3)	HA-3 (3-3.5)	HA-4 (3-3.5)	HA-5 (3-3.5)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			2.0-3.0	2.0-3.0	3.0-3.5	3.0-3.5	3.0-3.5
Date Sampled			05/14/13	05/14/13	05/23/13	05/23/13	05/23/13
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
Acetone	MG/KG	0.089			0.027 J	0.13 J	0.044 J
Benzene	MG/KG	-					
Methyl ethyl ketone (2-Butanone)	MG/KG	-			0.0090 J	0.027 J	0.011 J
Toluene	MG/KG	-					
Xylene (total)	MG/KG	-					
Semivolatile Organic Compounds							
4-Methylphenol (p-cresol)	MG/KG	-				6.3	1.6
Atrazine	MG/KG	-		0.11 J			0.16 J
Benzo(a)anthracene	MG/KG	-	0.11 J	0.11 J		0.16 J	0.11 J
Benzo(a)pyrene	MG/KG	-	0.097 J	0.10 J		0.15 J	0.10 J
Benzo(b)fluoranthene	MG/KG	-	0.13 J	0.17 J		0.23 J	0.16 J
Benzo(g,h,i)perylene	MG/KG	-				0.10 J	
Benzo(k)fluoranthene	MG/KG	-				0.11 J	
bis(2-Ethylhexyl)phthalate	MG/KG	-		0.12 J	0.12 J		0.18 J
Carbazole	MG/KG	-	0.16 J	0.19 J		0.18 J	0.18 J
Chrysene	MG/KG	-	0.13 J	0.17 J		0.25 J	0.17 J
Fluoranthene	MG/KG	-	0.23 J	0.27 J		0.50	0.35 J
Indeno(1,2,3-cd)pyrene	MG/KG	-				0.098 J	
Naphthalene	MG/KG	-		0.15 J		0.097 J	
Phenanthrene	MG/KG	-	0.17 J	0.19 J		0.44	0.32 J
Phenol	MG/KG	-				0.10 J	0.21 J
Pyrene	MG/KG	-	0.24 J	0.22 J		0.44	0.30 J

*Criteria- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 4-31
SUMMARY OF DETECTED ANALYTES IN OFF-SITE SUBSURFACE SOILS
SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID			HA-01	HA-02	HA-03	HA-04	HA-05
Sample ID			HA-1 (2-3)	HA-2 (3)	HA-3 (3-3.5)	HA-4 (3-3.5)	HA-5 (3-3.5)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			2.0-3.0	2.0-3.0	3.0-3.5	3.0-3.5	3.0-3.5
Date Sampled			05/14/13	05/14/13	05/23/13	05/23/13	05/23/13
Parameter	**Units**	**Criteria***					
Pesticide Organic Compounds							
4,4'-DDD	MG/KG	-				0.0028 J	0.0054
4,4'-DDE	MG/KG	-	0.0031 J	0.0024 J		0.0022	0.0063 J
4,4'-DDT	MG/KG	0.007		0.0085 J			
alpha-Chlordane	MG/KG	-				0.0011 J	0.0013 J
beta-BHC	MG/KG	-					
Dieldrin	MG/KG	-		0.041		0.014	0.032
Heptachlor epoxide	MG/KG	-				0.0011 J	
Herbicides							
2,4,5-T	MG/KG	-		0.0091			0.0062 J
2,4,5-TP (Silvex)	MG/KG	-		0.0036 J			
2,4-DB	MG/KG	-			0.0075 J		
Dicamba	MG/KG	-					
Dinoseb	MG/KG	-					0.0058 NJ
Metals							
Aluminum	MG/KG	20400	7,800	6,600	9,140	8,500	7,160
Antimony	MG/KG	-	0.52 J	0.65 J			
Arsenic	MG/KG	13.3	5.0	17.9	3.1	4.5	3.8
Barium	MG/KG	-	64.6	94.9	59.6	52.6	147
Beryllium	MG/KG	-	0.41 J	0.40 J	0.39 J	0.40 J	0.34 J
Cadmium	MG/KG	-					0.14 J
Calcium	MG/KG	34200	5,270	4,380	2,800	2,520	4,270
Chromium	MG/KG	486	16.0	13.3	13.4	16.0	13.9

*Criteria- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 4-31
SUMMARY OF DETECTED ANALYTES IN OFF-SITE SUBSURFACE SOILS
SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID			HA-01	HA-02	HA-03	HA-04	HA-05
Sample ID			HA-1 (2-3)	HA-2 (3)	HA-3 (3-3.5)	HA-4 (3-3.5)	HA-5 (3-3.5)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			2.0-3.0	2.0-3.0	3.0-3.5	3.0-3.5	3.0-3.5
Date Sampled			05/14/13	05/14/13	05/23/13	05/23/13	05/23/13
Parameter	**Units**	**Criteria***					
Metals							
Cobalt	MG/KG	-	6.7	6.8 J	5.1 J	6.5	7.5
Copper	MG/KG	-	42.2 J	63.4 J	20.3	17.8	17.5
Iron	MG/KG	35000	14,900	12,900	13,000	16,200	14,100
Lead	MG/KG	66.8	136	261	154	146	495
Magnesium	MG/KG	-	1,810	1,260	1,740	2,380	1,860
Manganese	MG/KG	-	194	627	179 J	492 J	270 J
Mercury	MG/KG	0.27	0.097	0.54	0.13	0.11	0.054
Nickel	MG/KG	-	10.3	13.4	8.3	10.9	8.1
Potassium	MG/KG	-			826	1,800	1,400
Selenium	MG/KG	6.4					
Silver	MG/KG	3.6					
Sodium	MG/KG	-	167 J	254 J		173 J	246 J
Thallium	MG/KG	-					
Vanadium	MG/KG	80	25.9	27.5	21.5	19.0	18.9
Zinc	MG/KG	-	204 J	381 J	177	173	504

*Criteria- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 4-31
SUMMARY OF DETECTED ANALYTES IN OFF-SITE SUBSURFACE SOILS
SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID			HA-06	HA-07	HA-07	HA-08	HA-09
Sample ID			HA-6 (2-4')	HA-7 (2-4')	HA-DUP2	HA-8 (2-4')	HA-9 (2-4')
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			2.0-4.0	2.0-4.0	2.0-4.0	2.0-4.0	2.0-4.0
Date Sampled			04/29/14	04/29/14	04/29/14	04/29/14	04/29/14
Parameter	**Units**	**Criteria***			Field Duplicate (1-1)		
Volatile Organic Compounds							
Acetone	MG/KG	0.089					0.094 J
Benzene	MG/KG	-					
Methyl ethyl ketone (2-Butanone)	MG/KG	-				0.0070 J	0.021 J
Toluene	MG/KG	-					
Xylene (total)	MG/KG	-					
Semivolatile Organic Compounds							
4-Methylphenol (p-cresol)	MG/KG	-					
Atrazine	MG/KG	-					
Benzo(a)anthracene	MG/KG	-					
Benzo(a)pyrene	MG/KG	-					
Benzo(b)fluoranthene	MG/KG	-					
Benzo(g,h,i)perylene	MG/KG	-					
Benzo(k)fluoranthene	MG/KG	-					
bis(2-Ethylhexyl)phthalate	MG/KG	-					
Carbazole	MG/KG	-					
Chrysene	MG/KG	-					
Fluoranthene	MG/KG	-					
Indeno(1,2,3-cd)pyrene	MG/KG	-					
Naphthalene	MG/KG	-					
Phenanthrene	MG/KG	-					
Phenol	MG/KG	-					
Pyrene	MG/KG	-					

*Criteria- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 4-31
SUMMARY OF DETECTED ANALYTES IN OFF-SITE SUBSURFACE SOILS
SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID			HA-06	HA-07	HA-07	HA-08	HA-09
Sample ID			HA-6 (2-4')	HA-7 (2-4')	HA-DUP2	HA-8 (2-4')	HA-9 (2-4')
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			2.0-4.0	2.0-4.0	2.0-4.0	2.0-4.0	2.0-4.0
Date Sampled			04/29/14	04/29/14	04/29/14	04/29/14	04/29/14
Parameter	**Units**	**Criteria***			Field Duplicate (1-1)		
Pesticide Organic Compounds							
4,4'-DDD	MG/KG	-					
4,4'-DDE	MG/KG	-					
4,4'-DDT	MG/KG	0.007					
alpha-Chlordane	MG/KG	-					
beta-BHC	MG/KG	-					0.0014 NJ
Dieldrin	MG/KG	-					
Heptachlor epoxide	MG/KG	-					
Herbicides							
2,4,5-T	MG/KG	-					
2,4,5-TP (Silvex)	MG/KG	-					
2,4-DB	MG/KG	-					
Dicamba	MG/KG	-					0.015
Dinoseb	MG/KG	-					
Metals							
Aluminum	MG/KG	20400	12,000	10,700	12,200	10,400	12,700
Antimony	MG/KG	-					
Arsenic	MG/KG	13.3	2.2	3.2	3.9	2.7	4.4
Barium	MG/KG	-	48.7	63.7	63.5	62.2	116
Beryllium	MG/KG	-			0.65		0.65
Cadmium	MG/KG	-					
Calcium	MG/KG	34200	1,690	5,430	4,050	2,370	6,240
Chromium	MG/KG	486	15.3	16.6	20.9	18.6	29.1

*Criteria- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 4-31
SUMMARY OF DETECTED ANALYTES IN OFF-SITE SUBSURFACE SOILS
SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID			HA-06	HA-07	HA-07	HA-08	HA-09
Sample ID			HA-6 (2-4')	HA-7 (2-4')	HA-DUP2	HA-8 (2-4')	HA-9 (2-4')
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			2.0-4.0	2.0-4.0	2.0-4.0	2.0-4.0	2.0-4.0
Date Sampled			04/29/14	04/29/14	04/29/14	04/29/14	04/29/14
Parameter	Units	Criteria*			Field Duplicate (1-1)		
Metals							
Cobalt	MG/KG	-	6.1	8.2	9.1	8.0	23.5
Copper	MG/KG	-	10.9	11.7	15.1	9.7	14.2
Iron	MG/KG	35000	16,200	18,800	22,400	16,800	26,500
Lead	MG/KG	66.8	14.8	60.0	37.4	16.6	54.9
Magnesium	MG/KG	-	2,440	4,100 J	2,820 J	2,700	3,190
Manganese	MG/KG	-	398	317	332	1,630	4,010
Mercury	MG/KG	0.27		0.029 J	0.027 J	0.021 J	0.13
Nickel	MG/KG	-	9.6	9.1	10.1	10.6	11.2
Potassium	MG/KG	-	629	902	1,230	1,090	1,320
Selenium	MG/KG	6.4	2.3	2.9	3.3	1.9	1.6
Silver	MG/KG	3.6	1.6	1.9	2.2	1.8	2.9
Sodium	MG/KG	-					
Thallium	MG/KG	-				2.7	8.5
Vanadium	MG/KG	80	22.5	26.9	33.9	25.3	35.3
Zinc	MG/KG	-	42.5	61.0	61.4	48.2	81.3

*Criteria- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 4-31
SUMMARY OF DETECTED ANALYTES IN OFF-SITE SUBSURFACE SOILS
SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID			HA-10	MW-10	MW-10	MW-10	MW-10
Sample ID			HA-10 (2-4')	MW-10 (2-4')	MW-10 (4-6')	MW-10 (6-8')	MW-10 (8-10')
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			2.0-4.0	2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0
Date Sampled			04/29/14	04/29/14	04/29/14	04/29/14	04/29/14
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
Acetone	MG/KG	0.089		0.078 J			0.047 J
Benzene	MG/KG	-		0.0090 J			
Methyl ethyl ketone (2-Butanone)	MG/KG	-		0.013 J			
Toluene	MG/KG	-					0.0010 J
Xylene (total)	MG/KG	-					0.0020 J
Semivolatile Organic Compounds							
4-Methylphenol (p-cresol)	MG/KG	-					
Atrazine	MG/KG	-					
Benzo(a)anthracene	MG/KG	-					
Benzo(a)pyrene	MG/KG	-					
Benzo(b)fluoranthene	MG/KG	-					
Benzo(g,h,i)perylene	MG/KG	-					
Benzo(k)fluoranthene	MG/KG	-					
bis(2-Ethylhexyl)phthalate	MG/KG	-					
Carbazole	MG/KG	-					
Chrysene	MG/KG	-					
Fluoranthene	MG/KG	-					
Indeno(1,2,3-cd)pyrene	MG/KG	-					
Naphthalene	MG/KG	-					
Phenanthrene	MG/KG	-					
Phenol	MG/KG	-					
Pyrene	MG/KG	-					

*Criteria- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 4-31
SUMMARY OF DETECTED ANALYTES IN OFF-SITE SUBSURFACE SOILS
SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID			HA-10	MW-10	MW-10	MW-10	MW-10
Sample ID			HA-10 (2-4')	MW-10 (2-4')	MW-10 (4-6')	MW-10 (6-8')	MW-10 (8-10')
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			2.0-4.0	2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0
Date Sampled			04/29/14	04/29/14	04/29/14	04/29/14	04/29/14
Parameter	**Units**	**Criteria***					
Pesticide Organic Compounds							
4,4'-DDD	MG/KG	-					
4,4'-DDE	MG/KG	-	0.0032 J				
4,4'-DDT	MG/KG	0.007	0.0031 J				
alpha-Chlordane	MG/KG	-					
beta-BHC	MG/KG	-					
Dieldrin	MG/KG	-					
Heptachlor epoxide	MG/KG	-					
Herbicides							
2,4,5-T	MG/KG	-					
2,4,5-TP (Silvex)	MG/KG	-					
2,4-DB	MG/KG	-					0.0083 NJ
Dicamba	MG/KG	-					
Dinoseb	MG/KG	-					
Metals							
Aluminum	MG/KG	20400	8,880	14,400	13,900	9,320	6,530
Antimony	MG/KG	-	0.28 J		0.28 J	0.33 J	0.27 J
Arsenic	MG/KG	13.3	7.7	3.5	3.2	2.2	1.8
Barium	MG/KG	-	60.7	73.7	69.5	64.6	46.6
Beryllium	MG/KG	-	0.58 J	0.47 J	0.31 J	0.27 J	0.22 J
Cadmium	MG/KG	-					
Calcium	MG/KG	34200	3,880	3,980	5,240	7,230	33,500 J
Chromium	MG/KG	486	37.6	22.3	15.9	13.3	10.7

*Criteria- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 4-31
SUMMARY OF DETECTED ANALYTES IN OFF-SITE SUBSURFACE SOILS
SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID			HA-10	MW-10	MW-10	MW-10	MW-10
Sample ID			HA-10 (2-4')	MW-10 (2-4')	MW-10 (4-6')	MW-10 (6-8')	MW-10 (8-10')
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			2.0-4.0	2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0
Date Sampled			04/29/14	04/29/14	04/29/14	04/29/14	04/29/14
Parameter	**Units**	**Criteria***					
Metals							
Cobalt	MG/KG	-	7.5	12.5	15.1	12.9	8.6
Copper	MG/KG	-	14.8	12.0	16.4	19.0	21.6
Iron	MG/KG	35000	44,700	28,400	26,100	25,400	17,900
Lead	MG/KG	66.8	76.5	19.2	6.5	8.8	72.8 J
Magnesium	MG/KG	-	1,800	4,430	3,700	4,640	7,810
Manganese	MG/KG	-	613	1,250	204	330	363
Mercury	MG/KG	0.27	0.11	0.041	0.039 J	0.022 J	0.041
Nickel	MG/KG	-		10.7	14.4	20.1	15.3
Potassium	MG/KG	-	770	2,250	2,220	1,820	1,120
Selenium	MG/KG	6.4	6.9	4.6	4.6	4.3	3.0
Silver	MG/KG	3.6	4.5	3.2	2.4	2.5	1.9
Sodium	MG/KG	-			706		
Thallium	MG/KG	-	0.25 J				
Vanadium	MG/KG	80	46.9	38.8	44.2	31.5	18.0
Zinc	MG/KG	-	67.8	73.6	70.4	56.5	79.0

*Criteria- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 4-31
SUMMARY OF DETECTED ANALYTES IN OFF-SITE SUBSURFACE SOILS
SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID			MW-10
Sample ID			MW-10 DUP1
Matrix			Soil
Depth Interval (ft)			8.0-10.0
Date Sampled			04/29/14
Parameter	**Units**	**Criteria***	Field Duplicate (1-1)
Volatile Organic Compounds			
Acetone	MG/KG	0.089	
Benzene	MG/KG	-	
Methyl ethyl ketone (2-Butanone)	MG/KG	-	
Toluene	MG/KG	-	
Xylene (total)	MG/KG	-	
Semivolatile Organic Compounds			
4-Methylphenol (p-cresol)	MG/KG	-	
Atrazine	MG/KG	-	
Benzo(a)anthracene	MG/KG	-	
Benzo(a)pyrene	MG/KG	-	
Benzo(b)fluoranthene	MG/KG	-	
Benzo(g,h,i)perylene	MG/KG	-	
Benzo(k)fluoranthene	MG/KG	-	
bis(2-Ethylhexyl)phthalate	MG/KG	-	
Carbazole	MG/KG	-	
Chrysene	MG/KG	-	
Fluoranthene	MG/KG	-	
Indeno(1,2,3-cd)pyrene	MG/KG	-	
Naphthalene	MG/KG	-	
Phenanthrene	MG/KG	-	
Phenol	MG/KG	-	
Pyrene	MG/KG	-	

*Criteria- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 4-31
SUMMARY OF DETECTED ANALYTES IN OFF-SITE SUBSURFACE SOILS
SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID			MW-10
Sample ID			MW-10 DUP1
Matrix			Soil
Depth Interval (ft)			8.0-10.0
Date Sampled			04/29/14
Parameter	**Units**	**Criteria***	Field Duplicate (1-1)
Pesticide Organic Compounds			
4,4'-DDD	MG/KG	-	
4,4'-DDE	MG/KG	-	
4,4'-DDT	MG/KG	0.007	
alpha-Chlordane	MG/KG	-	
beta-BHC	MG/KG	-	
Dieldrin	MG/KG	-	
Heptachlor epoxide	MG/KG	-	
Herbicides			
2,4,5-T	MG/KG	-	
2,4,5-TP (Silvex)	MG/KG	-	
2,4-DB	MG/KG	-	
Dicamba	MG/KG	-	
Dinoseb	MG/KG	-	
Metals			
Aluminum	MG/KG	20400	6,240
Antimony	MG/KG	-	0.28 J
Arsenic	MG/KG	13.3	2.3
Barium	MG/KG	-	45.1
Beryllium	MG/KG	-	0.30 J
Cadmium	MG/KG	-	
Calcium	MG/KG	34200	56,400 J
Chromium	MG/KG	486	12.1

*Criteria- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 4-31
SUMMARY OF DETECTED ANALYTES IN OFF-SITE SUBSURFACE SOILS
SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID			MW-10
Sample ID			MW-10 DUP1
Matrix			Soil
Depth Interval (ft)			8.0-10.0
Date Sampled			04/29/14
Parameter	**Units**	**Criteria***	Field Duplicate (1-1)
Metals			
Cobalt	MG/KG	-	8.6
Copper	MG/KG	-	20.5
Iron	MG/KG	35000	18,400
Lead	MG/KG	66.8	11.2 J
Magnesium	MG/KG	-	7,470
Manganese	MG/KG	-	394
Mercury	MG/KG	0.27	
Nickel	MG/KG	-	15.6
Potassium	MG/KG	-	1,170
Selenium	MG/KG	6.4	3.2
Silver	MG/KG	3.6	1.9
Sodium	MG/KG	-	
Thallium	MG/KG	-	
Vanadium	MG/KG	80	16.7
Zinc	MG/KG	-	52.5

*Criteria- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

- - No standards,criteria or guidance values. Empty cell or ND - Not detected. NA - Not analyzed.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.

Only Detected Results Reported.

TABLE 4-32
STATISTICAL SUMMARY OF DETECTED ANALYTES IN OFF-SITE SUBSURFACE SOILS
UNRESTRICTED USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Volatile Organic Compounds										
Acetone	MG/KG	0.05	16	6	0.027	0.130	0.070	3	HA-04	3-3.5
Benzene	MG/KG	0.06	16	1	0.009	0.009	0.009	0	MW-10	2-4
Methyl ethyl ketone (2-Butanone)	MG/KG	0.12	16	6	0.007	0.027	0.015	0	HA-04	3-3.5
Toluene	MG/KG	0.7	16	1	0.001	0.001	0.001	0	MW-10	8-10
Xylene (total)	MG/KG	0.26	16	1	0.002	0.002	0.002	0	MW-10	8-10
Semivolatile Organic Compounds										
4-Methylphenol (p-cresol)	MG/KG	0.33	16	2	1.60	6.30	3.95	2	HA-04	3-3.5
Atrazine	MG/KG	-	16	2	0.110	0.160	0.135	0	HA-05	3-3.5
Benzo(a)anthracene	MG/KG	1	16	4	0.110	0.160	0.123	0	HA-04	3-3.5
Benzo(a)pyrene	MG/KG	1	16	4	0.097	0.150	0.112	0	HA-04	3-3.5
Benzo(b)fluoranthene	MG/KG	1	16	4	0.130	0.230	0.173	0	HA-04	3-3.5
Benzo(g,h,i)perylene	MG/KG	100	16	1	0.100	0.100	0.100	0	HA-04	3-3.5
Benzo(k)fluoranthene	MG/KG	0.8	16	1	0.110	0.110	0.110	0	HA-04	3-3.5
bis(2-Ethylhexyl)phthalate	MG/KG	50	16	3	0.120	0.180	0.140	0	HA-05	3-3.5
Carbazole	MG/KG	-	16	4	0.160	0.190	0.178	0	HA-02	2-3
Chrysene	MG/KG	1	16	4	0.130	0.250	0.180	0	HA-04	3-3.5
Fluoranthene	MG/KG	100	16	4	0.230	0.500	0.338	0	HA-04	3-3.5
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	16	1	0.098	0.098	0.098	0	HA-04	3-3.5
Naphthalene	MG/KG	12	16	2	0.097	0.150	0.124	0	HA-02	2-3
Phenanthrene	MG/KG	100	16	4	0.170	0.440	0.280	0	HA-04	3-3.5

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Concentration Exceeds Criteria

Only Detected Results Reported.

TABLE 4-32
STATISTICAL SUMMARY OF DETECTED ANALYTES IN OFF-SITE SUBSURFACE SOILS
UNRESTRICTED USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Semivolatile Organic Compounds										
Phenol	MG/KG	0.33	16	2	0.100	0.210	0.155	0	HA-05	3-3.5
Pyrene	MG/KG	100	16	4	0.220	0.440	0.300	0	HA-04	3-3.5
Pesticide Organic Compounds										
4,4'-DDD	MG/KG	0.0033	16	2	0.003	0.005	0.004	1	HA-05	3-3.5
4,4'-DDE	MG/KG	0.0033	16	5	0.002	0.006	0.003	1	HA-05	3-3.5
4,4'-DDT	MG/KG	0.0033	16	2	0.003	0.009	0.006	1	HA-02	2-3
alpha-Chlordane	MG/KG	0.094	16	2	0.001	0.001	0.001	0	HA-05	3-3.5
beta-BHC	MG/KG	0.036	16	1	0.001	0.001	0.001	0	HA-09	2-4
Dieldrin	MG/KG	0.005	16	3	0.014	0.041	0.029	3	HA-02	2-3
Heptachlor epoxide	MG/KG	0.02	16	1	0.001	0.001	0.001	0	HA-04	3-3.5
Herbicides										
2,4,5-T	MG/KG	1.9	16	2	0.006	0.009	0.008	0	HA-02	2-3
2,4,5-TP (Silvex)	MG/KG	3.8	16	1	0.004	0.004	0.004	0	HA-02	2-3
2,4-DB	MG/KG	-	16	2	0.008	0.008	0.008	0	MW-10	8-10
Dicamba	MG/KG	-	16	1	0.015	0.015	0.015	0	HA-09	2-4
Dinoseb	MG/KG	-	16	1	0.006	0.006	0.006	0	HA-05	3-3.5
Metals										
Aluminum	MG/KG	10000	16	16	6,240	1.44E+04	9,779	7	MW-10	2-4
Antimony	MG/KG	12	16	7	0.270	0.650	0.373	0	HA-02	2-3
Arsenic	MG/KG	13	16	16	1.80	17.90	4.46	1	HA-02	2-3

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Concentration Exceeds Criteria

Only Detected Results Reported.

TABLE 4-32
STATISTICAL SUMMARY OF DETECTED ANALYTES IN OFF-SITE SUBSURFACE SOILS
UNRESTRICTED USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Metals										
Barium	MG/KG	350	16	16	45.10	147.0	70.81	0	HA-05	3-3.5
Beryllium	MG/KG	7.2	16	13	0.220	0.650	0.415	0	HA-07	2-4
Cadmium	MG/KG	2.5	16	1	0.140	0.140	0.140	0	HA-05	3-3.5
Calcium	MG/KG	10000	16	16	1,690	5.64E+04	9,328	2	MW-10	8-10
Chromium	MG/KG	30	16	16	10.70	37.60	17.81	1	HA-10	2-4
Cobalt	MG/KG	20	16	16	5.10	23.50	9.54	1	HA-09	2-4
Copper	MG/KG	50	16	16	9.70	63.40	20.44	1	HA-02	2-3
Iron	MG/KG	2000	16	16	1.29E+04	4.47E+04	2.08E+04	16	HA-10	2-4
Lead	MG/KG	63	16	16	6.50	495.0	98.17	7	HA-05	3-3.5
Magnesium	MG/KG	-	16	16	1,260	7,810	3,384	0	MW-10	8-10
Manganese	MG/KG	1600	16	16	179.0	4,010	725.2	2	HA-09	2-4
Mercury	MG/KG	0.18	16	14	0.021	0.540	0.099	1	HA-02	2-3
Nickel	MG/KG	30	16	15	8.10	20.10	11.85	0	MW-10	6-8
Potassium	MG/KG	-	16	14	629.0	2,250	1,325	0	MW-10	2-4
Selenium	MG/KG	3.9	16	11	1.60	6.90	3.51	4	HA-10	2-4
Silver	MG/KG	2	16	11	1.60	4.50	2.44	6	HA-10	2-4
Sodium	MG/KG	-	16	5	167.0	706.0	309.2	0	MW-10	4-6
Thallium	MG/KG	5	16	3	0.250	8.50	3.82	1	HA-09	2-4
Vanadium	MG/KG	39	16	16	16.70	46.90	28.30	2	HA-10	2-4
Zinc	MG/KG	109	16	16	42.50	504.0	133.3	5	HA-05	3-3.5

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Concentration Exceeds Criteria

Only Detected Results Reported.

TABLE 4-33
STATISTICAL SUMMARY OF DETECTED ANALYTES IN OFF-SITE SUBSURFACE SOILS
PROTECTION OF GROUNDWATER CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Volatile Organic Compounds										
Acetone	MG/KG	0.05	16	6	0.027	0.130	0.070	3	HA-04	3-3.5
Benzene	MG/KG	0.06	16	1	0.009	0.009	0.009	0	MW-10	2-4
Methyl ethyl ketone (2-Butanone)	MG/KG	0.12	16	6	0.007	0.027	0.015	0	HA-04	3-3.5
Toluene	MG/KG	0.7	16	1	0.001	0.001	0.001	0	MW-10	8-10
Xylene (total)	MG/KG	1.6	16	1	0.002	0.002	0.002	0	MW-10	8-10
Semivolatile Organic Compounds										
4-Methylphenol (p-cresol)	MG/KG	0.33	16	2	1.60	6.30	3.95	2	HA-04	3-3.5
Atrazine	MG/KG	-	16	2	0.110	0.160	0.135	0	HA-05	3-3.5
Benzo(a)anthracene	MG/KG	1	16	4	0.110	0.160	0.123	0	HA-04	3-3.5
Benzo(a)pyrene	MG/KG	22	16	4	0.097	0.150	0.112	0	HA-04	3-3.5
Benzo(b)fluoranthene	MG/KG	1.7	16	4	0.130	0.230	0.173	0	HA-04	3-3.5
Benzo(g,h,i)perylene	MG/KG	1000	16	1	0.100	0.100	0.100	0	HA-04	3-3.5
Benzo(k)fluoranthene	MG/KG	1.7	16	1	0.110	0.110	0.110	0	HA-04	3-3.5
bis(2-Ethylhexyl)phthalate	MG/KG	435	16	3	0.120	0.180	0.140	0	HA-05	3-3.5
Carbazole	MG/KG	-	16	4	0.160	0.190	0.178	0	HA-02	2-3
Chrysene	MG/KG	1	16	4	0.130	0.250	0.180	0	HA-04	3-3.5
Fluoranthene	MG/KG	1000	16	4	0.230	0.500	0.338	0	HA-04	3-3.5
Indeno(1,2,3-cd)pyrene	MG/KG	8.2	16	1	0.098	0.098	0.098	0	HA-04	3-3.5
Naphthalene	MG/KG	12	16	2	0.097	0.150	0.124	0	HA-02	2-3
Phenanthrene	MG/KG	1000	16	4	0.170	0.440	0.280	0	HA-04	3-3.5

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Concentration Exceeds Criteria

Only Detected Results Reported.

TABLE 4-33
STATISTICAL SUMMARY OF DETECTED ANALYTES IN OFF-SITE SUBSURFACE SOILS
PROTECTION OF GROUNDWATER CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Semivolatile Organic Compounds										
Phenol	MG/KG	0.33	16	2	0.100	0.210	0.155	0	HA-05	3-3.5
Pyrene	MG/KG	1000	16	4	0.220	0.440	0.300	0	HA-04	3-3.5
Pesticide Organic Compounds										
4,4'-DDD	MG/KG	14	16	2	0.003	0.005	0.004	0	HA-05	3-3.5
4,4'-DDE	MG/KG	17	16	5	0.002	0.006	0.003	0	HA-05	3-3.5
4,4'-DDT	MG/KG	136	16	2	0.003	0.009	0.006	0	HA-02	2-3
alpha-Chlordane	MG/KG	2.9	16	2	0.001	0.001	0.001	0	HA-05	3-3.5
beta-BHC	MG/KG	0.09	16	1	0.001	0.001	0.001	0	HA-09	2-4
Dieldrin	MG/KG	0.1	16	3	0.014	0.041	0.029	0	HA-02	2-3
Heptachlor epoxide	MG/KG	0.02	16	1	0.001	0.001	0.001	0	HA-04	3-3.5
Herbicides										
2,4,5-T	MG/KG	1.9	16	2	0.006	0.009	0.008	0	HA-02	2-3
2,4,5-TP (Silvex)	MG/KG	3.8	16	1	0.004	0.004	0.004	0	HA-02	2-3
2,4-DB	MG/KG	-	16	2	0.008	0.008	0.008	0	MW-10	8-10
Dicamba	MG/KG	-	16	1	0.015	0.015	0.015	0	HA-09	2-4
Dinoseb	MG/KG	-	16	1	0.006	0.006	0.006	0	HA-05	3-3.5
Metals										
Aluminum	MG/KG	-	16	16	6,240	1.44E+04	9,779	0	MW-10	2-4
Antimony	MG/KG	-	16	7	0.270	0.650	0.373	0	HA-02	2-3
Arsenic	MG/KG	16	16	16	1.80	17.90	4.46	1	HA-02	2-3

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Concentration Exceeds Criteria

Only Detected Results Reported.

TABLE 4-33
STATISTICAL SUMMARY OF DETECTED ANALYTES IN OFF-SITE SUBSURFACE SOILS
PROTECTION OF GROUNDWATER CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Metals										
Barium	MG/KG	820	16	16	45.10	147.0	70.81	0	HA-05	3-3.5
Beryllium	MG/KG	47	16	13	0.220	0.650	0.415	0	HA-07	2-4
Cadmium	MG/KG	7.5	16	1	0.140	0.140	0.140	0	HA-05	3-3.5
Calcium	MG/KG	-	16	16	1,690	5.64E+04	9,328	0	MW-10	8-10
Chromium	MG/KG	NS	16	16	10.70	37.60	17.81	0	HA-10	2-4
Cobalt	MG/KG	-	16	16	5.10	23.50	9.54	0	HA-09	2-4
Copper	MG/KG	1720	16	16	9.70	63.40	20.44	0	HA-02	2-3
Iron	MG/KG	-	16	16	1.29E+04	4.47E+04	2.08E+04	0	HA-10	2-4
Lead	MG/KG	450	16	16	6.50	495.0	98.17	1	HA-05	3-3.5
Magnesium	MG/KG	-	16	16	1,260	7,810	3,384	0	MW-10	8-10
Manganese	MG/KG	2000	16	16	179.0	4,010	725.2	1	HA-09	2-4
Mercury	MG/KG	0.73	16	14	0.021	0.540	0.099	0	HA-02	2-3
Nickel	MG/KG	130	16	15	8.10	20.10	11.85	0	MW-10	6-8
Potassium	MG/KG	-	16	14	629.0	2,250	1,325	0	MW-10	2-4
Selenium	MG/KG	4	16	11	1.60	6.90	3.51	4	HA-10	2-4
Silver	MG/KG	8.3	16	11	1.60	4.50	2.44	0	HA-10	2-4
Sodium	MG/KG	-	16	5	167.0	706.0	309.2	0	MW-10	4-6
Thallium	MG/KG	-	16	3	0.250	8.50	3.82	0	HA-09	2-4
Vanadium	MG/KG	-	16	16	16.70	46.90	28.30	0	HA-10	2-4
Zinc	MG/KG	2480	16	16	42.50	504.0	133.3	0	HA-05	3-3.5

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Restricted Use. Protection of Groundwater, including CP-51 Table 1, Effective 12/2/10.

Concentration Exceeds Criteria

Only Detected Results Reported.

TABLE 4-34
STATISTICAL SUMMARY OF DETECTED ANALYTES IN OFF-SITE SUBSURFACE SOILS
RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Volatile Organic Compounds										
Acetone	MG/KG	100	16	6	0.027	0.130	0.070	0	HA-04	3-3.5
Benzene	MG/KG	2.9	16	1	0.009	0.009	0.009	0	MW-10	2-4
Methyl ethyl ketone (2-Butanone)	MG/KG	-	16	6	0.007	0.027	0.015	0	HA-04	3-3.5
Toluene	MG/KG	100	16	1	0.001	0.001	0.001	0	MW-10	8-10
Xylene (total)	MG/KG	100	16	1	0.002	0.002	0.002	0	MW-10	8-10
Semivolatile Organic Compounds										
4-Methylphenol (p-cresol)	MG/KG	34	16	2	1.60	6.30	3.95	0	HA-04	3-3.5
Atrazine	MG/KG	-	16	2	0.110	0.160	0.135	0	HA-05	3-3.5
Benzo(a)anthracene	MG/KG	1	16	4	0.110	0.160	0.123	0	HA-04	3-3.5
Benzo(a)pyrene	MG/KG	1	16	4	0.097	0.150	0.112	0	HA-04	3-3.5
Benzo(b)fluoranthene	MG/KG	1	16	4	0.130	0.230	0.173	0	HA-04	3-3.5
Benzo(g,h,i)perylene	MG/KG	100	16	1	0.100	0.100	0.100	0	HA-04	3-3.5
Benzo(k)fluoranthene	MG/KG	1	16	1	0.110	0.110	0.110	0	HA-04	3-3.5
bis(2-Ethylhexyl)phthalate	MG/KG	50	16	3	0.120	0.180	0.140	0	HA-05	3-3.5
Carbazole	MG/KG	-	16	4	0.160	0.190	0.178	0	HA-02	2-3
Chrysene	MG/KG	1	16	4	0.130	0.250	0.180	0	HA-04	3-3.5
Fluoranthene	MG/KG	100	16	4	0.230	0.500	0.338	0	HA-04	3-3.5
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	16	1	0.098	0.098	0.098	0	HA-04	3-3.5
Naphthalene	MG/KG	100	16	2	0.097	0.150	0.124	0	HA-02	2-3
Phenanthrene	MG/KG	100	16	4	0.170	0.440	0.280	0	HA-04	3-3.5

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Concentration Exceeds Criteria

Only Detected Results Reported.

TABLE 4-34
STATISTICAL SUMMARY OF DETECTED ANALYTES IN OFF-SITE SUBSURFACE SOILS
RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Semivolatile Organic Compounds										
Phenol	MG/KG	100	16	2	0.100	0.210	0.155	0	HA-05	3-3.5
Pyrene	MG/KG	100	16	4	0.220	0.440	0.300	0	HA-04	3-3.5
Pesticide Organic Compounds										
4,4'-DDD	MG/KG	2.6	16	2	0.003	0.005	0.004	0	HA-05	3-3.5
4,4'-DDE	MG/KG	1.8	16	5	0.002	0.006	0.003	0	HA-05	3-3.5
4,4'-DDT	MG/KG	1.7	16	2	0.003	0.009	0.006	0	HA-02	2-3
alpha-Chlordane	MG/KG	0.91	16	2	0.001	0.001	0.001	0	HA-05	3-3.5
beta-BHC	MG/KG	0.072	16	1	0.001	0.001	0.001	0	HA-09	2-4
Dieldrin	MG/KG	0.039	16	3	0.014	0.041	0.029	1	HA-02	2-3
Heptachlor epoxide	MG/KG	0.077	16	1	0.001	0.001	0.001	0	HA-04	3-3.5
Herbicides										
2,4,5-T	MG/KG	100	16	2	0.006	0.009	0.008	0	HA-02	2-3
2,4,5-TP (Silvex)	MG/KG	58	16	1	0.004	0.004	0.004	0	HA-02	2-3
2,4-DB	MG/KG	-	16	2	0.008	0.008	0.008	0	MW-10	8-10
Dicamba	MG/KG	-	16	1	0.015	0.015	0.015	0	HA-09	2-4
Dinoseb	MG/KG	-	16	1	0.006	0.006	0.006	0	HA-05	3-3.5
Metals										
Aluminum	MG/KG	-	16	16	6,240	1.44E+04	9,779	0	MW-10	2-4
Antimony	MG/KG	-	16	7	0.270	0.650	0.373	0	HA-02	2-3
Arsenic	MG/KG	16	16	16	1.80	17.90	4.46	1	HA-02	2-3

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Concentration Exceeds Criteria

Only Detected Results Reported.

TABLE 4-34
STATISTICAL SUMMARY OF DETECTED ANALYTES IN OFF-SITE SUBSURFACE SOILS
RESIDENTIAL USE CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Metals										
Barium	MG/KG	350	16	16	45.10	147.0	70.81	0	HA-05	3-3.5
Beryllium	MG/KG	14	16	13	0.220	0.650	0.415	0	HA-07	2-4
Cadmium	MG/KG	2.5	16	1	0.140	0.140	0.140	0	HA-05	3-3.5
Calcium	MG/KG	-	16	16	1,690	5.64E+04	9,328	0	MW-10	8-10
Chromium	MG/KG	36	16	16	10.70	37.60	17.81	1	HA-10	2-4
Cobalt	MG/KG	30	16	16	5.10	23.50	9.54	0	HA-09	2-4
Copper	MG/KG	270	16	16	9.70	63.40	20.44	0	HA-02	2-3
Iron	MG/KG	2000	16	16	1.29E+04	4.47E+04	2.08E+04	16	HA-10	2-4
Lead	MG/KG	400	16	16	6.50	495.0	98.17	1	HA-05	3-3.5
Magnesium	MG/KG	-	16	16	1,260	7,810	3,384	0	MW-10	8-10
Manganese	MG/KG	2000	16	16	179.0	4,010	725.2	1	HA-09	2-4
Mercury	MG/KG	0.81	16	14	0.021	0.540	0.099	0	HA-02	2-3
Nickel	MG/KG	140	16	15	8.10	20.10	11.85	0	MW-10	6-8
Potassium	MG/KG	-	16	14	629.0	2,250	1,325	0	MW-10	2-4
Selenium	MG/KG	36	16	11	1.60	6.90	3.51	0	HA-10	2-4
Silver	MG/KG	36	16	11	1.60	4.50	2.44	0	HA-10	2-4
Sodium	MG/KG	-	16	5	167.0	706.0	309.2	0	MW-10	4-6
Thallium	MG/KG	-	16	3	0.250	8.50	3.82	0	HA-09	2-4
Vanadium	MG/KG	100	16	16	16.70	46.90	28.30	0	HA-10	2-4
Zinc	MG/KG	2200	16	16	42.50	504.0	133.3	0	HA-05	3-3.5

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Protection of Public Health, Residential, including CP-51 Table 1, Effective 12/2/10.

Concentration Exceeds Criteria

Only Detected Results Reported.

Advanced Selection: Off-Site Subsurface
J:\Projects\11176892\DB\Stat.mde
Printed: 12/18/2014 10:36:27 AM
WHERE [MATRIX] = 'SO' AND ([LOCID] = 'MW-10' OR [LOCID] LIKE 'HA-*') AND NOT ([SED] = '0.167' OR [SED] = '0.5' OR [SED] = '1.5' OR [SED] = '2');

TABLE 4-35
STATISTICAL SUMMARY OF DETECTED ANALYTES IN OFF-SITE SUBSURFACE SOILS
SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Volatile Organic Compounds										
Acetone	MG/KG	0.089	16	6	0.027	0.130	0.070	2	HA-04	3-3.5
Benzene	MG/KG	-	16	1	0.009	0.009	0.009	0	MW-10	2-4
Methyl ethyl ketone (2-Butanone)	MG/KG	-	16	6	0.007	0.027	0.015	0	HA-04	3-3.5
Toluene	MG/KG	-	16	1	0.001	0.001	0.001	0	MW-10	8-10
Xylene (total)	MG/KG	-	16	1	0.002	0.002	0.002	0	MW-10	8-10
Semivolatile Organic Compounds										
4-Methylphenol (p-cresol)	MG/KG	-	16	2	1.60	6.30	3.95	0	HA-04	3-3.5
Atrazine	MG/KG	-	16	2	0.110	0.160	0.135	0	HA-05	3-3.5
Benzo(a)anthracene	MG/KG	-	16	4	0.110	0.160	0.123	0	HA-04	3-3.5
Benzo(a)pyrene	MG/KG	-	16	4	0.097	0.150	0.112	0	HA-04	3-3.5
Benzo(b)fluoranthene	MG/KG	-	16	4	0.130	0.230	0.173	0	HA-04	3-3.5
Benzo(g,h,i)perylene	MG/KG	-	16	1	0.100	0.100	0.100	0	HA-04	3-3.5
Benzo(k)fluoranthene	MG/KG	-	16	1	0.110	0.110	0.110	0	HA-04	3-3.5
bis(2-Ethylhexyl)phthalate	MG/KG	-	16	3	0.120	0.180	0.140	0	HA-05	3-3.5
Carbazole	MG/KG	-	16	4	0.160	0.190	0.178	0	HA-02	2-3
Chrysene	MG/KG	-	16	4	0.130	0.250	0.180	0	HA-04	3-3.5
Fluoranthene	MG/KG	-	16	4	0.230	0.500	0.338	0	HA-04	3-3.5
Indeno(1,2,3-cd)pyrene	MG/KG	-	16	1	0.098	0.098	0.098	0	HA-04	3-3.5
Naphthalene	MG/KG	-	16	2	0.097	0.150	0.124	0	HA-02	2-3
Phenanthrene	MG/KG	-	16	4	0.170	0.440	0.280	0	HA-04	3-3.5

*Criteria- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Concentration Exceeds Criteria

Only Detected Results Reported.

TABLE 4-35
STATISTICAL SUMMARY OF DETECTED ANALYTES IN OFF-SITE SUBSURFACE SOILS
SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Semivolatile Organic Compounds										
Phenol	MG/KG	-	16	2	0.100	0.210	0.155	0	HA-05	3-3.5
Pyrene	MG/KG	-	16	4	0.220	0.440	0.300	0	HA-04	3-3.5
Pesticide Organic Compounds										
4,4'-DDD	MG/KG	-	16	2	0.003	0.005	0.004	0	HA-05	3-3.5
4,4'-DDE	MG/KG	-	16	5	0.002	0.006	0.003	0	HA-05	3-3.5
4,4'-DDT	MG/KG	0.007	16	2	0.003	0.009	0.006	1	HA-02	2-3
alpha-Chlordane	MG/KG	-	16	2	0.001	0.001	0.001	0	HA-05	3-3.5
beta-BHC	MG/KG	-	16	1	0.001	0.001	0.001	0	HA-09	2-4
Dieldrin	MG/KG	-	16	3	0.014	0.041	0.029	0	HA-02	2-3
Heptachlor epoxide	MG/KG	-	16	1	0.001	0.001	0.001	0	HA-04	3-3.5
Herbicides										
2,4,5-T	MG/KG	-	16	2	0.006	0.009	0.008	0	HA-02	2-3
2,4,5-TP (Silvex)	MG/KG	-	16	1	0.004	0.004	0.004	0	HA-02	2-3
2,4-DB	MG/KG	-	16	2	0.008	0.008	0.008	0	MW-10	8-10
Dicamba	MG/KG	-	16	1	0.015	0.015	0.015	0	HA-09	2-4
Dinoseb	MG/KG	-	16	1	0.006	0.006	0.006	0	HA-05	3-3.5
Metals										
Aluminum	MG/KG	20400	16	16	6,240	1.44E+04	9,779	0	MW-10	2-4
Antimony	MG/KG	-	16	7	0.270	0.650	0.373	0	HA-02	2-3
Arsenic	MG/KG	13.3	16	16	1.80	17.90	4.46	1	HA-02	2-3

*Criteria- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Concentration Exceeds Criteria

Only Detected Results Reported.

TABLE 4-35
STATISTICAL SUMMARY OF DETECTED ANALYTES IN OFF-SITE SUBSURFACE SOILS
SITE BACKGROUND CRITERIA
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value	Depth Of Max
					Min	Max	Avg			
Metals										
Barium	MG/KG	-	16	16	45.10	147.0	70.81	0	HA-05	3-3.5
Beryllium	MG/KG	-	16	13	0.220	0.650	0.415	0	HA-07	2-4
Cadmium	MG/KG	-	16	1	0.140	0.140	0.140	0	HA-05	3-3.5
Calcium	MG/KG	34200	16	16	1,690	5.64E+04	9,328	1	MW-10	8-10
Chromium	MG/KG	486	16	16	10.70	37.60	17.81	0	HA-10	2-4
Cobalt	MG/KG	-	16	16	5.10	23.50	9.54	0	HA-09	2-4
Copper	MG/KG	-	16	16	9.70	63.40	20.44	0	HA-02	2-3
Iron	MG/KG	35000	16	16	1.29E+04	4.47E+04	2.08E+04	1	HA-10	2-4
Lead	MG/KG	66.8	16	16	6.50	495.0	98.17	7	HA-05	3-3.5
Magnesium	MG/KG	-	16	16	1,260	7,810	3,384	0	MW-10	8-10
Manganese	MG/KG	-	16	16	179.0	4,010	725.2	0	HA-09	2-4
Mercury	MG/KG	0.27	16	14	0.021	0.540	0.099	1	HA-02	2-3
Nickel	MG/KG	-	16	15	8.10	20.10	11.85	0	MW-10	6-8
Potassium	MG/KG	-	16	14	629.0	2,250	1,325	0	MW-10	2-4
Selenium	MG/KG	6.4	16	11	1.60	6.90	3.51	1	HA-10	2-4
Silver	MG/KG	3.6	16	11	1.60	4.50	2.44	1	HA-10	2-4
Sodium	MG/KG	-	16	5	167.0	706.0	309.2	0	MW-10	4-6
Thallium	MG/KG	-	16	3	0.250	8.50	3.82	0	HA-09	2-4
Vanadium	MG/KG	80	16	16	16.70	46.90	28.30	0	HA-10	2-4
Zinc	MG/KG	-	16	16	42.50	504.0	133.3	0	HA-05	3-3.5

*Criteria- Background subsurface soil concentrations from sample locations MW-01, MW-04, MW-05, MW-06 and MW-07, exceeding 6 NYCRR Part 375.6 and CP-51 Table 1, Unrestricted Use.

Concentration Exceeds Criteria

Only Detected Results Reported.

TABLE 4-36
SUMMARY OF DETECTED ANALYTES IN GROUNDWATER
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID			MW-01	MW-01	MW-02	MW-02	MW-03
Sample ID			MW-1	MW-01	MW-2	MW-02	MW-3
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			06/06/13	05/06/14	06/07/13	05/07/14	06/07/13
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
Acetone	UG/L	50					
Chlorobenzene	UG/L	5			24		
Xylene (total)	UG/L	5					
Semivolatile Organic Compounds							
Acenaphthene	UG/L	20					
Atrazine	UG/L	7.5			320 D	3.0 J	
bis(2-Ethylhexyl)phthalate	UG/L	5					
Di-n-butylphthalate	UG/L	50					
Di-n-octylphthalate	UG/L	50					
Naphthalene	UG/L	10		1.0 J			
Pesticide Organic Compounds							
Dieldrin	UG/L	0.004					
Herbicides							
2,4,5-TP (Silvex)	UG/L	0.26			0.27		
Dicamba	UG/L	0.44					0.11 J
Metals							
Aluminum	UG/L	-	57.3 J	53.1 J		62.3 J	51.3 J
Antimony	UG/L	3			2.3 J		1.7 J
Arsenic	UG/L	25			3.6 J		
Barium	UG/L	1000	55.9 J	65.9 J	44.7 J	54.7 J	25.1 J
Cadmium	UG/L	5		0.60 J			
Calcium	UG/L	-	96,500	119,000	75,400	39,600	99,200

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

- - No standards,criteria or guidance values. Empty cell or ND - Not detected.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-36
SUMMARY OF DETECTED ANALYTES IN GROUNDWATER
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID			MW-01	MW-01	MW-02	MW-02	MW-03
Sample ID			MW-1	MW-01	MW-2	MW-02	MW-3
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			06/06/13	05/06/14	06/07/13	05/07/14	06/07/13
Parameter	**Units**	**Criteria***					
Metals							
Chromium	UG/L	50					
Cobalt	UG/L	-			0.60 J		2.7 J
Copper	UG/L	200	0.70 J	0.80 J		2.0 J	1.3 J
Iron	UG/L	300	80.1 J	141	9,440	772	1,080
Lead	UG/L	25	14.3	6.1	18.9	4.7 J	17.2
Magnesium	UG/L	35000	20,200	25,700	9,590	8,160	13,800
Manganese	UG/L	300	1,740	3,220	846	363	268
Nickel	UG/L	100		2.1 J		2.1 J	
Potassium	UG/L	-	12,200 J	3,330 J	9,070 J	1,490 J	4,430 J
Silver	UG/L	50					
Sodium	UG/L	20000	299,000	332,000	33,600	20,600	158,000
Vanadium	UG/L	-	0.80 J		0.80 J	0.70 J	0.80 J
Zinc	UG/L	2000	11.6 J	18.3 J		22.5	178

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

- - No standards,criteria or guidance values. Empty cell or ND - Not detected.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-36
SUMMARY OF DETECTED ANALYTES IN GROUNDWATER
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID			MW-03	MW-04	MW-04	MW-04	MW-04
Sample ID			MW-03	DUP 06062013	MW-4	20140507-FD-2	MW-04
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			05/07/14	06/06/13	06/06/13	05/07/14	05/07/14
Parameter	**Units**	**Criteria***		Field Duplicate (1-1)		Field Duplicate (1-1)	
Volatile Organic Compounds							
Acetone	UG/L	50					
Chlorobenzene	UG/L	5					
Xylene (total)	UG/L	5					
Semivolatile Organic Compounds							
Acenaphthene	UG/L	20					
Atrazine	UG/L	7.5		3.0 J	2.0 J		
bis(2-Ethylhexyl)phthalate	UG/L	5				2.0 J	
Di-n-butylphthalate	UG/L	50					
Di-n-octylphthalate	UG/L	50					
Naphthalene	UG/L	10					
Pesticide Organic Compounds							
Dieldrin	UG/L	0.004					
Herbicides							
2,4,5-TP (Silvex)	UG/L	0.26					
Dicamba	UG/L	0.44					
Metals							
Aluminum	UG/L	-	11.6 J	43.2 J	48.8 J	55.5 J	73.6 J
Antimony	UG/L	3			2.5 J		
Arsenic	UG/L	25					
Barium	UG/L	1000	27.0 J	47.7 J	46.9 J	51.6 J	51.5 J
Cadmium	UG/L	5	0.30 J				
Calcium	UG/L	-	112,000	81,200	81,000	74,400	74,600

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

- - No standards,criteria or guidance values. Empty cell or ND - Not detected.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-36
SUMMARY OF DETECTED ANALYTES IN GROUNDWATER
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID			MW-03	MW-04	MW-04	MW-04	MW-04
Sample ID			MW-03	DUP 06062013	MW-4	20140507-FD-2	MW-04
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			05/07/14	06/06/13	06/06/13	05/07/14	05/07/14
Parameter	**Units**	**Criteria***		Field Duplicate (1-1)		Field Duplicate (1-1)	
Metals							
Chromium	UG/L	50					
Cobalt	UG/L	-			0.50 J		
Copper	UG/L	200	4.8 J	1.6 J	2.2 J	2.7 J	2.6 J
Iron	UG/L	300	2,780	46.5 J	55.8 J	46.7 J	47.2 J
Lead	UG/L	25	7.4	10.9	9.3	2.7 J	3.8 J
Magnesium	UG/L	35000	14,100	14,600	14,400	13,600	13,600
Manganese	UG/L	300	178	158	154	154	150 J
Nickel	UG/L	100	4.3 J				0.50 J
Potassium	UG/L	-	4,860 J	11,300 J	13,500 J	5,550	5,670 J
Silver	UG/L	50					
Sodium	UG/L	20000	123,000	254,000	250,000	399,000	397,000
Vanadium	UG/L	-	0.40 J	1.7 J	1.5 J	1.0 J	0.90 J
Zinc	UG/L	2000	527	8.7 J	8.4 J	14.5 J	12.7 J

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

- - No standards,criteria or guidance values. Empty cell or ND - Not detected.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-36
SUMMARY OF DETECTED ANALYTES IN GROUNDWATER
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID			MW-05	MW-05	MW-06	MW-06	MW-07
Sample ID			MW-5	MW-05	MW-6	MW-06	MW-07
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			06/06/13	05/06/14	06/06/13	05/06/14	05/07/14
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
Acetone	UG/L	50					
Chlorobenzene	UG/L	5					
Xylene (total)	UG/L	5					
Semivolatile Organic Compounds							
Acenaphthene	UG/L	20					
Atrazine	UG/L	7.5					
bis(2-Ethylhexyl)phthalate	UG/L	5		3.0 J			2.0 J
Di-n-butylphthalate	UG/L	50		1.0 J			
Di-n-octylphthalate	UG/L	50		1.0 J			
Naphthalene	UG/L	10					
Pesticide Organic Compounds							
Dieldrin	UG/L	0.004					
Herbicides							
2,4,5-TP (Silvex)	UG/L	0.26					
Dicamba	UG/L	0.44			0.16		
Metals							
Aluminum	UG/L	-	135 J	69.1 J	45.8 J	551	99.2 J
Antimony	UG/L	3	4.9 J				
Arsenic	UG/L	25					
Barium	UG/L	1000	270	265	106 J	109 J	38.8 J
Cadmium	UG/L	5		0.30 J		0.20 J	
Calcium	UG/L	-	82,300	133,000	154,000	104,000	76,000

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

- - No standards,criteria or guidance values. Empty cell or ND - Not detected.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-36
SUMMARY OF DETECTED ANALYTES IN GROUNDWATER
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID			MW-05	MW-05	MW-06	MW-06	MW-07
Sample ID			MW-5	MW-05	MW-6	MW-06	MW-07
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			06/06/13	05/06/14	06/06/13	05/06/14	05/07/14
Parameter	**Units**	**Criteria***					
Metals							
Chromium	UG/L	50					3.1 J
Cobalt	UG/L	-			2.4 J		
Copper	UG/L	200		1.9 J		1.3 J	1.8 J
Iron	UG/L	300	500	776	60.4 J	1,030	102
Lead	UG/L	25	15.6	5.8	13.5	7.1	5.1
Magnesium	UG/L	35000	23,000	33,100	44,300	18,000	22,600
Manganese	UG/L	300	117	170	274	164	361
Nickel	UG/L	100		3.4 J		3.9 J	1.2 J
Potassium	UG/L	-	20,100 J	16,300	25,600 J	8,750	1,800 J
Silver	UG/L	50					
Sodium	UG/L	20000	408,000	398,000	63,400	52,100	169,000
Vanadium	UG/L	-	1.0 J	0.40 J	1.8 J	2.0 J	0.70 J
Zinc	UG/L	2000	11.7 J	14.0 J	6.6 J	17.8 J	11.4 J

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

- - No standards,criteria or guidance values. Empty cell or ND - Not detected.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-36
SUMMARY OF DETECTED ANALYTES IN GROUNDWATER
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID			MW-08	MW-09	MW-10
Sample ID			MW-08	MW-09	MW-10
Matrix			Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-
Date Sampled			05/07/14	05/07/14	05/07/14
Parameter	**Units**	**Criteria***			
Volatile Organic Compounds					
Acetone	UG/L	50			8.0
Chlorobenzene	UG/L	5			
Xylene (total)	UG/L	5	4.0 J		
Semivolatile Organic Compounds					
Acenaphthene	UG/L	20	1.0 J		
Atrazine	UG/L	7.5	2.0 J		
bis(2-Ethylhexyl)phthalate	UG/L	5			
Di-n-butylphthalate	UG/L	50			
Di-n-octylphthalate	UG/L	50			
Naphthalene	UG/L	10			
Pesticide Organic Compounds					
Dieldrin	UG/L	0.004	0.15		
Herbicides					
2,4,5-TP (Silvex)	UG/L	0.26			0.53
Dicamba	UG/L	0.44			
Metals					
Aluminum	UG/L	-	16.9 J	112 J	57.7 J
Antimony	UG/L	3			
Arsenic	UG/L	25			
Barium	UG/L	1000	3.8 J	54.3 J	98.4 J
Cadmium	UG/L	5	1.0 J	0.40 J	
Calcium	UG/L	-	90,600	102,000	18,800

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

- - No standards,criteria or guidance values. Empty cell or ND - Not detected.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-36
SUMMARY OF DETECTED ANALYTES IN GROUNDWATER
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID			MW-08	MW-09	MW-10
Sample ID			MW-08	MW-09	MW-10
Matrix			Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-
Date Sampled			05/07/14	05/07/14	05/07/14
Parameter	**Units**	**Criteria***			
Metals					
Chromium	UG/L	50	2.4 J		
Cobalt	UG/L	-			
Copper	UG/L	200	28.8	2.7 J	8.7 J
Iron	UG/L	300	9,550	3,210	80.8 J
Lead	UG/L	25	12.9	10.2	3.5 J
Magnesium	UG/L	35000	13,900	17,800	9,250
Manganese	UG/L	300	487	176	45.7
Nickel	UG/L	100	1.1 J	8.6 J	8.8 J
Potassium	UG/L	-	6,100	4,830 J	95,600
Silver	UG/L	50	0.68 J		
Sodium	UG/L	20000	108,000	237,000	150,000
Vanadium	UG/L	-	0.80 J	0.80 J	3.6 J
Zinc	UG/L	2000	75.0	243	21.5

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

- - No standards,criteria or guidance values. Empty cell or ND - Not detected.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 4-37
STATISTICAL SUMMARY OF DETECTED ANALYTES IN JUNE 2013 GROUNDWATER SAMPLES
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value
					Min	Max	Avg		
Volatile Organic Compounds									
Chlorobenzene	UG/L	5	7	1	24.00	24.00	24.00	1	MW-02
Semivolatile Organic Compounds									
Atrazine	UG/L	7.5	7	3	2.00	320.0	108.3	1	MW-02
Herbicides									
2,4,5-TP (Silvex)	UG/L	0.26	7	1	0.270	0.270	0.270	1	MW-02
Dicamba	UG/L	0.44	7	2	0.110	0.160	0.135	0	MW-06
Metals									
Aluminum	UG/L	-	7	6	43.20	135.0	63.57	0	MW-05
Antimony	UG/L	3	7	4	1.70	4.90	2.85	1	MW-05
Arsenic	UG/L	25	7	1	3.60	3.60	3.60	0	MW-02
Barium	UG/L	1000	7	7	25.10	270.0	85.19	0	MW-05
Calcium	UG/L	-	7	7	7.54E+04	1.54E+05	9.57E+04	0	MW-06
Cobalt	UG/L	-	7	4	0.500	2.70	1.55	0	MW-03
Copper	UG/L	200	7	4	0.700	2.20	1.45	0	MW-04
Iron	UG/L	300	7	7	46.50	9,440	1,609	3	MW-02
Lead	UG/L	25	7	7	9.30	18.90	14.24	0	MW-02
Magnesium	UG/L	35000	7	7	9,590	4.43E+04	2.00E+04	1	MW-06

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

Concentration Exceeds Criteria

Only Detected Results Reported.

J:\Projects\1176892\DB\Stat.mde
Printed: 8/6/2014 2:56:45 PM
WHERE [MATRIX] = 'WG' AND [LOGDATE] BETWEEN #5/13/2013# AND #6/7/2013#;

TABLE 4-37
STATISTICAL SUMMARY OF DETECTED ANALYTES IN JUNE 2013 GROUNDWATER SAMPLES
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value
					Min	Max	Avg		
Metals									
Manganese	UG/L	300	7	7	117.0	1,740	508.1	2	MW-01
Potassium	UG/L	-	7	7	4,430	2.56E+04	1.37E+04	0	MW-06
Sodium	UG/L	20000	7	7	3.36E+04	4.08E+05	2.09E+05	7	MW-05
Vanadium	UG/L	-	7	7	0.800	1.80	1.20	0	MW-06
Zinc	UG/L	2000	7	6	6.60	178.0	37.50	0	MW-03

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

Concentration Exceeds Criteria

Only Detected Results Reported.

TABLE 4-38
STATISTICAL SUMMARY OF DETECTED ANALYTES IN MAY 2014 GROUNDWATER SAMPLES
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value
					Min	Max	Avg		
Volatile Organic Compounds									
Acetone	UG/L	50	11	1	8.00	8.00	8.00	0	MW-10
Xylene (total)	UG/L	5	11	1	4.00	4.00	4.00	0	MW-08
Semivolatile Organic Compounds									
Acenaphthene	UG/L	20	11	1	1.00	1.00	1.00	0	MW-08
Atrazine	UG/L	7.5	11	2	2.00	3.00	2.50	0	MW-02
bis(2-Ethylhexyl)phthalate	UG/L	5	11	3	2.00	3.00	2.33	0	MW-05
Di-n-butylphthalate	UG/L	50	11	1	1.00	1.00	1.00	0	MW-05
Di-n-octylphthalate	UG/L	50	11	1	1.00	1.00	1.00	0	MW-05
Naphthalene	UG/L	10	11	1	1.00	1.00	1.00	0	MW-01
Pesticide Organic Compounds									
Dieldrin	UG/L	0.004	11	1	0.150	0.150	0.150	1	MW-08
Herbicides									
2,4,5-TP (Silvex)	UG/L	0.26	11	1	0.530	0.530	0.530	1	MW-10
Metals									
Aluminum	UG/L	-	11	11	11.60	551.0	105.6	0	MW-06
Barium	UG/L	1000	11	11	3.80	265.0	74.55	0	MW-05

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

Concentration Exceeds Criteria

Only Detected Results Reported.

J:\Projects\1176892\DB\Stat.mde
Printed: 8/6/2014 2:58:32 PM
WHERE [MATRIX] = 'WG' AND [LOGDATE] BETWEEN #4/28/2014# AND #5/7/2014#;

TABLE 4-38
STATISTICAL SUMMARY OF DETECTED ANALYTES IN MAY 2014 GROUNDWATER SAMPLES
OLD AGWAY STORE REMEDIAL INVESTIGATION

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value
					Min	Max	Avg		
Metals									
Cadmium	UG/L	5	11	6	0.200	1.00	0.467	0	MW-08
Calcium	UG/L	-	11	11	1.88E+04	1.33E+05	8.58E+04	0	MW-05
Chromium	UG/L	50	11	2	2.40	3.10	2.75	0	MW-07
Copper	UG/L	200	11	11	0.800	28.80	5.28	0	MW-08
Iron	UG/L	300	11	11	46.70	9,550	1,685	6	MW-08
Lead	UG/L	25	11	11	2.70	12.90	6.30	0	MW-08
Magnesium	UG/L	35000	11	11	8,160	3.31E+04	1.73E+04	0	MW-05
Manganese	UG/L	300	11	11	45.70	3,220	497.2	4	MW-01
Nickel	UG/L	100	11	10	0.500	8.80	3.60	0	MW-10
Potassium	UG/L	-	11	11	1,490	9.56E+04	1.40E+04	0	MW-10
Silver	UG/L	50	11	1	0.680	0.680	0.680	0	MW-08
Sodium	UG/L	20000	11	11	2.06E+04	3.99E+05	2.17E+05	11	MW-04
Vanadium	UG/L	-	11	10	0.400	3.60	1.13	0	MW-10
Zinc	UG/L	2000	11	11	11.40	527.0	88.88	0	MW-03

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

Concentration Exceeds Criteria

Only Detected Results Reported.

TABLE 4-39
SUMMARY OF DETECTED ANALYTES IN LEACHATE SAMPLE
OLD AGWAY STORE REMEDIAL INVESTIGATION

Location ID			LEACHATE	LEACHATE
Sample ID			20140507-FD-1	LEACHATE
Matrix			GW Seep	GW Seep
Depth Interval (ft)			-	-
Date Sampled			05/07/14	05/07/14
Parameter	**Units**	**Criteria***	Field Duplicate (1-1)	
Semivolatile Organic Compounds				
Atrazine	UG/L	7.5	130 D	150 D
Pesticide Organic Compounds				
Aldrin	UG/L	ND	0.10	0.10
Dieldrin	UG/L	0.004	0.18	0.17
Metals				
Aluminum	UG/L	-	21.5 J	13.8 J
Barium	UG/L	1000	8.3 J	8.6 J
Cadmium	UG/L	5	0.20 J	0.20 J
Calcium	UG/L	-	113,000	112,000
Copper	UG/L	200	1.4 J	1.6 J
Iron	UG/L	300	2,380	2,340
Lead	UG/L	25	8.0	9.0
Magnesium	UG/L	35000	18,500	18,500
Manganese	UG/L	300	437	434
Nickel	UG/L	100	0.60 J	2.5 J
Potassium	UG/L	-	10,500	11,000
Silver	UG/L	50		0.45 J
Sodium	UG/L	20000	151,000	152,000
Vanadium	UG/L	-	1.0 J	1.0 J
Zinc	UG/L	2000	49.6	74.9

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

- - No standards,criteria or guidance values. Empty cell or ND - Not detected.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

Only Detected Results Reported.

TABLE 5-1
CONTAMINANTS OF POTENTIAL CONCERN
OLD AGWAY STORE REMEDIAL INVESTIGATION
BALLSTON SPA, SARATOGA COUNTY, NY

MATRIX	SOIL							GROUNDWATER			Leachate
	SITE		Off Site			Background (Upgradient)		SITE	Off-Site (Downgradient)	Background (Upgradient)	
	Shallow	Subsurface	Surface	Shallow	Subsurface	Shallow	Subsurface				
VOLATILE ORGANIC COMPOUNDS											
4-Methyl-2-pentanone	--	x	--	--	--	--	--	--	--	--	--
Acetone	x	**E**	--	**E**	**E**	--	**E**	--	x	--	--
Benzene	--	--	--	x	x	--	--	--	--	--	--
Carbon disulfide	--	x	--	x	--	--	--	--	--	--	--
Chlorobenzene	--	x	--	--	--	--	--	**E**	--	--	--
Ethylbenzene	--	x	--	x	--	--	--	--	--	--	--
Isopropylbenzene (Cumene)	--	--	--	x	--	--	--	--	--	--	--
Methyl Acetate	--	--	--	x	--	--	--	--	--	--	--
Methyl ethyl ketone (2-Butanone)	--	x	--	x	x	--	x	--	--	--	--
Methylene chloride	x	x	--	--	--	--	--	--	--	--	--
Toluene	x	x	--	x	x	--	--	--	--	--	--
Vinyl chloride	--	x	--	--	--	--	--	--	--	--	--
Xylene (total)	--	x	x	x	x	--	--	x	--	--	--
SEMIVOLATILE ORGANIC COMPOUNDS											
1,1-Biphenyl	--	x	--	x	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	--	**E**	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	--	**E**	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	x	**E**	--	x	--	x	x	--	--	--	--
2-Methylphenol (o-cresol)	--	x	--	--	--	--	--	--	--	--	--
4-Methylphenol (p-cresol)	--	**E**	--	--	**E**	--	--	--	--	--	--
Acenaphthene	--	x	--	x	--	--	--	x	--	--	--
Acenaphthylene	x	x	--	x	--	x	--	--	--	--	--
Acetophenone	--	x	--	--	--	--	--	--	--	--	--
Anthracene	x	x	--	x	--	x	--	--	--	--	--
Atrazine	--	x	--	--	x	--	--	**E**	x	--	E
Benzaldehyde	x	x	--	--	--	x	--	--	--	--	--
Benzo(a)anthracene	x	**E**	x	**E**	x	**E**	x	--	--	--	--
Benzo(a)pyrene	x	**E**	x	**E**	x	**E**	x	--	--	--	--
Benzo(b)fluoranthene	**E**	**E**	x	**E**	x	**E**	x	--	--	--	--
Benzo(g,h,i)perylene	x	x	--	x	x	x	x	--	--	--	--
Benzo(k)fluoranthene	x	**E**	x	**E**	x	**E**	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	x	x	x	x	x	x	x	--	x	x	--
Butylbenzylphthalate	--	x	--	--	--	x	--	--	--	--	--
Carbazole	x	x	--	x	x	x	--	--	--	--	--
Chrysene	x	**E**	x	**E**	x	**E**	x	--	--	--	--
Dibenz(a,h)anthracene	x	**E**	--	x	--	**E**	--	--	--	--	--
Dibenzofuran	--	x	--	x	--	--	--	--	--	--	--
Di-n-butylphthalate	--	--	--	**E**	--	--	--	--	x	--	--

TABLE 5-1
CONTAMINANTS OF POTENTIAL CONCERN
OLD AGWAY STORE REMEDIAL INVESTIGATION
BALLSTON SPA, SARATOGA COUNTY, NY

MATRIX	SOIL							GROUNDWATER			Leachate
	SITE		Off Site			Background (Upgradient)		SITE	Off-Site (Downgradient)	Background (Upgradient)	
	Shallow	Subsurface	Surface	Shallow	Subsurface	Shallow	Subsurface				
Di-n-octylphthalate	--	x	x	--	--	x	--	--	x	--	--
Fluoranthene	x	x	x	x	x	x	x	--	--	--	--
Fluorene	--	x	--	x	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	x	**E**	--	**E**	x	**E**	--	--	--	--	--
Isophorone	--	x	--	--	--	--	--	--	--	--	--
Naphthalene	x	x	--	x	x	--	--	--	--	x	--
Phenanthrene	x	x	x	x	x	x	x	--	--	--	--
Phenol	--	**E**	--	--	x	--	--	--	--	--	--
Pyrene	x	x	x	x	x	x	x	--	--	--	--
PESTICIDES											
4,4'-DDD	--	**E**	--	**E**	**E**	--	x	--	--	--	--
4,4'-DDE	**E**	**E**	**E**	**E**	**E**	x	x	--	--	--	--
4,4'-DDT	**E**	**E**	**E**	**E**	**E**	**E**	**E**	--	--	--	--
Aldrin	--	**E**	--	--	--	--	--	--	--	--	E
alpha-BHC	--	x	--	--	--	--	--	--	--	--	--
alpha-Chlordane	--	**E**	--	--	x	--	--	--	--	--	--
beta-BHC	x	x	x	x	x	x	--	--	--	--	--
delta-BHC	--	x	--	x	--	--	--	--	--	--	--
Dieldrin	--	**E**	x	**E**	**E**	--	x	**E**	--	--	E
Endosulfan I	--	x	--	--	--	x	x	--	--	--	--
Endosulfan II	x	x	--	--	--	--	x	--	--	--	--
Endosulfan sulfate	--	x	--	x	--	--	--	--	--	--	--
Endrin	--	**E**	--	x	--	--	--	--	--	--	--
Endrin aldehyde	--	x	--	--	--	x	--	--	--	--	--
Endrin ketone	--	x	--	x	--	--	--	--	--	--	--
gamma-BHC (Lindane)	--	x	x	x	--	x	--	--	--	--	--
gamma-Chlordane	--	x	--	--	--	x	--	--	--	--	--
Heptachlor	--	x	--	x	--	--	--	--	--	--	--
Heptachlor epoxide	--	x	--	--	x	--	--	--	--	--	--
Methoxychlor	x	x	--	x	--	x	--	--	--	--	--
HERBICIDES											
2,4,5-T	x	x	--	x	x	--	--	--	--	--	--
2,4,5-TP (Silvex)	x	x	--	--	x	--	x	**E**	**E**	--	--
2,4-D	x	**E**	--	--	--	--	x	--	--	--	--
2,4-DB	x	x	x	x	x	x	x	--	--	--	--
Dicamba	x	x	x	--	x	x	x	x	x	--	--
Dinoseb	x	x	--	x	x	--	x	--	--	--	--
Picrolam	--	x	--	--	--	--	--	--	--	--	--

TABLE 5-1
CONTAMINANTS OF POTENTIAL CONCERN
OLD AGWAY STORE REMEDIAL INVESTIGATION
BALLSTON SPA, SARATOGA COUNTY, NY

MATRIX	SOIL							GROUNDWATER			Leachate
	SITE		Off Site			Background (Upgradient)		SITE	Off-Site (Downgradient)	Background (Upgradient)	
	Shallow	Subsurface	Surface	Shallow	Subsurface	Shallow	Subsurface				
PCBS											
Aroclor 1260	--	--	--	--	--	x	--	--	--	--	--
METALS											
Aluminum	E	E	x	E	E	x	E	x	x	x	x
Antimony	x	x	x	x	x	x	x	x	E	--	--
Arsenic	E	x	x	E	E	x	E	x	--	--	--
Barium	x	x	x	x	x	x	x	x	x	x	x
Beryllium	x	x	x	x	x	x	x	--	--	--	--
Cadmium	--	x	x	--	x	x	--	x	x	x	x
Calcium	x	E	E	E	E	E	E	x	x	x	x
Chromium	x	E	E	E	E	E	E	x	--	x	--
Cobalt	x	x	x	x	E	x	x	x	x	--	--
Copper	E	E	E	E	E	E	x	x	x	x	x
Iron	E	E	E	E	E	E	E	E	E	x	E
Lead	E	E	E	E	E	E	E	x	x	x	x
Magnesium	x	x	x	x	x	x	x	x	E	x	x
Manganese	x	x	x	x	E	x	x	E	x	E	E
Mercury	x	E	x	x	E	E	E	--	--	--	--
Nickel	x	E	x	x	x	x	x	x	x	x	x
Potassium	x	x	x	x	x	x	x	x	x	x	x
Selenium	x	E	x	E	E	--	E	--	--	--	--
Silver	--	E	x	E	E	x	E	x	--	--	x
Sodium	--	x	x	x	x	x	x	E	E	E	E
Thallium	--	x	--	x	E	--	--	--	--	--	--
Vanadium	x	E	x	x	E	x	E	x	x	x	x
Zinc	x	E	E	E	E	E	x	x	x	x	x

E = Compound exceeds standard, criteria and guidance values (SCGs) in at least one sample.
x = Compound detected in at least one sample.
-- = Compound not detected in any samples.

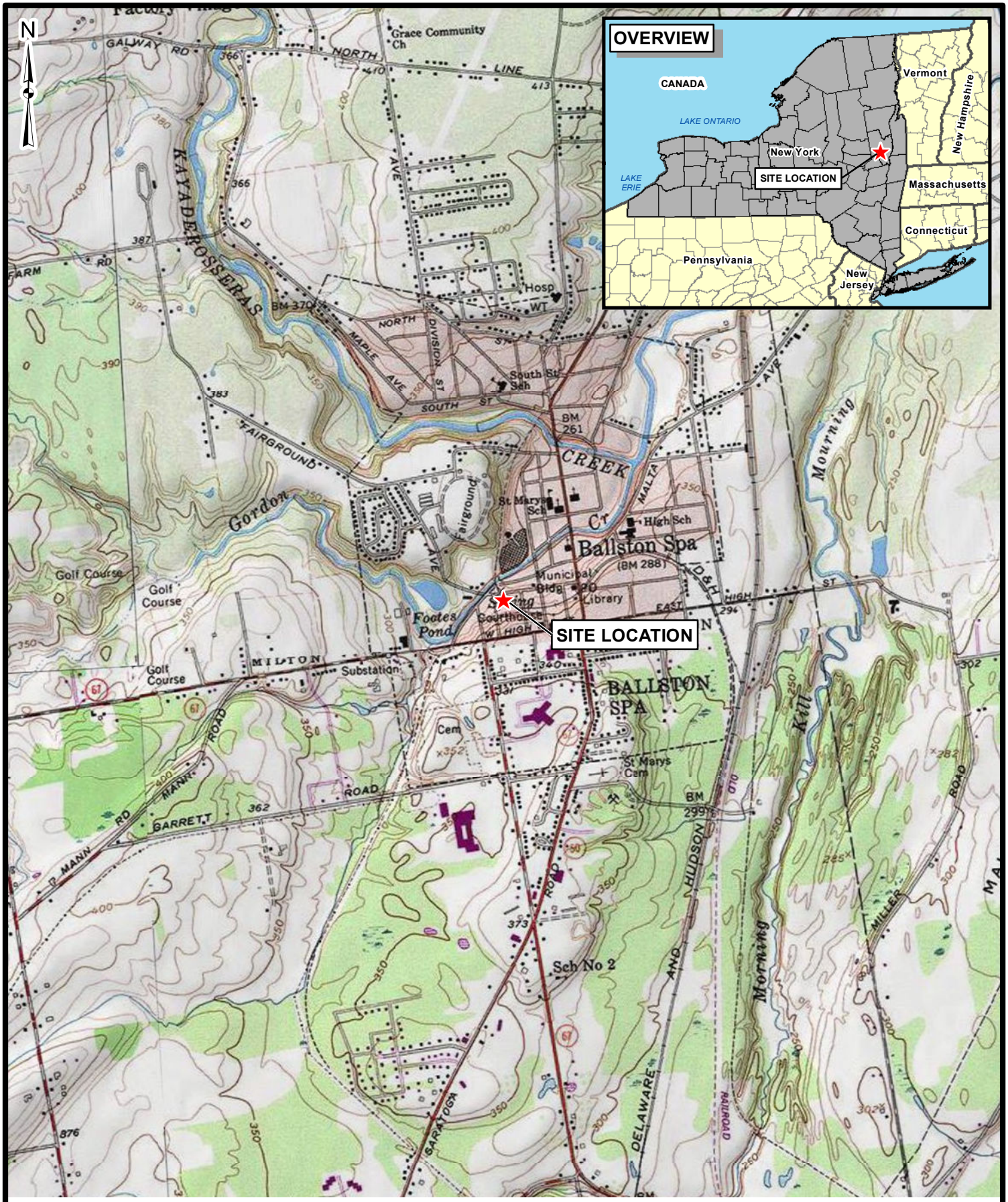
TABLE 6-1
POTENTIAL PATHWAYS OF EXPOSURE
CURRENT USE SCENARIO
OLD AGWAY STORE REMEDIAL INVESTIGATION

Potentially Contaminated Medium	Potential Route of Exposure	Potential Receptor Population	Pathway Complete?	Human Exposure Assessment
Site Subsurface Soil	Direct contact and incidental ingestion	Construction/Utility Workers	Yes	Disturbance of subsurface soil may occur during intrusive activities.
Off-Site Surface Soil	Direct contact and incidental ingestion	Residents	Yes	Residents may come in contact with contaminated surface soil.
Off-Site Shallow Soil	Direct contact and incidental ingestion	Residents	Yes	Residents may come in contact with contaminated shallow soil.
Off-Site Subsurface Soil	Direct contact and ingestion of contaminated vegetables	Residents	Yes	Residents may dig below a depth of 2 feet and/or plant gardens in off-site contaminated areas and eat the vegetables grown in the garden.
Groundwater	Direct contact, incidental ingestion	Construction/Utility workers	Yes	Disturbance of groundwater may occur during intrusive activities.
	Direct contact, incidental ingestion	Residents	Yes	Groundwater can pond in the off-site drain area thereby potentially exposing residents to contaminated groundwater.
	Ingestion	Residents	No	No current potable water use at or near site.

TABLE 6-2
POTENTIAL PATHWAYS OF EXPOSURE
FUTURE USE SCENARIO
OLD AGWAY STORE REMEDIAL INVESTIGATION

Potentially Contaminated Medium	Potential Route of Exposure	Potential Receptor Population	Pathway Complete?	Human Exposure Assessment
Site Subsurface Soil	Direct contact and incidental ingestion	Construction/Utility Workers	Yes	Disturbance of subsurface soil may occur during intrusive activities.
Off-Site Surface Soil	Direct contact and incidental ingestion	Residents	Yes	Residents may come in contact with contaminated surface and shallow soil.
Off-Site Subsurface Soil	Direct contact and ingestion of contaminated vegetables	Residents	Yes	Residents may dig below a depth of 2 feet and/or plant gardens in off-site contaminated areas and eat the vegetables grown in the garden.
Groundwater	Direct contact, incidental ingestion	Construction/Utility workers	Yes	Disturbance of groundwater may occur during intrusive activities.
	Direct contact, incidental ingestion	Residents	Yes	Groundwater can pond in the off-site drain area thereby potentially exposing residents to contaminated groundwater.
	Ingestion	Residents	No	No current potable water use at or near site.

FIGURES AND PLATES



Source: © 2013 National Geographic TOPO!

J:\Projects\11176892\GIS\MAPS\RI PHASE 2\01-01 SITE LOCATION.mxd 10/9/2014 MDB

URS

SITE LOCATION
OLD AGWAY STORE
REMEDIAL INVESTIGATION

FIGURE 1-1


N
OLD IRON SPRING
FRONT ST
WALNUT ST
FORMER DELAWARE & HUDSON RAIL LINE
MANHOLE
FOUNDATION WALL
SITE
OLD AGWAY STORE PROPERTY
COURT ST
APPROXIMATE LOCATION OF LEACHATE COLLECTION SYSTEM
GALWAY ST
WALNUT ST
SCIENCE ST
Legend
Property Line
Site
Source: ESRI World Imagery
50 0 50 Feet
SITE PLAN
OLD AGWAY STORE
REMEDIAL INVESTIGATION
URS
FIGURE 1-2
J:\Projects\11176892\GIS\MAPS\RI PHASE 2\01-02 SITE PLAN.mxd 10/9/2014 MDB

N

FRONT ST

WALNUT ST

WALNUT ST

SCIENCE ST

COURT ST

GALWAY ST

MW-06
MW-05
MW-04
HA-10
HA-11
MW-09
SS-03
SS-06
MW-10
HA-05
SB-05
MW-03
HA-04
HA-09
HA-03
SB-04
SB-03
SB-02
SS-05
HA-08
MW-08
SS-04
HA-02
HA-07
HA-01
SB-07
SB-06
MW-02
SB-01
SS-01
MW-01
HA-06
MW-07
SS-02

Legend

- Monitoring Well
- Soil Boring
- Hand Auger Sample Location
- Shallow Soil Sample Location
- Property Line

Source: ESRI World Imagery

50 0 50 Feet

SAMPLING LOCATIONS
OLD AGWAY STORE
REMEDIAL INVESTIGATION

URS

FIGURE 2-1

J:\Projects\11176892\GIS\MAPS\RI PHASE 2\02-01 SAMPLING LOCATIONS.mxd 10/9/2014 MDB

N

FRONT ST

WALNUT ST

WALNUT ST

SCIENCE ST

COURT ST

GALWAY ST

A

A'

MW-06
MW-05
MW-04
MW-10
MW-09
MW-03
MW-02
MW-01
MW-07
MW-08

HA-10
HA-11
HA-05
HA-04
HA-09
HA-03
HA-08
HA-02
HA-07
HA-01
HA-06

SB-05
SB-04
SB-03
SB-02
SB-07
SB-06
SB-01

SS-03
SS-06
SS-05
SS-04
SS-01
SS-02

Legend

- Monitoring Well
- Soil Boring
- Hand Auger Sample Location
- Shallow Soil Sample Location
- A — A' Cross-Section Location
- Property Line

Source: ESRI World Imagery

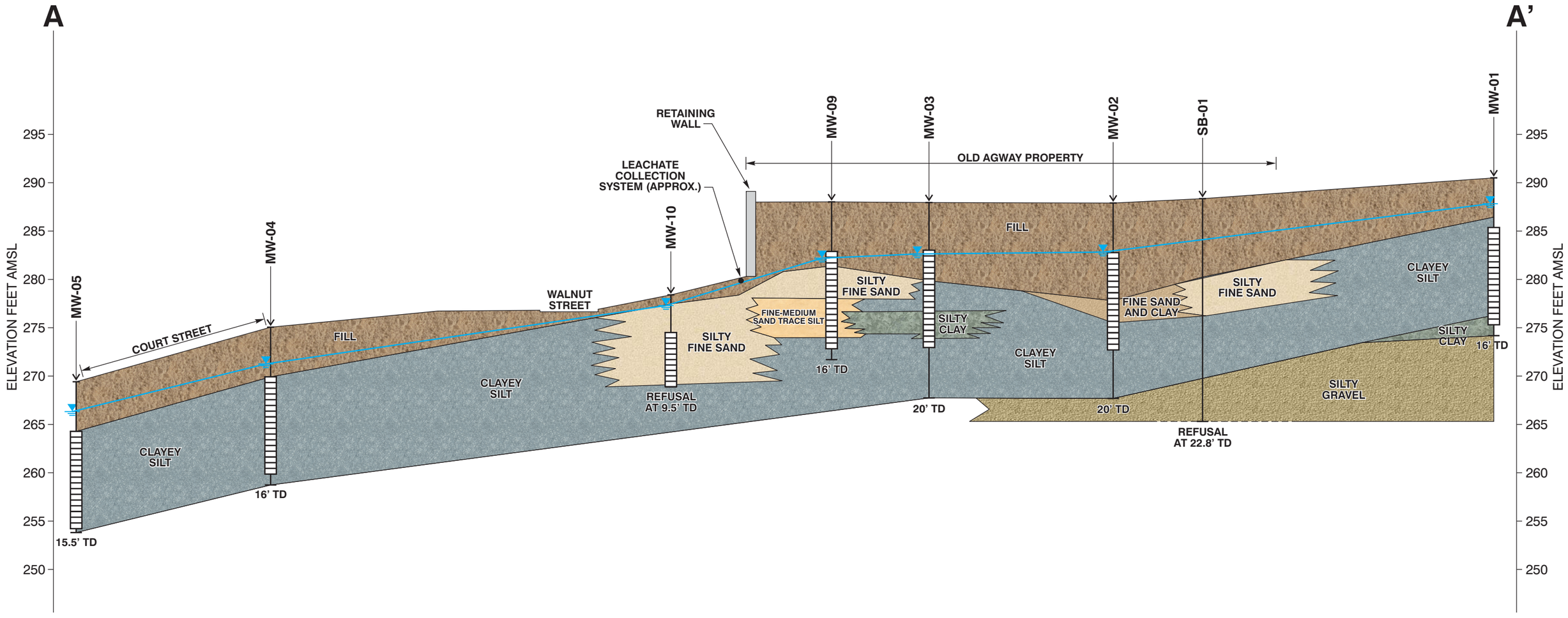
50 0 50 Feet

CROSS-SECTION LOCATION
OLD AGWAY STORE
REMEDIAL INVESTIGATION

URS

FIGURE 3-1

J:\Projects\11176892\GIS\MAPS\RI PHASE 2\03-01 CROSS-SECTION LOCATION.mxd 10/9/2014 MDB



Fill
Clayey Silt
Silty Fine Sand
Fine-Medium Sand Trace Silt
Fine Sand and Clay
Silty Clay
Silty Gravel

MW-01 ← Monitoring Well Number
← Potentiometric Surface 05/06/2014
← Screened Interval of Monitoring Well
← Borehole Termination
16' TD = Total Depth

NOTE: Water Level measurements taken on May 6, 2014.

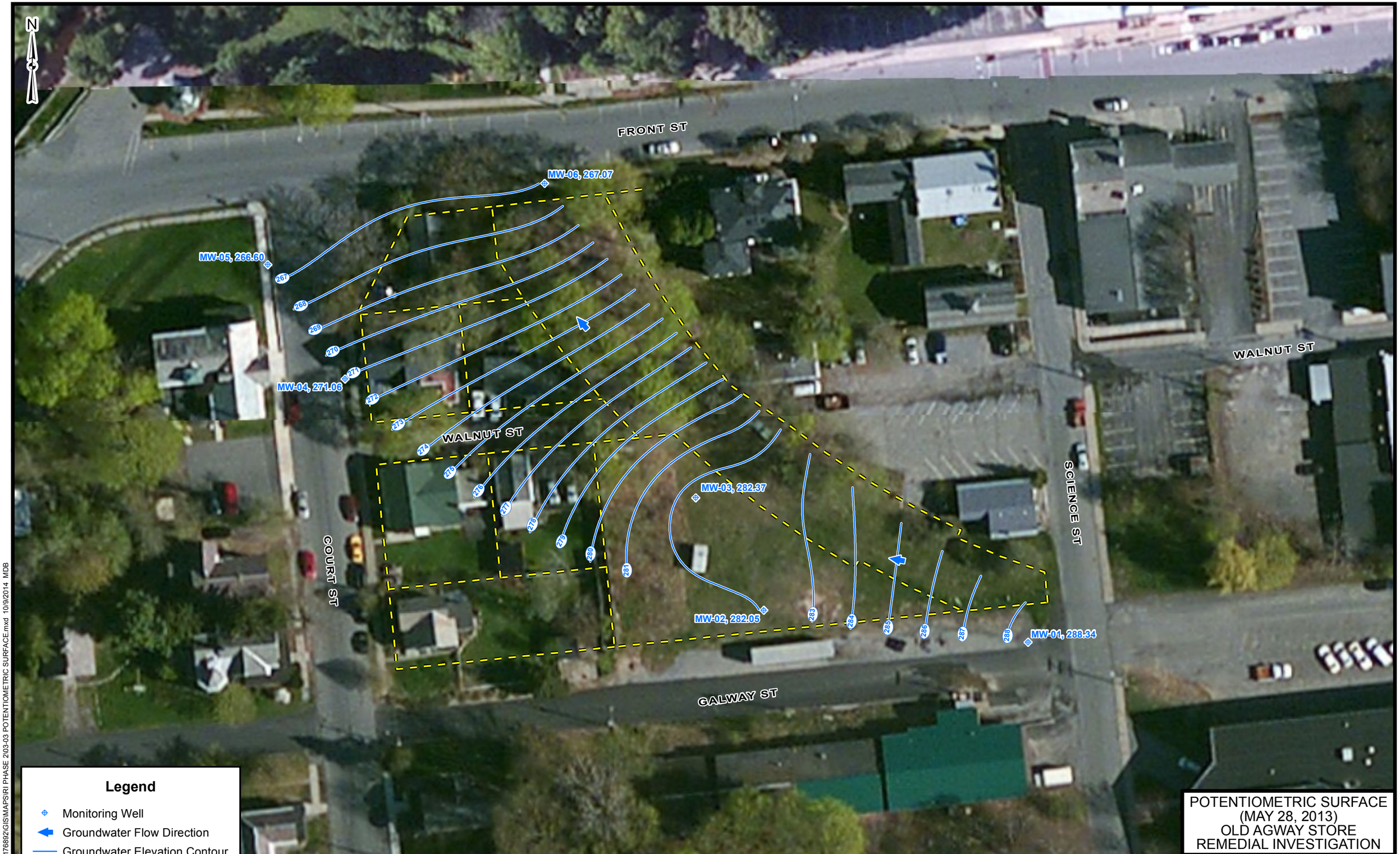
Horizontal Scale: 1" = 80'
Vertical Scale: 1" = 20'
4x Vertical Exaggeration

OLD AGWAY SITE
BALLSTON SPA, NEW YORK
GEOLOGIC CROSS SECTION A-A'

URS

FIGURE 3-2

AG20899A-11176892-071514-GCM

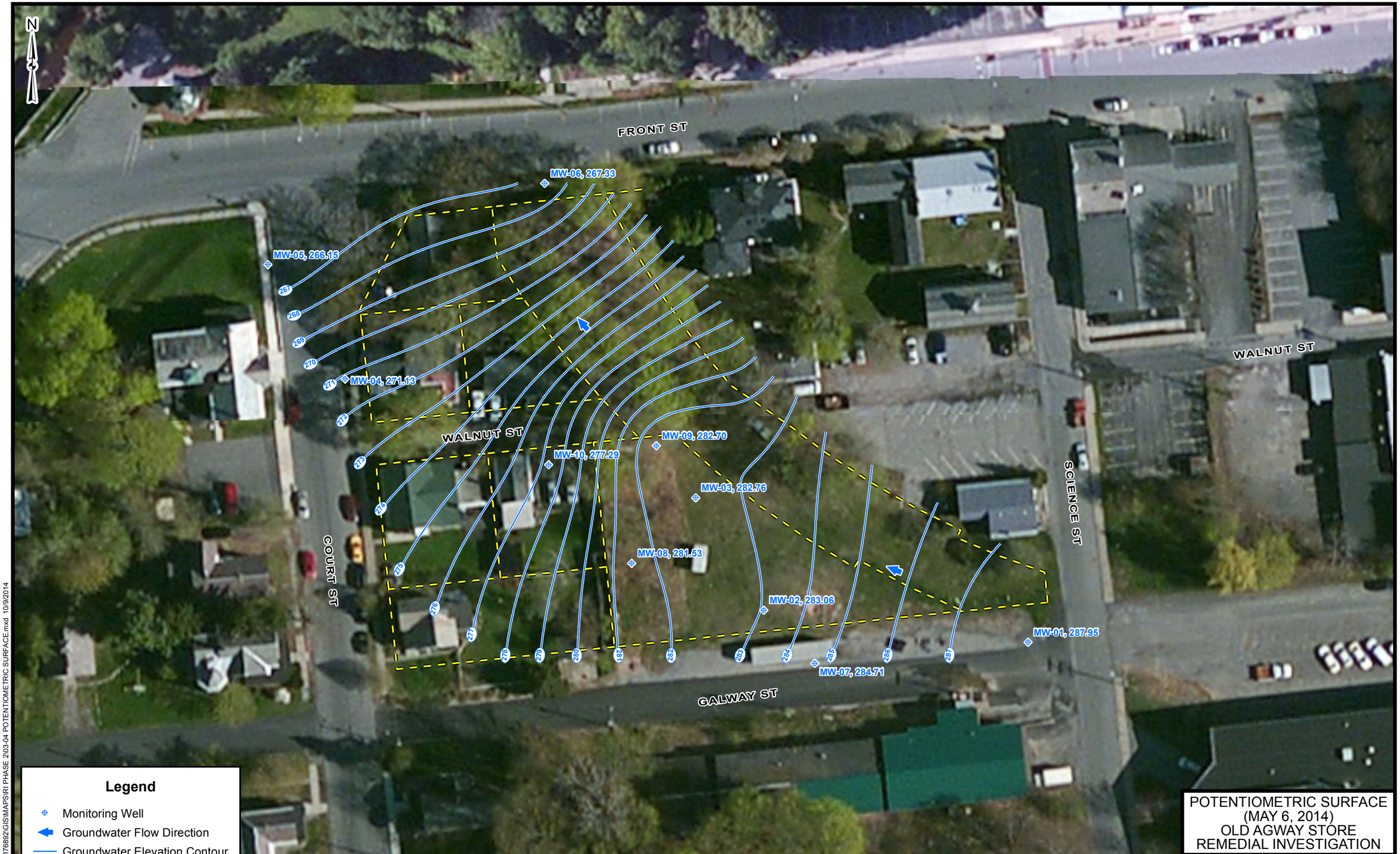


POTENTIOMETRIC SURFACE
(MAY 28, 2013)
OLD AGWAY STORE
REMEDIAL INVESTIGATION

URS

FIGURE 3-3

J:\Projects\11176892\GIS\MAPS\RI PHASE 2\03-03 POTENTIOMETRIC SURFACE.mxd 10/9/2014 MDB



J:\Projects\11176892\GIS\MAPS\RI PHASE 2\03-04 POTENTIOMETRIC SURFACE.mxd 10/9/2014

N

MW-05 (6' - 8')| CRIT 1 | 5/13

Metals:			
Calcium		10000	34200
Iron		2000	20500

No Exceedances

MW-04 (2' - 4')| CRIT 1 | 5/13

Metals:			
Iron		2000	16300
Mercury		0.18	0.27

SS-06 (0' - 0.5')| CRIT 1 | 5/13

Metals:			
Iron		2000	10500

SS-02 (0' - 0.5')| CRIT 1 | 5/13

Metals:			
Chromium		30	281
Copper		50	64.2
Iron		2000	12700
Lead		63	69.8
Mercury		0.18	0.2
Zinc		109	167

MW-07 (0' - 2')| CRIT 1 | 4/14

Metals:			
Iron		2000	3620
Lead		63	118

MW-07 (2' - 4')| CRIT 1 | 4/14

Pesticides:			
4,4'-DDT		0.0033	0.0073
Metals:			
Arsenic		13	13.3
Calcium		10000	30600
Chromium		30	486
Iron		2000	8870
Lead		63	64.3

MW-07 (4' - 6')| CRIT 1 | 4/14

VOCs:			
Acetone		0.05	0.07
Metals:			
Iron		2000	17700
Lead		63	66.8

MW-07 (6' - 8')| CRIT 1 | 4/14

VOCs:			
Acetone		0.05	0.089
Metals:			
Aluminum		10000	10800
Iron		2000	19600

MW-07 (8' - 10')| CRIT 1 | 4/14

Metals:			
Iron		2000	15400

MW-07 (10' - 12')| CRIT 1 | 4/14

Metals:			
Iron		2000	18000

MW-07 (12' - 14')| CRIT 1 | 4/14

Metals:			
Aluminum		10000	11400
Iron		2000	21200
Silver		2	2.1

MW-07 (14' - 16')| CRIT 1 | 4/14

Metals:			
Aluminum		10000	20400
Calcium		10000	19700
Chromium		30	32.5
Iron		2000	35000
Selenium		3.9	6.4
Silver		2	3.6
Vanadium		39	80

SS-01 (0' - 0.5') | CRIT 1 | 5/13

SVOCs:			
Benzo(a)anthracene		1	2.4
Benzo(a)pyrene		1	3.5
Benzo(b)fluoranthene		1	8
Benzo(k)fluoranthene		0.8	1.7
Chrysene		1	4.2
Dibenz(a,h)anthracene		0.33	0.56
Indeno(1,2,3-cd)pyrene		0.5	1.7
Pesticides:			
4,4'-DDT		0.0033	0.017
Metals:			
Chromium		30	39.7
Iron		2000	16600
Lead		63	116
Zinc		109	131

MW-01 (0' - 2')| CRIT 1 | 5/13

Pesticides:			
4,4'-DDT		0.0033	0.0058
Metals:			
Calcium		10000	17900
Iron		2000	17500
Lead		63	106

MW-01 (2' - 4')| CRIT 1 | 5/13

Metals:			
Iron		2000	8880

MW-01 (4' - 6')| CRIT 1 | 5/13

Metals:			
Iron		2000	20000

MW-01 (6' - 8')| CRIT 1 | 5/13

Metals:			
Aluminum		10000	10400
Iron		2000	26900
Vanadium		39	41.5

MW-01 (8' - 10')| CRIT 1 | 5/13

Metals:			
Iron		2000	24400

MW-01 (10' - 12')| CRIT 1 | 5/13

Metals:			
Aluminum		10000	10700
Iron		2000	25800
Vanadium		39	40.2

MW-01 (12' - 14')| CRIT 1 | 5/13

Metals:			
Aluminum		10000	10400
Iron		2000	23800

MW-01 (14' - 16')| CRIT 1 | 5/13

Metals:			
Aluminum		10000	11800
Iron		2000	25900

Legend

- Monitoring Well
- Shallow Soil Sample Location
- Property Line

Sample ID | Criteria (Unrestricted Use) | Sample Date

MW-01 | CRIT | 6/13

Metals: Manganese | 300 | 1740

Compound | Result (ug/L)

Note: Red denotes sample result exceeds criteria

50 0 50 Feet

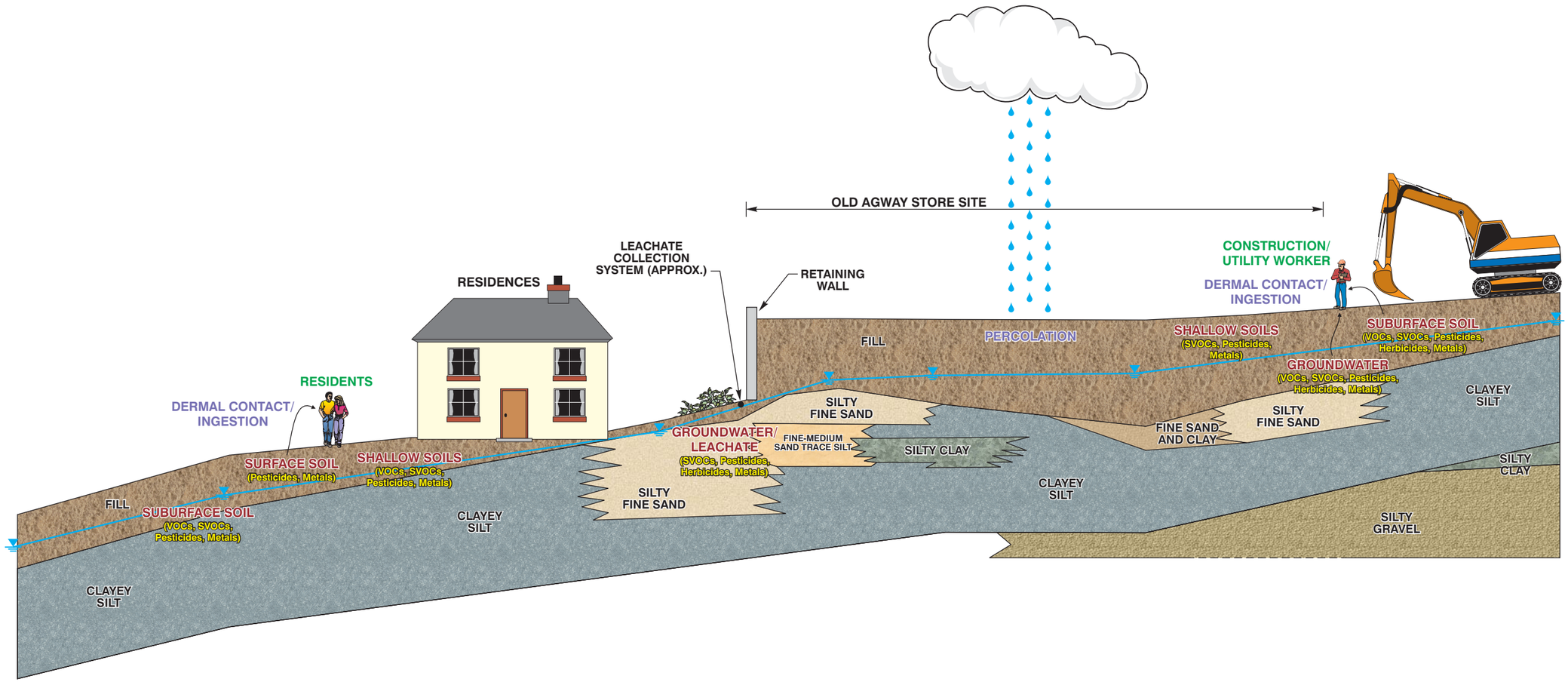
SITE BACKGROUND SOIL ANALYTICAL RESULTS OLD AGWAY STORE REMEDIAL INVESTIGATION

URS

FIGURE 4-1

J:\Projects\11776892\GIS\MAPS\RI PHASE 2\04-01 Site Background Soil Results.mxd 12/23/2014


N
FRONT ST
WALNUT ST
WALNUT ST
COURT ST
SCIENCE ST
GALWAY ST
MW-06 | CRIT | 6/13 | 5/14
Metals:
Iron | 300 | 60.4 | 1030
Magnesium | 35000 | 44300 | 18000
Sodium | 20000 | 63400 | 52100
MW-05 | CRIT | 6/13 | 5/14
Metals:
Antimony | 3 | 4.9 | ND
Iron | 300 | 500 | 776
Sodium | 20000 | 408000 | 398000
MW-04 | CRIT | 6/13 | 5/14
Metals:
Sodium | 20000 | 254000 | 399000
MW-09 | CRIT | 5/14
Metals:
Iron | 300 | 3210
Sodium | 20000 | 237000
MW-03 | CRIT | 6/13 | 5/14
Metals:
Iron | 300 | 1080 | 2780
Sodium | 20000 | 158000 | 123000
MW-10 | CRIT | 5/14
HERB:
2,4,5-TP (Silvex) | 0.26 | 0.53
Metals:
Sodium | 20000 | 150000
MW-08 | CRIT | 5/14
Pesticides:
Dieldrin | 0.004 | 0.15
Metals:
Iron | 300 | 9550
Manganese | 300 | 487
Sodium | 20000 | 108000
MW-07 | CRIT | 5/14
Metals:
Manganese | 300 | 361
Sodium | 20000 | 169000
MW-02 | CRIT | 6/13 | 5/14
VOCs:
Chlorobenzene | 5 | 24 | ND
SVOCs:
Atrazine | 7.5 | 320 | 3.0
HERB:
2,4,5-TP (Silvex) | 0.26 | 0.27 | ND
Metals:
Iron | 300 | 9440 | 772
Manganese | 300 | 846 | 363
Sodium | 20000 | 33600 | 20600
MW-01 | CRIT | 6/13 | 5/14
Metals:
Manganese | 300 | 1740 | 3220
Sodium | 20000 | 299000 | 332000
Legend
Monitoring Well
Property Line
Criteria (TOGS)
Sample ID
Sample Date
MW-01 | CRIT | 6/13
Metals:
Manganese | 300 | 1740
Compound
Result (ug/L)
Note: Red denotes sample result exceeds criteria
Criteria: NYSDEC TOGS (1.1.1), Ambient Water Quality Standards, Class GA
Source: ESRI World Imagery
50 0 50 Feet
GROUNDWATER ANALYTICAL RESULTS
OLD AGWAY STORE
REMEDIAL INVESTIGATION
URS
FIGURE 4-2
J:\Projects\11176892\GIS\MAPS\RI PHASE 2\04-02 GW ANALYTICAL_10.mxd 10/9/2014 MDL



LEGEND

RECEPTORS	SVOCs - Semi-Volatile Organic Compounds
EXPOSURE PATHWAY/ RELEASE MECHANISM	- Groundwater Elevation
SOURCE	

NOT TO SCALE

CONCEPTUAL SITE MODEL
OLD AGWAY STORE
REMEDIAL INVESTIGATION

URS

FIGURE 6-1

AG20907A-111176892-081114-GCM

N

SB-04 (0' - 0.5') | CRIT 1 | CRIT 2 | CRIT 3 | CRIT 4 | CRIT 5 | CRIT 6 | 5/13

Metals:							
Iron	2000	--	2000	--	--	17500	13500

SB-04 (2' - 4') | CRIT 1 | CRIT 2 | CRIT 3 | CRIT 4 | CRIT 5 | CRIT 7 | 5/13

Pesticides:							
4,4'-DDE	0.0033	17	1.8	8.9	62	--	0.0052
4,4'-DDT	0.0033	136	1.7	7.9	47	0.007	0.0059
Metals:							
Iron	2000	--	2000	--	--	35000	8650

SB-04 (4' - 6') | CRIT 1 | CRIT 2 | CRIT 3 | CRIT 4 | CRIT 5 | CRIT 7 | 5/13

Pesticides:							
4,4'-DDE	0.0033	17	1.8	8.9	62	--	0.0067
4,4'-DDT	0.0033	136	1.7	7.9	47	0.007	0.0066
Metals:							
Iron	2000	--	2000	--	--	35000	7310

SB-04 (6' - 8') | CRIT 1 | CRIT 2 | CRIT 3 | CRIT 4 | CRIT 5 | CRIT 7 | 5/13

SVOCs:							
2-Methylnaphthalene	0.41	36.4	0.41	--	--	--	3.7
4-Methylphenol (p-cresol)	0.33	0.33	34	100	500	--	1.4
Benzo(a)anthracene	1	1	1	1	5.6	--	1.4
Benzo(a)pyrene	1	22	1	1	1	--	1.4
Benzo(b)fluoranthene	1	1.7	1	1	5.6	--	3.3
Benzo(k)fluoranthene	1	1	1	3.9	56	--	0.86
Chrysene	1	1	1	3.9	56	--	3.3
Indeno(1,2,3-cd)pyrene	0.5	8.2	0.5	0.5	5.6	--	0.89
Pesticides:							
4,4'-DDD	0.0033	14	2.6	13	92	--	0.3
4,4'-DDE	0.0033	17	1.8	8.9	62	--	0.044
4,4'-DDT	0.0033	136	1.7	7.9	47	0.007	0.03
Aldrin	0.005	0.19	0.019	0.097	0.68	--	0.0072
Dieldrin	0.005	0.1	0.039	0.2	1.4	--	0.78
Metals:							
Iron	2000	--	2000	--	--	35000	4540

SB-04 (8' - 10') | CRIT 1 | CRIT 2 | CRIT 3 | CRIT 4 | CRIT 5 | CRIT 7 | 5/13

SVOCs:							
2-Methylnaphthalene	0.41	36.4	0.41	--	--	--	2.9
4-Methylphenol (p-cresol)	0.33	0.33	34	100	500	--	2.2
Benzo(a)anthracene	1	1	1	1	5.6	--	3.3
Benzo(a)pyrene	1	22	1	1	1	--	2.9
Benzo(b)fluoranthene	1	1.7	1	1	5.6	--	6.2
Benzo(k)fluoranthene	0.8	1.7	1	3.9	56	--	2.8
Chrysene	1	1	1	3.9	56	--	5.6
Dibenz(a,h)anthracene	0.33	1000	0.33	0.33	0.56	--	0.54
Indeno(1,2,3-cd)pyrene	0.5	8.2	0.5	0.5	5.6	--	3.7
Phenol	0.33	0.33	100	100	500	--	0.81
Pesticides:							
4,4'-DDD	0.0033	14	2.6	13	92	--	0.91
4,4'-DDE	0.0033	17	1.8	8.9	62	--	0.31
4,4'-DDT	0.0033	136	1.7	7.9	47	0.007	0.045
Aldrin	0.005	0.19	0.019	0.097	0.68	--	0.0048
Dieldrin	0.005	0.1	0.039	0.2	1.4	--	1.3
Endrin	0.014	0.06	2.2	11	89	--	0.019
Metals:							
Calcium	10000	--	--	--	--	34200	14300
Iron	2000	--	2000	--	--	35000	11100

SB-04 (10' - 12') | CRIT 1 | CRIT 2 | CRIT 3 | CRIT 4 | CRIT 5 | CRIT 7 | 5/13

SVOCs:							
2-Methylnaphthalene	0.41	36.4	0.41	--	--	--	0.65
4-Methylphenol (p-cresol)	0.33	0.33	34	100	500	--	0.57
Pesticides:							
4,4'-DDD	0.0033	14	2.6	13	92	--	0.17
4,4'-DDE	0.0033	17	1.8	8.9	62	--	0.043
4,4'-DDT	0.0033	136	1.7	7.9	47	0.007	0.012
Aldrin	0.005	0.19	0.019	0.097	0.68	--	0.021
Dieldrin	0.005	0.1	0.039	0.2	1.4	--	0.33

SB-04 (12' - 14') | CRIT 1 | CRIT 2 | CRIT 3 | CRIT 4 | CRIT 5 | CRIT 7 | 5/13

Metals:							
Aluminum	10000	--	--	--	--	11800	11000
Iron	2000	--	2000	--	--	35000	22500

SB-04 (14' - 16') | CRIT 1 | CRIT 2 | CRIT 3 | CRIT 4 | CRIT 5 | CRIT 7 | 5/13

Metals:							
Aluminum	10000	--	--	--	--	11800	12400
Calcium	10000	--	--	--	--	34200	22700
Iron	2000	--	2000	--	--	35000	25300

SB-04 (16' - 18') | CRIT 1 | CRIT 2 | CRIT 3 | CRIT 4 | CRIT 5 | CRIT 7 | 5/13

Metals:							
Calcium	10000	--	--	--	--	34200	16500
Iron	2000	--	2000	--	--	35000	17800

SB-04 (18' - 20') | CRIT 1 | CRIT 2 | CRIT 3 | CRIT 4 | CRIT 5 | CRIT 7 | 5/13

Metals:							
Aluminum	10000	--	--	--	--	20400	13600
Calcium	10000	--	--	--	--	34200	14200
Iron	2000	--	2000	--	--	35000	27400

SB-05 (0' - 0.5') | CRIT 1 | CRIT 2 | CRIT 3 | CRIT 4 | CRIT 5 | CRIT 6 | 5/13

Metals:							
Iron	2000	--	2000	--	--	17500	13700

SB-05 (0' - 2') | CRIT 1 | CRIT 2 | CRIT 3 | CRIT 4 | CRIT 5 | CRIT 6 | 5/13

Metals:							
Iron	2000	--	2000	--	--	17500	7040

SB-05 (2' - 4') | CRIT 1 | CRIT 2 | CRIT 3 | CRIT 4 | CRIT 5 | CRIT 7 | 5/13

Metals:							
Iron	2000	--	2000	--	--	35000	6220

SB-05 (4' - 6') | CRIT 1 | CRIT 2 | CRIT 3 | CRIT 4 | CRIT 5 | CRIT 7 | 5/13

Pesticides:							
4,4'-DDD	0.0033	14	2.6	13	92	--	0.0069
4,4'-DDE	0.0033	17	1.8	8.9	62	--	0.0063
Metals:							
Iron	2000	--	2000	--	--	35000	6110

SB-05 (6' - 8') | CRIT 1 | CRIT 2 | CRIT 3 | CRIT 4 | CRIT 5 | CRIT 7 | 5/13

Pesticides:							
4,4'-DDD	0.0033	14	2.6	13	92	--	0.0015
4,4'-DDE	0.0033	17	1.8	8.9	62	--	0.0041
Dieldrin	0.005	0.1	0.039	0.2	1.4	--	0.03
Metals:							
Iron	2000	--	2000	--	--	35000	7950

SB-05 (8' - 10') | CRIT 1 | CRIT 2 | CRIT 3 | CRIT 4 | CRIT 5 | CRIT 7 | 4/14

Pesticides:							
Dieldrin	0.005	0.1	0.039	0.2	1.4	--	0.013

SB-05 (10' - 12') | CRIT 1 | CRIT 2 | CRIT 3 | CRIT 4 | CRIT 5 | CRIT 7 | 5/13

Pesticides:							
4,4'-DDD	0.0033	14	2.6	13	92	--	0.041
4,4'-DDE	0.0033	17	1.8	8.9	62	--	0.01
Aldrin	0.005	0.19	0.019	0.097	0.68	--	0.27
Dieldrin	0.005	0.1	0.039	0.2	1.4	--	0.07

SB-05 (12' - 14') | CRIT 1 | CRIT 2 | CRIT 3 | CRIT 4 | CRIT 5 | CRIT 7 | 5/13

Pesticides:							
4,4'-DDD	0.0033	14	2.6	13	92	--	0.0048
Aldrin	0.005	0.19	0.019	0.097	0.68	--	0.097
Dieldrin	0.005	0.1	0.039	0.2	1.4	--	0.012

SB-05 (14' - 16') | CRIT 1 | CRIT 2 | CRIT 3 | CRIT 4 | CRIT 5 | CRIT 7 | 5/13

Metals:							
Calcium	10000	--	--	--	--	34200	13300
Iron	2000	--	2000	--	--	35000	21600

SB-05 (16' - 18') | CRIT 1 | CRIT 2 | CRIT 3 | CRIT 4 | CRIT 5 | CRIT 7 | 5/13

Metals:							
Aluminum	10000	--	--	--	--	20400	18200
Calcium	10000	--	--	--	--	34200	21200
Iron	2000	--	2000	--	--	35000	19300

SB-05 (18' - 20') | CRIT 1 | CRIT 2 | CRIT 3 | CRIT 4 | CRIT 5 | CRIT 7 | 5/13

Metals:							
Calcium	10000	--	--	--	--	34200	35200
Iron	2000	--	2000	--	--	35000	18600

SB-06 (0' - 0.5') | CRIT 1 | CRIT 2 | CRIT 3 | CRIT 4 | CRIT 5 | CRIT 6 | 5/13

Metals:							
Iron	2000	--	2000	--	--	17500	11800

SB-06 (0' - 2') | CRIT 1 | CRIT 2 | CRIT 3 | CRIT 4 | CRIT 5 | CRIT 6 | 5/13

Metals:							
Iron	2000	--	2000	--	--	17500	12200

SB-06 (2' - 4') | CRIT 1 | CRIT 2 | CRIT 3 | CRIT 4 | CRIT 5 | CRIT 7 | 5/13

Metals:							
Iron	2000	--	2000	--	--	35000	8510

SB-06 (4' - 6') | CRIT 1 | CRIT 2 | CRIT 3 | CRIT 4 | CRIT 5 | CRIT 7 | 5/13

Metals:							
Iron	2000	--	2000	--	--	35000	7760

SB-06 (6' - 8') | CRIT 1 | CRIT 2 | CRIT 3 | CRIT 4 | CRIT 5 | CRIT 7 | 5/13

Pesticides:							
4,4'-DDD	0.0033	14	2.6	13	92	--	0.0068
4,4'-DDE	0.0033	17	1.8	8.9	62	--	0.007
Metals:							
Iron	2000	--	2000	--	--	35000	7060

SB-06 (8' - 10') | CRIT 1 | CRIT 2 | CRIT 3 | CRIT 4 | CRIT 5 | CRIT 7 | 5/13

SVOCs:							
Benzo(b)fluoranthene	1	1.7	1	1	5.6	--	1.1
Chrysene	1	1	1	3.9	56	--	1.2
Metals:							
Iron	2000	--	2000	--	--	35000	2720

SB-06 (10' - 12') | CRIT 1 | CRIT 2 | CRIT 3 | CRIT 4 | CRIT 5 | CRIT 7 | 5/13

VOCs:							
Acetone	0.05	0.05	100	100	500	0.089	0.051
Metals:							
Aluminum	10000	--	--	--	--	20400	17200
Iron	2000	--	2000	--	--	35000	22800

SB-06 (12' - 14') | CRIT 1 | CRIT 2 | CRIT 3 | CRIT 4 | CRIT 5 | CRIT 7 | 5/13

Metals:							
Iron	2000	--	2000	--	--	35000	29300

SB-06 (14' - 16') | CRIT 1 | CRIT 2 | CRIT 3 | CRIT 4 | CRIT 5 | CRIT 7 | 5/13

Metals:							
Aluminum	10000	--	--	--	--	20400	16900
Iron	2000	--	2000	--	--	35000	22800

SB-06 (16' - 18') | CRIT 1 | CRIT 2 | CRIT 3 | CRIT 4 | CRIT 5 | CRIT 7 | 5/13

Metals:							
Calcium	10000	--	--	--	--	34200	16700
Iron	2000	--	2000	--	--	35000	19500

SB-06 (18' - 20') | CRIT 1 | CRIT 2 | CRIT 3 | CRIT 4 | CRIT 5 | CRIT 7 | 5/13

Metals:							
Calcium	10000	--	--	--	--	34200	44700
Iron	2000	--	2000	--	--	35000	16800

SB-07 (0' - 0.5') | CRIT 1 | CRIT 2 | CRIT 3 | CRIT 4 | CRIT 5 | CRIT 6 | 5/13

Metals:							
Iron	2000	--	2000	--	--	17500	12100

SB-07 (0' - 2') | CRIT 1 | CRIT 2 | CRIT 3 | CRIT 4 | CRIT 5 | CRIT 6 | 5/13

Metals:							
Aluminum	10000	--	--	--	--	20400	10300
Iron	2000	--	2000	--	--	17500	19600

SB-07 (2' - 4') | CRIT 1 | CRIT 2 | CRIT 3 | CRIT 4 | CRIT 5 | CRIT 7 | 5/13

Pesticides:							
4,4'-DDT	0.0033	136	1.7	7.9	47	0.007	0.0047

SB-07 (4' - 6') | CRIT 1 | CRIT 2 | CRIT 3 | CRIT 4 | CRIT 5 | CRIT 7 | 5/13

Pesticides:							
4,4'-DDE	0.0033	17	1.8	8.9	62	--	0.0084
4,4'-DDT	0.0033	136	1.7	7.9	47	0.007	0.0051
Dieldrin	0.005	0.1	0.039	0.2	1.4	--	0.0072
Metals:							
Iron	2000	--	2000	--	--	35000	8400

SB-07 (6' - 8') | CRIT 1 | CRIT 2 | CRIT 3 | CRIT 4 | CRIT 5 | CRIT 7 | 5/13

SVOCs:							
2-Methylnaphthalene	0.41	36.4	0.41	--	--	--	0.58
Pesticides:							
4,4'-DDD	0.0033	14	2.6	13	92	--	0.19
4,4'-DDE	0.0033	17	1.8	8.9	62	--	0.086
4,4'-DDT	0.0033	136	1.7	7.9	47	0.007	0.0034
Aldrin	0.005	0.19	0.019	0.097	0.68	--	0.12
Dieldrin	0.005	0.1	0.039	0.2	1.4	--	0.67

SB-07 (8' - 10') | CRIT 1 | CRIT 2 | CRIT 3 | CRIT 4 | CRIT 5 | CRIT 7 | 5/13

Pesticides:							
4,4'-DDD	0.0033	14	2.6	13	92	--	0.037
4,4'-DDE	0.0033	17	1.8	8.9	62	--	0.012
4,4'-DDT	0.0033	136	1.7	7.9	47	0.007	0.0035
Aldrin	0.005	0.19	0.019	0.097	0.68	--	0.0089
Dieldrin	0.005	0.1	0.039	0.2	1.4	--	0.17

SB-07 (10' - 12') | CRIT 1 | CRIT 2 | CRIT 3 | CRIT 4 | CRIT 5 | CRIT 7 | 5/13

Pesticides:							
4,4'-DDD	0.0033	14	2.6	13	92	--	0.03
Dieldrin	0.005	0.1	0.039	0.2	1.4	--	0.036

SB-07 (12' - 14') | CRIT 1 | CRIT 2 | CRIT 3 | CRIT 4 | CRIT 5 | CRIT 7 | 5/13

Pesticides:							
Dieldrin	0.005	0.1	0.039	0.2	1.4	--	0.011
Metals:							
Aluminum	10000	--	--	--	--	20400	11100
Iron	2000	--	2000	--	--	35000	20800

SB-07 (16' - 18') | CRIT 1 | CRIT 2 | CRIT 3 | CRIT 4 | CRIT 5 | CRIT 7 | 5/13

Metals:							
Calcium	10000	--	--	--	--	34200	16300
Iron	2000	--	2000	--	--	35000	20600

SB-07 (18' - 20') | CRIT 1 | CRIT 2 | CRIT 3 | CRIT 4 | CRIT 5 | CRIT 7 | 5/13

Metals:							
Calcium	10000	--	--	--	--	34200	20500
Iron	2000	--	2000	--	--	35000	19200

MW-09 (0' - 2') | CRIT 1 | CRIT 2 | CRIT 3 | CRIT 4 | CRIT 5 | CRIT 6 | 4/14

Metals:							
Iron	2000	--	2000	--	--	17500	9740

MW-09 (2' - 4') | CRIT 1 | CRIT 2 | CRIT 3 | CRIT 4 | CRIT 5 | CRIT 7 | 4/14

Metals:							
Iron	2000	--	2000	--	--	35000	11300

MW-09 (4' - 6') | CRIT 1 | CRIT 2 | CRIT 3 | CRIT 4 | CRIT 5 | CRIT 7 | 4/14

Metals:							
Aluminum	10000	--	--	--	--	20400	12500
Iron	2000	--	2000	--	--	35000	21300
Selenium	3.9	4	36	180	1500	6.4	4.3
Silver	2	8.3	36	180	1500	3.6	2.2

MW-09 (6' - 8') | CRIT 1 | CRIT 2 | CRIT 3 | CRIT 4 | CRIT 5 | CRIT 7 | 4/14

Metals:							
Iron	2000	--	2000	--	--	35000	17200

MW-09 (8' - 10') | CRIT 1 | CRIT 2 | CRIT 3 | CRIT 4 | CRIT 5 | CRIT 7 | 4/14

Metals:							
Calcium	10000	--	--	--	--	34200	15500
Copper	50	1720	270	270	270	--	107
Iron	2000	--	2000	--	--	35000	15600
Lead	63	450	400	400	1000	66.8	1890
Mercury	0.18	0.73	0.81	0.81	2.8	0.27	0.51
Selenium	3.9	4	36	180	1500	6.4	5.4
Zinc	109	2480	2200	10000	10000	--	410

MW-09 (10' - 12') | CRIT 1 | CRIT 2 | CRIT 3 | CRIT 4 | CRIT 5 | CRIT 7 | 4/14

Metals:							
Copper	50	1720	270	270	270	--	141
Iron	2000	--	2000	--	--	35000	16400
Lead	63	450	400	400	1000	66.8	573
Selenium	3.9	4	36	180	1500	6.4	4.8
Silver	2	8.3	36	180	1500	3.6	2.2
Zinc	109	2480	2200	10000	10000	--	330

MW-09 (12' - 14') | CRIT 1 | CRIT 2 | CRIT 3 | CRIT 4 | CRIT 5 | CRIT 7 | 4/14

Metals:							
Copper	50	1720	270	270	270	--	76.2
Iron	2000	--	2000	--	--	35000	18100
Lead	63	450	400	400	1000	66.8	211
Zinc	109	2480	2200	10000	10000	--	1310

MW-09 (14' - 16') | CRIT 1 | CRIT 2 | CRIT 3 | CRIT 4 | CRIT 5 | CRIT 7 | 4/14

Metals:							
Aluminum	10000	--	--	--	--	20400	12200
Iron	2000	--	2000	--	--	35000	26100
Selenium	3.9	4	36	180	1500	6.4	4.2
Silver	2	8.3	36	180	1500	3.6	2.2
Vanadium	30	--	100	--	--	80	40.4

MW-03 (0' - 0.5') | CRIT 1 | CRIT 2 | CRIT 3 | CRIT 4 | CRIT 5 | CRIT 6 | 5/13

Metals:							
Iron	2000	--	2000	--	--	17500	10200

MW-03 (0' - 2') | CRIT 1 | CRIT 2 | CRIT 3 | CRIT 4 | CRIT 5 | CRIT 6 | 5/13

Metals:							
Iron	2000	--	2000	--	--	17500	7080

MW-03 (2' - 4') | CRIT 1 | CRIT 2 | CRIT 3 | CRIT 4 | CRIT 5 | CRIT 7 | 5/13

Pesticides:							
4,4'-DDE	0.0033	17	1.8	8.9	62	--	0.0035
4,4'-DDT	0.0033	136	1.7	7.9	47	0.007	0.0036
Metals:							
Iron	2000	--	2000	--	--	35000	6620

MW-03 (4' - 6') | CRIT 1 | CRIT 2 | CRIT 3 | CRIT 4 | CRIT 5 | CRIT 7 | 5/13

SVOCs:							
Benzo(a)anthracene	1	1	1	1	5.6	--	2.4
Benzo(a)pyrene	1	22	1	1	1	--	1.9
Benzo(b)fluoranthene	1	1.7	1	1	5.6	--	2.3
Chrysene	1	1	1	3.9	56	--	4.3
Indeno(1,2,3-cd)pyrene	0.5	8.2	0.5	0.5	5.6	--	0.73
Pesticides:							
4,4'-DDT	0.0033	136	1.7	7.9	47	0.007	0.0047

MW-03 (6' - 8') | CRIT 1 | CRIT 2 | CRIT 3 | CRIT 4 | CRIT 5 | CRIT 7 | 5/13

Pesticides:							
4,4'-DDD	0.0033	14	2.6	13	92	--	0.0054
4,4'-DDE	0.0033	17	1.8	8.9	62	--	0.0058

MW-03 (8' - 10') | CRIT 1 | CRIT 2 | CRIT 3 | CRIT 4 | CRIT 5 | CRIT 7 | 5/13

VOCs:							
Acetone	0.05	0.05	100	100	500	0.089	0.06
Metals:							
Iron	2000	--	2000	--	--	35000	13900
Lead	63	450	400	400	1000	66.8	521
Zinc	109	2480	2200	10000	10000	--	374

MW-03 (10' - 12') | CRIT 1 | CRIT 2 | CRIT 3 | CRIT 4 | CRIT 5 | CRIT 7 | 4/14

VOCs:							
Acetone	0.05	0.05	100	100	500	0.089	0.051
Metals:							
Aluminum	10000	--	--	--	--	20400	10700
Iron	2000	--	2000	--	--	35000	19600

MW-03 (12' - 14') | CRIT 1 | CRIT 2 | CRIT 3 | CRIT 4 | CRIT 5 | CRIT 7 | 5/13

Metals:							
Iron	2000	--	2000	--	--	35000	17300

MW-03 (14' - 16') | CRIT 1 | CRIT 2 | CRIT 3 | CRIT 4 | CRIT 5 | CRIT 7 | 5/13

Metals:							
Calcium	10000	--	--	--	--	34200	22900
Iron	2000	--	2000	--	--	35000	19200

MW-03 (16' - 18') | CRIT 1 | CRIT 2 | CRIT 3 | CRIT 4 | CRIT 5 | CRIT 7 | 5/13

Metals:							
Calcium	10000	--	--	--	--	34200	11600
Iron	2000	--	2000	--	--	35000	17000

MW-03 (18' - 20') | CRIT 1 | CRIT 2 | CRIT 3 | CRIT 4 | CRIT 5 | CRIT 7 | 5/13

Metals:							
Calcium	10000	--	--	--	--	34200	41500
Iron	2000	--	2000	--	--	35000	15600

SS-03 (0' - 0.5') | CRIT 1 | CRIT 2 | CRIT 3 | CRIT 4 | CRIT 5 | CRIT 6 | 5/13

Pesticides:							
4,4'-DDE	0.0033	17	1.8	8.9	62	--	0.01
4,4'-DDT	0.0033	136	1.7	7.9	47	0.007	0.0088
Metals:							
Arsenic	13	16	16	16	16	--	13.7
Copper	50	1720	270	270	270	64.2	56.6
Iron	2000	--	2000	--	--	17500	26100
Lead	63	450	400	400	1000	118	89.1

SB-08 (0' - 0.5') | CRIT 1 | CRIT 2 | CRIT 3 | CRIT 4 | CRIT 5 | CRIT 6 | 5/13

Metals:							
Iron	2000	--	2000	--	--	17500	14400

SB-08 (0' - 2') | CRIT 1 | CRIT 2 | CRIT 3 | CRIT 4 | CRIT 5 | CRIT 6 | 5/13

Metals:							
Iron	2000	--	2000	--	--	17500	7910

SB-08 (2' - 4') | CRIT 1 | CRIT 2 | CRIT 3 | CRIT 4 | CRIT 5 | CRIT 7 | 5/13

Metals:							
Iron	2000	--	2000	--	--	35000	6910

SB-08 (4' - 6') | CRIT 1 | CRIT 2 | CRIT 3 | CRIT 4 | CRIT 5 | CRIT 7 | 5/13

Metals:							
Iron	2000	--	2000	--	--	35000	8440

SB-08 (6' - 8') | CRIT 1 | CRIT 2 | CRIT 3 | CRIT 4 | CRIT 5 | CRIT 7 | 5/13

SVOCs:							
Benzo(a)pyrene	1	22	1	1	1	--	1.1
Benzo(b)fluoranthene	1	1.7	1	1	5.6	--	1.3
Benzo(k)fluoranthene	0.8	1.7	1	3.9	56	--	0.87
Chrysene	1	1	1	3.9	56	--	2.3
Indeno(1,2,3-cd)pyrene	0.5	8.2	0.5	0.5	5.6	--	0.61
Pesticides:							
4,4'-DDE	0.0033	17	1.8	8.9	62	--	0.05
4,4'-DDT	0.0033	136	1.7	7.9	47	0.007	0.034

SB-08 (8' - 10') | CRIT 1 | CRIT 2 | CRIT 3 | CRIT 4 | CRIT 5 | CRIT 7 | 5/13

Pesticides:							
4,4'-DDD	0.0033	14	2.6	13	92	--	0.011
4,4'-DDE	0.0033	17	1.8	8.9	62	--	0.012

SB-08 (10' - 12') | CRIT 1 | CRIT 2 | CRIT 3 | CRIT 4 | CRIT 5 | CRIT 7 | 5/13

Pesticides:							
4,4'-DDE	0.0033	17	1.8	8.9	62	--	0.0079

SB-08 (14' - 16') | CRIT 1 | CRIT 2 | CRIT 3 | CRIT 4 | CRIT 5 | CRIT 7 | 5/13

Metals:							
Aluminum	10000	--	--	--	--	20400	13000
Calcium	10000	--	--	--	--	34200	18900

S



MA-10 (0' - 2')	CRIT 1	CRIT 2	CRIT 3	CRIT 4	4/14
VOCs:					
Acetone	0.05	0.05	100	--	0.23
Pesticides:					
4,4'-DDD	0.0033	14	2.6	--	0.0049
4,4'-DDE	0.0033	17	1.8	--	0.0091
Dieldrin	0.005	0.1	0.039	--	0.023
Metals:					
Copper	50	1720	270	64.2	64
Iron	2000	--	2000	17500	18400
Lead	63	450	400	118	678
Selenium	3.9	4	36	--	4.1
Silver	2	8.3	36	--	2.5
Zinc	109	2480	2200	167	298

MA-10 (2' - 4')	CRIT 1	CRIT 2	CRIT 3	CRIT 4	4/14
VOCs:					
Acetone	0.05	0.05	100	0.089	0.078
Metals:					
Aluminum	10000	--	--	20400	14400
Iron	2000	--	2000	35000	28400
Selenium	3.9	4	36	6.4	4.6
Silver	2	8.3	36	3.6	3.2

MA-10 (4' - 6')	CRIT 1	CRIT 2	CRIT 3	CRIT 4	4/14
Metals:					
Aluminum	10000	--	--	20400	13900
Iron	2000	--	2000	35000	26100
Selenium	3.9	4	36	6.4	4.6
Silver	2	8.3	36	3.6	2.4
Vanadium	39	--	100	80	44.2

MA-10 (6' - 8')	CRIT 1	CRIT 2	CRIT 3	CRIT 4	4/14
Metals:					
Iron	2000	--	2000	35000	25400
Selenium	3.9	4	36	6.4	4.3
Silver	2	8.3	36	3.6	2.5

MA-10 (8' - 10')	CRIT 1	CRIT 2	CRIT 3	CRIT 4	4/14
Metals:					
Calcium	10000	--	--	14200	56400
Iron	2000	--	2000	35000	18400
Lead	63	450	400	66.8	72.8

HA-10 (0' - 0.167')	CRIT 1	CRIT 2	CRIT 3	4/14
Pesticides:				
4,4'-DDE	0.0033	17	1.8	0.01
4,4'-DDT	0.0033	136	1.7	0.0066
Metals:				
Calcium	10000	--	--	16500
Copper	50	1720	270	53.5
Iron	2000	--	2000	18200
Lead	63	450	400	119
Zinc	109	2480	2200	178

HA-10 (0' - 2')	CRIT 1	CRIT 2	CRIT 3	CRIT 4	4/14
SVOCs:					
Di-n-butylphthalate	0.014	8.1	100	--	0.13
Pesticides:					
4,4'-DDE	0.0033	17	1.8	--	0.021
4,4'-DDT	0.0033	136	1.7	0.017	0.014
Metals:					
Arsenic	13	16	16	--	15.2
Calcium	10000	--	--	17900	16400
Chromium	30	--	36	281	60
Iron	2000	--	2000	17500	13700
Lead	63	450	400	118	193
Zinc	109	2480	2200	167	212

HA-10 (2' - 4')	CRIT 1	CRIT 2	CRIT 3	CRIT 5	4/14
Metals:					
Chromium	30	--	36	486	37.6
Iron	2000	--	2000	35000	44700
Lead	63	450	400	66.8	76.9
Selenium	3.9	4	36	6.4	6.9
Silver	2	8.3	36	3.6	4.5
Vanadium	39	--	100	80	46.9

HA-03 (1' - 1.5')	CRIT 1	CRIT 2	CRIT 3	CRIT 4	5/13
Pesticides:					
Dieldrin	0.005	0.1	0.039	--	0.033
Metals:					
Arsenic	13	16	16	--	13.4
Iron	2000	--	2000	17500	26600
Lead	63	450	400	66.8	156
Zinc	109	2480	2200	--	211

HA-03 (3' - 3.5')	CRIT 1	CRIT 2	CRIT 3	CRIT 5	5/13
Metals:					
Iron	2000	--	2000	35000	13000
Lead	63	450	400	66.8	154
Zinc	109	2480	2200	--	177

HA-09 (0' - 0.167')	CRIT 1	CRIT 2	CRIT 3	4/14
Metals:				
Iron	2000	--	2000	8810

HA-09 (0' - 2')	CRIT 1	CRIT 2	CRIT 3	CRIT 4	4/14
SVOCs:					
Benzo(a)anthracene	1	1	1	2.4	1.3
Benzo(a)pyrene	1	22	1	3.5	1.4
Benzo(b)fluoranthene	1	1.7	1	8	2.2
Benzo(k)fluoranthene	0.8	1.7	1	1.7	1.2
Chrysene	1	3	1	4.2	3.1
Indeno(1,2,3-cd)pyrene	0.5	8.2	0.5	1.7	0.73
Pesticides:					
Dieldrin	0.005	0.1	0.039	--	0.053
Metals:					
Iron	2000	--	2000	17500	17100
Lead	63	450	400	118	355
Zinc	109	2480	2200	167	195

HA-09 (2' - 4')	CRIT 1	CRIT 2	CRIT 3	CRIT 5	4/14
VOCs:					
Acetone	0.05	0.05	100	0.089	0.094
Metals:					
Aluminum	10000	--	--	20400	12700
Cobalt	20	--	30	23.5	23.5
Iron	2000	--	2000	35000	26500
Manganese	1600	2000	2000	--	4010
Silver	2	8.3	36	3.6	2.9
Thallium	5	--	--	--	8.5

HA-08 (0' - 0.167')	CRIT 1	CRIT 2	CRIT 3	4/14
Metals:				
Iron	2000	--	2000	9880
Lead	63	450	400	91.1

HA-08 (0' - 2')	CRIT 1	CRIT 2	CRIT 3	CRIT 4	4/14
Metals:					
Aluminum	10000	--	--	--	11600
Iron	2000	--	2000	17500	20500
Lead	63	450	400	118	181
Silver	2	8.3	36	--	2.1
Zinc	109	2480	2200	167	146

HA-08 (2' - 4')	CRIT 1	CRIT 2	CRIT 3	CRIT 5	4/14
Metals:					
Aluminum	10000	--	--	20400	10400
Iron	2000	--	2000	35000	16800
Manganese	1600	2000	2000	--	1630

HA-07 (0' - 0.167')	CRIT 1	CRIT 2	CRIT 3	4/14
Metals:				
Iron	2000	--	2000	9650
Lead	63	450	400	100

HA-07 (0' - 2')	CRIT 1	CRIT 2	CRIT 3	CRIT 4	4/14
Metals:					
Aluminum	10000	--	--	--	10300
Iron	2000	--	2000	17500	21700
Lead	63	450	400	118	117
Silver	2	8.3	36	--	2.2

HA-07 (2' - 4')	CRIT 1	CRIT 2	CRIT 3	CRIT 5	4/14
Metals:					
Aluminum	10000	--	--	20400	12200
Iron	2000	--	2000	35000	22400
Silver	2	8.3	36	3.6	2.2

HA-06 (0' - 0.167')	CRIT 1	CRIT 2	CRIT 3	4/14
Pesticides:				
4,4'-DDE	0.0033	17	1.8	0.0041
Metals:				
Chromium	30	--	36	30.2
Iron	2000	--	2000	9640
Lead	63	450	400	76.9

HA-06 (0' - 2')	CRIT 1	CRIT 2	CRIT 3	CRIT 4	4/14
Pesticides:					
4,4'-DDE	0.0033	17	1.8	--	0.0056
4,4'-DDT	0.0033	136	1.7	0.017	0.0045
Metals:					
Iron	2000	--	2000	17500	12200
Lead	63	450	400	118	68.9
Zinc	109	2480	2200	167	123

HA-06 (2' - 4')	CRIT 1	CRIT 2	CRIT 3	CRIT 5	4/14
Metals:					
Aluminum	10000	--	--	20400	12000
Iron	2000	--	2000	35000	16200

HA-05 (1' - 1.5')	CRIT 1	CRIT 2	CRIT 3	CRIT 4	5/13
Pesticides:					
4,4'-DDE	0.0033	17	1.8	--	0.005
Dieldrin	0.005	0.1	0.039	--	0.0052
Metals:					
Iron	2000	--	2000	17500	16300
Lead	63	450	400	118	192
Zinc	109	2480	2200	167	199

HA-05 (3' - 3.5')	CRIT 1	CRIT 2	CRIT 3	CRIT 5	5/13
SVOCs:					
4-Methylphenol (p-cresol)	0.33	0.33	34	--	1.6
Pesticides:					
4,4'-DDD	0.0033	14	2.6	--	0.0054
4,4'-DDE	0.0033	17	1.8	--	0.0063
Dieldrin	0.005	0.1	0.039	--	0.032
Metals:					
Iron	2000	--	2000	35000	14100
Lead	63	450	400	66.8	495
Zinc	109	2480	2200	--	504

HA-04 (1' - 1.5')	CRIT 3	CRIT 2	CRIT 3	CRIT 4	5/13
Metals:					
Iron	2000	--	2000	17500	9430

HA-04 (3' - 3.5')	CRIT 1	CRIT 2	CRIT 3	CRIT 5	5/13
VOCs:					
Acetone	0.05	0.05	100	0.089	0.13
SVOCs:					
4-Methylphenol (p-cresol)	0.33	0.33	34	--	6.3
Pesticides:					
Dieldrin	0.005	0.1	0.039	--	0.014
Metals:					
Iron	2000	--	2000	35000	16200
Lead	63	450	400	66.8	146
Zinc	109	2480	2200	--	173

HA-02 (1.5' - 2')	CRIT 1	CRIT 2	CRIT 3	CRIT 4	5/13
Pesticides:					
4,4'-DDT	0.0033	136	1.7	0.017	0.0099
Dieldrin	0.005	0.1	0.039	--	0.016
Metals:					
Iron	2000	--	2000	17500	11400
Lead	63	450	400	118	179
Zinc	109	2480	2200	167	310

HA-02 (2' - 3')	CRIT 1	CRIT 2	CRIT 3	CRIT 5	5/13
Pesticides:					
4,4'-DDT	0.0033	136	1.7	0.007	0.0085
Dieldrin	0.005	0.1	0.039	--	0.041
Metals:					
Arsenic	13	16	16	13.3	17.9
Copper	50	1720	270	--	63.4
Iron	2000	--	2000	35000	12900
Lead	63	450	400	66.8	261
Mercury	0.18	0.73	0.81	0.27	0.58
Zinc	109	2480	2200	--	381

HA-11 (0' - 0.167')	CRIT 1	CRIT 2	CRIT 3	4/14
Metals:				
Calcium	10000	--	--	15900
Iron	2000	--	2000	13300
Lead	63	450	400	122
Zinc	109	2480	2200	145

HA-01 (1' - 2')	CRIT 1	CRIT 2	CRIT 3	CRIT 4	5/13
Pesticides:					
4,4'-DDT	0.0033	136	1.7	0.017	0.025
Dieldrin	0.005	0.1	0.039	--	0.15
Metals:					
Iron	2000	--	2000	17500	11800
Lead	63	450	400	118	141
Zinc	109	2480	2200	167	192

HA-01 (2' - 3')	CRIT 1	CRIT 2	CRIT 3	CRIT 5	5/13
Metals:					
Iron	2000	--	2000	35000	14900
Lead	63	450	400	66.8	136
Zinc	109	2480	2200	--	204

Legend

- Monitoring Well
- Hand Auger Sample Location
- Property Line

Sample ID | Sample Depth | Criteria 2 (Protection of Groundwater) | Criteria 4 (Site Background - Shallow) | Result (mg/kg)

SB-01 (10' - 12')	CRIT 1	CRIT 2	CRIT 3	CRIT 4	CRIT 5	5/13
Metals:						
Iron	2000	--	2000	17500	35000	10600

Compound | Criteria 1 (Unrestricted) | Criteria 3 (Residential) | Criteria 5 (Site Background - Subsurface)

Notes:
Red denotes sample result exceeds one or more criteria
Green denotes criteria exceeded by sample

Criteria: 6NYCRR Part 375-6, CP-51
Source: ESRI World Imagery

40 0 40 Feet

OFF-SITE SOIL ANALYTICAL RESULTS
OLD AGWAY STORE
REMEDIAL INVESTIGATION

URS

PLATE 4-2

J:\Projects\177692\GIS\MXD\SRI PHASE 2\Plate 04-02 OffSite SOI ANALYTICAL_0414.mxd 12/23/2014

REMEDIAL INVESTIGATION REPORT

VOLUME II

WORK ASSIGNMENT D007622-17

OLD AGWAY STORE
BALLSTON SPA (V)

SITE NO. 546021
SARATOGA COUNTY, NY

Prepared for:
NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
625 Broadway, Albany, New York

Joe Martens, Commissioner

DIVISION OF ENVIRONMENTAL REMEDIATION

URS Corporation
257 West Genesee Street, Suite 400
Buffalo, New York 14202

FINAL
December 2014

APPENDIX A

SITE BACKGROUND INFORMATION

Final
Annual Review Report
December 2011

Old Agway Store
Site 5-46-021

Work Assignment No.
D004445-21

Prepared for:

SUPERFUND STANDBY PROGRAM
New York State
Department of Environmental Conservation
625 Broadway
Albany, New York 12233

Prepared by:

AECOM Technical Services Northeast, Inc.
40 British American Boulevard
Latham, New York 12110

TABLE OF CONTENTS

Chapter **Page**

1.0 INTRODUCTION....1
1.1 GENERAL....1
1.2 SITE DESCRIPTION AND BACKGROUND....1
2.0 MONITORING, MAINTENANCE AND SITE INSPECTION OBSERVATIONS....2
3.0 LEACHATE SAMPLING AND RESULTS....3
4.0 ENGINEERING EVALUATION....4
4.1 FINDINGS AND OBSERVATIONS....4
4.2 CONCLUSIONS....4
5.0 REPORTING....5
6.0 CONCLUSIONS AND RECOMMENDATIONS....6

FIGURES

Figure 1 Site Location Plan
Figure 2 Site Plan
Figure 3 Old Agway - Concentration Trends

TABLES

Table 1 Leachate Collection Pipe Sample Analysis

ATTACHMENTS

Attachment 1 Photograph Log – October 2011
Attachment 2 Site Inspection Log
Attachment 3 Engineering Evaluation Site Map and Photograph Log

1.0 INTRODUCTION

1.1 GENERAL

This report constitutes the fourth annual review report for the Old Agway Store Site ("Site") under New York State Department of Environmental Conservation (NYSDEC) Work Assignment (WA) D004445-21.2 of the State Superfund Standby Contract between NYSDEC and AECOM Technical Services Northeast, Inc (AECOM). Under this WA, a Maintenance and Monitoring (M&M) Work Plan was developed by AECOM that outlined the activities to be undertaken over a five-year period.

This annual review and sampling report presents the results of the investigations and maintenance work, including the engineering evaluation, conducted over the past five quarters at the Site.

1.2 SITE DESCRIPTION AND BACKGROUND

The Agway store located off of Science Street in a residential area of Ballston Spa (see Figures 1 and 2), Saratoga County, New York, was destroyed by fire in 1977. As a result of the fire, various pesticides and herbicides stored in the basement were released into the soil and groundwater, including pentachlorophenol, 2 4,5-TP (silvex), and atrazine. Subsequent rainfall infiltrated into the back-filled foundation, resulting in the generation of leachate in the subsurface. Samples of the leachate were collected and analysis showed several contaminants, including penta-chlorophenol (PCP), silvex (2, 4, 5-TP), and atrazine.

A horizontal collection system consisting of 97 feet of perforated pipe was installed approximately 4-ft below grade on adjacent properties in September 1981 to prevent ponding of the groundwater seepage on adjacent properties downgradient from the site. The leachate and groundwater collected by the system is directly discharged to the Saratoga County Sewer District publically owned treatment works for treatment. NYSDEC has been maintaining the collection system since the Consent Order expired in 1986. Part of the maintenance includes the periodical collection of groundwater samples. The groundwater from the collection system has been sampled periodically since 1990 and every five quarters since 2007. Onsite wells were decommissioned in September 1999 at the directive of the NYSDEC as they were deemed no longer necessary for monitoring purposes. [From: NYSDEC Registry of Inactive Hazardous Waste Disposal Sites, April 2002]

In April 2007, a Work Plan was developed by AECOM and approved by the NYSDEC for site M&M to be undertaken at the site over a four year period. Task 1 of the work plan included a site visit, document review and a scoping meeting and discussions. Task 2 of the work plan concerned site maintenance, focusing on the Site's shallow groundwater collection trench. Task 3 consisted of the collection of groundwater samples from the trench, whereas Task 4 included preparation of all reports associated with site maintenance and groundwater monitoring. As per NYSDEC directive, an amendment to the WA was submitted and approved in February 2010 to do a Periodic Review Report (PRR) and develop a Site Management Plan (SMP) for the Old Agway Site. The PRR was submitted to the NYSDEC for in January 2011, and the SMP submitted in May 2011. In July 2011, an additional amendment under the WA was approved by the NYSDEC to conduct one additional sampling event with a site inspection and subsequent reporting and to conduct an engineering evaluation of the structural integrity of the remaining Agway store foundation wall.

2.0 MONITORING, MAINTENANCE AND SITE INSPECTION OBSERVATIONS

The monitoring conducted since the July 2010 Annual Report consisted of the October 2011 sampling of the leachate collection sump at the Old Agway site and an engineering evaluation of the former Agway Store's foundation wall. In addition, there was a site inspection in September 2011 to evaluate if any damage had occurred as a result of the heavy rains from tropical storm Irene. The results of the sump sampling are discussed in section 3.0 of this report. The engineering evaluation is presented in section 4.0 of this report. The letter report for the site inspection after the tropical storm was submitted to the NYSDEC in September 2011.

As per the 2011 Site Management Plan, the results of the Site inspection and Site monitoring data is to be evaluated as part of the Engineering Controls/Institutional Controls (EC/IC) certification to confirm that the:

- EC/ICs are in place, are performing properly, and remain effective;
- The Maintenance and Monitoring Plan is being implemented and activities are being conducted properly; and,
- The site remedy continues to be protective of public health and the environment and is performing as designed.

The annual Site inspection was conducted at the same time as the October 2011 sampling event. Observations pertaining to the EC/IC's were noted as follows:

- Leachate was noted seeping from the base of the foundation wall on the Ballard property for the first time since AECOM began sampling in 2007. Evidence of past seepage was also noted in the form of "travertine-like" deposits along cracks in the foundations face.
- Fencing at the site is intact, but new leachate seepage on the Ballard property presents a new potential exposure.
- Signage was present on the property to warn trespassers, but additional signage may be needed.
- Vegetation has grown significantly in the area where trees and shrubs had been trimmed and removed in the past. Additional trimming/removal of brush may be needed.
- The sump collection system appears to be operational. Flow into the sump was the highest rate noted since AECOM started sampling the sump at approximately 3 to 4 gallons a minute.

No maintenance activities were conducted at the site since the last Annual Report. The Photo Log in Attachment 1 presents photos for the monitoring work conducted in the past year. Attachment 2 presents the completed Annual Inspection Form.

3.0 LEACHATE SAMPLING AND RESULTS

AECOM conducted the fourth leachate sampling event on October 6, 2011 at the Old Agway Site. Sampling was conducted in the leachate collection sump located on the north edge of the collection trench. The collection point is located approximately 2 feet below grade under a manhole (see Attachment 1 for photos). The sample was collected with a clean polyvinyl chloride (PVC) beaker attached to a pole. The leachate sample was then transferred into laboratory provided bottles. Samples were packed on ice, and submitted with a completed Chain-of-Custody (COC) to Mitkem Corporation located in Warwick, Rhode Island for analysis. The leachate sample was analyzed for semi-volatile organic compounds (SVOCs) plus atrazine by method SW8270, chlorinated herbicides by method SW8151, organochlorine pesticides by method SW8081B, and organophosphate pesticides by method SW8141. Analytical results are summarized on the attached Table 1. In addition, historical data prior to 2007, made available from the NYSDEC through past monitoring reports, is also presented on Table 1. (Note that the organophosphate pesticides analyzed before 2000 do not correlate completely with the present list of compounds.) Figure 3 shows the concentration trends for Aldrin, 2,4,5-TP (Silvex), and Atrazine.

Of the pesticide organics, the only compounds detected were Aldrin and Dieldrin at 0.11 and 0.21 µg/L, respectively. Both of these compounds were detected in all of the past sampling events conducted by AECOM (and in most historical data) and are within the range of historical concentrations. The concentration of Dieldrin is above the New York State Ambient Water Quality Standard (AWQS) of 0.004 µg/L. The concentration of Aldrin remains above the non-detectable concentration (NDC), the approved analytical method's detection limit is the standard for this compound.

The herbicide 2,4,5-TP (Silvex) was not detected above the laboratory detection limit of 0.10 µg/L for the first time since the April 1995 sampling event (when the detection limit was 0.84 µg/L). The concentration for this compound has shown a decrease in concentration since the November 2008 sampling event.

The only other compound detected in the organophosphate pesticides and semi-volatile analysis was Atrazine. The concentration in the October 2011 sampling event was 270 µg/L, significantly above the AWQS standard of 7.5 µg/L and an increase from the 150 µg/L concentration in the February 2010 sampling event. This is the highest concentration for Atrazine since November 1999 when the concentration peaked at 546 µg/L.

4.0 ENGINEERING EVALUATION

On Thursday, October 6, 2011 AECOM completed an onsite inspection of the existing concrete retaining wall, located at the Site at the request of the NYSDEC.

The existing concrete retaining wall structure is orientated in a north to south direction and is located on the west side of the Site. The southern portion of the wall structure consists of the Old Agway concrete building foundation wall and the remaining northern portion of the wall consists of a concrete retaining wall. The wall is currently used to maintain and to transition the higher existing ground elevation at the Site to the adjoining lower ground elevation property to the west, which is between 3 to 9 feet lower in elevation.

The exact construction date of this concrete retaining wall is unknown but is likely prior to 1970. The internal structure (e.g., internal concrete properties and subsurface dimensions) cannot be determined, since no intrusive investigation was conducted and no as-built drawings are available. However, based on the site investigation the retaining wall appears to be a poured concrete gravity retaining wall or a poured concrete cantilevered wall (or a combination of both). The exposed wall height varies from 9 feet at the northern end to 3 feet at the southern. The active soil pressure height ranges from approximately 8 feet to 3 feet from north to south. The length is approximately 160 feet. The top of the concrete wall thickness varies from approximately 1.5 feet to 2.6 feet. The southern area of the retaining wall (i.e., the area of the Old Agway foundation) originally appears to have had doorways and/or windows. These areas are currently filled and mortared with concrete masonry units. See photograph 5 and 6 in Attachment 3.

4.1 FINDINGS AND OBSERVATIONS

The original concrete retaining wall was in overall good condition. The wall showed no visual signs of movement or instability. The wall did show some signs of surface structural deficiencies, which should not compromise the wall stability. The concrete exposed wall fascia had two main longitudinal cracks, concrete spalling, efflorescence staining, concrete delamination, groundwater seepage, and seasonal wear.

See photographs 1, 3, 4, 10, 12, and 13 in Attachment 3.

4.2 CONCLUSIONS

The existing concrete retaining wall is in adequate structural condition. If possible, as-built drawings or record drawings should be located. A structural analysis and wall stability calculations should be completed on the existing wall if any future excavation in front of, or additional backfill behind of, the existing wall is required. Currently the visual inspection did not show any signs of movement or instability.

The visual appearance of the wall could be improved by resurfacing the concrete fascia and filling in any cracks and gaps. If visual appearance is a true concern, then a more extensive method of forming and pouring an entire new concrete fascia with drilled and grouted dowel anchors to the existing concrete exposed fascia should be used.

The seepage through the wall can be addressed by in-situ waterproofing of the back face of the wall, similarly to basement waterproofing. After sealing the back face of the existing wall, the front of the wall in the lower seepage areas can be resurfaced with additional concrete that is drilled and grouted to the wall.

5.0 REPORTING

Since the last annual report, the final Periodic Review Report (PRR) was submitted to the NYSDEC in January 25, 2011. The final SMP was reviewed and submitted to the NYSDEC in May 31, 2011.

As previously mentioned, a site inspection was performed and a letter report submitted in September 2011 to report on the site's condition after the impact of tropical storm Irene.

6.0 CONCLUSIONS AND RECOMMENDATIONS

The results of October 2011 leachate sampling event in comparison with prior samplings indicate that contaminants in the soil are still impacting the drainage water from the Old Agway site. The collection sump is still needed at the site and monitoring of the leachate should continue until concentrations of pesticides are below AWQS or if other alternatives for the site contamination are implemented. The concentrations of Dieldrin, Aldrin and Atrazine have been consistently above the AWQS with no discernable trend to dropping to levels below the AWQS, indicating that a source of contamination still exists at the site.

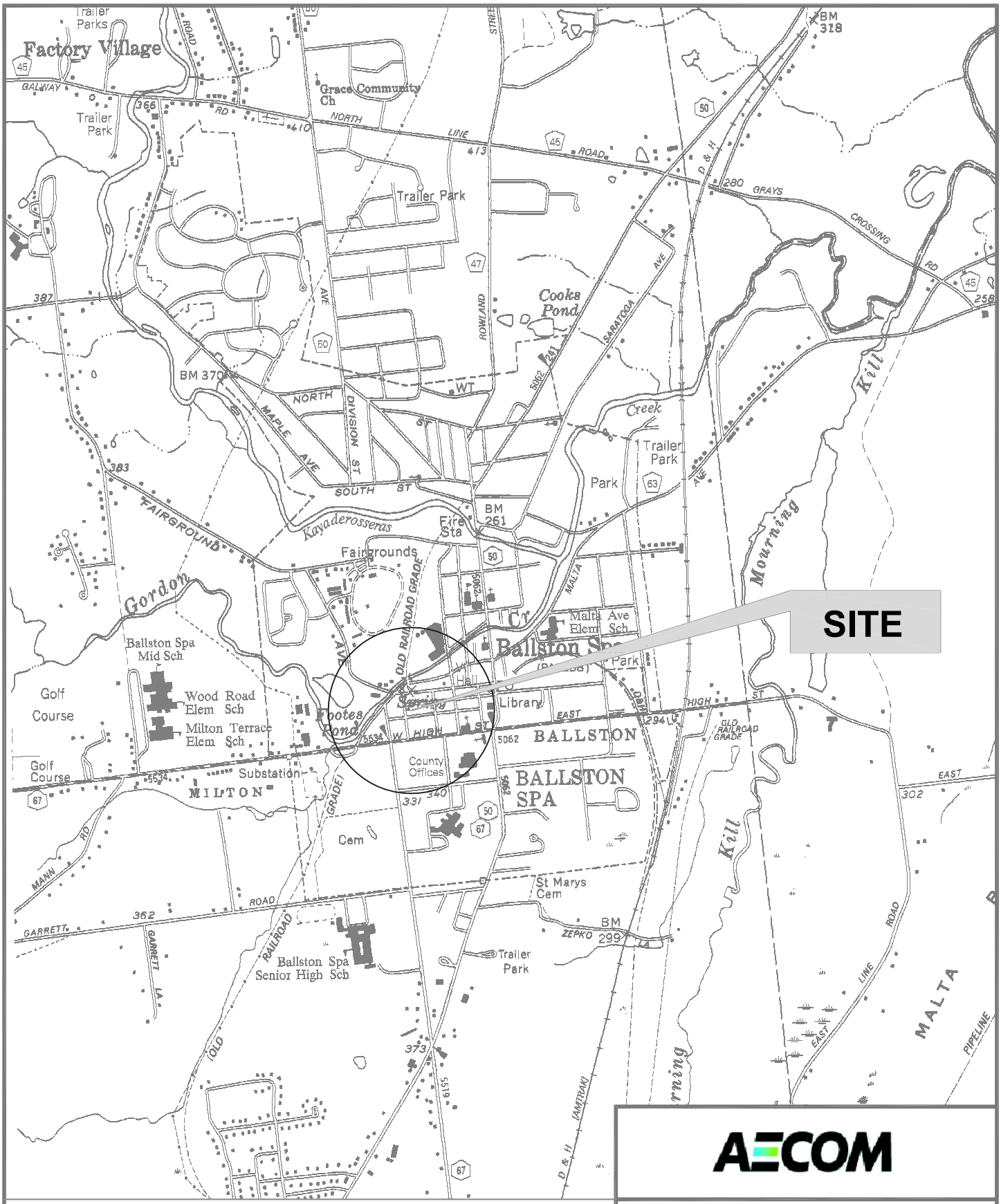
Figure 3 shows the trends in concentrations of Aldrin, 2,4,5-TP (Silvex) and Atrazine over time. Aldrin and Atrazine show little fluctuation with no evident trends. 2,4,5-TP (Silvex) is showing an overall decreasing trend in concentration.

The site inspection process is used for determining if the remedy continues to be properly managed as set forth in the SMP and continues to be protective of human health and the environment. The only decision document for the site is the 1981 Order on Consent.

The following recommendations are proposed for the Old Agway Site based on conclusions from the site inspection and the leachate sump monitoring results to date:

- Maintenance of the collection system and monitoring of the leachate should continue on a five quarter basis.
- The appropriateness of discharging the leachate into the sewer system is presently being reviewed and should continue unless the Saratoga Sewer Authority no longer approves of the discharge.
- The foundation wall of the Ballard property has been inspected, and is considered structurally stable, however, some basic maintenance on the wall surface needs to be performed and possible waterproofing be considered to eliminate seepage.
- Review if fencing or other deterrent is needed near the seepage area at the base of the foundation wall.
- Vegetation that has grown in the past few years needs to be trimmed/removed, especially prior to any further site work, with the exception of sump sampling.
- In order to better characterize the contamination at the site, the collection of soil samples to delineate any soils that have levels of pesticides in exceedence of New York State Part 375-6 Unrestricted Use Soil Cleanup Objectives (SCOs) should be considered. If soils are found to have pesticide levels above Unrestricted Use SCOs, then a remedy should be considered to remove or isolate this source and eliminate future groundwater impacts. This action could result in the delisting of the Old Agway Site.

FIGURES



PLAN

SCALE: 1" = 2000'

Map Reference:
Study area can be found on the USGS 7.5 minute quadrangle, Saratoga Springs series.

AECOM

FIGURE 1

SITE LOCATION PLAN

OLD AGWAY STORE - SITE 5-46-021
BALLSTON SPA, NEW YORK

FILE NAME:	DRN	PROJECT NO.	DATE	FIGURE NO.
Agway Reference.dwg	---	99161	AUG. 2009	01

Plotted By: BlaydesB
Layout-Sheet Name: FIG-1
Plot File Date Created: Mar/26/2010 2:04 PM

Filename: I:\WORK\99161\CADD\AGWAY_REFERENCE.DWG



LEGEND

HISTORIC GROUNDWATER FLOW DIRECTION

COLLECTION SUMP

PLAN

0' 100' 200' 400'

Map Reference:
Study area can be found on the USGS 7.5 minute quadrangle, Saratoga Springs series.

AECOM

ANNUAL REVIEW REPORT
FIGURE 2
SITE PLAN

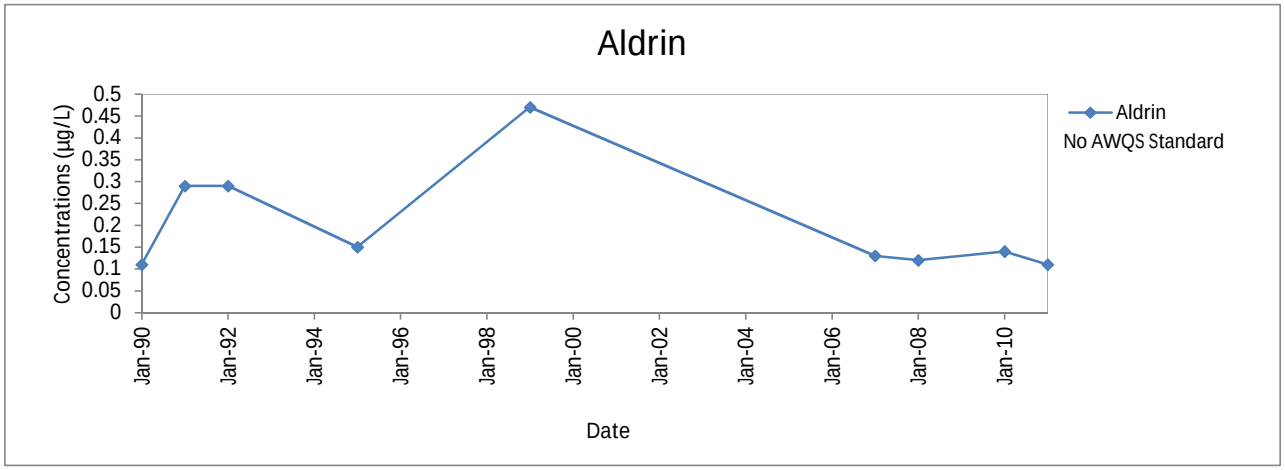
OLD AGWAY STORE - SITE 5-46-021
BALLSTON SPA, NEW YORK

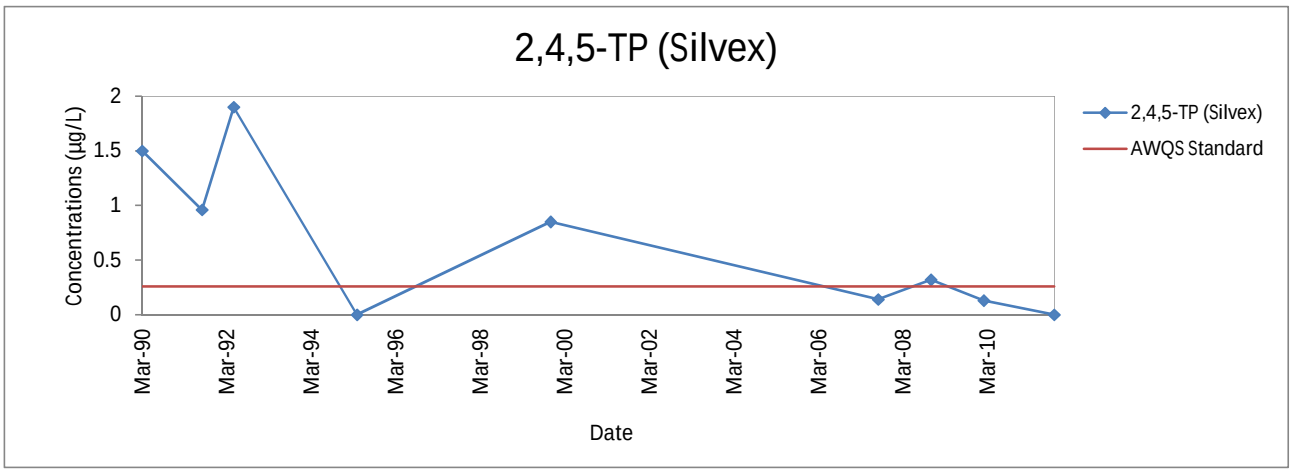
FILE NAME:	DRN	PROJECT NO.	DATE	FIGURE NO.
AGWAY-ORTHO-2010.dwg	—	99161	7/2010	02

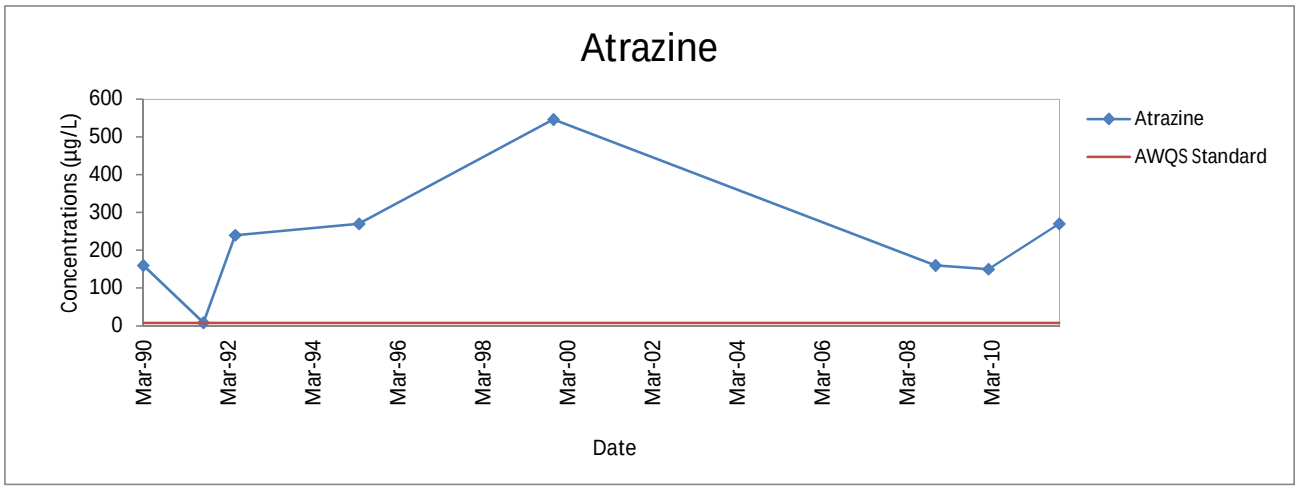
Plotted By: MeisterK
Layout--Sheet Name: FIGURE2
Plot File Date Created: Jul/12/2010 2:38 PM

Filename: L:\WORK\99161\CADD\AGWAY-SITE-MAP\AGWAY-ORTHO-2010.DWG

Figure 3
Analytical Trends for Old Agway
(5-46-021)







TABLES

Table 1
Old Agway Site
Ballston Spa, New York
Site #5-46-021
Leachate Collection Pipe
Sample Analysis

Chemical	Standard or Guidance Value*	Leachate Collection Pipe								
		Mar-90	Aug-91	May-92	Apr-95	Nov-99	Aug-07	Nov-08	Feb-10	Oct-11
Pesticide Organics										
Aldrin	NDC	**0.11**	**0.29**	**0.29**	**0.15**	**0.47**	**0.13**	**0.12**	**0.14**	**0.11 P**
Chlordane	0.05	<0.05	<0.5	<0.5	<0.84	NA	<0.050	<0.050	<0.050	<0.050
gamma-Chlordane	0.1	NA	NA	NA	NA	0.19	<0.050	<0.050	<0.050	<0.050
gamma-BHC (lindane)	0.05	NA	NA	NA	NA	0.18	<0.050	<0.050	<0.050	<0.050
Dieldrin	0.004	**0.16**	**0.25**	**0.25**	<0.17	**0.32**	**0.16**	**0.20**	**0.12**	**0.21**
4,4'-DDD	0.3	<0.1	<0.1	<0.1	<0.17	<0.10	<0.10	<0.10	<0.10	<0.10
Phenols										
Phenols	1	<1	<1	<1	NA	**41.2**	<10	<20	<10	<10
Pentachlorophenol	1	<1	<1	<1	NA	NA	<20	<40	<20	<20
Herbicides										
2,4-D	50	<1	<1	<1	<1.7	<1.0	<1.0	<1.0	<1.0	<1.0
2,4,5-TP (Silvex)	0.26	**1.5**	**0.96**	**1.9**	<0.84	**0.85**	**0.14**	**0.32**	**0.13**	<0.10
Organophosphate Pesticides										
Atrazine	7.5	**160**	**8.6**	**240**	**270**	**546**	NA	**160**	**150**	**270 D**
Diazinon	0.7	<0.2	<0.2	<0.2	<0.33	<0.46	NA	NA	<5.1	<0.51
Demeton-o,s	5	**11**	<1	**2.4**	<0.33	<0.31, <0.15	NA	NA	<5.1, <5.1	<0.51
Ronnel	None	NA	NA	NA	NA	**1.59**	NA	NA	NA	NA
Fensulfothion	None	NA	NA	NA	**0.48**	<0.46	NA	NA	NA	NA
o,o,o - Tepp	None	NA	NA	NA	NA	NA	<0.2	<0.2	NA	NA
Thionazin	None	NA	NA	NA	NA	NA	<0.2	<0.2	<5.1	<0.51
Phorate	NDC	NA	NA	NA	NA	NA	<0.2	<0.2	<5.1	<0.51
Dimethoate	None	NA	NA	NA	NA	NA	<0.2	<0.2	<5.1	<0.51
Disulfoton	NDC	NA	NA	NA	NA	NA	<0.2	<0.2	<5.1	<0.51
Methyl Parathion	1.5	NA	NA	NA	NA	NA	<0.2	<0.2	<5.1	<0.51
Parathion	1.5	NA	NA	NA	NA	NA	<0.2	<0.2	<5.1	<0.51
Famphur	None	NA	NA	NA	NA	NA	<0.2	<0.2	<5.1	<0.51

* New York State Ambient Water Quality Standard and Guidance Values for drinking water.
NDC = the standard is the non-detectable concentration by the approved analytical methods.
Bold = Analyte detected
Bold and Highlighted = Analyte detected above AWQS or GV
NA = not analyzed
All concentrations in ug/L.
- not applicable
P - This qualifier is used for pesticide/Aroclor target analytes where there is greater than 25% difference for the detected concentration between the two GC columns.

ATTACHMENT 1

AECOM

PHOTOGRAPH LOG

Client Name: NYSDEC	Site Location: Old Agway Site, Science Street, Ballston Spa, New York 12020	Project No. 60135838

Photo No. 1	Date: 10/6/11

Direction Photo Taken: Facing northwest looking at the western face of the foundation wall.

Description: View of the southern end of the Old Agway foundation wall. View shows crumbling outer face of the wall.



Photo No. 2	Date: 10/6/11

Direction Photo Taken: View of southern wall taken facing south.

Description: Area of the southern foundation wall showing view from behind the fence. This shows the growth of the vegetation since the last trimming and removal undergrowth in 2007.



AECOM

PHOTOGRAPH LOG

Client Name: NYSDEC	Site Location: Old Agway Site, Science Street, Ballston Spa, New York 12020	Project No. 60135838

Photo No.	Date:
3	10/6/11

Direction Photo Taken:
Facing south, taken from the top of the foundation wall.

Description:

View of the top of the foundation wall from the northern most end looking south, showing the properties to the west.

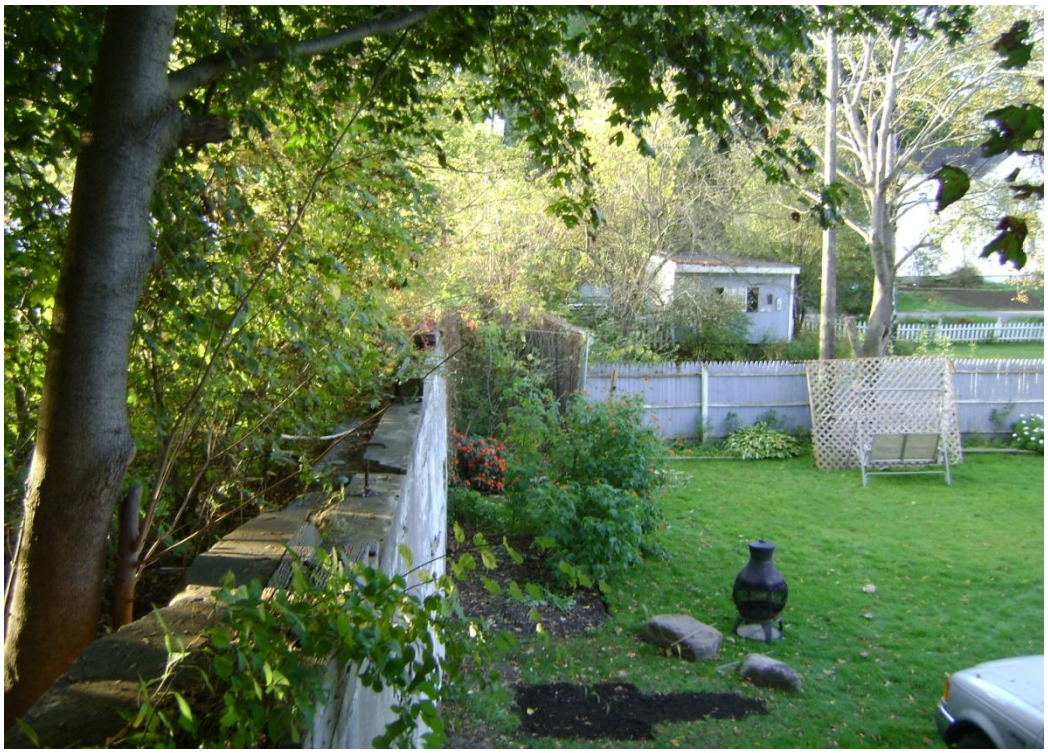


Photo No.	Date:
4	10/6/11

Direction Photo Taken:
View facing east of northern section of the wall.

Description:

View of northern most corner of the foundation wall. This shows the crumbling face of this section of the wall.



AECOM

PHOTOGRAPH LOG

Client Name: NYSDEC	Site Location: Old Agway Site, Science Street, Ballston Spa, New York 12020	Project No. 60135838

Photo No. 5	Date: 10/6/11

Direction Photo Taken:
Facing North from south side of foundation wall.

Description:

View of the south end of the foundation wall. Showing fenced area to the left of the wall (center) and overgrowth of trees to the right.



Photo No. 6	Date: 10/6/11

Direction Photo Taken:
Facing south, taken from the northern edge of the Old Agway property.

Description:

View of the eastern portion of the Old Agway property, facing south. This area is a mowed grass field.



AECOM

PHOTOGRAPH LOG

Client Name: NYSDEC	Site Location: Old Agway Site, Science Street, Ballston Spa, New York 12020	Project No. 60135838

Photo No.	Date:
7	10/6/11

Direction Photo Taken:
Facing west, taken from eastern edge of property.

Description:

Eastern portion of Old Agway site property. View shows where the building once stood. Now a mowed grass area with some tree and underbrush on the western edge.



Photo No.	Date:
8	10/6/11

Direction Photo Taken:
Facing east, looking at manhole on Ballard property west of site.

Description:

Photo shows the manhole where the sump is located and the drain pipe for the groundwater collection system.



AECOM

PHOTOGRAPH LOG

Client Name: NYSDEC	Site Location: Old Agway Site, Science Street, Ballston Spa, New York 12020	Project No. 60135838

Photo No.	Date:
9	10/6/11

Direction Photo Taken:
View of inside of Sump collection pipe for the leachate collection system.

Description:

Picture showing collection of leachate water with the "beaker on a stick". The collection pipe is approximately 2 feet below the ground surface.



Photo No	Date:
10	10/6/11

Direction Photo Taken:
View of inside of manhole.

Description:

View of the leachate discharging from the collection system discharge pipe. Flow is approximately 3 to 5 gallons a minute.



AECOM

PHOTOGRAPH LOG

Client Name: NYSDEC	Site Location: Old Agway Site, Science Street, Ballston Spa, New York 12020	Project No. 60135838

Photo No. 11	Date: 10/6/11

Direction Photo Taken:
View of inside of manhole.

Description:

View of discharge pipe, noting slight sheen on the water.



Photo No. 12	Date: 11/7/11

Direction Photo Taken:

View of sump sampling.

Description:

Collecting leachate samples from sump.



AECOM

PHOTOGRAPH LOG

Client Name: NYSDEC	Site Location: Old Agway Site, Science Street, Ballston Spa, New York 12020	Project No. 60135838

Photo No. 13	Date: 10/6/11

Direction Photo Taken:

View of sample bottles.

Description:

Sample bottles.



Photo No. 14	Date: 10/6/11

Direction Photo Taken:

Facing east, looking at foundation wall.

Description:

Facing foundation wall in the central portion, on the Ballard property. Shows stand pipe for the collection system.



AECOM

PHOTOGRAPH LOG

Client Name: NYSDEC	Site Location: Old Agway Site, Science Street, Ballston Spa, New York 12020	Project No. 60135838

Photo No.	Date:
15	10/6/11

Direction Photo Taken:
Facing east, looking at base of foundation wall.

Description:

Looking at base of the foundation wall on the Ballard property. Seepage is evident at the base of the wall in this section.



Photo No.	Date:
16	10/6/11

Direction Photo Taken:

Facing East.

Description:

Close up of base of foundation wall, showing seepage at base.



ATTACHMENT 2

Site-Wide Annual Inspection Form

Old Agway Site
Ballston Spa, New York
Site # 5-46-021

Inspection Date: October 6/11

Item	Yes	No	N/A	Comments
Where applicable, is the collection system fence in good condition?	X			may need additional fencing
Is there any sign of leachate or seeps from the foundation wall?	X			at Base of wall on Ballard property
Is the foundation wall showing signs of deterioration?	X			
Is the area around the manhole clear and the manhole accessible?	X			
Has remedial performance criteria been achieved or maintained?	X			
Has sampling and analysis of appropriate media been performed during the monitoring event?	X			
Has the maintenance checklist been completed? (If a system is installed)			X	
Are site records including the Site Management Plan complete and up-to-date?	X			
If applicable, have there been any modifications made to the remedial or monitoring system?		X		
If applicable, does the remedial or monitoring system need to be changed or altered at this time?	*			to be determined by NYSDEC -
Has there been any intrusive activity, excavation, or construction occurred at the site?		X		
Were the activities mentioned above, performed in accordance with the SMP?	X			
Was there a change in the use of the site or were there new structures constructed on the site?		X		

Note: Upon completion of the form any non-conforming items warranting corrective action should be identified here within.

The seepage at the base of foundation wall needs to be addressed.

Name of Inspector: Lori A. Hoose
Inspector's Company: AECOM

Signature of Inspector: Lori A. Hoose
Date: 10/6/11

ATTACHMENT 3



PLAN

0' 100' 200' 400'

Map Reference:
Study area can be found on the USGS 7.5 minute quadrangle, Saratoga Springs series.

AECOM

FIGURE 1

SITE PLAN

OLD AGWAY STORE - SITE 5-46-021
BALLSTON SPA, NEW YORK

FILE NAME:	DRN	PROJECT NO.	DATE	FIGURE NO.
AGWAY-WALL-2011-A.dwg	—	60135838	1/2011	01

Plotted By: meisterk
Layout--Sheet Name: SITE
Plot File Date Created: Nov/14/2011 12:06 PM

Filename: L:\WORK\99161\CADD\AGWAY-SITE-MAP\AGWAY-WALL-2011-A.DWG



North End of Existing Concrete Retaining Wall
Concrete fascia – spalling and delamination from larger aggregate
Facing East
Photo 1



Northern Retaining Wall Fascia – Facing South
Photo 2



Northern Retaining Wall Fascia – Facing Northeast
Concrete longitudinal cracking, spalling, and efflorescence
Photo 3



Middle Section of Concrete Retaining Wall Fascia – Facing Southeast
Photo 4



Southern Retaining Wall Fascia – Facing South
Photo 5



Original Doorway/Window Areas Filled-in with Concrete Masonry Units Facing East
Photo 6



Southern Section of Existing Concrete Retaining Wall – Facing East
Photo 7



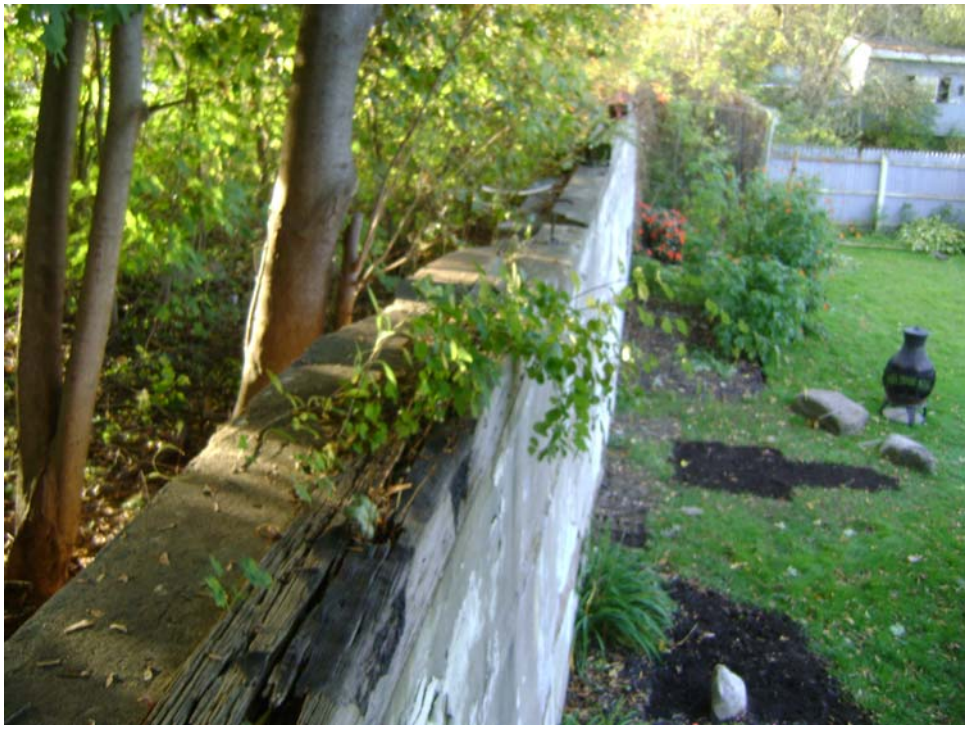
South End of Existing Concrete Retaining Wall – Facing North
Photo 8



Old Agway Site – Behind Existing Concrete Retaining Wall
Facing South
Photo 9



Northern End of Retaining Wall – Facing Westerly
Concrete fascia – spalling and delamination from large aggregate
Photo 10



Top View of Northern Portion of Retaining Wall – Facing South
Photo 11



Middle Area of Retaining Wall
Longitudinal cracking, spalling, effluences, and evidence of active groundwater seepage
Facing Easterly
Photo 12



Middle Section, Base of Retaining Wall
Evidence of active groundwater seepage
Facing Easterly
Photo 13

STATE OF NEW YORK – DEPARTMENT OF HEALTH

INTEROFFICE MEMORANDUM

To: Mr. Decker - Northern Regional Office

From: Mr. Hotaling - Northern Regional Office

Date: January 30, 1981

Subject: "Old" Agway Store Location
Galway Street - Ballston Spa (V)
Saratoga County

The following is a discussion of events regarding the placement of the three sampling wells within the foundation of the "old" Agway store in the Village of Ballston Spa and subsequent sampling of liquid from each of the wells.

January 6, 1981 - Received written permission to enter the property in question for the purpose of installing sampling wells and collecting samples for analyses. (copy of signed permission slip attached).

January 13, 1981 - Prepared diagram #1 (copy attached) for the approximate location of the sampling wells and briefly outlining an approximate design for the wells and the need for soil samples.

A meeting was held at the site to discuss the planned design and placement of the wells. In attendance were; Mr. Sanders and Mr. Dufty of the Soils drilling crew, Mr. Fear and myself.

January 15, 1981 - Sampling well #2 installed by D.O.T. (Refer diagram #2, attached, for details).

Samples of the soil were collected at 1.5 foot increments with the exception of one soil sample representing the bottom 2.5 feet of the well. Samples without evidence of moisture and/or foul odor were collected in D.O.T. sampling containers while samples exhibiting moisture and/or foul odor were collected in D.O.H. sampling containers.

All samples of the soil were delivered to the Division of Labs and Research, however, Tox-5 forms requesting laboratory analyses were only completed for those samples in D.O.H. containers.

January 16, 1981 - Sampling well #1 installed by D.O.T. (Refer diagram #2, attached, for details).

Samples of the soil were collected at 1.5 foot increments with the exception of two soil samples collected from the lower portion of the well as indicated in diagram #2. The same sampling technique and lab submission was used as on well #2.

January 19, 1981 - Sampling well #3 was installed by D.O.T. (Refer diagram #2, attached, for details).

Samples of the soil were again collected at 1.5 foot increments with the exception of two samples at the lower portion of the well. The same sampling technique and lab submission was used as on well #2.

January 22, 1981 - A sample of liquid from each of the sampling wells was obtained using equipment supplied by Dr. Richards of the Division of Labs and Research. The samples were hand delivered to the laboratory along with completed Tox-5 forms requesting analyses for Pentachlorophenol. We are currently awaiting the laboratory results from these analyses.

If you have any questions regarding the above or require additional information, please advise.

attachments

cc: Mr. Tramontano - Toxic Bureau w/att.
Mr. Fear - Glens Falls D.O w/att.

JCH:das

STATE OF NEW YORK
DEPARTMENT OF HEALTH OFFICE OF PUBLIC HEALTH

NORTHERN REGIONAL OFFICE • BUILDING 7A • STATE OFFICE BUILDING CAMPUS • ALBANY, NEW YORK 12226

DAVID AXELROD, M.D.
Commissioner
GLENN E. HAUGHIE, M.D.
Director

IAN T. LOUDON, M.D., D.P.H.
Regional Health Director

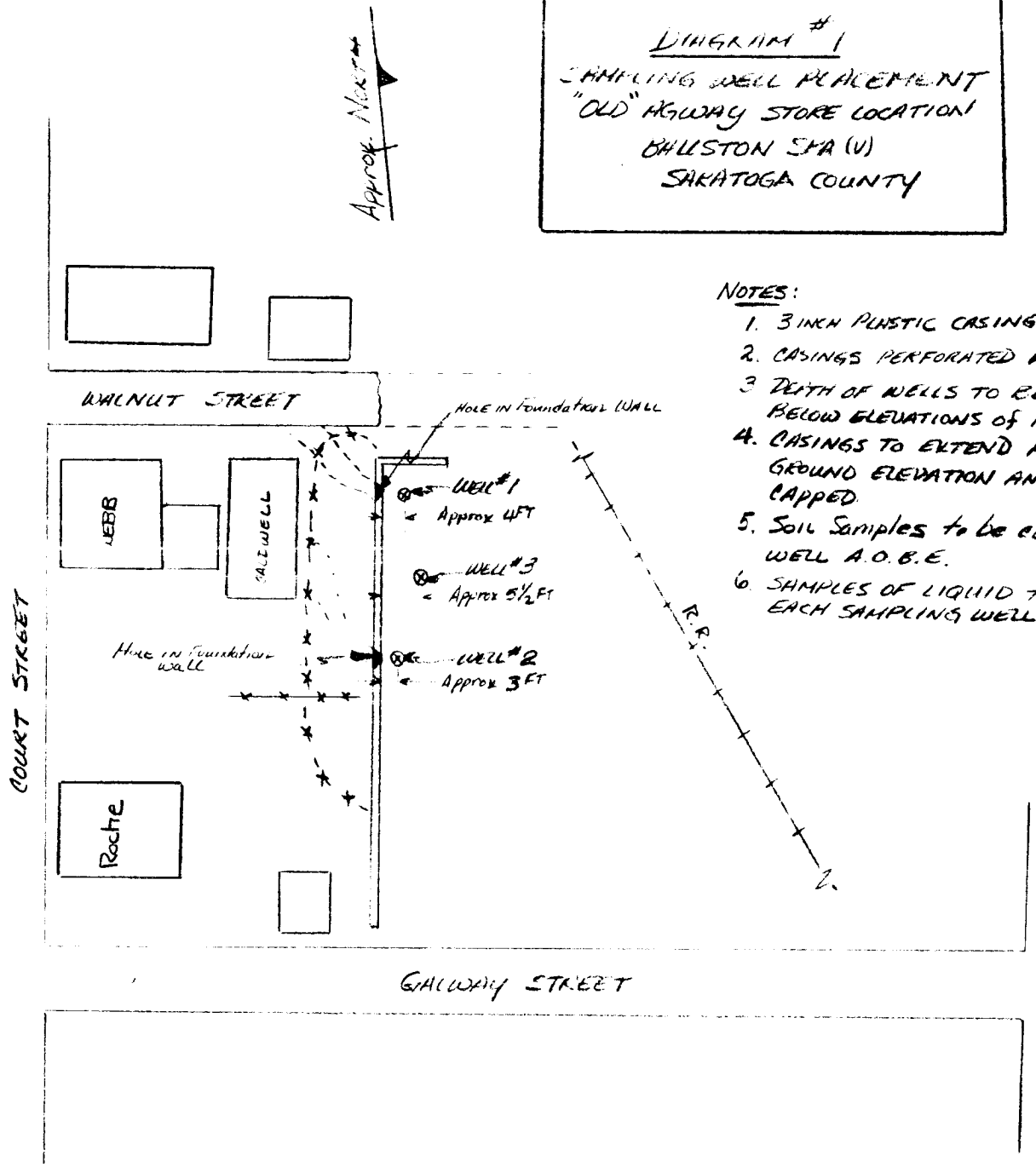
I DAVID H. Hogan do hereby consent to allow staff from the Departments of Health and Transportation to enter upon my property on Galway Street in the Village of Ballston Spa for the purpose of installing perforated pipes into the soil within the old foundation wal` so that samples may be collected.

David Hogan
17 Limerick Lane
Ballston Spa, New York 12020

Date 1/6/81

DIAGRAM #1

SAMPLING WELL PLACEMENT
"OLD" AGWAY STORE LOCATION
GALLSTON SPA (V)
SARATOGA COUNTY

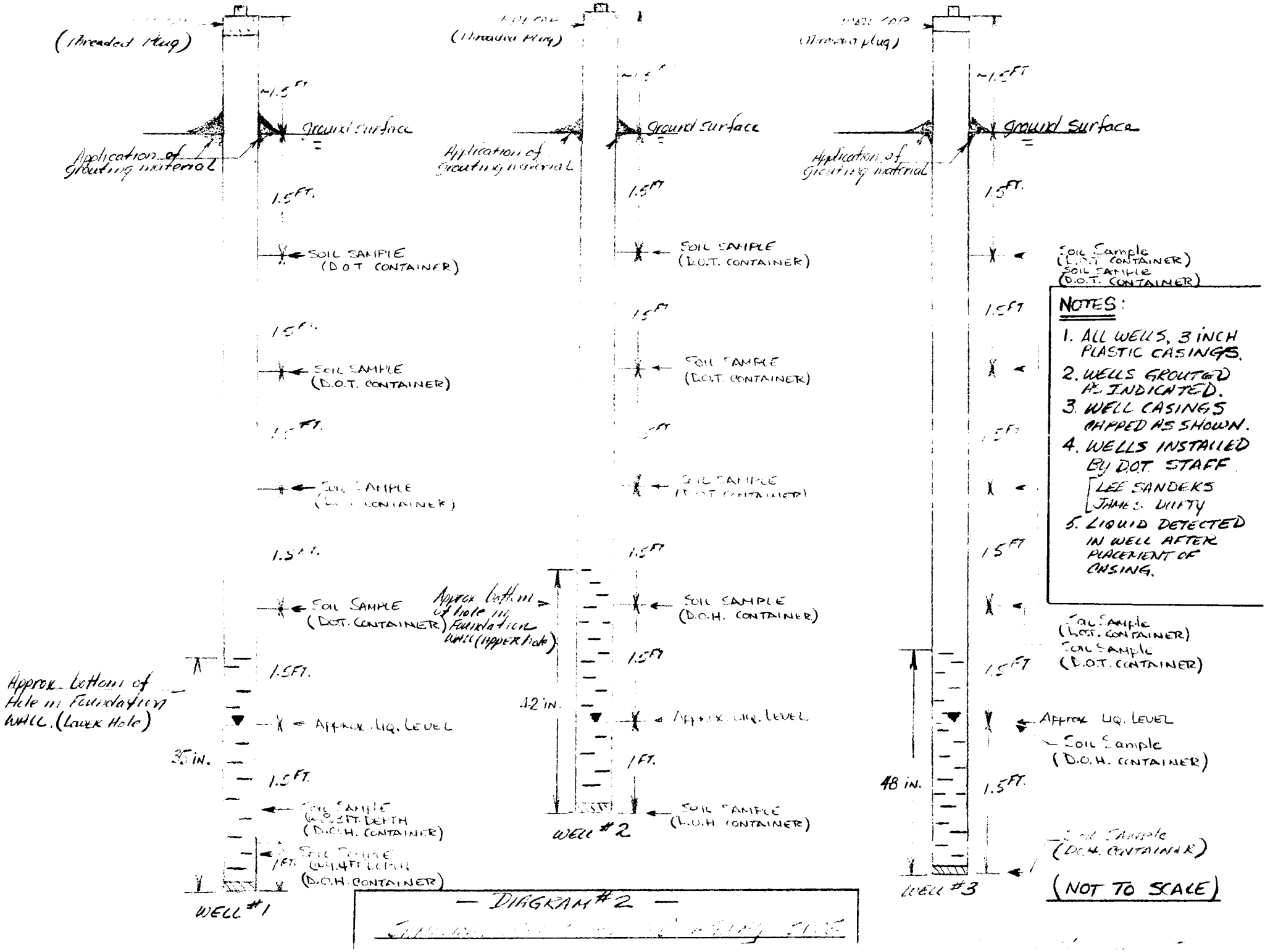


NOTES:

1. 3 INCH PLASTIC CASINGS
2. CASINGS PERFORATED A.O.B.E.
3. DEPTH OF WELLS TO BE APPROX. 30 INCHES BELOW ELEVATIONS of Holes in Foundation wall.
4. CASINGS TO EXTEND APPROX 1.5 FEET ABOVE GROUND ELEVATION AND TO BE ADEQUATELY CAPPED.
5. Soil Samples to be collected from each WELL A.O.B.E.
6. SAMPLES OF LIQUID TO BE COLLECTED FROM EACH SAMPLING WELL AS IT IS DETECTED

original 1/13/81
by J.C HOTALING JR
updated - 1/30/81

(NOT TO SCALE)


(Threaded Plug)
~1.5 FT
Ground Surface
Application of Grouting material
1.5FT.
SOIL SAMPLE (D.O.T. CONTAINER)
Approx. Bottom of Hole in Foundation Wall. (Lower Hole)
Approx. Liq. Level
35 IN.
SOIL SAMPLE @ 0.3FT. DEPTH (D.O.H. CONTAINER)
SOIL SAMPLE @ 1.4FT. DEPTH (D.O.H. CONTAINER)
WELL #1
Approx. Bottom of Hole in Foundation Wall (Upper Hole)
42 IN.
SOIL SAMPLE (D.O.H. CONTAINER)
1FT.
WELL #2
48 IN.
Soil Sample (D.O.T. CONTAINER)
Soil Sample (D.O.H. CONTAINER)
WELL #3
NOTES:
1. ALL WELLS, 3 INCH PLASTIC CASINGS.
2. WELLS GROUTED AS INDICATED.
3. WELL CASINGS CAPPED AS SHOWN.
4. WELLS INSTALLED BY D.O.T. STAFF
LEE SANDERS
JAMES DUFFY
5. LIQUID DETECTED IN WELL AFTER PLACEMENT OF CASING.
(NOT TO SCALE)

— DIAGRAM #2 —

AECOM Environment

Prepared for:
Superfund Standby Program
NYSDEC
Albany, NY

Prepared by:
AECOM
Latham, NY
60135838.05
May 2011

Site Management Plan
Old Agway Site
Ballston Spa, New York
NYSDEC Site # 5-46-021

AECOM Environment

Prepared for:
Superfund Standby Program
NYSDEC
Albany, NY

Prepared by:
AECOM
Latham, NY
60135838.05
May 2011

Site Management Plan
Old Agway Site
Ballston Spa, New York
NYSDEC Site # 5-46-021

Lori A. Hoose
Prepared By Lori A. Hoose

Scott A Underhill
Reviewed By Scott A. Underhill

Contents

Engineering Certification ii

1.0 Introduction 1-1

1.1 Site Background 1-1

2.0 Site Management Plan 2-1

2.1 Engineering Control Components 2-1
2.1.1 Leachate Collection System 2-1
2.1.2 Site Access Control 2-1
2.1.3 Foundation Wall Repair/Removal 2-1
2.1.4 Soil Characterization and Management 2-2

2.2 Institutional Controls Components 2-2

2.3 Inspections and Notifications 2-3

3.0 Operation, Maintenance and Monitoring Plan 3-1

4.0 Inspections, Reporting and Certification 4-1

4.1 Site Inspections 4-1
4.1.1 Inspection Frequencies 4-1
4.1.2 Inspection Forms, Sampling Data, and Maintenance Reports 4-1
4.1.3 Evaluation of Records and Reporting 4-1
4.1.4 Certification of Engineering and Institutional Controls 4-1

4.2 Periodic Review Report 4-1

4.3 Corrective Measures Plan 4-2

5.0 References 5-1

List of Figures

Figure 1 – Site Location Map

Figure 2 – Schematic Cross-section of Collection Trench

List of Tables

Table 1 – Monitoring/Inspection Schedule

Table 2 - Leachate Collection Pipe Sample Analysis and Clean Up Objectives for Water and Soil

Attachments

Attachment 1 Old Agway Health and Safety Task Hazard Analysis

Attachment 2 IC/EC Certification Form

Attachment 3 Site Inspection Checklist

Engineering Certification

I certify that I am currently a NYS registered professional engineer and that this Site Management Plan for the Old Agway Site was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10) and that all activities were performed in full accordance with the DER-approved work plan and any DER-approved modifications.

Respectfully submitted,
AECOM Technical Services Northeast, Inc.



May 31, 2011

Scott A. Underhill
Registered Professional Engineer
New York License No. 075332

Date

1.0 Introduction

This document is required as an element of the remedial program at the Old Agway Site ("Site") under the New York State Superfund Standby Program administered by New York State Department of Environmental Conservation (NYSDEC). The Site is listed as Class 4 (issued Site number 5-46-021) meaning that it has been properly closed but requires continued site management, consisting of operation, maintenance, and monitoring (OM&M).

1.1 Site Background

The Site is located off of Science Street in a residential area of Saratoga County in Ballston Spa, New York (Figure 1). The Agway Store building was destroyed by fire on March 4, 1977, and as a result various pesticides and herbicides stored in the basement were released into the environment. After the fire, recognizable herbicides and pesticides were removed, and the basement floor of the building was broken up and backfilled, leaving an exposed foundation wall along the western portion of the Site. Subsequent rainfall infiltrated the backfilled foundation, resulting in the generation of leachate in the subsurface, which ponded at the surface in residential properties down gradient and adjacent to the Site. Samples of the leachate were collected, and analysis showed concentrations of several contaminants, including pentachlorophenol, 2, 4, 5-TP (silvex), and atrazine.

A horizontal collection system consisting of 97 feet of perforated pipe was installed approximately 4-ft below grade in September 1977 to prevent ponding of the groundwater seepage on adjacent properties downgradient from the site (Figure 2). The leachate and groundwater collected by the system is directly discharged to the Saratoga County Sewer District publically owned treatment works for treatment. NYSDEC has been maintaining the collection system since the Consent Order expired in 1986, part of which includes the periodic collection of groundwater samples. The groundwater from the collection system has been sampled periodically since 1990 and every five quarters since 2007 by AECOM Technical Services Northeast, Inc. (AECOM). In April 2007, the NYSDEC approved AECOM to perform site maintenance and monitoring (M&M) at the Site over a four year period. Maintenance within the first year of the program included tree and debris removal from the area of the collection system, location and uncovering of the manhole, and a video inspection to assess the integrity of the collection system.

The instability of the foundation wall on the west end of the property was noted during the initial maintenance and inspection at the Site. Portions of the wall were severely deteriorated. No repairs have been made to correct the stability of the foundation wall to date. The current property owner has inquired as to when repairs to the wall will be made.

2.0 Site Management Plan

This SMP was prepared by AECOM, on behalf of NYSDEC, in general accordance with the requirements in NYSDEC DER-10 Technical Guidance for Site Investigation and Remediation, dated May 2010, and the guidelines provided by NYSDEC. This SMP addresses the means for implementation of Engineering Controls (ECs) and Institutional Controls (ICs) and includes:

- An Engineering Control and Institutional Control (EC/IC) Plan, and
- A Operation, Maintenance and Monitoring (OM&M) Plan.

Engineering controls have been incorporated into the Site remedy to provide proper management of remaining contamination to ensure protection of public health and the environment. The ICs place restrictions on Site use, and mandate operation, maintenance, monitoring and reporting measures for all ECs and ICs.

The EC/IC Plan is one component of the SMP in addition to the Operation, Maintenance and Monitoring Plan and is subject to revision by NYSDEC.

2.1 Engineering Control Components

2.1.1 Leachate Collection System

The leachate collection system installed in 1977 continues to be utilized. The collection system is working to abate and prevent the flow of leachate from the Site over the surface and shallow subsurface of properties downgradient and adjacent to the Site by diverting such leachate flow into the Saratoga County Sewer District's sanitary system. Residents in the area are connected to the Village water system.

Analytical results from the February 2010 leachate collection system sampling event demonstrated that multiple exceedances of the New York State Ambient Water Quality Standards (AWQS) for drinking water remain, including detections of aldrin, 2,4,5-TP (silvex) and atrazine. Maintenance of the collection system and monitoring of the leachate should therefore be continued on a five quarter basis. Furthermore, all appropriate permits for the discharge water should be attained, as well as any work that needs to be done to acquire them. During the NYSDEC and NYSDOH file review for the PRR, no permits were located for the site.

2.1.2 Site Access Control

A six foot high chain link fence currently contains the portion of the leachate collection system to the west of the foundation wall. The existing fence is to be inspected and maintained during Site inspections as part of this EC/IC plan. Future modifications to the exact location of the chain link fence may be allowed with NYSDEC approval.

2.1.3 Foundation Wall Repair/Removal

A foundation wall of the Agway store remains on-site along the western property boundary with the Ballard property. This wall is a barrier to the potentially impacted soil located to the east and below the old store foundation. Seeps were observed coming from this wall in the past (1980's), however, inspections since 2007 have not noted any seeps coming from the wall.

Inspection of the wall will be conducted during annual Site visits. The wall is currently in disrepair and an engineer should inspect the structural integrity of the wall. If the only problem is determined to be spalling of the Skim coat, then the recommendation is to remove and replace the skim coat. If cracks or other conditions are noted, then a secondary structural analysis should be implemented.

Should the wall be required to be removed from the Site, any debris generated shall be handled in the appropriate manner and disposed of accordingly.

2.1.4 Soil Characterization and Management

Results from the most recent leachate collection system sampling event, in February 2010, have indicated that the drainage water from the Site is still being impacted by the surrounding soils. Since the Site cannot be delisted unless the hazardous waste (pesticides backfilled on-site when the store burned) are removed, soil samples should be collected to delineate any soils that have levels of pesticides in exceedance of New York State Part 375-6 Unrestricted Use Soil Cleanup Objectives (SCOs). If soils are found to have contaminant levels above Unrestricted Use SCOs, then a remedy should be implemented to remove this source and eliminate continued groundwater impact. Should the excavation of soils be deemed necessary, a Soil Management Plan will be prepared by the contractor, to be submitted to and approved by the NYSDEC prior to initiating any soil excavations. This will describe procedures for contaminant delineation, soil excavation and removal of soils from the property that are designed to protect human health and the environment. This plan will include, at minimum:

- A provision for prior notification and approval of NYSDEC and NYSDOH for any intrusive activities that could result in exposure to subsurface soils. In addition, data from any post excavation monitoring efforts are to be reviewed prior to any intrusive activities;
- Protocols and procedures for sampling soils to determine the concentration of contaminants;
- A description of health and safety requirements and general procedures to be followed during any Site excavation of soils. This should be designed to minimize the possibility that personnel at the facility and the surrounding community will be exposed to Site contaminants during the excavation of soils;
- In the case of off-site soil disposal, a hazardous waste determination protocol to verify whether deposition into a secure hazardous waste landfill or a solid waste landfill is necessary;
- A determination of any Site appropriate green technology use per DER-31; and
- A provision for a submittal of a construction completion report to the NYSDEC for all activities conducted pursuant to the Soil Management Plan.

2.2 Institutional Controls Components

A series of Institutional Controls have been implemented by the NYSDEC to: (1) implement, maintain and monitor Engineering Control systems; (2) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and (3) limit the installation of groundwater wells and use of groundwater. Adherence to these Institutional Controls on the Site is required by the NYSDEC and will be implemented under this SMP. These Institutional Controls are:

- All ECs must be operated and maintained as specified in this SMP;
- All ECs on the Old Agway Site must be inspected and certified annually;
- Groundwater and other environmental or public health monitoring must be performed as defined in this SMP;
- Data and information pertinent to Site Management for the Site must be reported at the frequency and in a manner defined in this SMP; and
- On-site environmental monitoring devices and treatment units must be protected and replaced as necessary to ensure the devices function in the manner specified in this SMP.

The site has a series of ICs in the form of site restrictions, based on the Site's status as a Class 4 Hazardous Waste site in the NYS Registry. Adherence to these ICs is required by the NYSDEC. Site restrictions that apply to the Site are:

- The use of the groundwater underlying the property is prohibited without treatment rendering it safe for intended purpose; and
- All future activities on the property that will disturb remaining contaminated material are prohibited unless they are conducted with the permission of the NYSDEC, per the December 23, 1999 letter to Charles Hogan from Denise Wagner, NYSDEC.

2.3 Inspections and Notifications

Inspections of all remedial components installed at the Site will be conducted at the frequency specified in the SMP Maintenance and Monitoring Plan. A comprehensive Site-wide inspection will be conducted on a five quarter basis to coincide with the leachate sampling, regardless of the frequency of the Periodic Review Report (PRR).

If an emergency, such as a natural disaster or an unforeseen failure of any of the ECs occurs, an inspection of the Site will be conducted within 5 days of the event to verify the effectiveness of the EC/ICs implemented at the Site by a qualified environmental professional as determined by the NYSDEC.

Notifications will be submitted by the M&M Contractor to the NYSDEC as needed. Notifications will be made to Payson Long or David Gardner, Remedial Bureau E, Section D, NYSDEC DER, 625 Broadway, Albany, NY 12233. In the event that NYSDEC develops a centralized notification system, that system will be used instead.

3.0 Operation, Maintenance and Monitoring Plan

The monitoring program for the Old Agway site is summarized in Table 1 below:

Table 1. Monitoring/Inspection Schedule

Monitoring Program	Frequency*	Matrix	Analysis
Leachate Collection Sump	Every Five Quarters	Water	SVOCs plus Atrazine by EPA method SW 8270 Chlorinated herbicides by EPA method SW 8151 Organochlorine pesticides by EPA method SW 8151 Organophosphate pesticides by EPA method SW 8141
Site Inspections	Annually	NA	NA

* The frequency of events will continue as specified until otherwise approved by NYSDEC and NYSDOH.

All leachate sampling activities will be recorded in a field book. Other observations (e.g.,foundation wall, tree obstructions.) will be noted on the Site Inspection Checklist (Attachment 3).

As presented on Table 1, leachate from the sump will be sampled and analyzed for; Semi-Volatile compound plus Atrazine by EPA method SW 8270, Chlorinated Herbicides by EPA method SW 8151, Organochlorine pesticides by EPA method SW 8151, and Organophosphate pesticides by EPA method SW 8141.

Table 2 in the Attachments presents the leachate data collected to date, and includes the Clean-up objectives for both groundwater and soil for the compounds of concern at the Old Agway Site. The clean up objectives/standards for water were obtained from the Division of Water Technical and Operational Guidance Series (TOGS 1.1.1) - New York State Ambient Water Quality Standard and Guidance Values for drinking water and Groundwater Effluent Limitation, June 1998. The soil clean up objectives are referenced in 6 NYCRR Part 375-6.8, Environmental Remediation Programs, Effective December 14, 2006.

All field work will be conducted in accordance the Old Agway Task Hazard Analysis form (See Attachment 1), which will be updated and approved prior to any field activities.

All monitoring results will be reported to NYSDEC in the Periodic Review Report. A letter report will also be prepared subsequent to each sampling event. The report (or letter) will include, at a minimum:

- Date of event;
- Personnel conducting sampling;
- Description of the activities performed;

- Type of samples collected;
- Copies of all field forms completed (e.g., well sampling logs, chain-of-custody documentation, etc.);
- Sampling results in comparison to appropriate standards/criteria;
- A figure illustrating sample type and sampling locations;
- Copies of all laboratory data sheets and the required laboratory data deliverables required for all points sampled (or be submitted electronically in the NYSDEC-identified format);
- Any observations, conclusions, or recommendations; and
- A determination as to whether leachate conditions have changed since the last reporting event.

Data will be reported in digital format as determined by NYSDEC.

4.0 Inspections, Reporting and Certification

4.1 Site Inspections

4.1.1 Inspection Frequencies

All inspections will be conducted at the frequency specified in the schedules provided in Section 3 of this SMP. At a minimum, a site-wide inspection will be conducted annually. Inspections of remedial components will also be conducted when a breakdown of any treatment system component has occurred or whenever a severe condition has taken place, such as an erosion or flooding event that may affect the ECs.

4.1.2 Inspection Forms, Sampling Data, and Maintenance Reports

Forms and any other information generated during regular monitoring events and inspections will be kept on file. All forms, including the attached EC/IC Certification forms and Site Inspection Checklist (Attachment 2 and 3), and other relevant reporting formats used during the monitoring/inspection events, will be (1) subject to approval by NYSDEC and (2) submitted at the time of the Periodic Review Report.

4.1.3 Evaluation of Records and Reporting

The results of the inspection and site monitoring data will be evaluated as part of the EC/IC certification to confirm that:

- The EC/ICs are in place, are performing properly, and remain effective;
- The Monitoring Plan is being implemented;
- Operation and maintenance activities are being conducted properly; and, based on the above items,
- The site remedy continues to be protective of public health and the environment.

4.1.4 Certification of Engineering and Institutional Controls

After the last inspection of the reporting period, a Professional Engineer licensed to practice in New York State will certify the following:

- The institutional control and/or engineering control employed at this site is unchanged from the date the control was put in place, or last approved by the Department;
- Nothing has occurred that would impair the ability of the control to protect the public health and environment; and
- The engineering control systems are performing as designed and are effective.

4.2 Periodic Review Report

A PRR was submitted to and approved by the Department in January 2011. A PRR will be submitted every five years thereafter (January 2016), unless the frequency is changed in a subsequent PRR. The PRR will be prepared in accordance with NYSDEC DER-10 and submitted within 45 days of the end of each certification period. Media sampling results will also incorporated into the PRR. The report will include:

- Identification, assessment and certification of all ECs/ICs required by the remedy for the site;
- Results of the required annual site inspections and severe condition inspections, if applicable;
- All applicable inspection forms and other records generated for the site during the reporting period in electronic format;

- Data summary tables and graphical representations of contaminants of concern by media which include a listing of all compounds analyzed, along with the applicable standards, with all exceedances highlighted. These will include a presentation of past data as part of an evaluation of contaminant concentration trends;
- Results of all analyses, copies of all laboratory data sheets, and the required laboratory data deliverables for all samples collected during the reporting period will be submitted electronically in a NYSDEC-approved format;
- A site evaluation, which includes the following:
    - The compliance of the remedy with the requirements of the site-specific Decision Document;
    - Any new conclusions or observations regarding site contamination based on inspections or data generated by the Monitoring Plan for the media being monitored;
    - Recommendations regarding any necessary changes to the remedy and/or Monitoring Plan; and
    - The overall performance and effectiveness of the remedy.

The PRR will be submitted, in electronic format, to the NYSDEC Central Office and the NYSDOH Bureau of Environmental Exposure Investigation.

4.3 Corrective Measures Plan

If any component of the remedy is found to have failed, or if the periodic certification cannot be provided due to the failure of an institutional or engineering control, a corrective measures plan will be submitted to the NYSDEC for approval. This plan will explain the failure and provide the details and schedule for performing work necessary to correct the failure. Unless an emergency condition exists, no work will be performed pursuant to the corrective measures plan until it is approved by the NYSDEC.

5.0 References

New York State Department of Environmental Conservation. 1981. *Order of Consent: Ballston Agway Cooperative.* Signed by M. Peter Lanahan, First Deputy Commissioner, August 6, 1981.

___. 1999. December 23, 1999 letter to Charles Hogan from Denise Wagner, NYSDEC.

___. 1998. Division of Water Technical and Operational Guidance Series (TOGS 1.1.1) - New York State Ambient Water Quality Standard and Guidance Values for drinking water and Groundwater Effluent Limitation, June 1998.

___. 2006. 6 NYCRR Part 375-6.8, Environmental Remediation Programs, Effective December 14, 2006.

___. 2010, DER-10, Technical Guidance for Site Investigation and Remediation, NYSDER, May 2010.

Figures



LEGEND

HISTORIC GROUNDWATER FLOW DIRECTION

COLLECTION SUMP

PLAN

0' 100' 200' 400'

Map Reference:
Study area can be found on the USGS 7.5 minute quadrangle, Saratoga Springs series.

AECOM

Figure 1
Site Location Plan

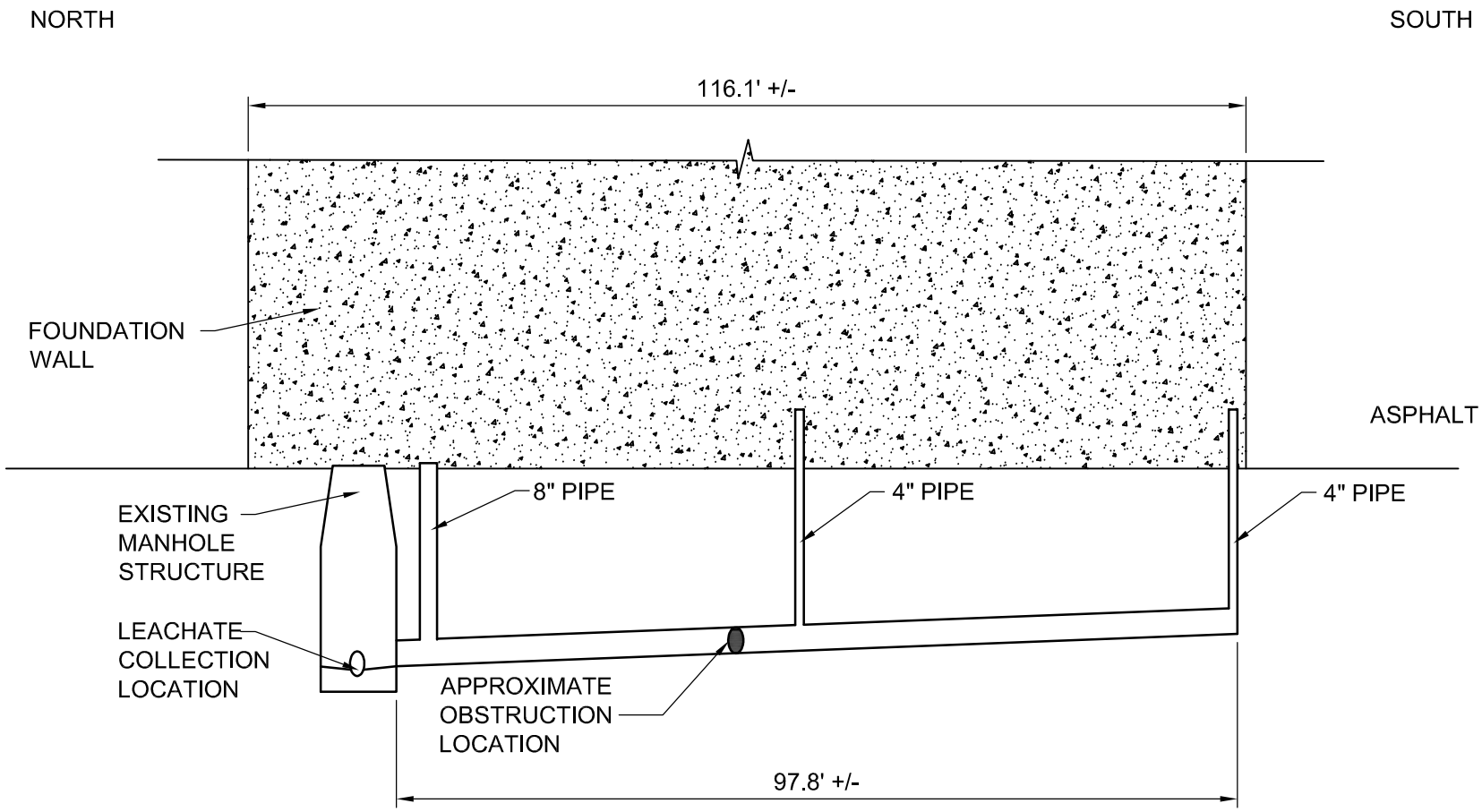
OLD AGWAY STORE - SITE 5-46-021
BALLSTON SPA, NEW YORK

FILE NAME:	DRN	PROJECT NO.	DATE	FIGURE NO.
AGWAY-ORTHO-2010.dwg	—	99161	7/2010	02

Plotted By: MeisterK
Layout--Sheet Name: FIGURE2
Plot File Date Created: Jul/12/2010 2:38 PM

Filename: L:\WORK\99161\CADD\AGWAY-SITE-MAP\AGWAY-ORTHO-2010.DWG

Plotted By: blaydesb
Layout–Sheet Name: FIG–3
Plot File Date Created: Apr/19/2010 1:26 PM
Filename: L:\WORK\99161\CADD\AGWAY-SITE-MAP\AGWAY-SITE-MAP.DWG



CROSS SECTION (FACING EAST)

NOT TO SCALE

AECOM

Figure 2 - Schematic Cross-section of Collection Trench

OLD AGWAY STORE - SITE 5-46-021
BALLSTON SPA, NEW YORK

FILE NAME:	DRN	PROJECT NO.	DATE	FIGURE NO.
AGWAY-SITE-MAP.dwg	—	99161	AUG. 2009	03

Tables

Table 2
Old Agway Site
Ballston Spa, New York
Site #5-46-021
Leachate Collection Pipe Sample Analysis
and Clean Up Objectives for Water and Soil

Chemical	Groundwater Standard or Guidance Value [1]	Leachate Collection Pipe								Unrestricted use Soil Cleanup Objectives in ppm [2]
		Mar-90	Aug-91	May-92	Apr-95	Nov-99	Aug-07	Nov-08	Feb-10	
Pesticide Organics										
Aldrin	NDC	**0.11**	**0.29**	**0.29**	**0.15**	**0.47**	**0.13**	**0.12**	**0.14**	0.005
Chlordane	0.05	<0.05	<0.5	<0.5	<0.84	NA	<0.050	<0.050	<0.050	0.094
gamma-Chlordane	0.1	NA	NA	NA	NA	0.19	<0.050	<0.050	<0.050	None
gamma-BHC (lindane)	0.05	NA	NA	NA	NA	0.18	<0.050	<0.050	<0.050	0.1
Dieldrin	0.004	**0.16**	**0.25**	**0.25**	<0.17	**0.32**	**0.16**	**0.20**	**0.12**	0.005
4,4'-DDD	0.3	<0.1	<0.1	<0.1	<0.17	<0.10	<0.10	<0.10	<0.10	0.0033
Phenols										
Phenols	1	<1	<1	<1	NA	**41.2**	<10	<20	<10	0.33
Pentachlorophenol	1	<1	<1	<1	NA	NA	<20	<40	<20	0.8
Herbicides										
2,4-D	50	<1	<1	<1	<1.7	<1.0	<1.0	<1.0	<1.0	None
2,4,5-TP (Silvex)	0.26	**1.5**	**0.96**	**1.9**	<0.84	**0.85**	**0.14**	**0.32**	**0.13**	3.8
Organophosphate Pesticides										
Atrazine	7.5	**160**	**8.6**	**240**	**270**	**546**	NA	**160**	**150**	None
Diazinon	0.7	<0.2	<0.2	<0.2	<0.33	<0.46	NA	NA	<5.1	None
Demeton-o,s	5	**11**	<1	**2.4**	<0.33	<0.31, <0.15	NA	NA	<5.1, <5.1	None
Ronnel	None	NA	NA	NA	NA	**1.59**	NA	NA	NA	None
Fensulfothion	None	NA	NA	NA	**0.48**	<0.46	NA	NA	NA	None
o,o,o - Tepp	None	NA	NA	NA	NA	NA	<0.2	<0.2	NA	None
Thionazin	None	NA	NA	NA	NA	NA	<0.2	<0.2	<5.1	None
Phorate	NDC	NA	NA	NA	NA	NA	<0.2	<0.2	<5.1	None
Dimethoate	None	NA	NA	NA	NA	NA	<0.2	<0.2	<5.1	None
Disulfoton	NDC	NA	NA	NA	NA	NA	<0.2	<0.2	<5.1	None
Methyl Parathion	1.5	NA	NA	NA	NA	NA	<0.2	<0.2	<5.1	None
Parathion	1.5	NA	NA	NA	NA	NA	<0.2	<0.2	<5.1	None
Famphur	None	NA	NA	NA	NA	NA	<0.2	<0.2	<5.1	None

[1] TOGS 1.1.1 - New York State Ambient Water Quality Standard and Guidance Values for drinking water and Groundwater Effluent Limitation, June 1998.

[2] 6 NYCRR Part 375-6.8, Environmental Remediation Programs, Effective December 14, 2006

NDC = the standard is the non-detectable concentration by the approved analytical methods.
Bold = Analyte detected
Bold and Highlighted = Analyte detected above AWQS or GV
NA = not analyzed
All concentrations in ug/L.
- not applicable

Attachment 1

Old Agway Health and Safety Task Hazard Analysis

S3NA-209-FM TASK HAZARD ANALYSIS

AECOM	Project Name: Old Agway Site - 546021	Project Number: 60135838	Client: NYSDEC
	Supervisor: Scott Underhill	Project Manager: Lori Hoose	Location: Court Street, Ballston Spa, NY
	THA Developed By: Lori Hoose		Date: May 2011
TASK HAZARD ANALYSIS	Task Name: Leachate sampling from Sump and Site Inspections	Regularity of Task: One-time ☐ Routine ☑	

	Job Event Sequence *(List the major steps of the individual task)*	Hazards *(List primary hazards)*	Hazard Classification (*before controls*) Severity	Likelihood	Risk Level	Hazard Classification	Controls *(List controls that AECOM will implement)*
1	Remove Manole Cover	Weight of Manhole Lid, Possible pinching	1	1	1	Low	Crow Bar or manhole cover remover, heavy cloth gloves
2	Using a beaker on a stick, sample leachate	Splashing of water	1	1	1	Low	Safety glasses and protective gloves.
3	from discharge point in manhole.				0		
4	Replace Manhole cover.	Weight of Manhole Lid, Possible pinching	1	1	1	Low	Crow Bar, Manhole cover remover, heavy cloth gloves.
5					0		
6	Site Inspections	Insects, Cold/heat	1	1	1	Low	Proper protective clothing.
7					0		
8					0		
9		Contaminants of Concern:			0		
10		Pesticides (Aldrin, Dieldrin)			0		
11					0		
12		Herbicides (2,4,5-TP (Silvex))			0		
13		Phenols			0		
14					0		
15					0		
16					0		
17					0		

Hazard Classification Guidelines

Severity

1 Remote potential for injury, property damage/$ loss, or env damage

2 Potential for minor first aid injury, property damage/$ loss, or environmental damage

3 Potential for moderate personnel injuries, including medical treatment, property damage/$ loss, environmental damage, or negative public impact

4 Potential for a serious injury, major property damage/$ loss, serious impact to the environment, and public health

5 Catastrophic damage to people, property/equipment, environment, or public health

Likelihood of Occurrence

1 Very unlikely

2 Unlikely

3 Likely

4 Very likely

5 Certain

Hazard Classification Matrix

Likelihood \ Severity	1	2	3	4	5
1	1	2	3	4	5
2	2	4	6	8	10
3	3	6	9	12	15
4	4	8	12	16	20
5	5	10	15	20	25

Risk Level
Low
Medium
High

Risk Level = Likelihood x Severity

S3NA-209-FM TASK HAZARD ANALYSIS

AECOM	Project Name: Old Agway Site - 546021	Project Number: 60135838	Client: NYSDEC
	Supervisor: Scott Underhill	Project Manager: Lori Hoose	Location: Court Street, Ballston Spa, NY
	THA Developed By: Lori Hoose		Date: May 2011

SUMMARY OF CONTROLS

Task Name: Leachate sampling from Sump and Site Inspections

Regularity of Task: One-time ☐ Routine ☑

Personal Protective Equipment (*check all that apply*)

- ☑ CSA/ANSI Safety-Toed Boots (Leather or Rubber)
- ☑ CSA/ANSI Safety Glasses or Goggles
- ☑ CSA/ANSI-approved Hard Hat
- ☑ CSA/ANSI Type II/III Reflective Traffic Safety Vest
- ☐
- ☐
- ☐
- ☐
- ☐
- ☐

Air Monitoring (reference HASP monitoring plan)

☐ No air monitoring required ☑ Air monitoring required (*see procedures below*)

Parameter	Location/Monitoring Interval	Response/Action Levels	Response Activity
		See Below	See Below

Required Training (associated with this THA)	Key SOPs (associated with this THA)		Client & Other Requirements
1 40 Hazwhoper training	S3NA-308-PR Manual Lifting, Field		Air Monitoring will be conducted if there is any entering the manhole (including "breaking the plain" of the manhole). If this case, air would need to be monitored for oxygen and LEL.
2	S3NA-505-PR Cold Stress Prevention		
3	S3NA-511-PR Heat Stress Prevention		
4	S3NA-305-PR Hand and Power Tools		
5			
6			

Acknowledgement / Signatures

Project Manager / Supervisor (signature): Date:

Name	Signature	Company	Date	Name	Signature	Company	Date

S3NA-209-FM TASK HAZARD ANALYSIS

AECOM	Project Name: Old Agway Site - 546021	Project Number: 60135838	Client: NYSDEC
	Supervisor: Scott Underhill	Project Manager: Lori Hoose	Location: Court Street, Ballston Spa, NY
	THA Developed By: Lori Hoose		Date: May 2011
EMERGENCY RESPONSE PLAN	Task Name: Leachate sampling from Sump and Site Inspections	Regularity of Task: One-time ☐ Routine ☑	

Check-in Procedures

Check-in Times	Check-in Person	Phone Number	Cell Phone Number
Alternate:			

Emergency Coordinators / Key Personnel

Name	Title	Phone Number	Cell Phone Number
	On-site First Aid Attendant		
Lori Hoose	Project Manager	518 951-2353	518 275-5691
	Site Supervisor		
Michael Grasso	Regional SH&E Manager	607-282-0175	607-282-0175
	Incident Reporting Line (BY THE END OF THE SHIFT)	1.800.348.5046	
David Gardner	Client Contact	518 402-9813	
Payson Long			

Emergency Agencies / Public Utilities

Name	Type	Details	Phone Number
Ballston Spa Police Department	Police		911
Eagle Matt Lee Fire Department	Fire		911 or (518) 885-6261
Community Emergency Corps	Ambulance		911
Saratoga Hospital	Nearest Hospital / Clinic		911 or (518) 587-3222
	Poison Control Center		1 800-222-1222
	Pollution / Environmental		

Emergency Equipment & Supplies

- ☑ First Aid Kit - Type:
- ☐ Blankets / Survival:
- ☑ Fire Extinguishers Type:
- ☑ Communication Device
- ☑ Vehicle Safety Equipment
- ☑ Eye Wash
- ☐ Spill Kit
- ☐ Other:

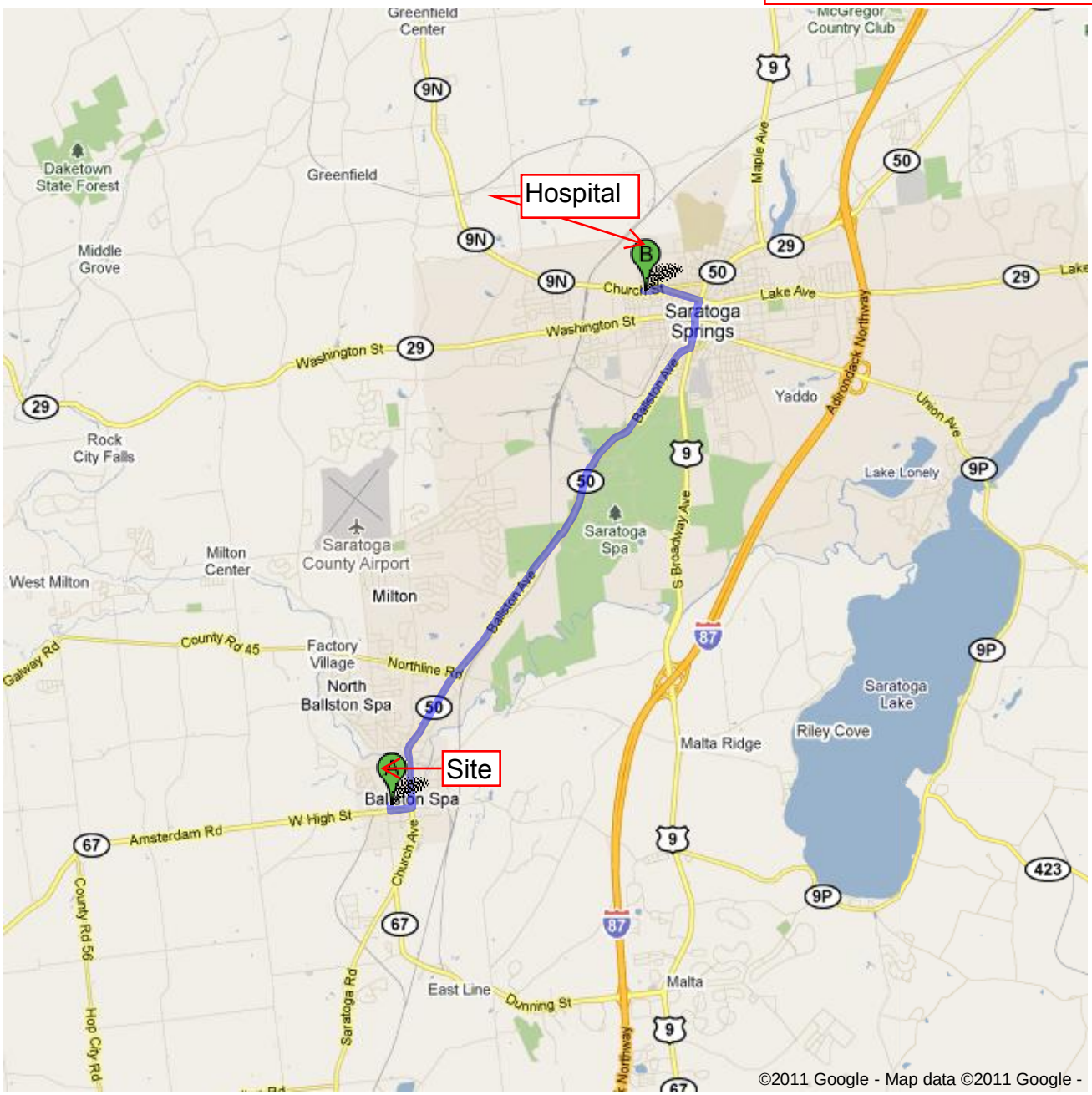
Other Emergency Plan Details

See Attached Map to Saratoga Hospital

Google maps

Directions to Saratoga Hospital
211 Church Street, Saratoga Springs, NY 12866-1090 - (518) 587-3222
7.7 mi – about **17 mins**

Map to Saratoga Hospital



Court St, Ballston Spa, NY 12020

1.	Head **south** on **Court St** toward **W High St**	go 325 ft total 325 ft
2.	Turn left onto **W High St** About 2 mins	go 0.2 mi total 0.3 mi
3.	Turn left onto **Milton Ave** About 1 min	go 0.7 mi total 1.0 mi
4.	Continue onto **Doubleday Ave** About 2 mins	go 1.1 mi total 2.0 mi
5.	Continue onto **Ballston Ave** About 7 mins	go 4.5 mi total 6.5 mi
6.	Turn left onto **Broadway Ave** About 2 mins	go 0.6 mi total 7.1 mi
7.	Turn left onto **Church St** Destination will be on the right About 2 mins	go 0.6 mi total 7.7 mi

Saratoga Hospital
211 Church Street, Saratoga Springs, NY 12866-1090 - (518) 587-3222

These directions are for planning purposes only. You may find that construction projects, traffic, weather, or other events may cause conditions to differ from the map results, and you should plan your route accordingly. You must obey all signs or notices regarding your route.

Map data ©2011 Google

Directions weren't right? Please find your route on maps.google.com and click "Report a problem" at the bottom left.

Attachment 2

IC/EC Certification Form

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
PERIODIC REVIEW DATA COLLECTION FORM (PRDCF)
12/23/2010

SITE DESCRIPTION

REMEDIAL PROGRAM: **HW**

SITE NO.: **546021**

CITY/TOWN: Ballston Spa
COUNTY: Saratoga

SITE NAME: **Old Agway Store**

SITE ADDRESS: Science Street
ZIP CODE: 12020

SITE-USE RESTRICTION: Not Specified
CURRENT USE: Structure

SITE MANAGEMENT PLAN INCLUDES:

SITE MANAGEMENT PLAN INCLUDES:	YES	NO	N/A
Institutional/Engineering Control (IC/EC) Certification Plan	☒	☐	☐
Monitoring Plan	☒	☐	☐
Operation and Maintenance (O&M) Plan	☐	☒	☐

PERIODIC REVIEW FREQUENCY: Every 5 years

DATE OF THIS PERIODIC REVIEW: Last completed January 2011

DESCRIPTION OF INSTITUTIONAL CONTROLS BEING CERTIFIED

Land Use Restriction
Groundwater Use Restriction

DESCRIPTION OF ENGINEERING CONTROLS BEING CERTIFIED

Leachate Collection System
Fencing
Foundation Wall for soil and groundwater

DESCRIPTION OF REMEDY ELEMENTS SUBJECT TO THE MONITORING PLAN

PR Determines monitoring of below elements is:			Satisfactory	Unsatisfactory	May be discontinued
OU 01	Hydraulic Control	Groundwater-Containment	☐	☐	☐

OU 01	Leachate Recovery	Other	☐	☐	☐

DESCRIPTION OF REMEDY ELEMENTS SUBJECT TO THE O&M PLAN

PR Determines monitoring of below elements is:			Satisfactory	Unsatisfactory	May be discontinued
OU 01	Hydraulic Control	Groundwater-Containment	☐	☐	☐
OU 01	Leachate Recovery	Other	☐	☐	☐

DESCRIPTION OF ANY CORRECTIVE ACTION WORK NEEDED

Corrective Action Work Plan Approved: **Corrective Action Work Plan Implementation Complete:**

Will be determined based on Site Inspection

Note: List Problems and Severity as found in Reference 5 "Site Management Problems and Severity Identification Guidelines."

PERIODIC REVIEW REPORT APPROVAL AND ACCEPTANCE OF IC/EC CERTIFICATION

Date PRR Approved and IC/EC Certification Accepted:

PR Frequency: ☐ **Continues every ____ years** ☐ **New Period**

Attachment 3

Site Inspection Checklist

Site-Wide Annual Inspection Form

Old Agway Site
Ballston Spa, New York
Site # 5-46-021

Inspection Date:_____

Item	Yes	No	N/A	Comments
Where applicable, is the collection system fence in good condition?				
Is there any sign of leachate or seeps from the foundation wall?				
Is the foundation wall showing signs of deterioration?				
Is the area around the manhole clear and the manhole accessible?				
Has remedial performance criteria been achieved or maintained?				
Has sampling and analysis of appropriate media been performed during the monitoring event?				
Has the maintenance checklist been completed? (If a system is installed)				
Are site records including the Site Management Plan complete and up-to-date?				
If applicable, have there been any modifications made to the remedial or monitoring system?				
If applicable, does the remedial or monitoring system need to be changed or altered at this time?				
Has there been any intrusive activity, excavation, or construction occurred at the site?				
Were the activities mentioned above, performed in accordance with the SMP?				
Was there a change in the use of the site or were there new structures constructed on the site?				

Note: Upon completion of the form any non-conforming items warranting corrective action should be identified here within.

Name of Inspector: _____ Signature of Inspector: _____

Inspector's Company: _____ Date: _____

APPENDIX B

EDR REPORTS

(On compact disk)

Old Agway Store
61-2 GALWAY ST
Ballston Spa, NY 12020

Inquiry Number: 3580682.3
April 18, 2013

Certified Sanborn® Map Report

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

4/18/13

Site Name:
Old Agway Store
61-2 GALWAY ST
Ballston Spa, NY 12020

Client Name:
URS Corporation
77 Goodell Street
Buffalo, NY 14203

EDR Inquiry # 3580682.3

Contact: George Kisluk

EDR® Environmental Data Resources Inc

The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by URS Corporation were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

Certified Sanborn Results:

Site Name: Old Agway Store
Address: 61-2 GALWAY ST
City, State, Zip: Ballston Spa, NY 12020
Cross Street:
P.O. # NA
Project: Old Agway Store RI/FS
Certification # 1D9F-45A1-9F60

Maps Provided:

1950	1892
1944	1887
1924	
1911	
1904	
1897	

Sanborn® Library search results
Certification # 1D9F-45A1-9F60

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

The Sanborn Library LLC Since 1866™

Limited Permission To Make Copies

URS Corporation (the client) is permitted to make up to THREE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

Disclaimer - Copyright and Trademark notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2013 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

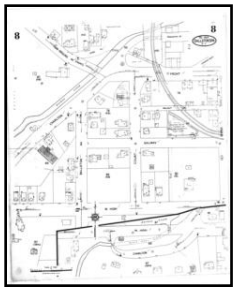
Sanborn Sheet Thumbnails

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

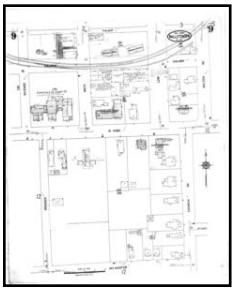
1950 Source Sheets



Volume 1, Sheet 2



Volume 1, Sheet 8



Volume 1, Sheet 9



Volume 1, Sheet 12

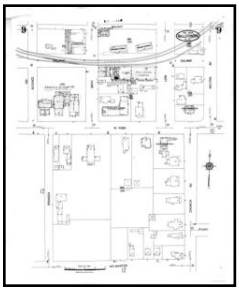
1944 Source Sheets



Volume 1, Sheet 2



Volume 1, Sheet 8



Volume 1, Sheet 9

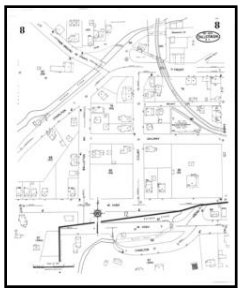


Volume 1, Sheet 12

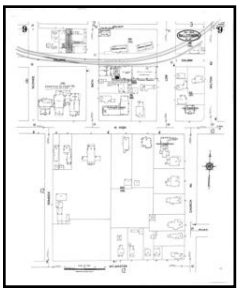
1924 Source Sheets



Volume 1, Sheet 2



Volume 1, Sheet 8

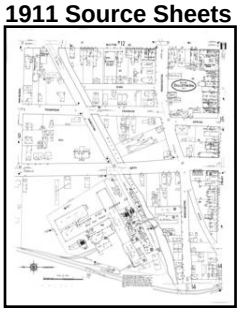


Volume 1, Sheet 9



Volume 1, Sheet 12

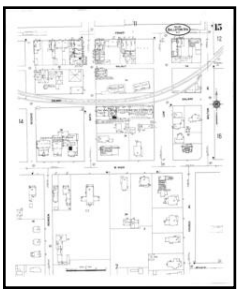
1911 Source Sheets



Volume 1, Sheet 11



Volume 1, Sheet 14



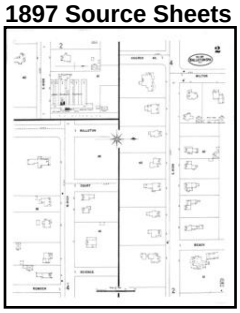
Volume 1, Sheet 15

1904 Source Sheets

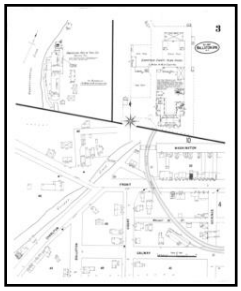


Volume 1, Sheet 8

1897 Source Sheets



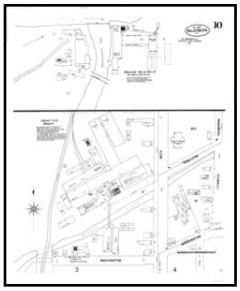
Volume 1, Sheet 2



Volume 1, Sheet 3



Volume 1, Sheet 4

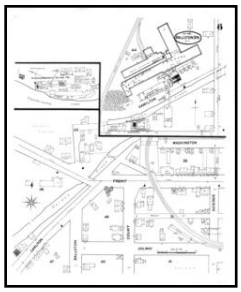


Volume 1, Sheet 10

1892 Source Sheets

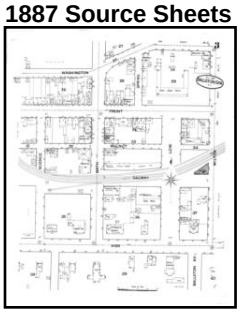


Volume 1, Sheet 3



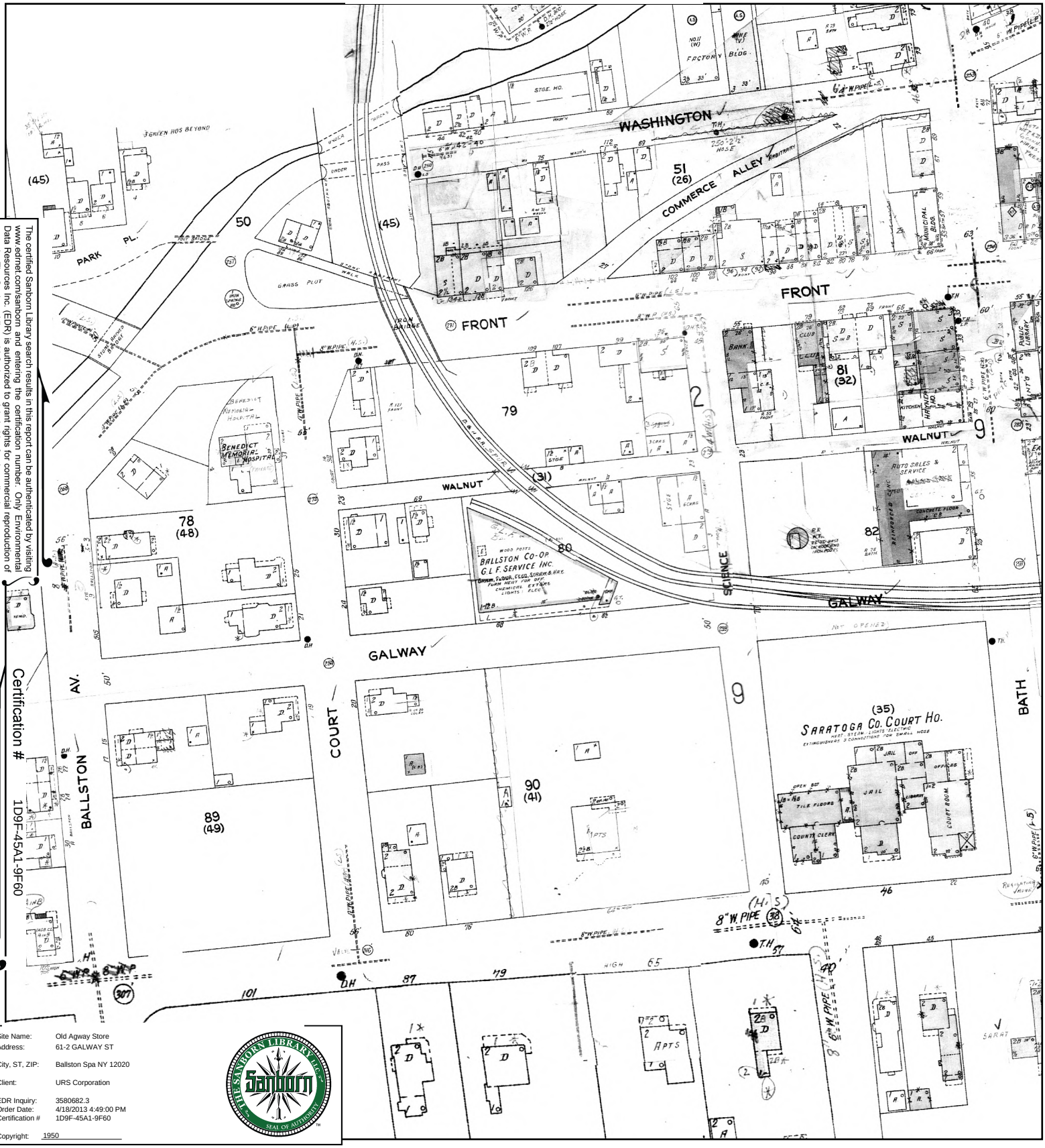
Volume 1, Sheet 6

1887 Source Sheets



Volume 1, Sheet 3

1950 Certified Sanborn Map



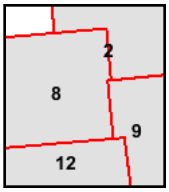
The certified Sanborn Library search results in this report can be authenticated by visiting www.ednet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 1D9F-45A1-9F60

Site Name:	Old Agway Store
Address:	61-2 GALWAY ST
City, ST, ZIP:	Ballston Spa NY 12020
Client:	URS Corporation
EDR Inquiry:	3580682.3
Order Date:	4/18/2013 4:49:00 PM
Certification #	1D9F-45A1-9F60
Copyright:	1950

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.



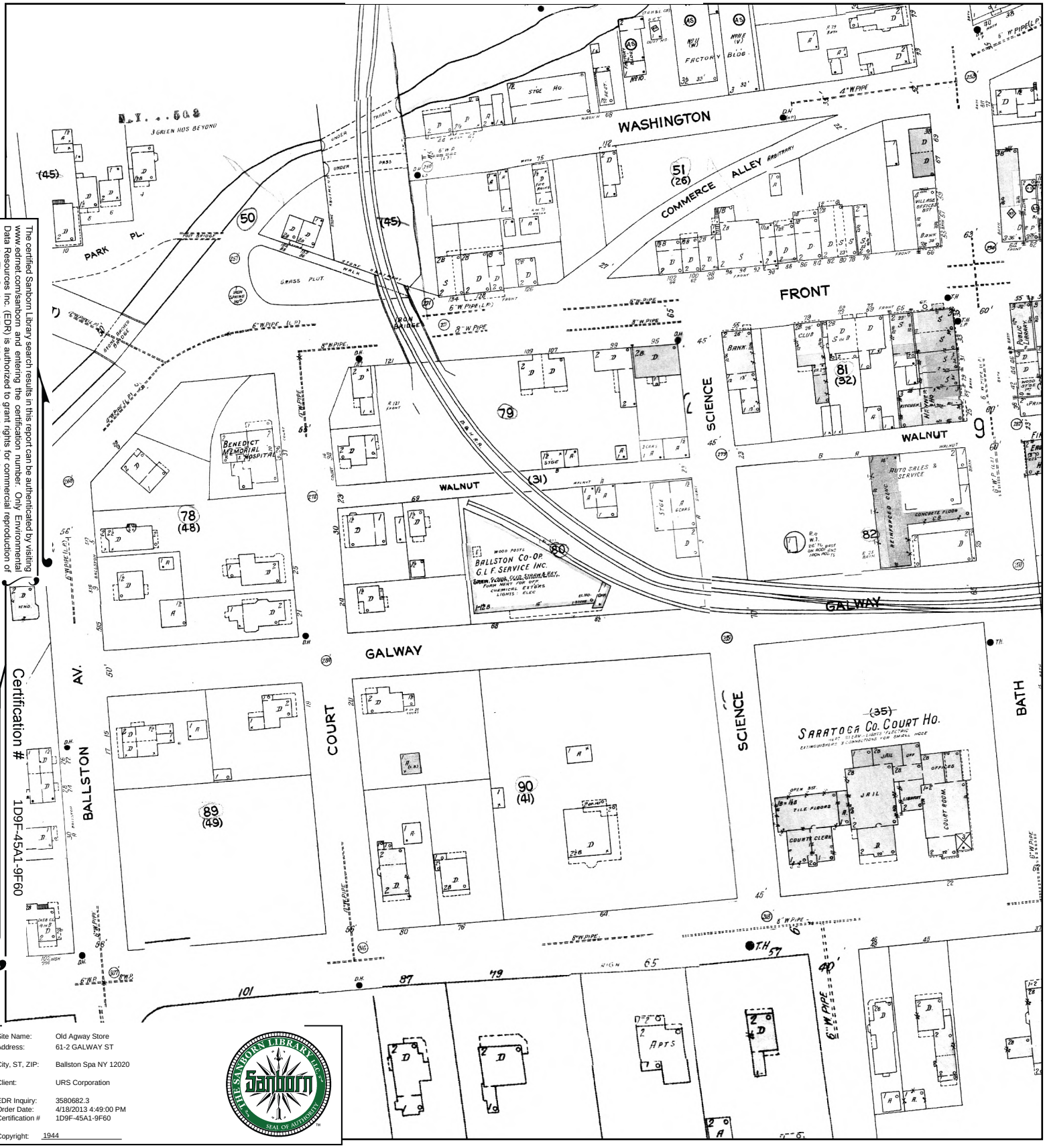


Volume 1, Sheet 2
Volume 1, Sheet 8
Volume 1, Sheet 9
Volume 1, Sheet 12

0 Feet 150 300 600

N

1944 Certified Sanborn Map



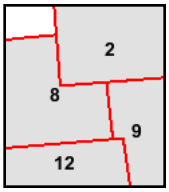
The certified Sanborn Library search results in this report can be authenticated by visiting www.ednet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 1D9F-45A1-9F60

Site Name:	Old Agway Store
Address:	61-2 GALWAY ST
City, ST, ZIP:	Ballston Spa NY 12020
Client:	URS Corporation
EDR Inquiry:	3580682.3
Order Date:	4/18/2013 4:49:00 PM
Certification #	1D9F-45A1-9F60
Copyright:	1944

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.



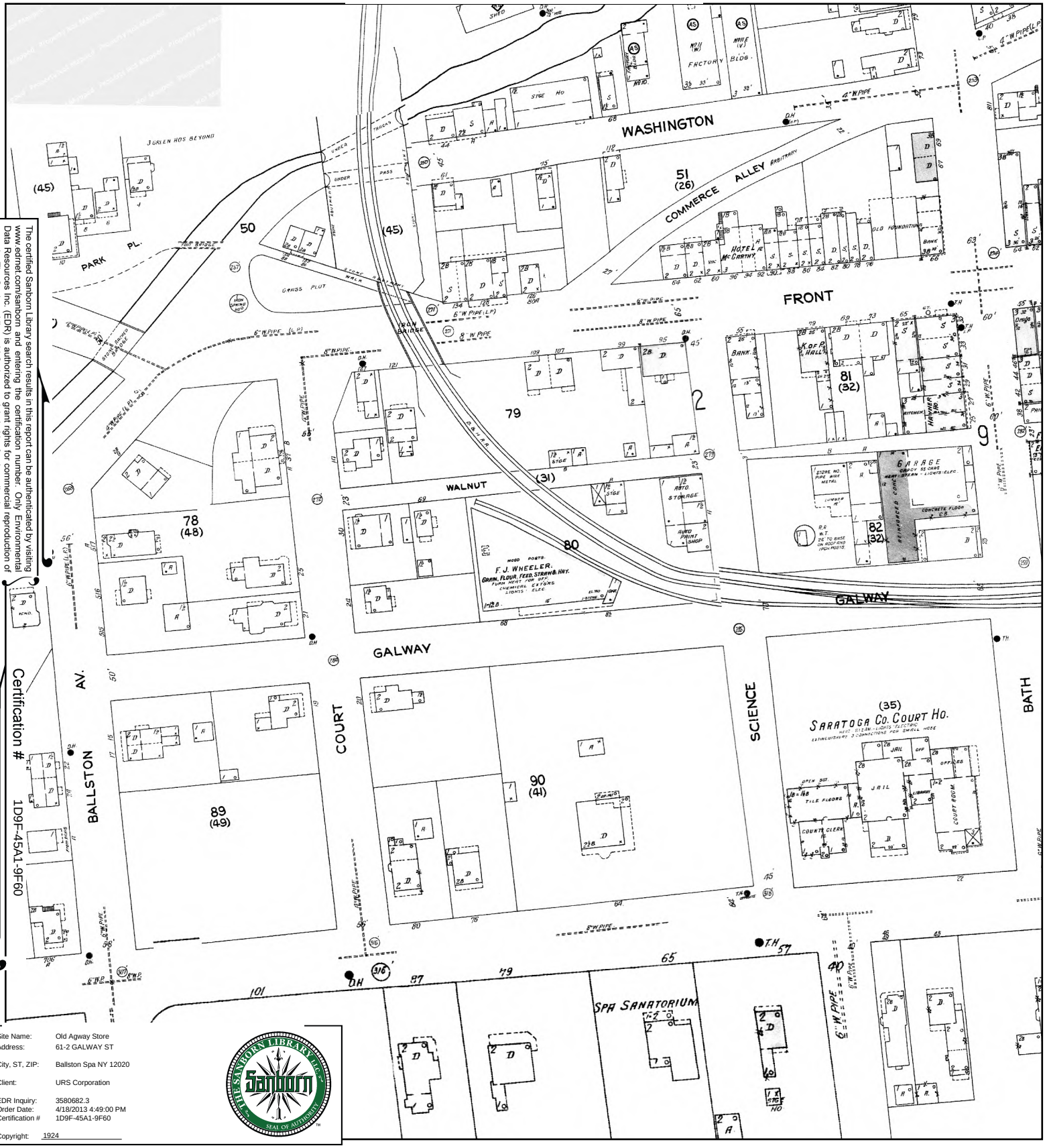


Volume 1, Sheet 2
Volume 1, Sheet 8
Volume 1, Sheet 9
Volume 1, Sheet 12

0 Feet 150 300 600

N

1924 Certified Sanborn Map



The certified Sanborn Library search results in this report can be authenticated by visiting www.ednet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

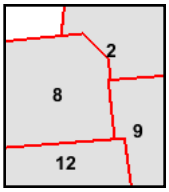
Certification # 1D9F-45A1-9F60

Site Name:	Old Agway Store
Address:	61-2 GALWAY ST
City, ST, ZIP:	Ballston Spa NY 12020
Client:	URS Corporation
EDR Inquiry:	3580682.3
Order Date:	4/18/2013 4:49:00 PM
Certification #	1D9F-45A1-9F60
Copyright:	1924

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600





Volume 1, Sheet 2
Volume 1, Sheet 8
Volume 1, Sheet 9
Volume 1, Sheet 12

N

1911 Certified Sanborn Map



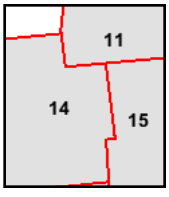
The certified Sanborn Library search results in this report can be authenticated by visiting www.ednet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 1D9F-45A1-9F60

Site Name:	Old Agway Store
Address:	61-2 GALWAY ST
City, ST, ZIP:	Ballston Spa NY 12020
Client:	URS Corporation
EDR Inquiry:	3580682.3
Order Date:	4/18/2013 4:49:00 PM
Certification #	1D9F-45A1-9F60
Copyright:	1911

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.



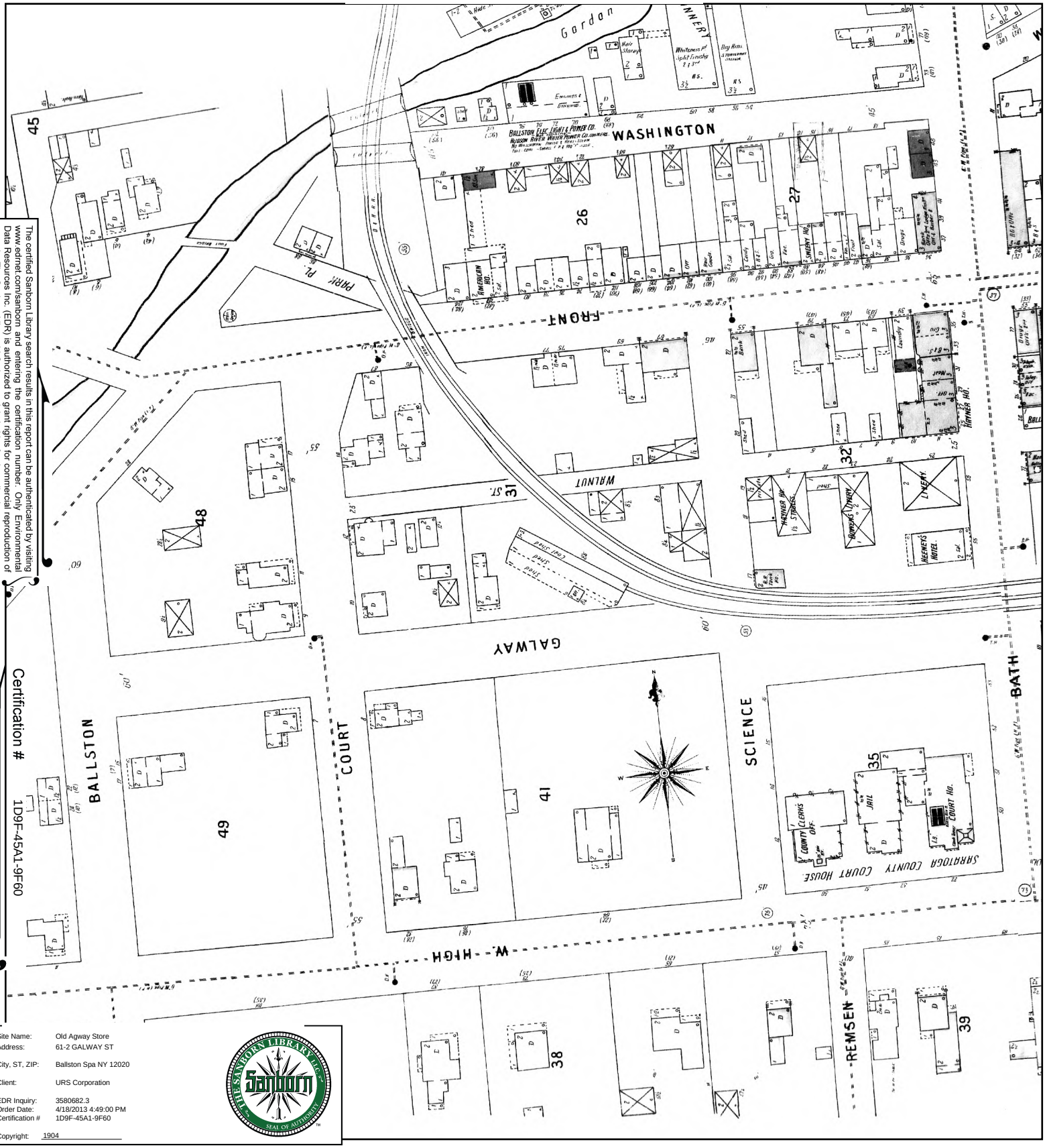


Volume 1, Sheet 11
Volume 1, Sheet 14
Volume 1, Sheet 15

0 Feet 150 300 600

N

1904 Certified Sanborn Map



The certified Sanborn Library search results in this report can be authenticated by visiting www.ednet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

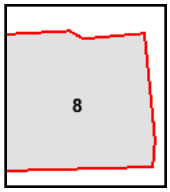
Certification # 1D9F-45A1-9F60

Site Name:	Old Agway Store
Address:	61-2 GALWAY ST
City, ST, ZIP:	Ballston Spa NY 12020
Client:	URS Corporation
EDR Inquiry:	3580682.3
Order Date:	4/18/2013 4:49:00 PM
Certification #	1D9F-45A1-9F60
Copyright:	1904

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600

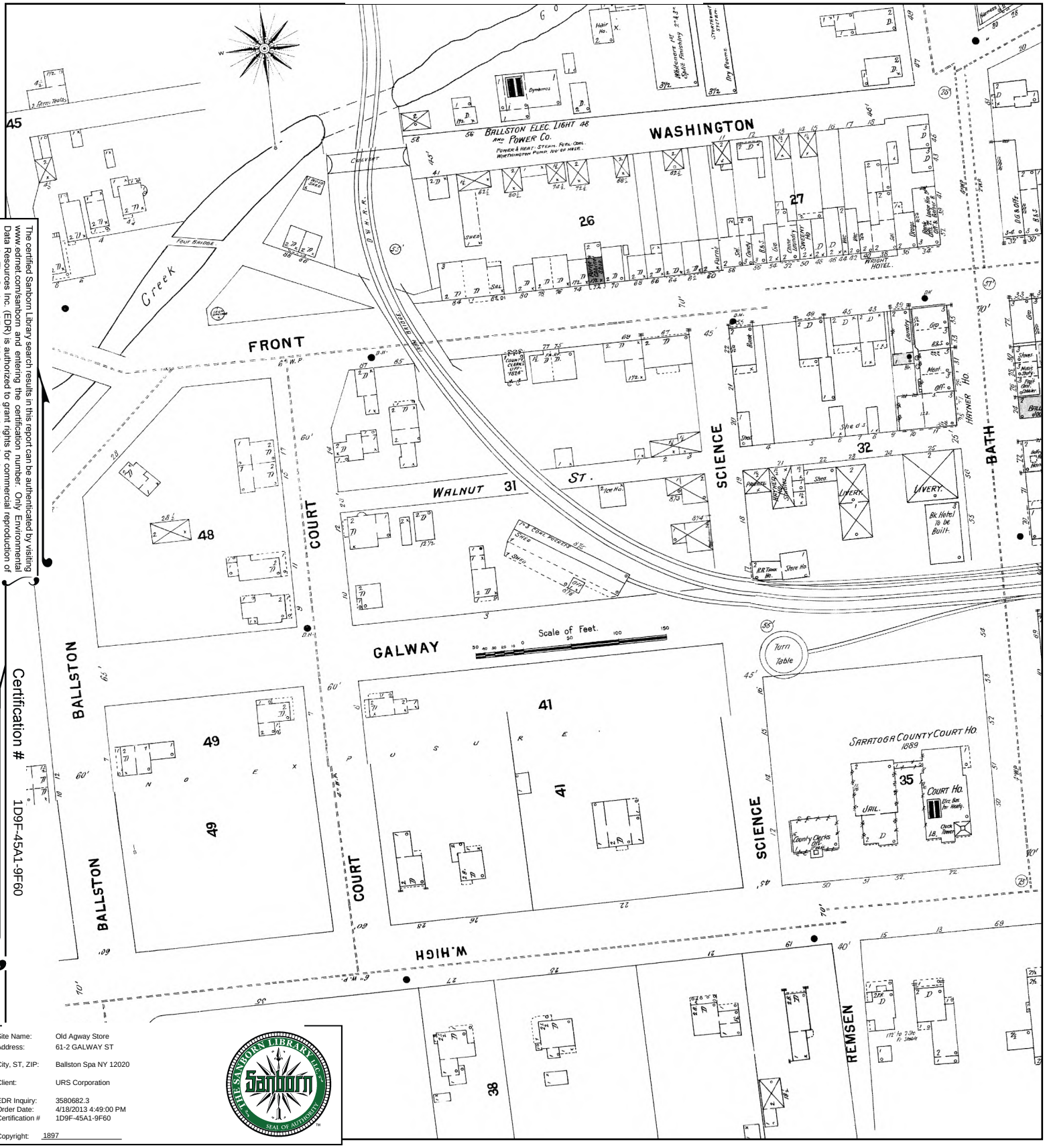




Volume 1, Sheet 8

N

1897 Certified Sanborn Map



The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

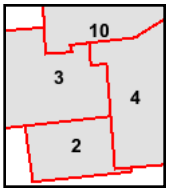
Certification # 1D9F-45A1-9F60

Site Name:	Old Agway Store
Address:	61-2 GALWAY ST
City, ST, ZIP:	Ballston Spa NY 12020
Client:	URS Corporation
EDR Inquiry:	3580682.3
Order Date:	4/18/2013 4:49:00 PM
Certification #	1D9F-45A1-9F60
Copyright:	1897

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600

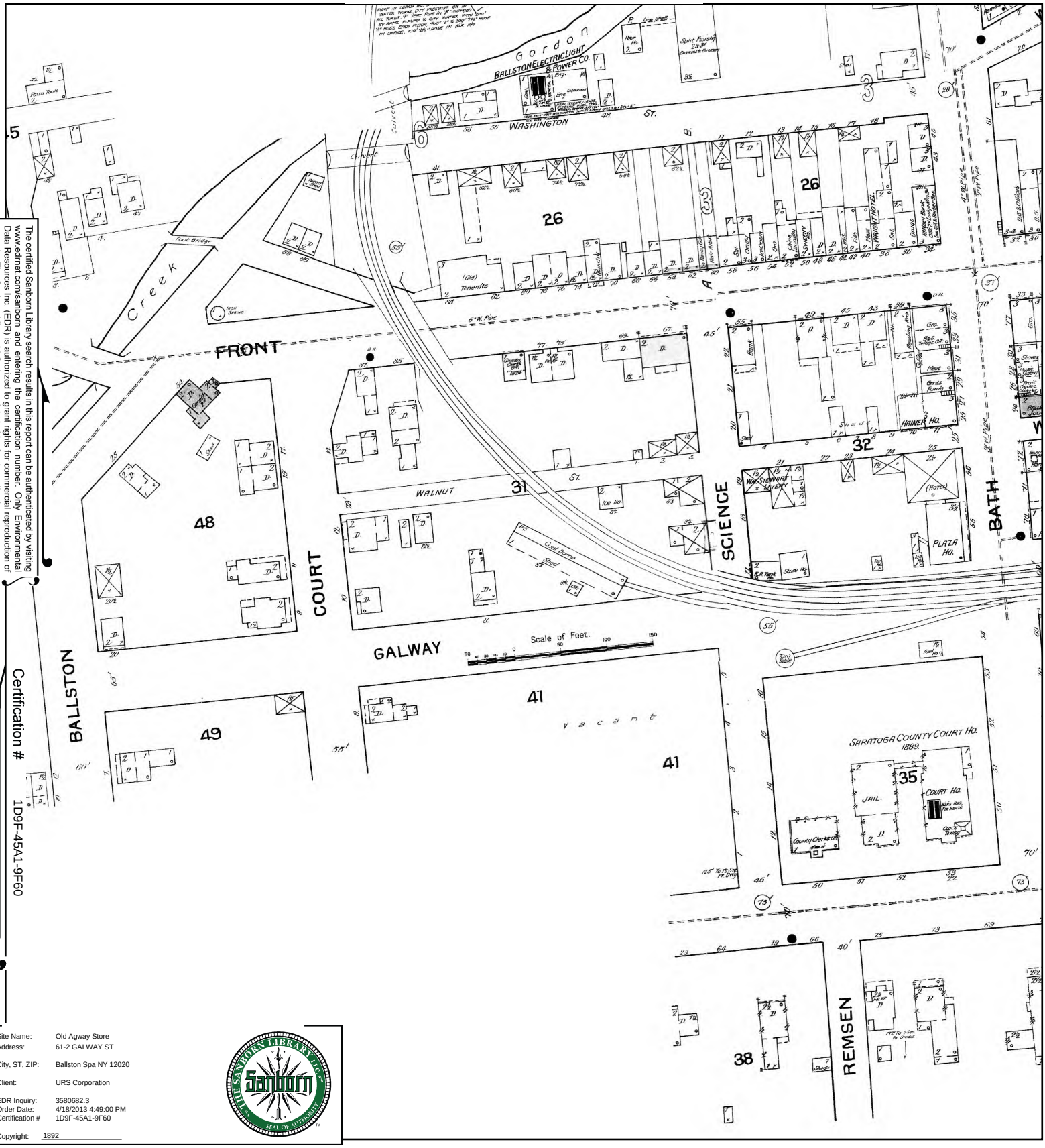




Volume 1, Sheet 2
Volume 1, Sheet 3
Volume 1, Sheet 4
Volume 1, Sheet 10

N

1892 Certified Sanborn Map



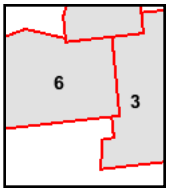
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 1D9F-45A1-9F60

Site Name:	Old Agway Store
Address:	61-2 GALWAY ST
City, ST, ZIP:	Ballston Spa NY 12020
Client:	URS Corporation
EDR Inquiry:	3580682.3
Order Date:	4/18/2013 4:49:00 PM
Certification #	1D9F-45A1-9F60
Copyright:	1892

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.



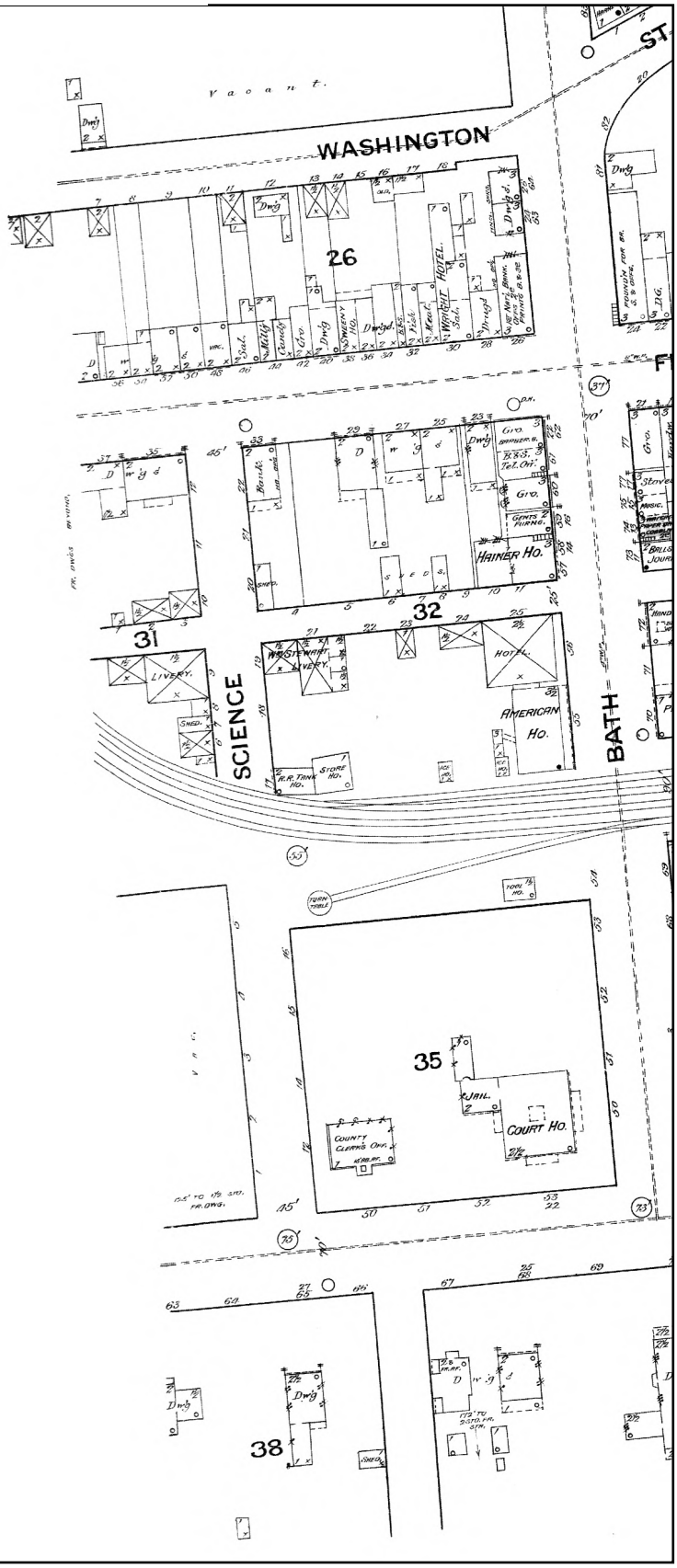


Volume 1, Sheet 3
Volume 1, Sheet 6

0 Feet 150 300 600

N

1887 Certified Sanborn Map



The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

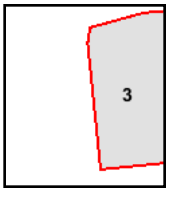
Certification # 1D9F-45A1-9F60

Site Name: Old Agway Store
Address: 61-2 GALWAY ST
City, ST, ZIP: Ballston Spa NY 12020
Client: URS Corporation
EDR Inquiry: 3580682.3
Order Date: 4/18/2013 4:49:00 PM
Certification # 1D9F-45A1-9F60
Copyright: 1887

This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600





Volume 1, Sheet 3

N

Old Agway Store
61-2 GALWAY ST
Ballston Spa, NY 12020

Inquiry Number: 3580682.5
April 19, 2013

The EDR Aerial Photo Decade Package

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report AS IS. Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2013 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

Date EDR Searched Historical Sources:

Aerial Photography April 19, 2013

Target Property:

61-2 GALWAY ST

Ballston Spa, NY 12020

Year	***Scale***	***Details***	***Source***
1952	Aerial Photograph. Scale: 1"=500'	Panel #: 43073-A7, Saratoga Springs, NY;/Flight Date: April 16, 1952	EDR
1964	Aerial Photograph. Scale: 1"=500'	Panel #: 43073-A7, Saratoga Springs, NY;/Flight Date: April 05, 1964	EDR
1978	Aerial Photograph. Scale: 1"=1000'	Panel #: 43073-A7, Saratoga Springs, NY;/Flight Date: April 23, 1978	EDR
1986	Aerial Photograph. Scale: 1"=1000'	Panel #: 43073-A7, Saratoga Springs, NY;/Flight Date: May 12, 1986	EDR
1995	Aerial Photograph. Scale: 1"=500'	Panel #: 43073-A7, Saratoga Springs, NY;/DOQQ - acquisition dates: April 17, 1995	EDR
2006	Aerial Photograph. Scale: 1"=500'	Panel #: 43073-A7, Saratoga Springs, NY;/Flight Year: 2006	EDR
2009	Aerial Photograph. Scale: 1"=500'	Panel #: 43073-A7, Saratoga Springs, NY;/Flight Year: 2009	EDR
2011	Aerial Photograph. Scale: 1"=500'	Panel #: 43073-A7, Saratoga Springs, NY;/Flight Year: 2011	EDR


INQUIRY #: 3580682.5
YEAR: 1952
= 500'
N


INQUIRY #: 3580682.5
YEAR: 1964
= 500'
N
EDR Environmental Data Resources Inc


INQUIRY #: 3580682.5
YEAR: 1978
= 1000'
N


INQUIRY #: 3580682.5
YEAR: 1986
= 1000'
N


INQUIRY #: 3580682.5
YEAR: 1995
= 500'
N
EDR Environmental Data Resources Inc


INQUIRY #: 3580682.5
YEAR: 2006
= 500'
N


INQUIRY #: 3580682.5
YEAR: 2009
= 500'
N
EDR Environmental Data Resources Inc


INQUIRY #: 3580682.5
YEAR: 2011
= 500'
N

Old Agway Store
61-2 GALWAY ST
Ballston Spa, NY 12020

Inquiry Number: 3580682.4
April 19, 2013

EDR Historical Topographic Map Report

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

EDR Historical Topographic Map Report

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report AS IS. Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2013 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

Historical Topographic Map



N	TARGET QUAD NAME: SARATOGA MAP YEAR: 1902 SERIES: 15 SCALE: 1:62500	SITE NAME: Old Agway Store ADDRESS: 61-2 GALWAY ST Ballston Spa, NY 12020 LAT/LONG: 43.0016 / -73.8528	CLIENT: URS Corporation CONTACT: George Kisluk INQUIRY#: 3580682.4 RESEARCH DATE: 04/19/2013

Historical Topographic Map



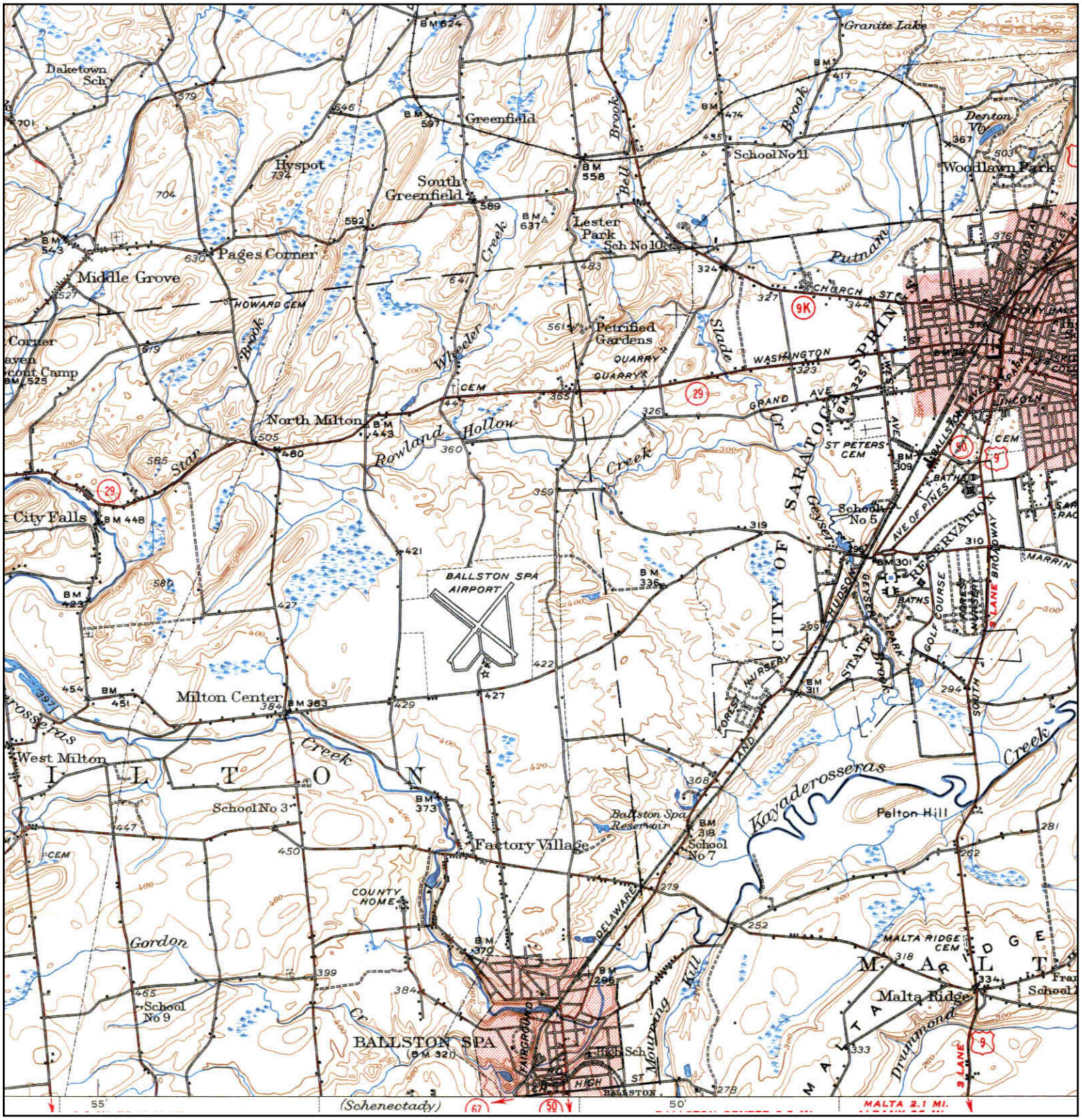
N	TARGET QUAD NAME: SARATOGA SPRINGS MAP YEAR: 1934 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Old Agway Store ADDRESS: 61-2 GALWAY ST Ballston Spa, NY 12020 LAT/LONG: 43.0016 / -73.8528	CLIENT: URS Corporation CONTACT: George Kisluk INQUIRY#: 3580682.4 RESEARCH DATE: 04/19/2013

Historical Topographic Map



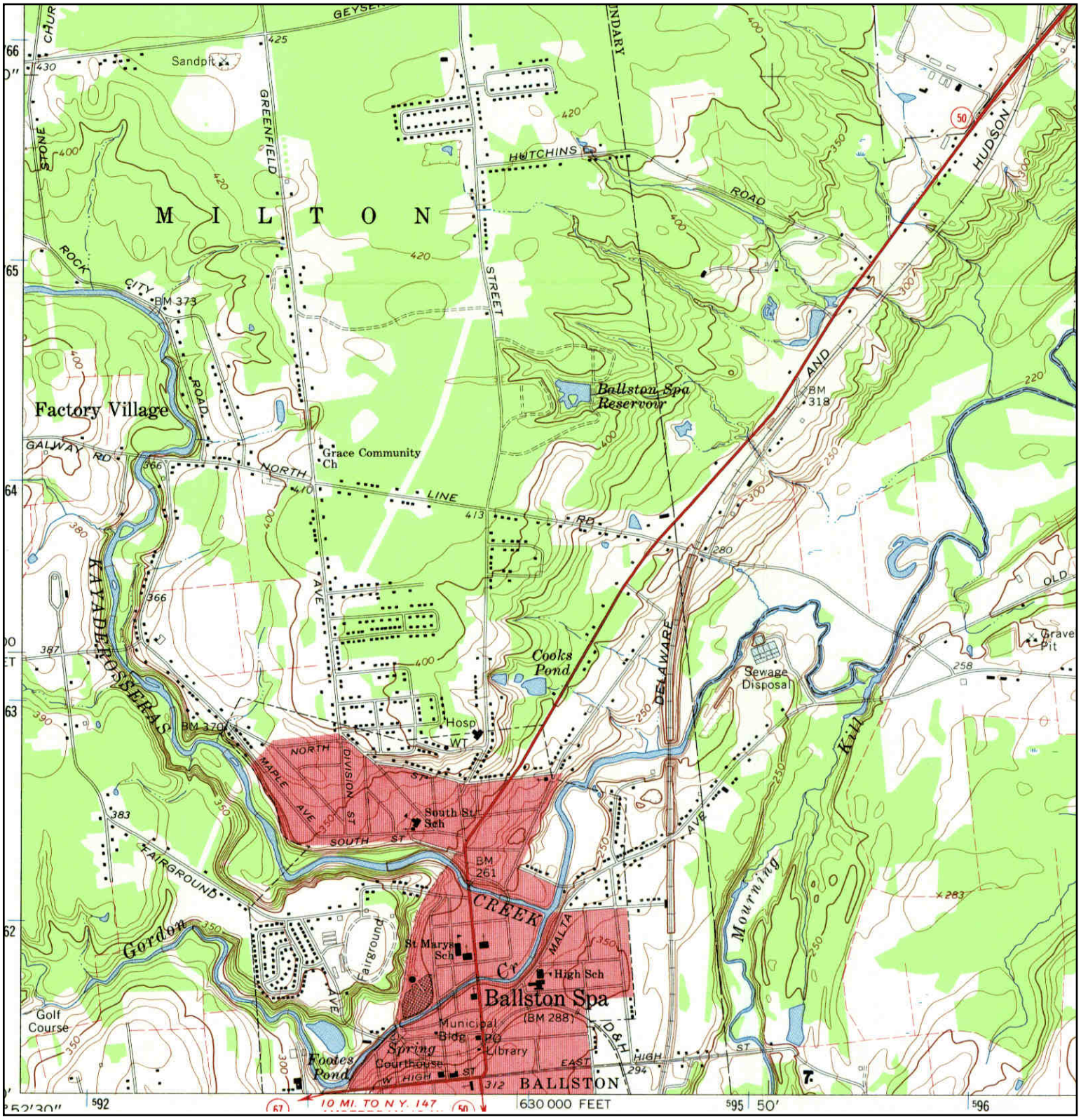
N	TARGET QUAD NAME: SARATOGA MAP YEAR: 1942 SERIES: 15 SCALE: 1:50000	SITE NAME: Old Agway Store ADDRESS: 61-2 GALWAY ST Ballston Spa, NY 12020 LAT/LONG: 43.0016 / -73.8528	CLIENT: URS Corporation CONTACT: George Kisluk INQUIRY#: 3580682.4 RESEARCH DATE: 04/19/2013

Historical Topographic Map



N	TARGET QUAD		SITE NAME:	Old Agway Store	CLIENT:	URS Corporation
	NAME:	SARATOGA	ADDRESS:	61-2 GALWAY ST	CONTACT:	George Kisluk
	MAP YEAR:	1949		Ballston Spa, NY 12020	INQUIRY#:	3580682.4
			LAT/LONG:	43.0016 / -73.8528	RESEARCH DATE:	04/19/2013
	SERIES:	15				
	SCALE:	1:62500				

Historical Topographic Map



N	TARGET QUAD NAME: SARATOGA SPRINGS MAP YEAR: 1967 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Old Agway Store ADDRESS: 61-2 GALWAY ST Ballston Spa, NY 12020 LAT/LONG: 43.0016 / -73.8528	CLIENT: URS Corporation CONTACT: George Kisluk INQUIRY#: 3580682.4 RESEARCH DATE: 04/19/2013

Historical Topographic Map



N	ADJOINING QUAD NAME: SCHENECTADY MAP YEAR: 1898 SERIES: 15 SCALE: 1:62500	SITE NAME: Old Agway Store ADDRESS: 61-2 GALWAY ST Ballston Spa, NY 12020 LAT/LONG: 43.0016 / -73.8528	CLIENT: URS Corporation CONTACT: George Kisluk INQUIRY#: 3580682.4 RESEARCH DATE: 04/19/2013

Historical Topographic Map



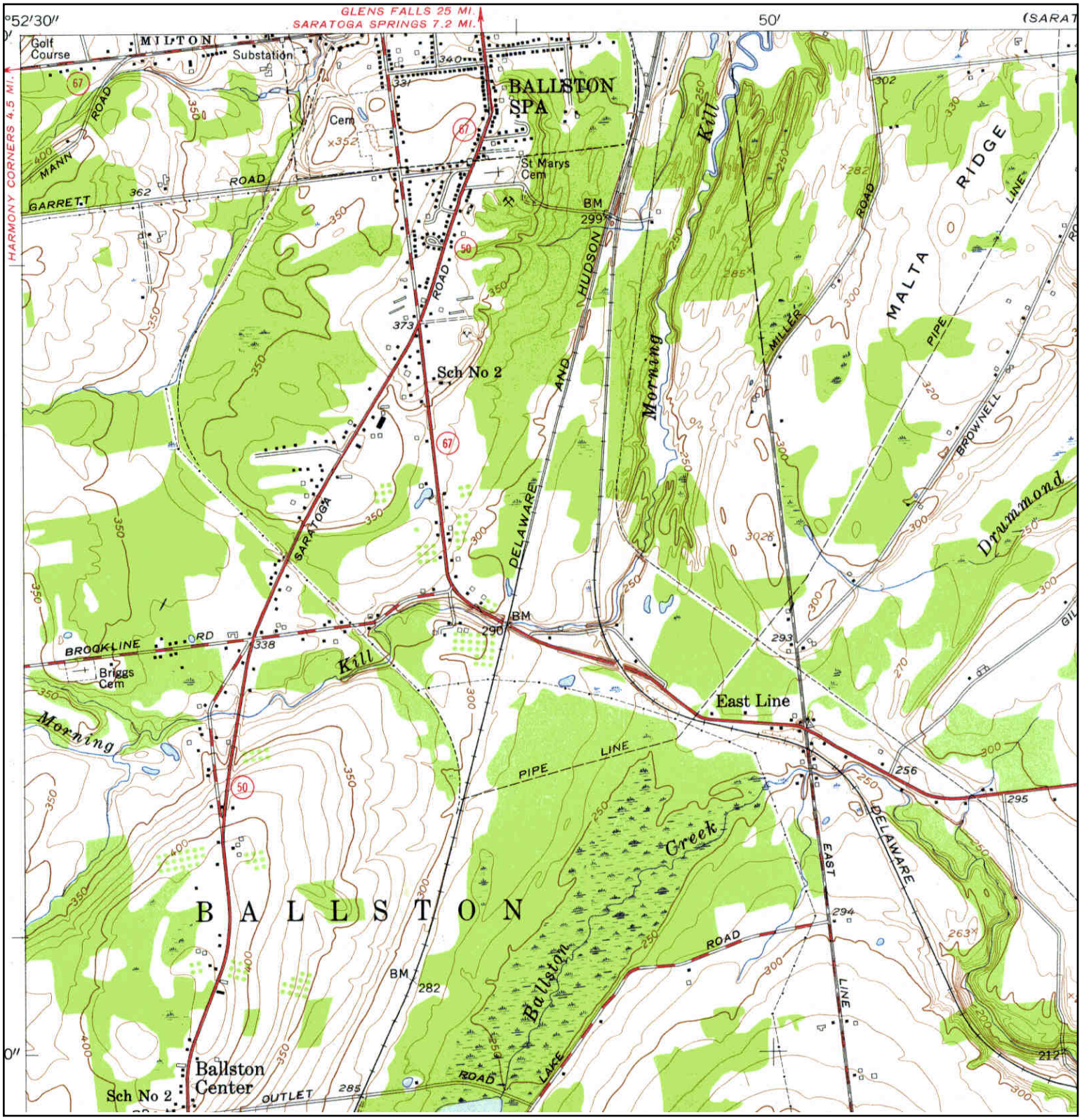
N	ADJOINING QUAD NAME: SCHENECTADY MAP YEAR: 1930 SERIES: 15 SCALE: 1:62500	SITE NAME: Old Agway Store ADDRESS: 61-2 GALWAY ST Ballston Spa, NY 12020 LAT/LONG: 43.0016 / -73.8528	CLIENT: URS Corporation CONTACT: George Kisluk INQUIRY#: 3580682.4 RESEARCH DATE: 04/19/2013

Historical Topographic Map



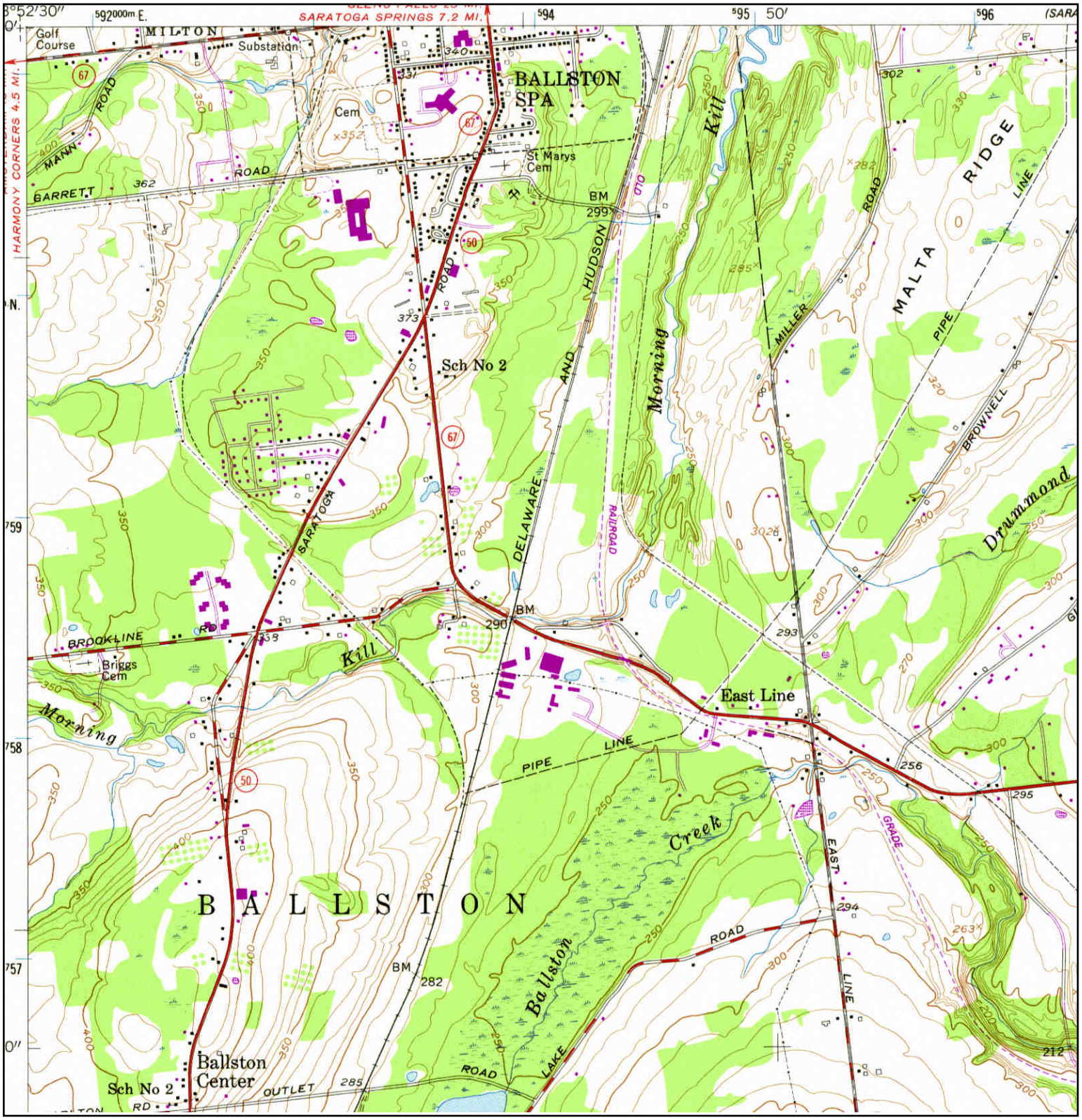
N	ADJOINING QUAD NAME: SCHENECTADY MAP YEAR: 1947 SERIES: 15 SCALE: 1:62500	SITE NAME: Old Agway Store ADDRESS: 61-2 GALWAY ST Ballston Spa, NY 12020 LAT/LONG: 43.0016 / -73.8528	CLIENT: URS Corporation CONTACT: George Kisluk INQUIRY#: 3580682.4 RESEARCH DATE: 04/19/2013

Historical Topographic Map



N	ADJOINING QUAD NAME: ROUND LAKE MAP YEAR: 1954 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Old Agway Store ADDRESS: 61-2 GALWAY ST Ballston Spa, NY 12020 LAT/LONG: 43.0016 / -73.8528	CLIENT: URS Corporation CONTACT: George Kisluk INQUIRY#: 3580682.4 RESEARCH DATE: 04/19/2013

Historical Topographic Map



N	ADJOINING QUAD NAME: ROUND LAKE MAP YEAR: 1980 PHOTOREVISED FROM :1954 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Old Agway Store ADDRESS: 61-2 GALWAY ST Ballston Spa, NY 12020 LAT/LONG: 43.0016 / -73.8528	CLIENT: URS Corporation CONTACT: George Kisluk INQUIRY#: 3580682.4 RESEARCH DATE: 04/19/2013

Old Agway Store
61-2 GALWAY ST
Ballston Spa, NY 12020

Inquiry Number: 3580682.6
April 30, 2013

The EDR-City Directory Image Report

Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction orforecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2013 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc. or its affiliates is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

Year	Target Street	Cross Street	Source
2013	☐	☑	Polk's City Directory
2009	☑	☑	Polk's City Directory
2003	☑	☑	Polk's City Directory
2002	☐	☑	City's City Directory
1998	☑	☑	Polk's City Directory
1995	☐	☑	City's City Directory
1990	☐	☑	City's City Directory
1973	☐	☐	City's City Directory
1968	☑	☑	Manning's City Directory
1964	☑	☑	Manning's City Directory

RECORD SOURCES

EDR is licensed to reproduce certain City Directory works by the copyright holders of those works. The purchaser of this EDR City Directory Report may include it in report(s) delivered to a customer. Reproduction of City Directories without permission of the publisher or licensed vendor may be a violation of copyright.

FINDINGS

TARGET PROPERTY STREET

61-2 GALWAY ST
Ballston Spa, NY 12020

Year	*CD Image*	*Source*	
61-2 GALWAY ST			
2013	-	Polk's City Directory	Street not listed in Source
2009	pg A1	Polk's City Directory	
2003	pg A2	Polk's City Directory	
2002	-	City's City Directory	Street not listed in Source
1998	pg A3	Polk's City Directory	
1995	-	City's City Directory	Street not listed in Source
1990	-	City's City Directory	Street not listed in Source
1973	-	City's City Directory	Street not listed in Source
1968	pg A4	Manning's City Directory	
1964	pg A5	Manning's City Directory	

FINDINGS

CROSS STREETS

Year	*CD Image*	*Source*	
3 Science Street			
2002	pg. A6	City's City Directory	
1995	pg. A7	City's City Directory	
1990	pg. A8	City's City Directory	
1973	-	City's City Directory	Street not listed in Source
30 Court Street			
2002	pg. A9	City's City Directory	
1995	pg. A10	City's City Directory	
1990	pg. A11	City's City Directory	
1973	-	City's City Directory	Street not listed in Source
Court Street			
2013	pg. A12	Polk's City Directory	
2013	pg. A13	Polk's City Directory	
2009	pg. A14	Polk's City Directory	
2003	pg. A15	Polk's City Directory	
1998	pg. A16	Polk's City Directory	
1968	pg. A17	Manning's City Directory	
1964	pg. A18	Manning's City Directory	
1964	pg. A19	Manning's City Directory	
Science Street			
2013	pg. A20	Polk's City Directory	
2009	pg. A21	Polk's City Directory	
2009	pg. A22	Polk's City Directory	
2003	pg. A23	Polk's City Directory	
1998	pg. A24	Polk's City Directory	
1968	pg. A25	Manning's City Directory	
1964	pg. A26	Manning's City Directory	

City Directory Images

Target Street	Cross Street	Source
✓	-	Polk's City Directory

61-2 GALWAY ST 2009



Target Street	Cross Street	Source
✓	-	Polk's City Directory

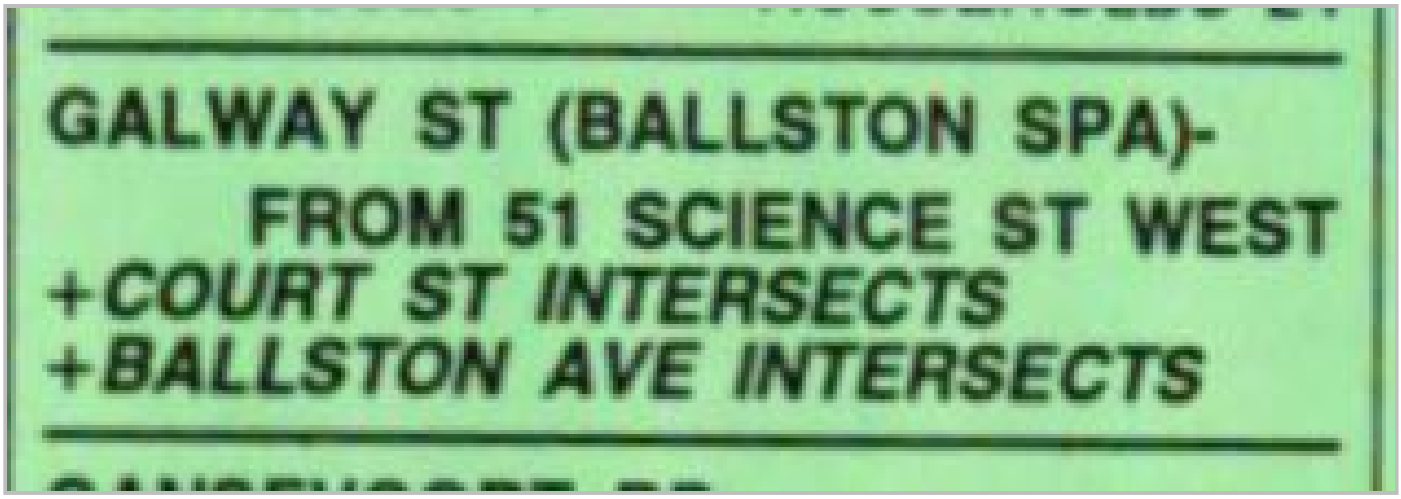
61-2 GALWAY ST 2003



GALWAY ST (BALLSTON SPA)-FROM 32
COURT ST WEST
+ SCIENCE ST CONTINUES
+ COURT ST BEGINS
• ZIP CODE 12020 CAR-RT C001
78 Corlew Brian [S] 518-882-6897
+ BALLSTON AVE INTERSECTS
HOUSEHOLDS 1

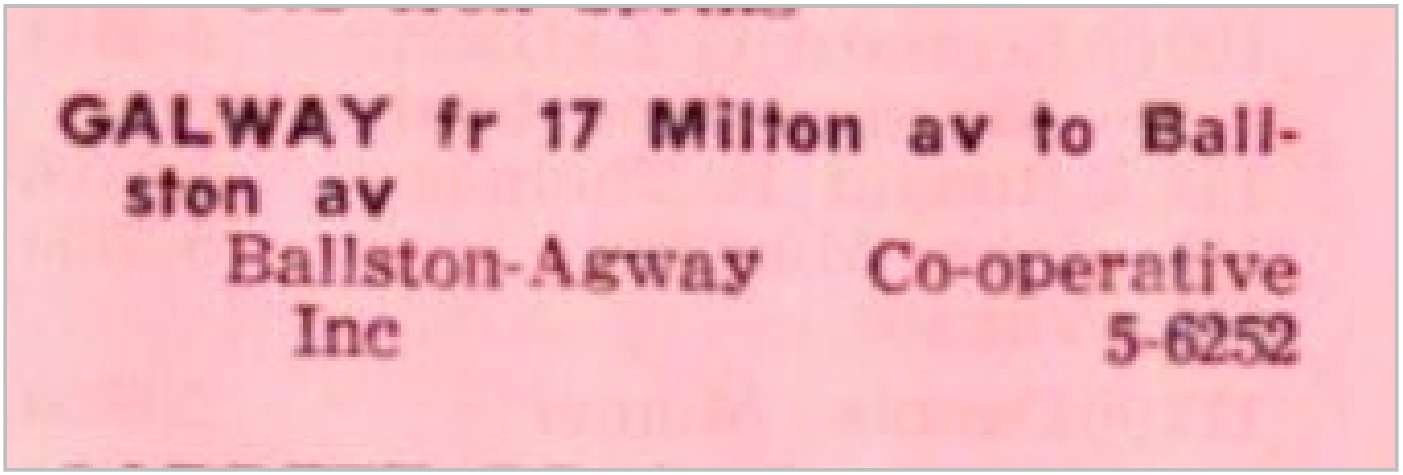
Target Street	Cross Street	Source
✓	-	Polk's City Directory

61-2 GALWAY ST 1998



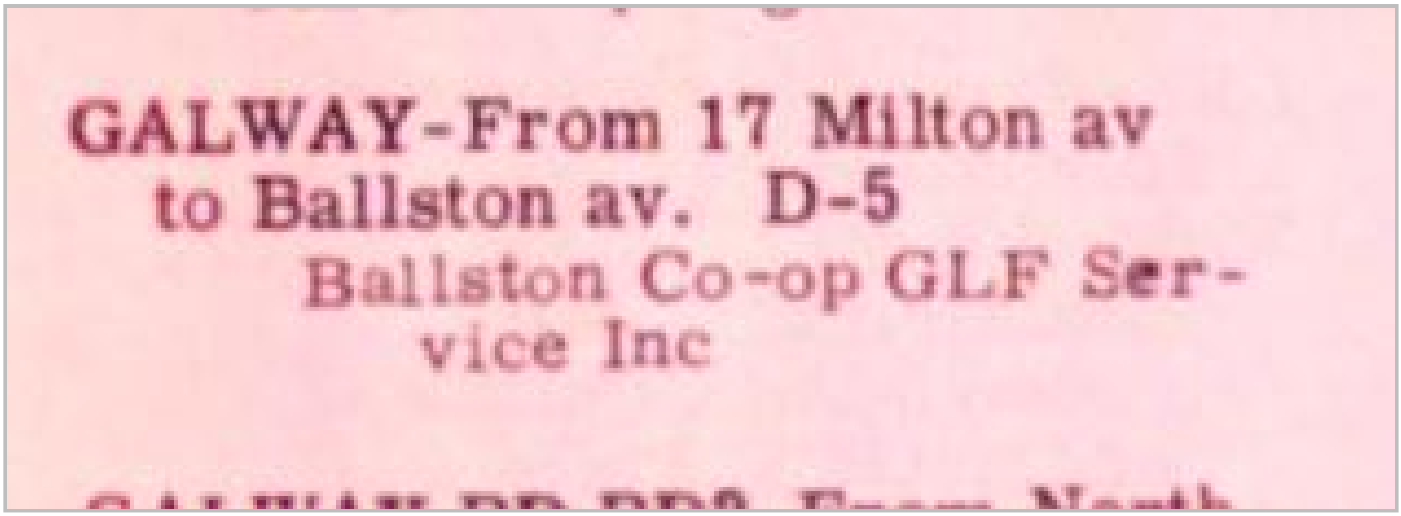
Target Street	Cross Street	Source
✓	-	Manning's City Directory

61-2 GALWAY ST 1968



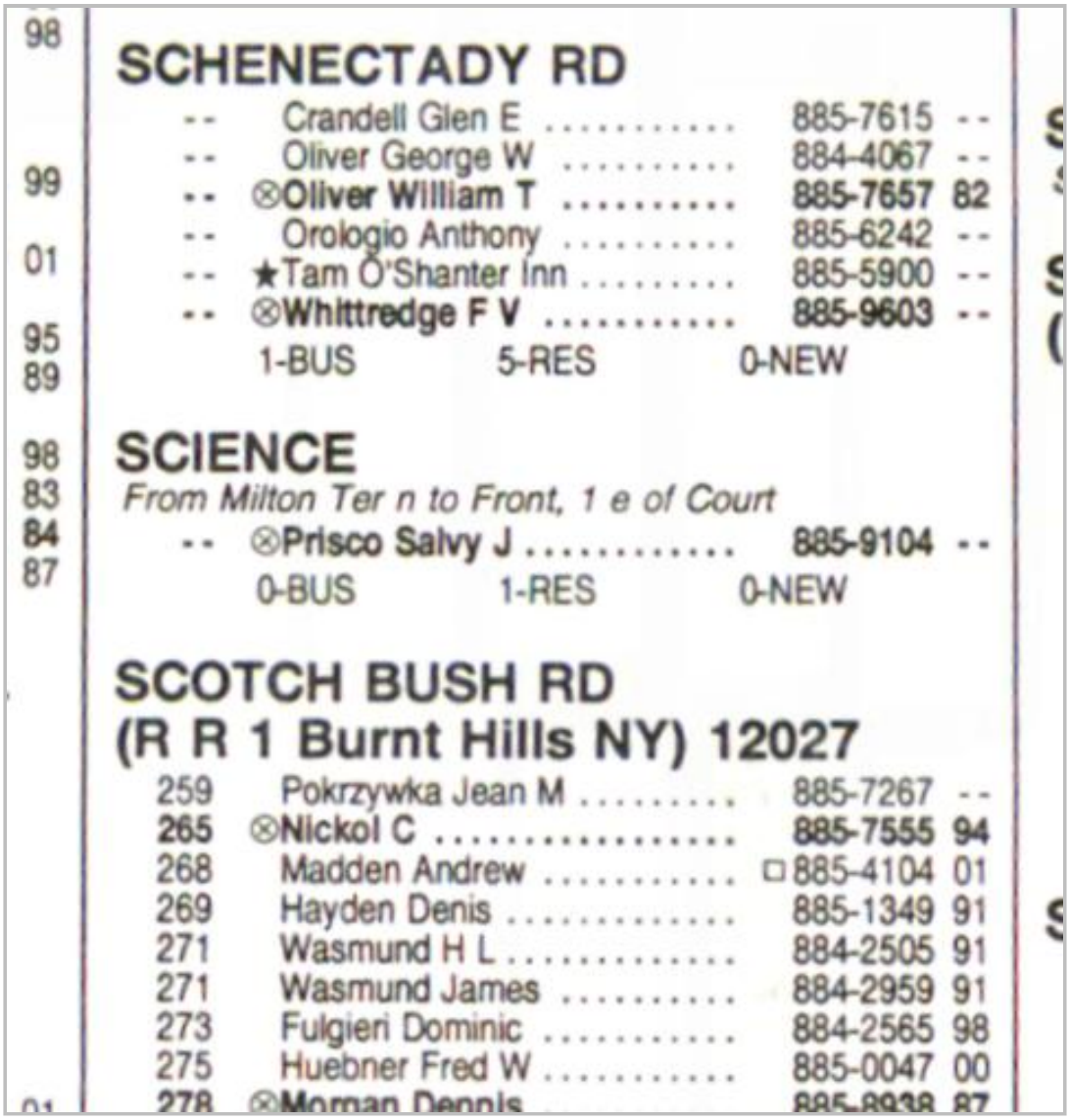
Target Street	Cross Street	Source
✓	-	Manning's City Directory

61-2 GALWAY ST 1964



Target Street	Cross Street	Source
-	✓	City's City Directory

3 Science Street 2002



98

SCHENECTADY RD

-- Crandell Glen E ..... 885-7615 --
-- Oliver George W ..... 884-4067 --
99 -- ⊗**Oliver William T** **885-7657 82**
-- Orologio Anthony ..... 885-6242 --
01 -- ★Tam O'Shanter Inn ..... 885-5900 --
-- ⊗**Whittredge F V** ..... **885-9603 --**
95
89 1-BUS 5-RES 0-NEW

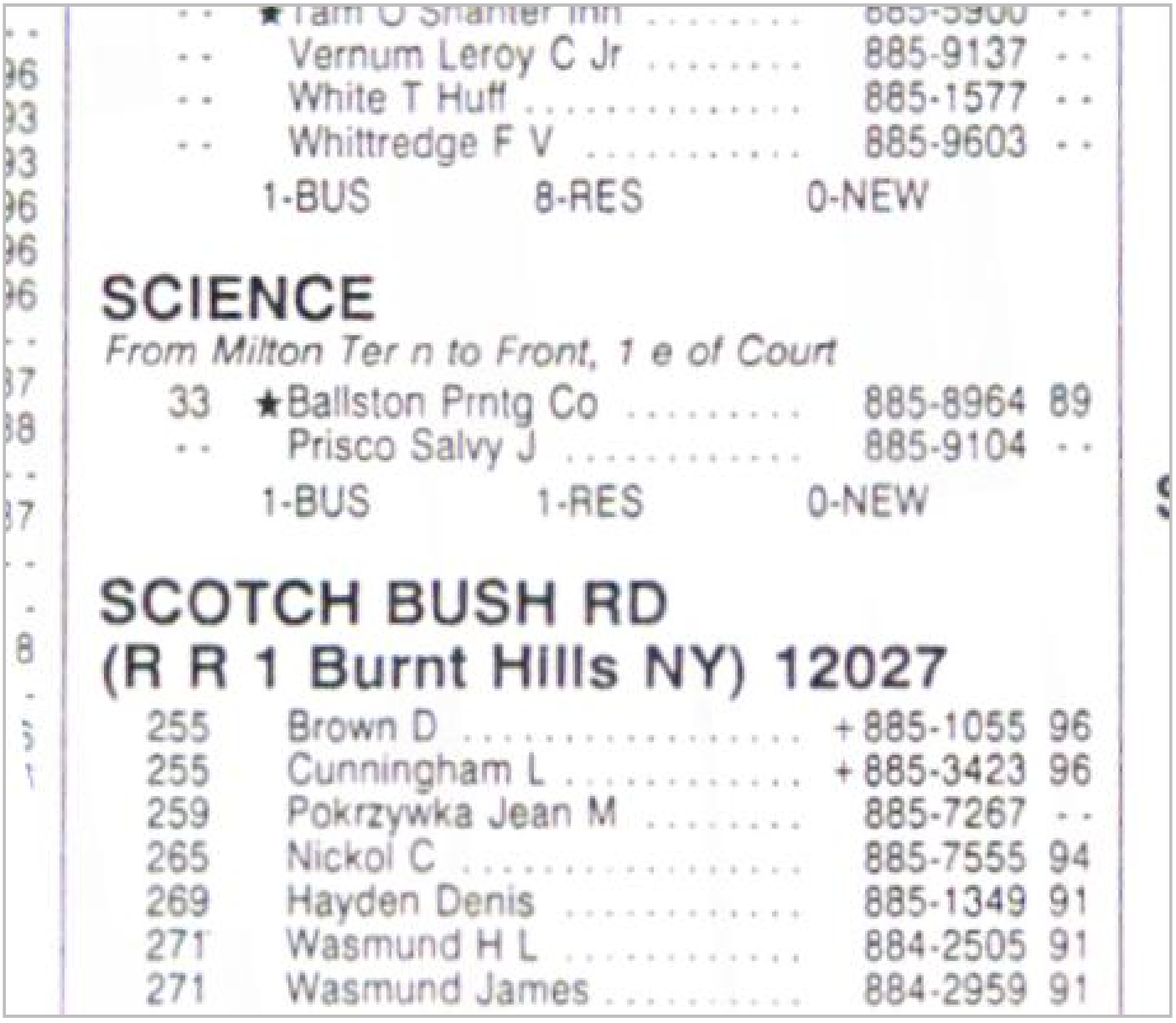
98 **SCIENCE**
83 *From Milton Ter n to Front, 1 e of Court*
84 -- ⊗**Prisco Salvy J** ..... **885-9104 --**
87 0-BUS 1-RES 0-NEW

SCOTCH BUSH RD
(R R 1 Burnt Hills NY) 12027

259 Pokrzywka Jean M ..... 885-7267 --
265 ⊗**Nickol C** **885-7555 94**
268 Madden Andrew ..... □885-4104 01
269 Hayden Denis 885-1349 91
271 Wasmund H L 884-2505 91
271 Wasmund James 884-2959 91
273 Fulgieri Dominic 884-2565 98
275 Huebner Fred W 885-0047 00
01 278 ⊗Morgan Dennis 885-8938 87

Target Street	Cross Street	Source
-	✓	City's City Directory

3 Science Street 1995



Vernum Leroy C Jr ..... 885-9137 ..
White T Huff ..... 885-1577 ..
Whittredge F V ..... 885-9603 ..
1-BUS 8-RES 0-NEW

SCIENCE

From Milton Ter n to Front, 1 e of Court

33 ★Ballston Prntg Co 885-8964 89
.. Prisco Salvy J ..... 885-9104 ..
1-BUS 1-RES 0-NEW

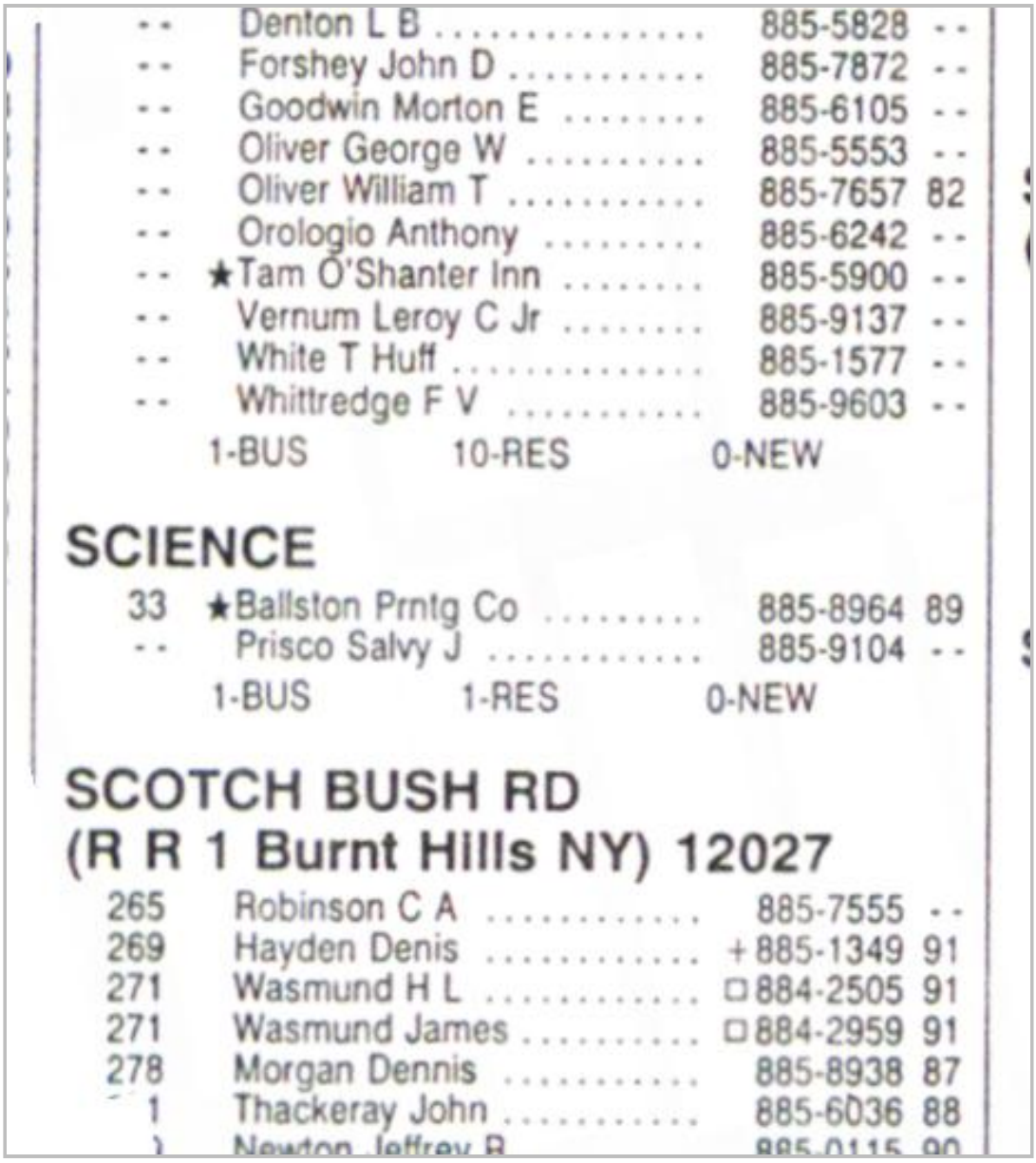
SCOTCH BUSH RD

(R R 1 Burnt Hills NY) 12027

255 Brown D ..... +885-1055 96
255 Cunningham L ..... +885-3423 96
259 Pokrzywka Jean M ..... 885-7267 ..
265 Nickol C 885-7555 94
269 Hayden Denis 885-1349 91
271 Wasmund H L 884-2505 91
271 Wasmund James 884-2959 91

Target Street	Cross Street	Source
-	✓	City's City Directory

3 Science Street 1990



--	Denton L B	885-5828	--
--	Forshey John D	885-7872	--
--	Goodwin Morton E	885-6105	--
--	Oliver George W	885-5553	--
--	Oliver William T	885-7657	82
--	Orologio Anthony	885-6242	--
--	★Tam O'Shanter Inn	885-5900	--
--	Vernum Leroy C Jr	885-9137	--
--	White T Huff	885-1577	--
--	Whittredge F V	885-9603	--

1-BUS 10-RES 0-NEW

SCIENCE

33	★Ballston Prntg Co	885-8964	89
--	Prisco Salvy J	885-9104	--

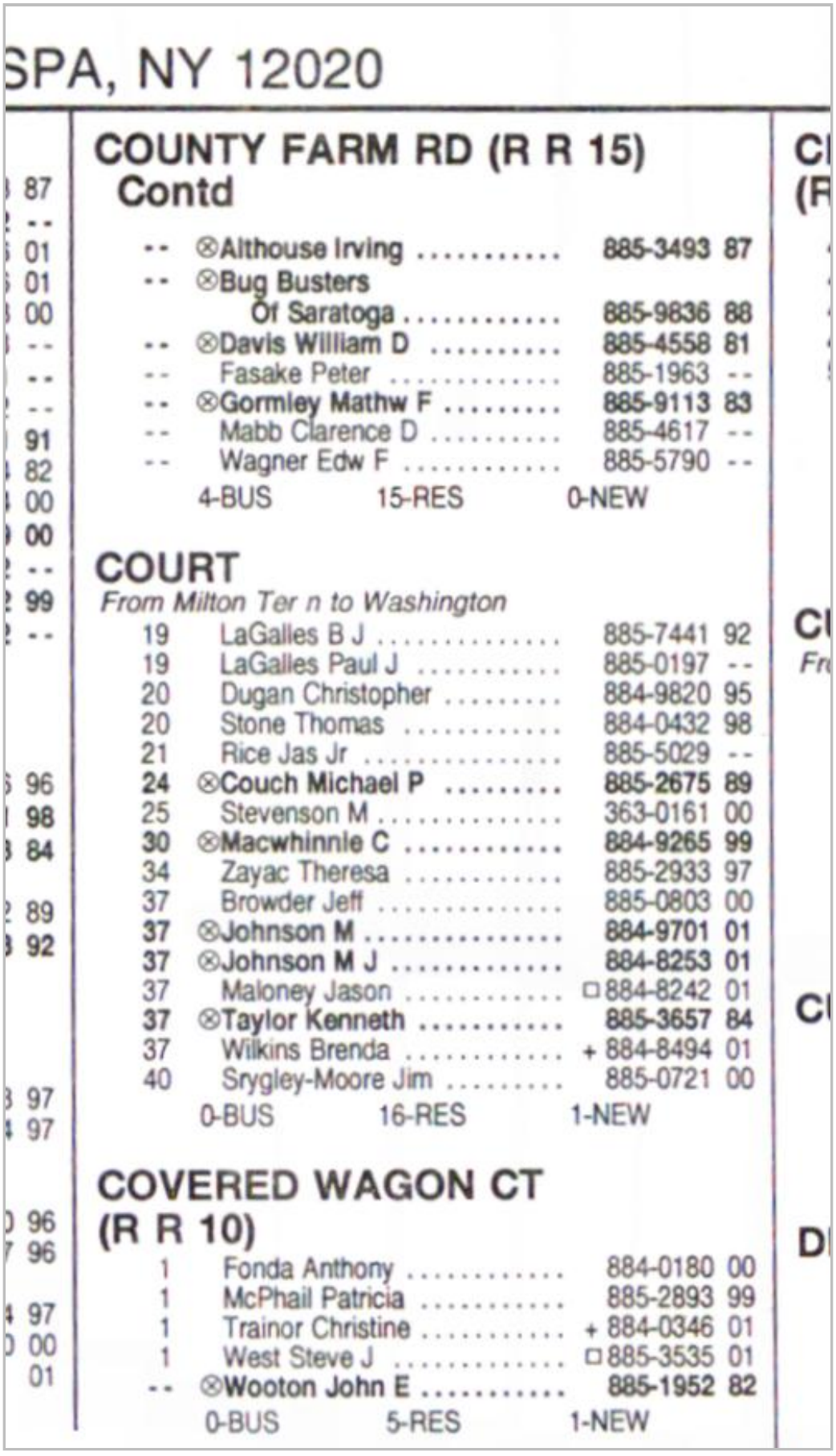
1-BUS 1-RES 0-NEW

SCOTCH BUSH RD
(R R 1 Burnt Hills NY) 12027

265	Robinson C A	885-7555	--
269	Hayden Denis	+885-1349	91
271	Wasmund H L	□884-2505	91
271	Wasmund James	□884-2959	91
278	Morgan Dennis	885-8938	87
1	Thackeray John	885-6036	88
)	Newton Jeffrey R	885-0115	90

Target Street	Cross Street	Source
-	✓	City's City Directory

30 Court Street 2002



SPA, NY 12020

COUNTY FARM RD (R R 15) Contd

--	⊗Althouse Irving	885-3493	87
--	⊗Bug Busters Of Saratoga	885-9836	88
--	⊗Davis William D	885-4558	81
--	Fasake Peter	885-1963	--
--	⊗Gormley Mathw F	885-9113	83
--	Mabb Clarence D	885-4617	--
--	Wagner Edw F	885-5790	--

4-BUS 15-RES 0-NEW

COURT

From Milton Ter n to Washington

19	LaGalles B J	885-7441	92
19	LaGalles Paul J	885-0197	--
20	Dugan Christopher	884-9820	95
20	Stone Thomas	884-0432	98
21	Rice Jas Jr	885-5029	--
24	⊗Couch Michael P	885-2675	89
25	Stevenson M	363-0161	00
30	⊗Macwhinnie C	884-9265	99
34	Zayac Theresa	885-2933	97
37	Browder Jeff	885-0803	00
37	⊗Johnson M	884-9701	01
37	⊗Johnson M J	884-8253	01
37	Maloney Jason	□884-8242	01
37	⊗Taylor Kenneth	885-3657	84
37	Wilkins Brenda	+ 884-8494	01
40	Srygley-Moore Jim	885-0721	00

0-BUS 16-RES 1-NEW

COVERED WAGON CT (R R 10)

1	Fonda Anthony	884-0180	00
1	McPhail Patricia	885-2893	99
1	Trainor Christine	+ 884-0346	01
1	West Steve J	□885-3535	01
--	⊗Wooton John E	885-1952	82

0-BUS 5-RES 1-NEW

Target Street	Cross Street	Source
-	✓	City's City Directory

30 Court Street 1995

13-BUS 16-RES 3-NEW

COURT

From Milton Ter n to Washington

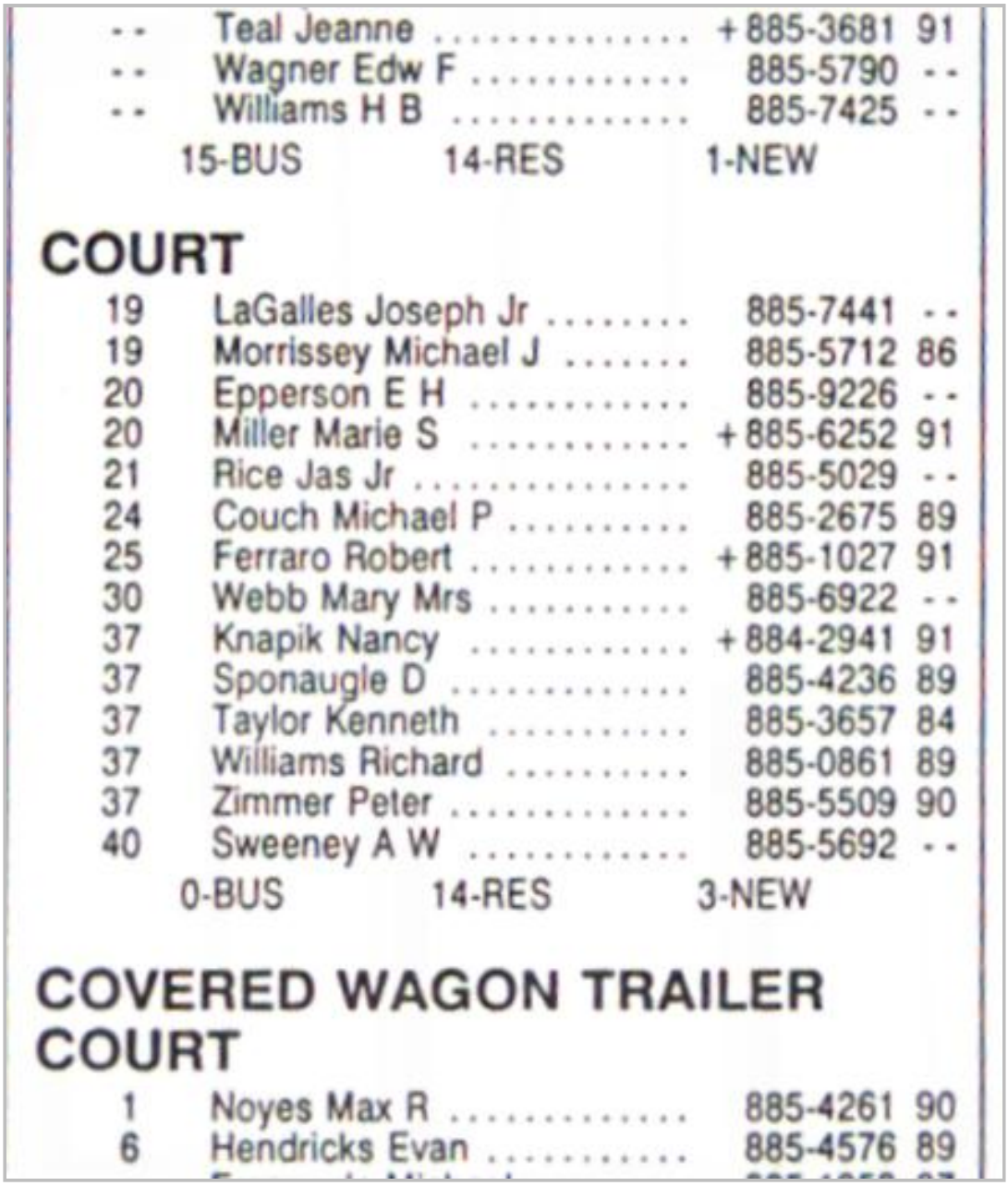
19	LaGalles B J	885-7441 92
19	LaGalles Paul J	885-0197 --
20	Dugan Christopher	884-9820 95
20	Kaelin John	+884-0165 96
21	Rice Jas Jr	885-5029 --
24	Couch Michael P	885-2675 89
25	Casadonte K	□885-0693 96
30	Webb Mary Mrs	885-6922 --
37	Etherdge John	885-3931 93
37	Haas William	□885-3294 96
37	Johnson S	885-8052 95
37	Taylor Kenneth	885-3657 84
37	Zlotnick Benny L Jr	□884-0185 96
40	Yanus Mark	+885-0109 96

0-BUS 14-RES 2-NEW

COVERED WAGON TRAILER COURT (R R 10)

Target Street	Cross Street	Source
-	✓	City's City Directory

30 Court Street 1990



--	Teal Jeanne	+885-3681	91
--	Wagner Edw F	885-5790	--
--	Williams H B	885-7425	--

15-BUS 14-RES 1-NEW

COURT

19	LaGalles Joseph Jr	885-7441	--
19	Morrissey Michael J	885-5712	86
20	Epperson E H	885-9226	--
20	Miller Marie S	+885-6252	91
21	Rice Jas Jr	885-5029	--
24	Couch Michael P	885-2675	89
25	Ferraro Robert	+885-1027	91
30	Webb Mary Mrs	885-6922	--
37	Knapik Nancy	+884-2941	91
37	Sponaugle D	885-4236	89
37	Taylor Kenneth	885-3657	84
37	Williams Richard	885-0861	89
37	Zimmer Peter	885-5509	90
40	Sweeney A W	885-5692	--

0-BUS 14-RES 3-NEW

COVERED WAGON TRAILER COURT

1	Noyes Max R	885-4261	90
6	Hendricks Evan	885-4576	89

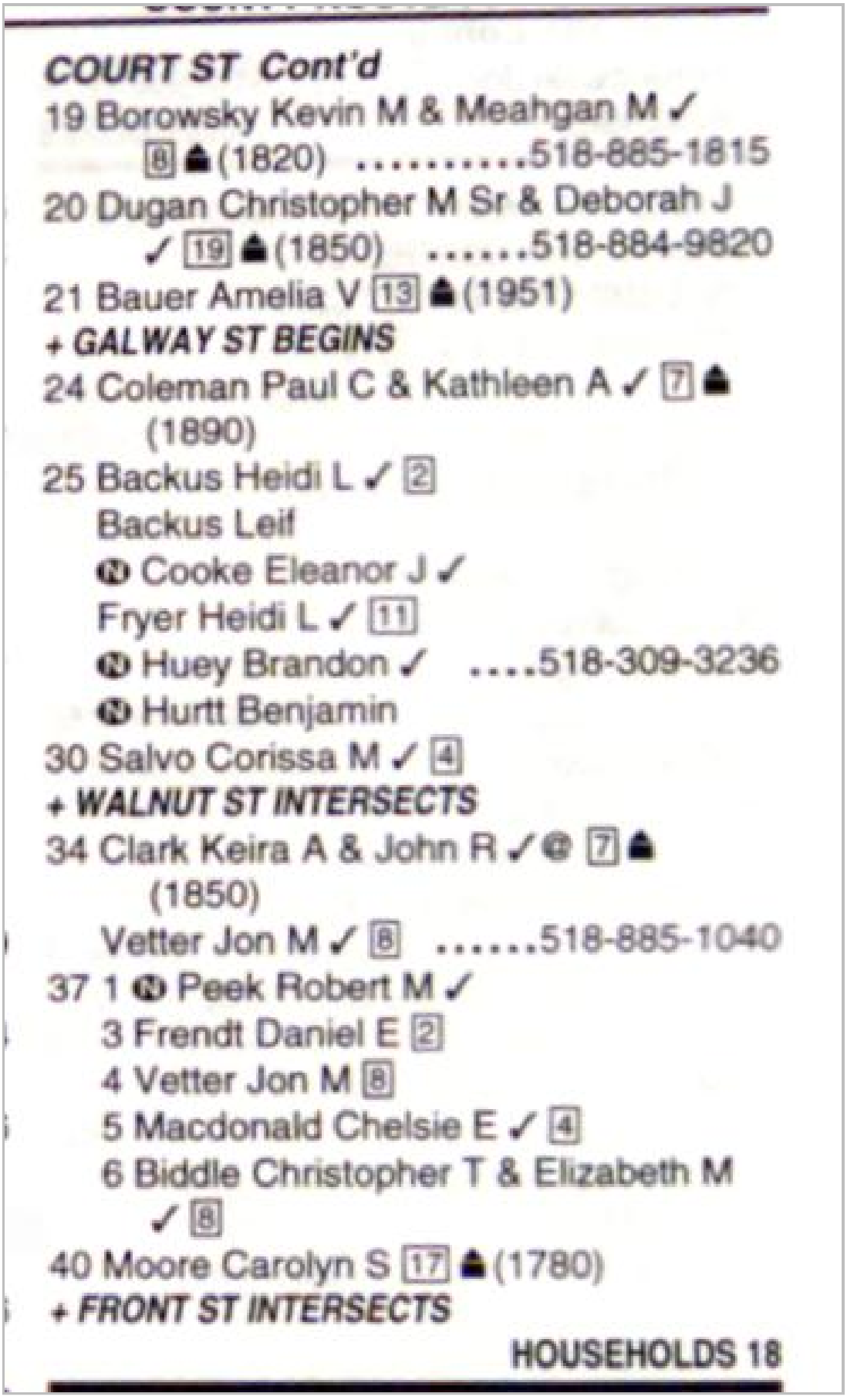
Target Street	Cross Street	Source
-	✓	Polk's City Directory

Court Street 2013


COURT ST (BALLSTON SPA)-FROM 64
GALWAY ST NORTH
+ W HIGH ST CONTINUES
• ZIP CODE 12020 CAR-RT C002

Target Street	Cross Street	Source
-	✓	Polk's City Directory

Court Street 2013



COURT ST Cont'd

19 Borowsky Kevin M & Meahgan M ✓
[8] ▲(1820) 518-885-1815

20 Dugan Christopher M Sr & Deborah J
✓ [19] ▲(1850) 518-884-9820

21 Bauer Amelia V [13] ▲(1951)

+ GALWAY ST BEGINS

24 Coleman Paul C & Kathleen A ✓ [7] ▲
(1890)

25 Backus Heidi L ✓ [2]
Backus Leif
Ⓝ Cooke Eleanor J ✓
Fryer Heidi L ✓ [11]
Ⓝ Huey Brandon ✓ 518-309-3236
Ⓝ Hurtt Benjamin

30 Salvo Corissa M ✓ [4]

+ WALNUT ST INTERSECTS

34 Clark Keira A & John R ✓ @ [7] ▲
(1850)
Vetter Jon M ✓ [8] 518-885-1040

37 1 Ⓝ Peek Robert M ✓
3 Frendt Daniel E [2]
4 Vetter Jon M [8]
5 Macdonald Chelsie E ✓ [4]
6 Biddle Christopher T & Elizabeth M
✓ [8]

40 Moore Carolyn S [17] ▲(1780)

+ FRONT ST INTERSECTS

HOUSEHOLDS 18

Target Street	Cross Street	Source
-	✓	Polk's City Directory

Court Street 2009

COURT ST (BALLSTON SPA)-FROM 64 GALWAY ST NORTH
+ W HIGH ST CONTINUES
• ZIP CODE 12020 CAR-RT C001
19 Borowsky Kevin M [4] ♠
.....518-885-1815
Borowsky Meahgan M ..518-885-1815
20 Dugan Christopher M Sr & Deborah J [15] ♠ 518-884-9820
21 Rice Amelia V [21] ♠ 518-885-5029
+ GALWAY ST BEGINS
24 Coleman Paul C & Kathleen A [3] ♠
25 La Pier Anna [4]
Voelker Michael S [9]
30 Ⓝ Huneke Maegan A
+ WALNUT ST INTERSECTS
34 Clark Keira A [3] ♠
37 Johnson Maria J [11] 518-884-8253
1 Carr Catherine B [4] ..518-885-8734
4 Vetter Jon M [4]
6 Biddle Christopher T [4]
6 Biddle Elizabeth M
40 Srygley-Moore James R Sr & Carolyn S [13] ♠
+ FRONT ST INTERSECTS
HOUSEHOLDS 13

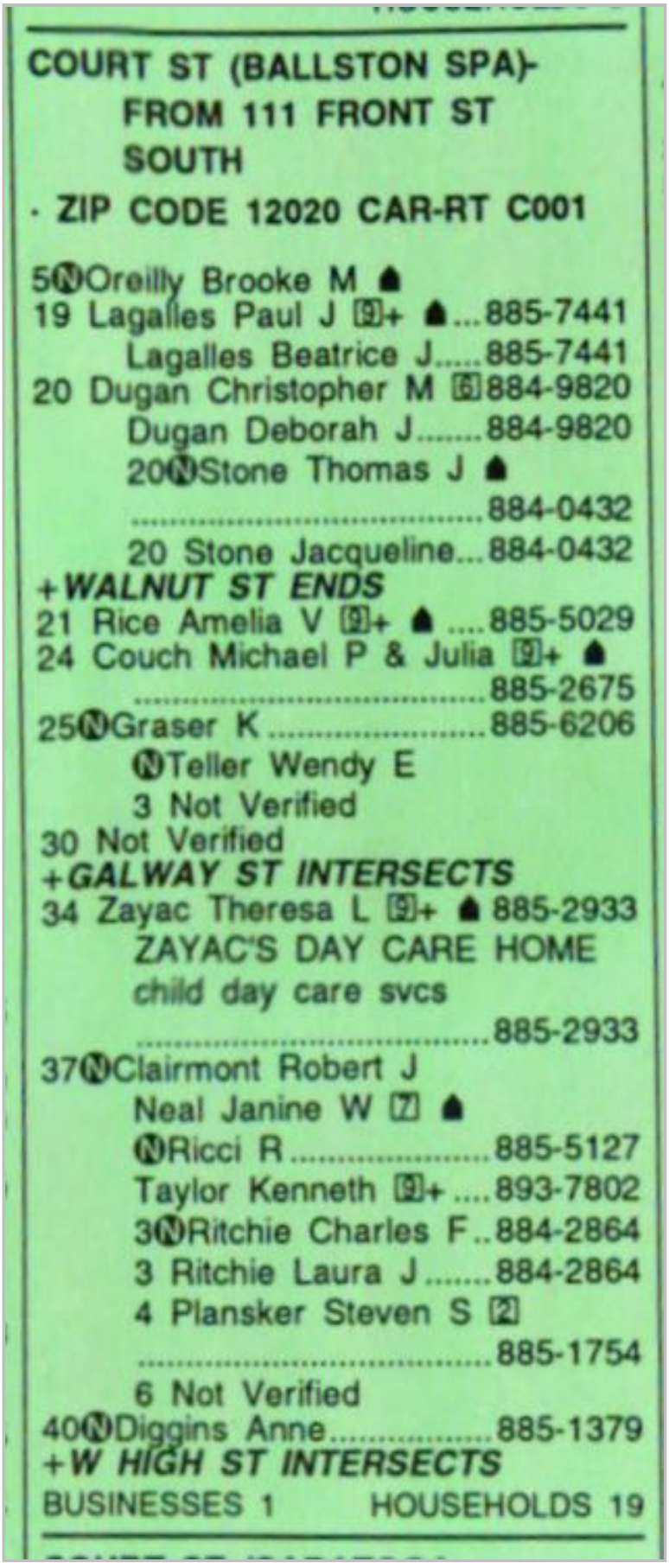
Target Street	Cross Street	Source
-	✓	Polk's City Directory

Court Street 2003

COURT ST (BALLSTON SPA)-FROM 64
GALWAY ST SOUTH
+ *FRONT ST CONTINUES*
• ZIP CODE 12020 CAR-RT C001
19 Ⓝ Weil Paul D 518-885-5476
20 Dugan Christopher M Sr & Deborah J
[10] 518-884-9820
Ⓝ Kelly Debra
+ *WALNUT ST ENDS*
2 No Current Listing
21 Rice Amelia V [16] ▲ 518-885-5029
+ *WALNUT ST CONTINUES*
24 Couch Michael P [16] ▲ ..518-885-2675
Couch Judith A 518-885-2675
25 Voelker Michael S [4]
Voelker D
1 - 3 No Current Listing (3 Apts)
+ *GALWAY ST BEGINS*
30 Ⓝ Medeiros Alicia M
Ⓝ Palmer Michael 518-884-8198
Webb Mary A [4]
1 Macwhinnie Cathy L [6]
.....518-884-9265
34 Zayac Mark W [17] ▲ 518-885-2933
Zayac Nichole M 518-885-2933
37 Johnson Maria J [6] 518-884-8253
Ⓝ Sherman Sarah 518-885-7675
Taylor Kenneth [20] 518-885-3657
1 - 4 No Current Listing (3 Apts)
5 Maloney Jason E [8] ..518-884-8242
6 No Current Listing
40 Srygleymoore James R Jr [6]
.....518-885-0721
Srygleymoore James Sr 518-885-0721
+ *W HIGH ST INTERSECTS*
HOUSEHOLDS 24

Target Street	Cross Street	Source
-	✓	Polk's City Directory

Court Street 1998



COURT ST (BALLSTON SPA)-
FROM 111 FRONT ST
SOUTH
· ZIP CODE 12020 CAR-RT C001

5 (N) Oreilly Brooke M
19 Lagalles Paul J [9]+ 885-7441
Lagalles Beatrice J.....885-7441
20 Dugan Christopher M [6]884-9820
Dugan Deborah J.....884-9820
20 (N) Stone Thomas J
.....884-0432
20 Stone Jacqueline...884-0432
+*WALNUT ST ENDS*
21 Rice Amelia V [9]+ 885-5029
24 Couch Michael P & Julia [9]+
.....885-2675
25 (N) Graser K 885-6206
(N) Teller Wendy E
3 Not Verified
30 Not Verified
+*GALWAY ST INTERSECTS*
34 Zayac Theresa L [9]+ 885-2933
ZAYAC'S DAY CARE HOME
child day care svcs
.....885-2933
37 (N) Clairmont Robert J
Neal Janine W [7]
(N) Ricci R 885-5127
Taylor Kenneth [9]+ 893-7802
3 (N) Ritchie Charles F..884-2864
3 Ritchie Laura J 884-2864
4 Plansker Steven S [2]
.....885-1754
6 Not Verified
40 (N) Diggins Anne.....885-1379
+*W HIGH ST INTERSECTS*
BUSINESSES 1 HOUSEHOLDS 19

Target Street	Cross Street	Source
-	✓	Manning's City Directory

Court Street 1968

COURT fr 76 W High to 127 Front

Right side even numbers

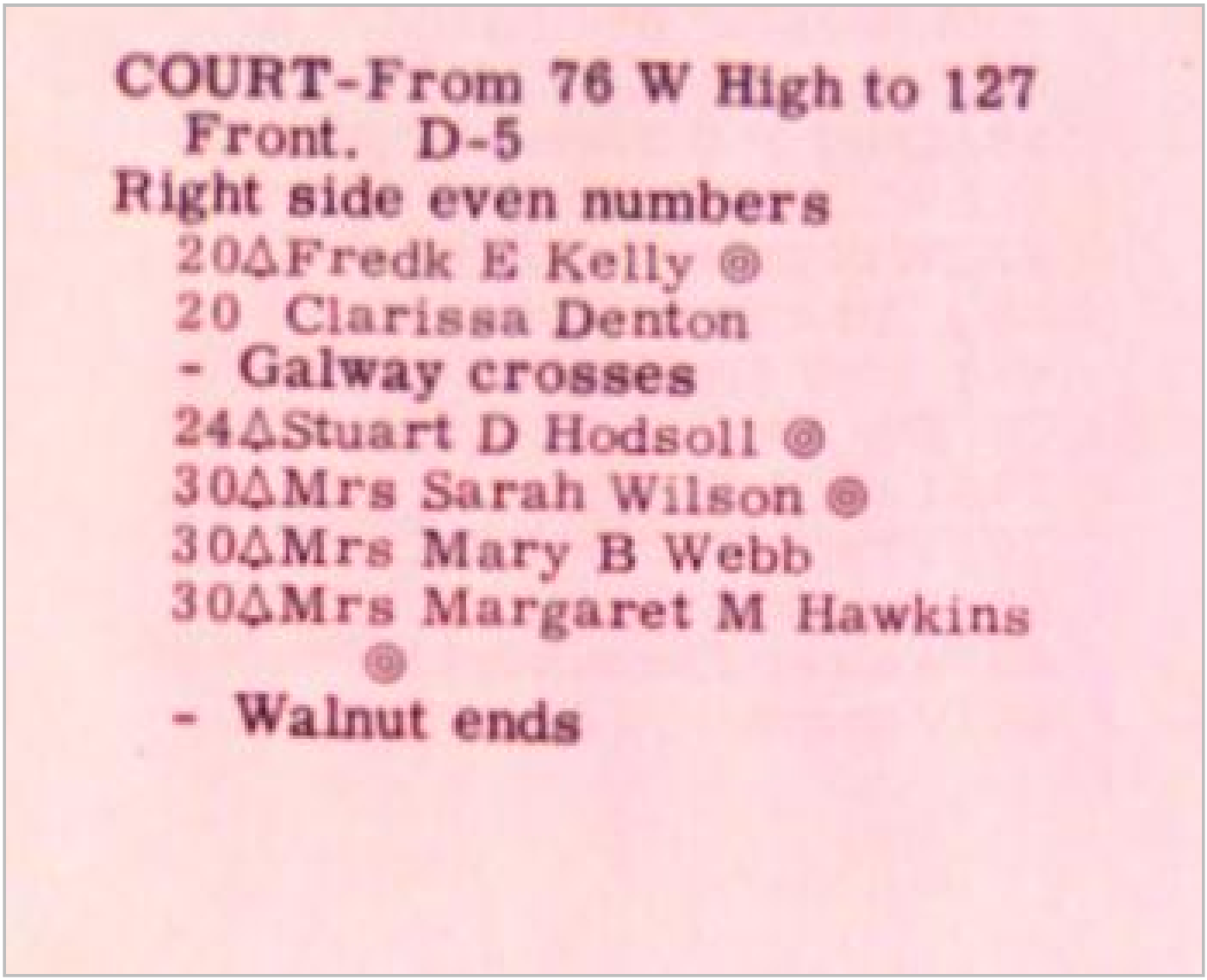
20 ◎ Fredk E Kelly 5-9226
20 Clarissa Denton 5-9538
— Galway crosses
24 Vacant
30 ◎ Mrs Sarah Wilson 5-6922
30 Mrs Mary B Webb 5-6922
30 Walnut
— Walnut ends
34 ◎ Mrs Sarah Foote 5-5687
34 Bessie A Cline
40 ◎ Mrs Dorothy M Burns

Left side odd numbers

19 ◎ Jos J LaGalles 5-7441
— Galway crosses
21 ◎ Jas P Rice 5-5029
21 Jas A Rice
25 Vacant
37 Mrs Adelaide Dohig 5-6836
37 Francis J Clark 5-5680
37 Mrs Marguerite B DiPasquale 5-5204
37 Lewis Crandall 5-5750
37 Mrs Maude E Livermore
37 Mrs Hazel Wrighter 5-6497

Target Street	Cross Street	Source
-	✓	Manning's City Directory

Court Street 1964



COURT-From 76 W High to 127
Front. D-5
Right side even numbers
20△Fredk E Kelly ◎
20 Clarissa Denton
- Galway crosses
24△Stuart D Hodsoll ◎
30△Mrs Sarah Wilson ◎
30△Mrs Mary B Webb
30△Mrs Margaret M Hawkins
◎
- Walnut ends

Target Street	Cross Street	Source
-	✓	Manning's City Directory

Court Street 1964



1964 — H. A. MANNING COMPANY'S

34ΔMrs Sarah Foote ◎
34ΔVacant
40ΔMrs Dorothy M Burns ◎

Left side odd numbers

19ΔJos J LaGalles ◎
- Galway crosses
21ΔJas P Rice ◎
21 Jas A Rice
25ΔPaul Hager
37 Mrs Augusta Dohig
37 Francis J Clark
37 Mrs Mary L Brunell
37ΔLewis Crandall
37 Vernon W Jones
37 Mrs Hazel Wrighter

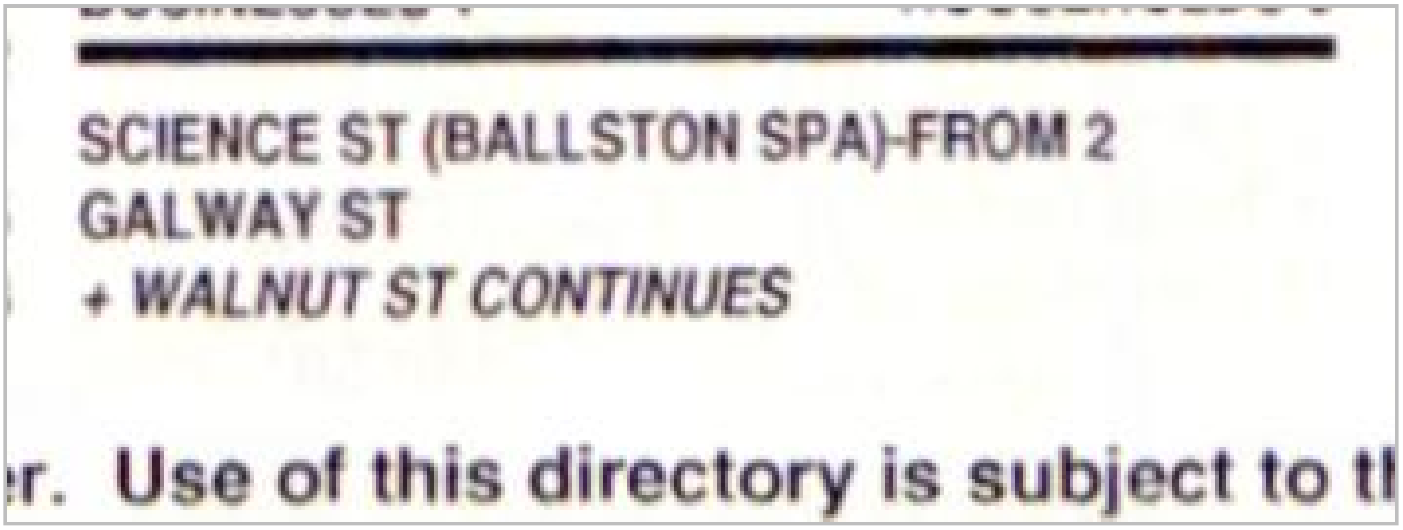
Target Street	Cross Street	Source
-	✓	Polk's City Directory

Science Street 2013



Target Street	Cross Street	Source
-	✓	Polk's City Directory

Science Street 2009


SCIENCE ST (BALLSTON SPA)-FROM 2
GALWAY ST
+ WALNUT ST CONTINUES

r. Use of this directory is subject to t

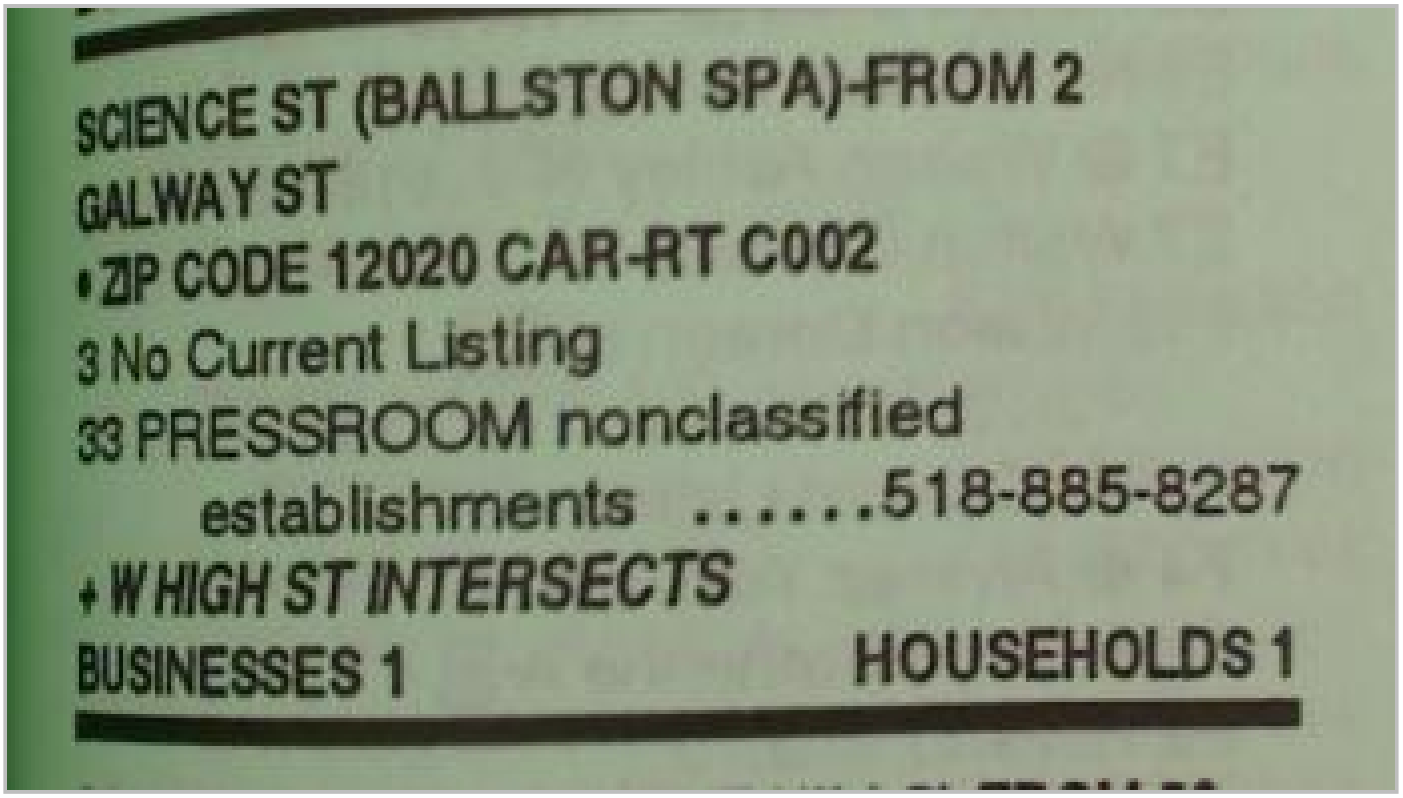
Target Street	Cross Street	Source
-	✓	Polk's City Directory

Science Street 2009



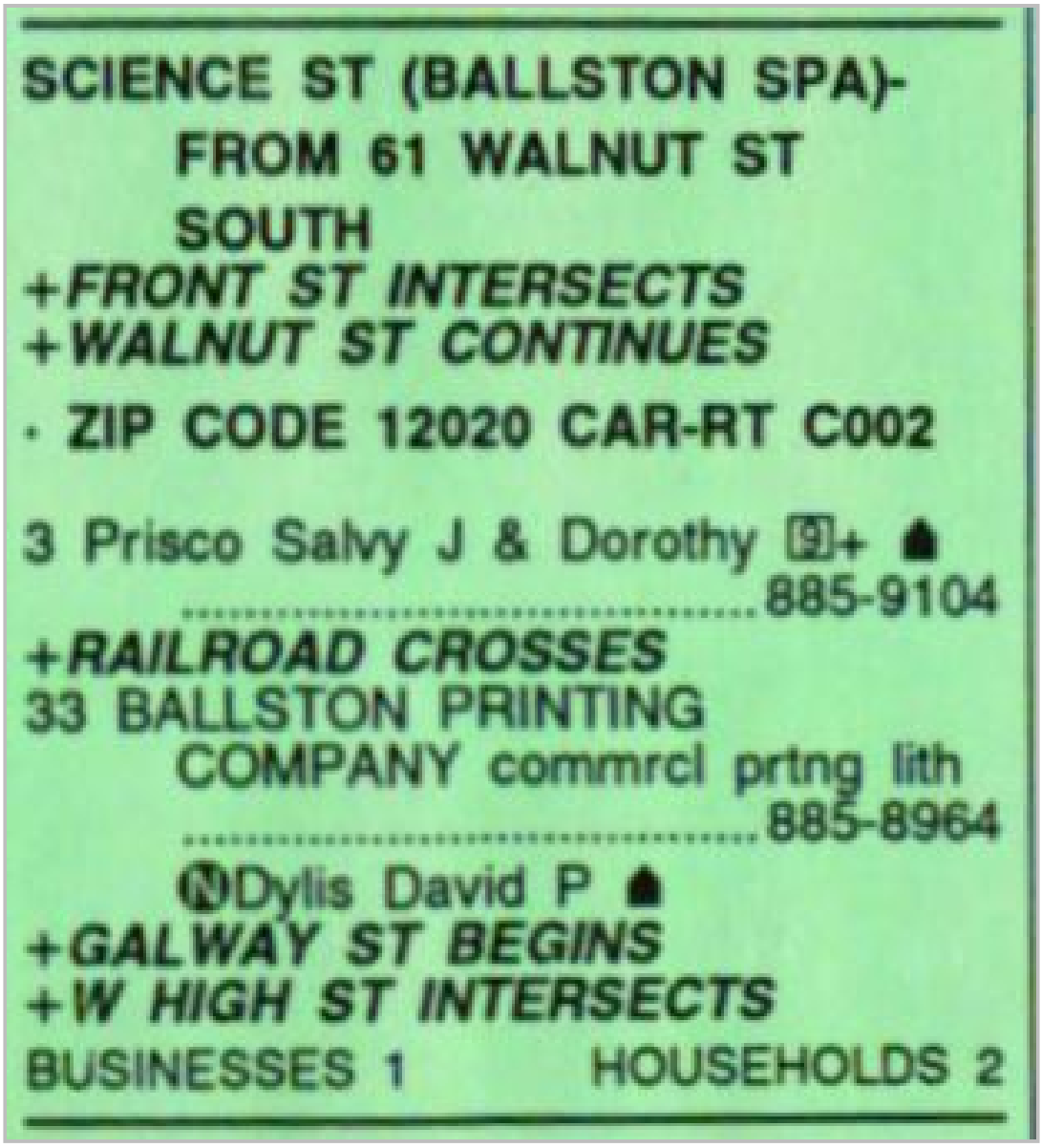
Target Street	Cross Street	Source
-	✓	Polk's City Directory

Science Street 2003



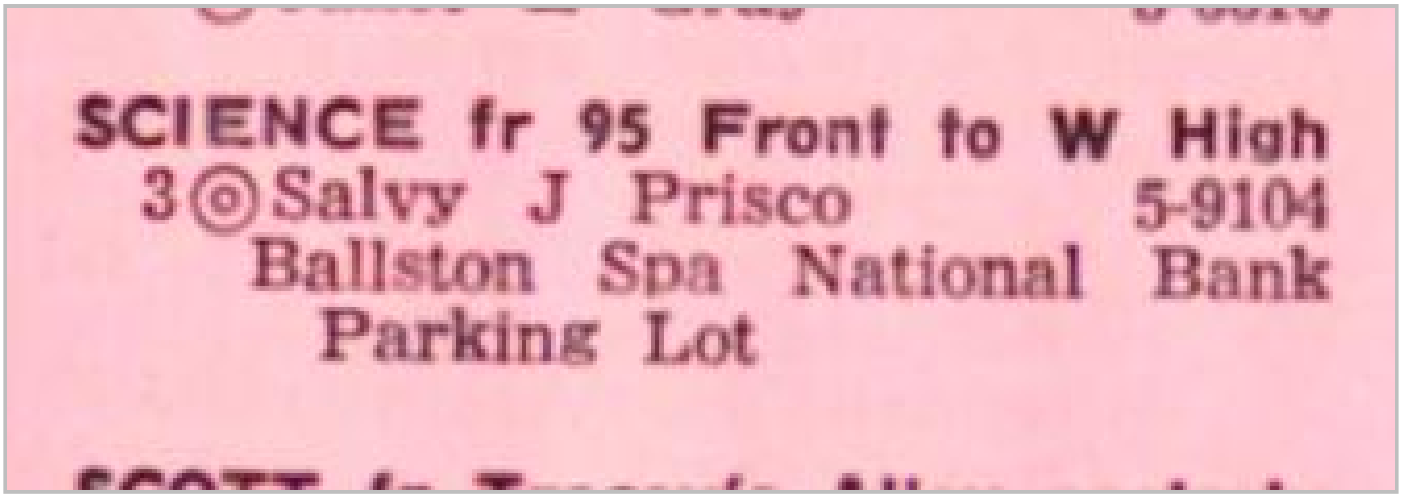
Target Street	Cross Street	Source
-	✓	Polk's City Directory

Science Street 1998



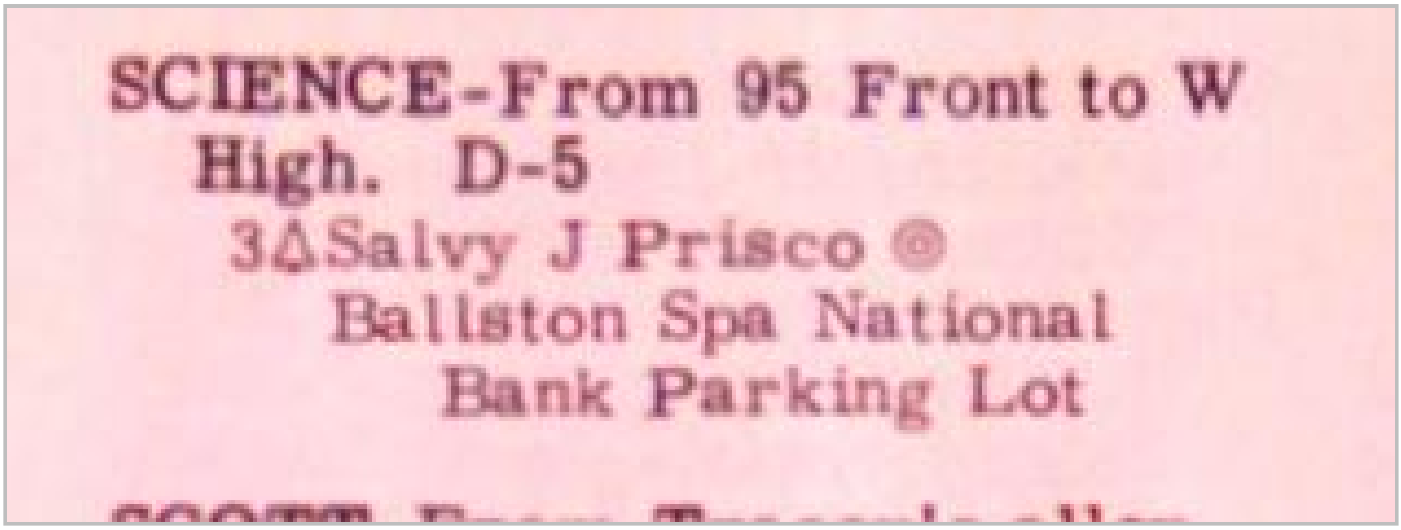
Target Street	Cross Street	Source
-	✓	Manning's City Directory

Science Street 1968



Target Street	Cross Street	Source
-	✓	Manning's City Directory

Science Street 1964



Old Agway Store
61-2 GALWAY ST
Ballston Spa, NY 12020

Inquiry Number: 3580682.2s
April 18, 2013

The EDR Radius Map™ Report with GeoCheck®

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION	PAGE
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	8
Orphan Summary	199
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting SSURGO Soil Map	A-5
Physical Setting Source Map	A-15
Physical Setting Source Map Findings	A-17
Physical Setting Source Records Searched	A-24

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2013 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

61-2 GALWAY ST
BALLSTON SPA, NY 12020

COORDINATES

Latitude (North):	43.0016000 - 43° 0' 5.76''
Longitude (West):	73.8528000 - 73° 51' 10.08''
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	593507.1
UTM Y (Meters):	4761416.0
Elevation:	288 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	43073-A7 SARATOGA SPRINGS, NY
Most Recent Revision:	1967
South Map:	42073-H7 ROUND LAKE, NY
Most Recent Revision:	1980

AERIAL PHOTOGRAPHY IN THIS REPORT

Photo Year:	2011
Source:	USDA

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL---------- National Priority List

EXECUTIVE SUMMARY

Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ---------- National Priority List Deletions

Federal CERCLIS list

CERCLIS ---------- Comprehensive Environmental Response, Compensation, and Liability Information System
FEDERAL FACILITY ---------- Federal Facility Site Information listing

Federal CERCLIS NFRAP site List

CERC-NFRAP ---------- CERCLIS No Further Remedial Action Planned

Federal RCRA CORRACTS facilities list

CORRACTS ---------- Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF ---------- RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-LQG ---------- RCRA - Large Quantity Generators
RCRA-SQG ---------- RCRA - Small Quantity Generators

Federal institutional controls / engineering controls registries

US ENG CONTROLS ---------- Engineering Controls Sites List
US INST CONTROL ---------- Sites with Institutional Controls
LUCIS ---------- Land Use Control Information System

Federal ERNS list

ERNS ---------- Emergency Response Notification System

State- and tribal - equivalent CERCLIS

SHWS ---------- Inactive Hazardous Waste Disposal Sites in New York State
VAPOR REOPENED ---------- Vapor Intrusion Legacy Site List

State and tribal landfill and/or solid waste disposal site lists

SWF/LF ---------- Facility Register

State and tribal leaking storage tank lists

INDIAN LUST ---------- Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

TANKS ---------- Storage Tank Faciliy Listing

CBS UST ---- Chemical Bulk Storage Database
MOSF UST ---- Major Oil Storage Facilities Database
MOSF AST ---- Major Oil Storage Facilities Database
MOSF ---- Major Oil Storage Facility Site Listing
INDIAN UST ---- Underground Storage Tanks on Indian Land
FEMA UST ---- Underground Storage Tank Listing

State and tribal institutional control / engineering control registries

ENG CONTROLS ---- Registry of Engineering Controls
INST CONTROL ---- Registry of Institutional Controls
RES DECL ---- Restrictive Declarations Listing

State and tribal voluntary cleanup sites

INDIAN VCP ---- Voluntary Cleanup Priority Listing
VCP ---- Voluntary Cleanup Agreements

State and tribal Brownfields sites

ERP ---- Environmental Restoration Program Listing
BROWNFIELDS ---- Brownfields Site List

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ---- A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9 ---- Torres Martinez Reservation Illegal Dump Site Locations
ODI ---- Open Dump Inventory
SWRCY ---- Registered Recycling Facility List
SWTIRE ---- Registered Waste Tire Storage & Facility List
INDIAN ODI ---- Report on the Status of Open Dumps on Indian Lands

Local Lists of Hazardous waste / Contaminated Sites

US CDL ---- Clandestine Drug Labs
DEL SHWS ---- Delisted Registry Sites
US HIST CDL ---- National Clandestine Laboratory Register

Local Lists of Registered Storage Tanks

HIST AST ---- Historical Petroleum Bulk Storage Database

Local Land Records

LIENS 2 ---- CERCLA Lien Information
LIENS ---- Spill Liens Information

Records of Emergency Release Reports

HMIRS ---- Hazardous Materials Information Reporting System

Other Ascertainable Records

DOT OPS	Incident and Accident Data
DOD	Department of Defense Sites
FUDS	Formerly Used Defense Sites
CONSENT	Superfund (CERCLA) Consent Decrees
ROD	Records Of Decision
UMTRA	Uranium Mill Tailings Sites
US MINES	Mines Master Index File
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
SSTS	Section 7 Tracking Systems
ICIS	Integrated Compliance Information System
PADS	PCB Activity Database System
MLTS	Material Licensing Tracking System
RADINFO	Radiation Information Database
FINDS	Facility Index System/Facility Registry System
RAATS	RCRA Administrative Action Tracking System
RMP	Risk Management Plans
HSWDS	Hazardous Substance Waste Disposal Site Inventory
UIC	Underground Injection Control Wells
SPDES	State Pollutant Discharge Elimination System
AIRS	Air Emissions Data
E DESIGNATION	E DESIGNATION SITE LISTING
INDIAN RESERV	Indian Reservations
SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing
COAL ASH	Coal Ash Disposal Site Listing
PRP	Potentially Responsible Parties
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
Financial Assurance	Financial Assurance Information Listing
2020 COR ACTION	2020 Corrective Action Program List
US AIRS	Aerometric Information Retrieval System Facility Subsystem
PCB TRANSFORMER	PCB Transformer Registration Database
US FIN ASSUR	Financial Assurance Information
EPA WATCH LIST	EPA WATCH LIST
COAL ASH DOE	Steam-Electric Plant Operation Data

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

EXECUTIVE SUMMARY

STANDARD ENVIRONMENTAL RECORDS

Federal RCRA generators list

RCRA-CESQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-CESQG list, as provided by EDR, and dated 02/12/2013 has revealed that there is 1 RCRA-CESQG site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
SPA CLEANERS	***92 MILTON AVE***	***ENE 1/8 - 1/4 (0.204 mi.)***	***J50***	***140***

State and tribal leaking storage tank lists

LTANKS: Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills

A review of the LTANKS list, as provided by EDR, and dated 02/19/2013 has revealed that there are 15 LTANKS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SARATOGA COUNTY FACILITY Date Closed: 8/6/2010	50 WEST HIGH ST	SE 0 - 1/8 (0.067 mi.)	D11	35
SARA. CO. DOT Date Closed: 3/7/1997	***WEST HIGH STREET***	***SSE 0 - 1/8 (0.069 mi.)***	***D13***	***41***
COUNTY BUILDINGS Date Closed: 11/14/1996	***WEST HIGH STREET***	***SSE 0 - 1/8 (0.069 mi.)***	***D14***	***43***
SARATOGA COUNTY DOT Date Closed: 7/2/1991	***WEST HIGH STREET***	***SSE 0 - 1/8 (0.069 mi.)***	***D15***	***46***
CLUTE RESIDENCE Date Closed: 1/8/2001	***18 WEST HIGH ST***	***ESE 1/8 - 1/4 (0.132 mi.)***	***G34***	***96***
CUNNINGHAM'S COIN LAUNDRY Date Closed: 3/21/2007	9 CHURCH STREET	ESE 1/8 - 1/4 (0.182 mi.)	I45	127
SARA COUNTY COMPLX BLDG 4 Date Closed: 12/10/1992	***40 MCMASTER ST***	***SSE 1/8 - 1/4 (0.195 mi.)***	***K48***	***134***
SARATOGA CO.BLDG. Date Closed: 4/4/1987	***SARATOGA CO. BLDG.***	***SE 1/8 - 1/4 (0.235 mi.)***	***L57***	***178***
SARATOGA COUNTY JAIL Date Closed: 3/30/1989	***HIGH STREET***	***SE 1/8 - 1/4 (0.235 mi.)***	***L58***	***181***
WHALEN RESIDENCE Date Closed: 8/15/2000	***86 MCLEAN ST***	***ESE 1/4 - 1/2 (0.402 mi.)***	***64***	***194***
RESIDENCE Date Closed: 2/27/2002	96 EASTERN AVE	E 1/4 - 1/2 (0.477 mi.)	65	197

Lower Elevation	Address	Direction / Distance	Map ID	Page
OLD VILLAGE GARAGE	***THOMPSON STREET***	***NNE 1/8 - 1/4 (0.231 mi.)***	***55***	***172***
CUMBERLAND FARM	***MILTON AVENUE***	***NE 1/8 - 1/4 (0.231 mi.)***	***56***	***175***
Date Closed: 5/20/1988				
BALLSTON SPA BUS GARAGE	***MALTA AVENUE***	***ENE 1/4 - 1/2 (0.286 mi.)***	***M60***	***183***
Date Closed: 4/2/1988				
SHAVER RESIDENCE	***47 MALTA AVE***	***NE 1/4 - 1/2 (0.319 mi.)***	***M61***	***186***
Date Closed: 7/12/2000				

HIST LTANKS: A listing of leaking underground and aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills. In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY LTANKS database.

A review of the HIST LTANKS list, as provided by EDR, and dated 01/01/2002 has revealed that there are 14 HIST LTANKS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SARA. CO. DOT	***WEST HIGH STREET***	***SSE 0 - 1/8 (0.069 mi.)***	***D13***	***41***
Date Closed: 03/07/97				
COUNTY BUILDINGS	***WEST HIGH STREET***	***SSE 0 - 1/8 (0.069 mi.)***	***D14***	***43***
Date Closed: 11/14/96				
SARATOGA COUNTY DOT	***WEST HIGH STREET***	***SSE 0 - 1/8 (0.069 mi.)***	***D15***	***46***
Date Closed: 07/02/91				
CLUTE RESIDENCE	***18 WEST HIGH ST***	***ESE 1/8 - 1/4 (0.132 mi.)***	***G34***	***96***
Date Closed: 01/08/01				
SARA COUNTY COMPLX BLDG 4	***40 MCMASTER ST***	***SSE 1/8 - 1/4 (0.195 mi.)***	***K48***	***134***
Date Closed: 12/10/92				
SARATOGA CO.BLDG.	***SARATOGA CO. BLDG.***	***SE 1/8 - 1/4 (0.235 mi.)***	***L57***	***178***
Date Closed: 04/04/87				
SARATOGA COUNTY JAIL	***HIGH STREET***	***SE 1/8 - 1/4 (0.235 mi.)***	***L58***	***181***
Date Closed: 03/30/89				
VERNUM RESIDENCE	***222 ROUTE 67***	***WSW 1/4 - 1/2 (0.388 mi.)***	***62***	***189***
Date Closed: 07/05/96				
MOULD RESIDENCE	***122 CHURCH AVE***	***SSE 1/4 - 1/2 (0.399 mi.)***	***63***	***191***
Date Closed: 06/03/97				
WHALEN RESIDENCE	***86 MCLEAN ST***	***ESE 1/4 - 1/2 (0.402 mi.)***	***64***	***194***
Date Closed: 08/15/00				

Lower Elevation	Address	Direction / Distance	Map ID	Page
OLD VILLAGE GARAGE	***THOMPSON STREET***	***NNE 1/8 - 1/4 (0.231 mi.)***	***55***	***172***
CUMBERLAND FARM	***MILTON AVENUE***	***NE 1/8 - 1/4 (0.231 mi.)***	***56***	***175***
Date Closed: 05/20/88				
BALLSTON SPA BUS GARAGE	***MALTA AVENUE***	***ENE 1/4 - 1/2 (0.286 mi.)***	***M60***	***183***
Date Closed: 04/02/88				
SHAVER RESIDENCE	***47 MALTA AVE***	***NE 1/4 - 1/2 (0.319 mi.)***	***M61***	***186***
Date Closed: 07/12/00				

EXECUTIVE SUMMARY

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database

A review of the UST list, as provided by EDR, and dated 01/02/2013 has revealed that there are 10 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SARATOGA COUNTY FACILITIES BLD	***50 W HIGH ST***	***SE 0 - 1/8 (0.067 mi.)***	***D12***	***36***
MARILYN & GARY STEPHENSON	45 WEST HIGH STREET	ESE 0 - 1/8 (0.088 mi.)	D22	58
TUFFLITE PLASTICS INC	***19 LOW STREET***	***E 1/8 - 1/4 (0.130 mi.)***	***32***	***86***
CUNNINGHAM'S LAUNDRY	9 CHURCH STREET	ESE 1/8 - 1/4 (0.178 mi.)	I43	123
SARATOGA COUNTY INFIRMARY	***BALLSTON AVENUE***	***SSE 1/8 - 1/4 (0.195 mi.)***	***K49***	***136***
SARATOGA COUNTY COMPLEX	***10 MC MASTERS ST***	***SE 1/8 - 1/4 (0.227 mi.)***	***L54***	***166***

Lower Elevation	Address	Direction / Distance	Map ID	Page
VILLAGE OF BALLSTON SPA	31 CHARLTON STREET	W 0 - 1/8 (0.089 mi.)	E26	72
ANGELICA HEALTHCARE SERVICES	125 BATH STREET	NNE 1/8 - 1/4 (0.164 mi.)	H36	104
U.S. POSTAL SERVICE	***1 FRONT STREET***	***ENE 1/8 - 1/4 (0.182 mi.)***	***46***	***129***
CUMBERLAND FARMS #3161	***75 MILTON AVENUE***	***NE 1/8 - 1/4 (0.206 mi.)***	***J53***	***155***

AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database.

A review of the AST list, as provided by EDR, and dated 01/02/2013 has revealed that there are 2 AST sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
VILLAGE OF BALLSTON SPA	***32 CHARLTON STREET***	***W 0 - 1/8 (0.089 mi.)***	***E25***	***64***
ANGELICA HEALTH CARE	***125 BATH STREET***	***NNE 1/8 - 1/4 (0.164 mi.)***	***H38***	***108***

CBS AST: Chemical Bulk Storage Database. Registration data collected as required by 6 NYCRR Part 596. It includes facilities storing hazardous substances listed in 6 NYCRR Part 597, in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size. Includes facilities registered (and closed) since effective date of CBS regulations (July 15, 1988) through the date request is processed.

A review of the CBS AST list, as provided by EDR, and dated 01/01/2002 has revealed that there is 1 CBS AST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
ANGELICA TEXTILE	125 BATH STREET	NNE 1/8 - 1/4 (0.164 mi.)	H35	99

CBS: These facilities store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size

A review of the CBS list, as provided by EDR, and dated 01/02/2013 has revealed that there is 1 CBS site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
FORT ANGELICA	*125 BATH ST*	*NNE 1/8 - 1/4 (0.164 mi.)*	*H37*	*106*

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Registered Storage Tanks

HIST UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database

A review of the HIST UST list, as provided by EDR, and dated 01/01/2002 has revealed that there are 8 HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SARATOGA COUNTY FACILITIES BLD	*50 W HIGH ST*	*SE 0 - 1/8 (0.067 mi.)*	*D12*	*36*
TUFFLITE PLASTICS INC	*19 LOW STREET*	*E 1/8 - 1/4 (0.130 mi.)*	*32*	*86*
SARATOGA COUNTY INFIRMARY	*BALLSTON AVENUE*	*SSE 1/8 - 1/4 (0.195 mi.)*	*K49*	*136*
SARATOGA COUNTY COMPLEX	*10 MC MASTERS ST*	*SE 1/8 - 1/4 (0.227 mi.)*	*L54*	*166*

Lower Elevation	Address	Direction / Distance	Map ID	Page
VILLAGE OF BALLSTON SPA	*32 CHARLTON STREET*	*W 0 - 1/8 (0.089 mi.)*	*E25*	*64*
ANGELICA HEALTH CARE	*125 BATH STREET*	*NNE 1/8 - 1/4 (0.164 mi.)*	*H38*	*108*
U.S. POSTAL SERVICE	*1 FRONT STREET*	*ENE 1/8 - 1/4 (0.182 mi.)*	*46*	*129*
CUMBERLAND FARMS #3161	*75 MILTON AVENUE*	*NE 1/8 - 1/4 (0.206 mi.)*	*J53*	*155*

Records of Emergency Release Reports

NY Spills: Data collected on spills reported to NYSDEC. is required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

A review of the NY Spills list, as provided by EDR, and dated 02/19/2013 has revealed that there are 18 NY Spills sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
COUCH RESIDENCE Date Closed: 12/13/1993	*24 COURT ST.*	*WSW 0 - 1/8 (0.034 mi.)*	*B2*	*9*
BALLSTON PRINTING Date Closed: 1/16/1996	*24 COURT ST.*	*WSW 0 - 1/8 (0.034 mi.)*	*B3*	*12*
JULIE COUCH RESIDENCE Date Closed: 6/9/1993 Date Closed: 8/20/1993	*24 COURT STREET*	*WSW 0 - 1/8 (0.034 mi.)*	*B4*	*15*

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
JULIE COUCH RES. Date Closed: 11/3/1993	***24 COURT STREET***	***WSW 0 - 1/8 (0.034 mi.)***	***B5***	***20***
COUNTY BUILDING Date Closed: 12/7/1988	***PARKING LOT***	***ESE 0 - 1/8 (0.048 mi.)***	***A6***	***22***
SARA COUNTY COMPLEX BLDG5 Date Closed: 6/2/1999	***WEST HIGH STREET***	***ESE 0 - 1/8 (0.048 mi.)***	***A7***	***25***
TUFF-LITE PLASTICS Date Closed: 11/12/1993	***BATH STREET***	***ESE 0 - 1/8 (0.070 mi.)***	***D16***	***48***
STEPHENSON RESIDENCE Date Closed: 10/23/2008	45V WEST HIGH STREET	ESE 0 - 1/8 (0.088 mi.)	D23	60
BALLSTON SPA FUMES Date Closed: 8/3/1992	***BATH & WEST HIGH ST.***	***ESE 0 - 1/8 (0.088 mi.)***	***D24***	***62***
NIMO POLE #5 Date Closed: 9/29/2006	24 REMSON STREET	SE 0 - 1/8 (0.098 mi.)	D27	76
R. H. CROWN CO. Date Closed: 3/22/1994	***BALLSTON AVE & WEST HIG***	***SW 0 - 1/8 (0.107 mi.)***	***29***	***80***
PRESBYTERIAN CHURCH Date Closed: 3/8/2011	22 WEST HIGH STREET	ESE 0 - 1/8 (0.124 mi.)	G31	84

Lower Elevation	Address	Direction / Distance	Map ID	Page
DENTIST OFFICE Date Closed: 1/25/1993	***FRONT & SCIENCE STREETS***	***NE 0 - 1/8 (0.049 mi.)***	***C8***	***27***
UNDERGROUND TANK Date Closed: 9/27/2011	35 BATH STREET	ENE 0 - 1/8 (0.065 mi.)	C10	33
POLE #11 Date Closed: 5/4/2007	75 WASHINGTON STREET	NNE 0 - 1/8 (0.075 mi.)	C17	51
VILLAGE GARAGE/BS LANDFIL Date Closed: 5/14/1997	***66 FRONT STREET/MALTA A***	***NE 0 - 1/8 (0.076 mi.)***	***C18***	***52***
CATCH BASIN Date Closed: 7/21/2008	32 CHARLESTON STREET	WNW 0 - 1/8 (0.086 mi.)	E21	57
ROADWAY Date Closed: 7/13/1998	***WASHINGTON AND BATH ST***	***NE 0 - 1/8 (0.102 mi.)***	***F28***	***77***

NY Hist Spills: This database contains records of chemical and petroleum spill incidents. Under State law, petroleum and hazardous chemical spills that can impact the waters of the state must be reported by the spiller (and, in some cases, by anyone who has knowledge of the spills). In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY SPILLS database.

A review of the NY Hist Spills list, as provided by EDR, and dated 01/01/2002 has revealed that there are 12 NY Hist Spills sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
COUCH RESIDENCE	***24 COURT ST.***	***WSW 0 - 1/8 (0.034 mi.)***	***B2***	***9***
BALLSTON PRINTING	***24 COURT ST.***	***WSW 0 - 1/8 (0.034 mi.)***	***B3***	***12***
JULIE COUCH RESIDENCE	***24 COURT STREET***	***WSW 0 - 1/8 (0.034 mi.)***	***B4***	***15***

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
JULIE COUCH RES.	*24 COURT STREET*	*WSW 0 - 1/8 (0.034 mi.)*	*B5*	*20*
COUNTY BUILDING	*PARKING LOT*	*ESE 0 - 1/8 (0.048 mi.)*	*A6*	*22*
SARA COUNTY COMPLEX BLDG5	*WEST HIGH STREET*	*ESE 0 - 1/8 (0.048 mi.)*	*A7*	*25*
TUFF-LITE PLASTICS	*BATH STREET*	*ESE 0 - 1/8 (0.070 mi.)*	*D16*	*48*
BALLSTON SPA FUMES	*BATH & WEST HIGH ST.*	*ESE 0 - 1/8 (0.088 mi.)*	*D24*	*62*
R. H. CROWN CO.	*BALLSTON AVE & WEST HIG*	*SW 0 - 1/8 (0.107 mi.)*	*29*	*80*

Lower Elevation	Address	Direction / Distance	Map ID	Page
DENTIST OFFICE	*FRONT & SCIENCE STREETS*	*NE 0 - 1/8 (0.049 mi.)*	*C8*	*27*
VILLAGE GARAGE/BS LANDFIL	*66 FRONT STREET/MALTA A*	*NE 0 - 1/8 (0.076 mi.)*	*C18*	*52*
ROADWAY	*WASHINGTON AND BATH ST*	*NE 0 - 1/8 (0.102 mi.)*	*F28*	*77*

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 02/12/2013 has revealed that there are 6 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BALLSTON PRINTING CO INC	*33 SCIENCE ST*	*ESE 0 - 1/8 (0.014 mi.)*	*A1*	*8*
SARATOGA COUNTY D P W - GARAGE	*NYS RTE 67 & W HIGH ST*	*ESE 1/8 - 1/4 (0.131 mi.)*	*G33*	*90*
J W SANDRI INC	*RD 8 CHURCH AVE*	*ESE 1/8 - 1/4 (0.174 mi.)*	*I39*	*115*
CUMBERLAND FARMS 3138	*RTES 50 & 67*	*ESE 1/8 - 1/4 (0.192 mi.)*	*I47*	*132*

Lower Elevation	Address	Direction / Distance	Map ID	Page
PRESSROOM THE	*35 BATH ST*	*ENE 0 - 1/8 (0.065 mi.)*	*C9*	*30*
A PLUS TRANSMISSION CTR	*17 WASHINGTON ST*	*NE 1/8 - 1/4 (0.176 mi.)*	*J40*	*117*

MANIFEST: Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

A review of the MANIFEST list, as provided by EDR, and dated 02/01/2013 has revealed that there are 5 MANIFEST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SARATOGA COUNTY D P W - GARAGE	*NYS RTE 67 & W HIGH ST*	*ESE 1/8 - 1/4 (0.131 mi.)*	*G33*	*90*

Lower Elevation	Address	Direction / Distance	Map ID	Page
PRESSROOM THE	*35 BATH ST*	*ENE 0 - 1/8 (0.065 mi.)*	*C9*	*30*
BALLSTON VILLAGE OF	66 FRONT STREET	NE 0 - 1/8 (0.078 mi.)	C20	56
A PLUS TRANSMISSION CTR	*17 WASHINGTON ST*	*NE 1/8 - 1/4 (0.176 mi.)*	*J40*	*117*
SPA CLEANERS	*92 MILTON AVENUE*	*ENE 1/8 - 1/4 (0.204 mi.)*	*J52*	*145*

DRYCLEANERS: A listing of all registered drycleaning facilities.

A review of the DRYCLEANERS list, as provided by EDR, and dated 01/18/2013 has revealed that there is 1 DRYCLEANERS site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
SPA CLEANERS	***92 MILTON AVENUE***	***ENE 1/8 - 1/4 (0.204 mi.)***	***J52***	***145***

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

A review of the EDR MGP list, as provided by EDR, has revealed that there is 1 EDR MGP site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
NIAGARA MOHAWK- BALLSTON SPA M	MILTON AVE.	NE 1/4 - 1/2 (0.254 mi.)	59	183

EDR US Hist Auto Stat: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR US Hist Auto Stat list, as provided by EDR, has revealed that there are 3 EDR US Hist Auto Stat sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	11 CHURCH AVE	ESE 1/8 - 1/4 (0.179 mi.)	I44	127

Lower Elevation	Address	Direction / Distance	Map ID	Page
Not reported	85 BATH ST	NNE 0 - 1/8 (0.121 mi.)	F30	83
Not reported	17 WASHINGTON ST	NE 1/8 - 1/4 (0.176 mi.)	J41	122

EXECUTIVE SUMMARY

EDR US Hist Cleaners: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR US Hist Cleaners list, as provided by EDR, has revealed that there are 2 EDR US Hist Cleaners sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	9 CHURCH AVE	ESE 1/8 - 1/4 (0.178 mi.)	I42	122

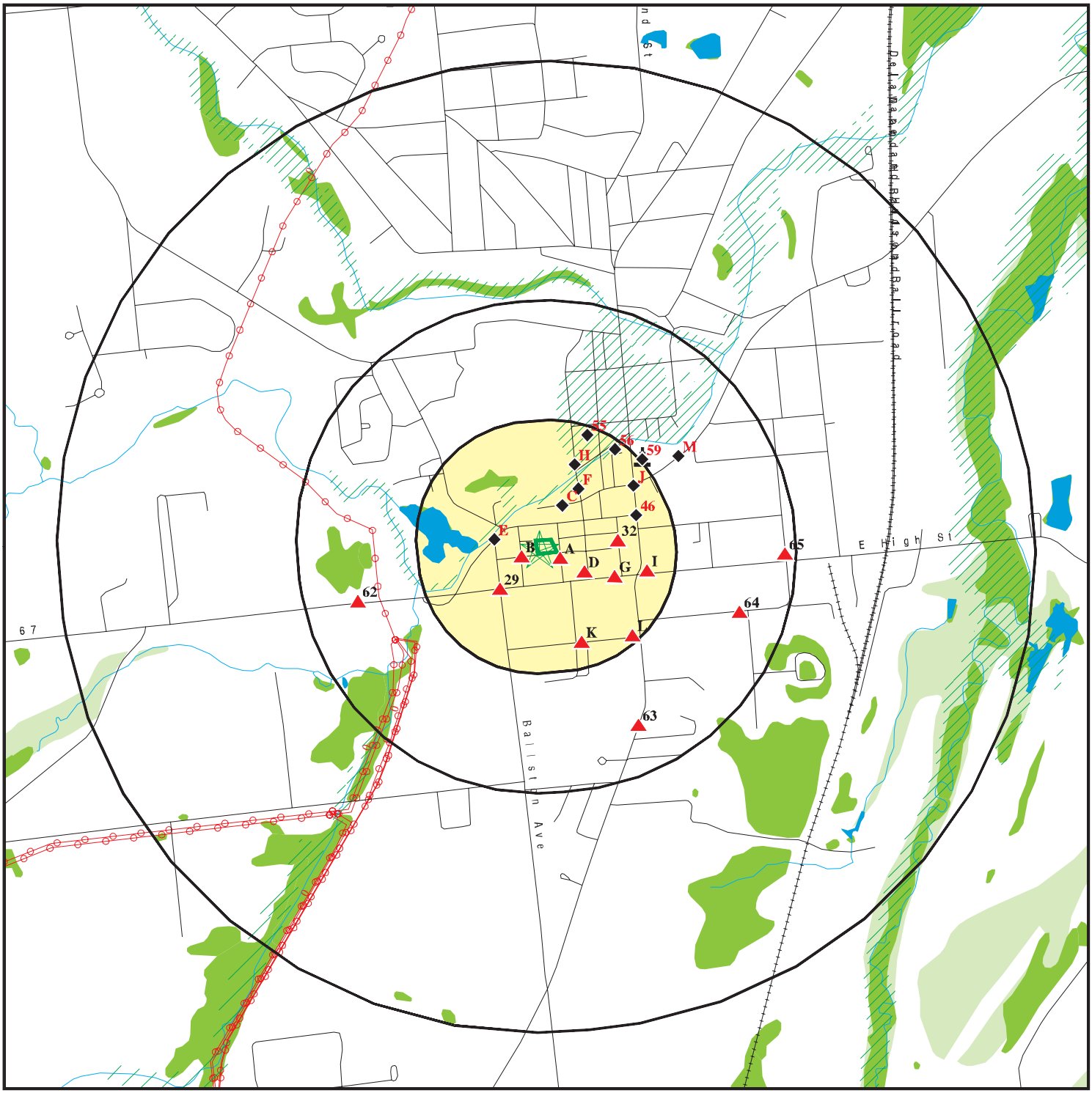
Lower Elevation	Address	Direction / Distance	Map ID	Page
Not reported	92 MILTON AVE	ENE 1/8 - 1/4 (0.204 mi.)	J51	145

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 21 records.

Site Name	Database(s)
NIAGARA MOHAWK POWER CORPORATION	FINDS,RCRA-NLR,MANIFEST
RICKETTS LAUNDERERS AND DRY CLEANE	FINDS,MANIFEST,RCRA-CESQG
VERIZON	MANIFEST
VILLAGE BODY WORKS	MANIFEST
CVS PHARMACY #5389	MANIFEST
ROBOTICS INCORPORATED	FINDS,MANIFEST,RCRA-NLR
TOWN OF MALTA COMPLEX	UST
CURTIS LUMBER CO., INC.	UST
LANE ENTERPRISES, INC.	UST
MOBIL S/S 08-KP8	UST,HIST UST
SARATOGA STADIUM, INC.	UST
NYSDOT BIN 1029190	RCRA-LQG
CVS PHARMACY #5389	RCRA-LQG
POLE TOP 402	SPILLS
MORRIS FORD	SPILLS
CARCO	SPILLS,HIST SPILLS
SUBSATION	SPILLS
CUMBERLAND FARMS # 3161	SPILLS
CUMBERLAND FARMS 3161	SPILLS
SARATOGA LAKE	SPILLS
TAX MAP 221.-1-4.2	SPILLS

OVERVIEW MAP - 3580682.2s



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

0 1/4 1/2 1 Miles

Indian Reservations BIA

Power transmission lines

Oil & Gas pipelines from USGS

100-year flood zone

500-year flood zone

National Wetland Inventory

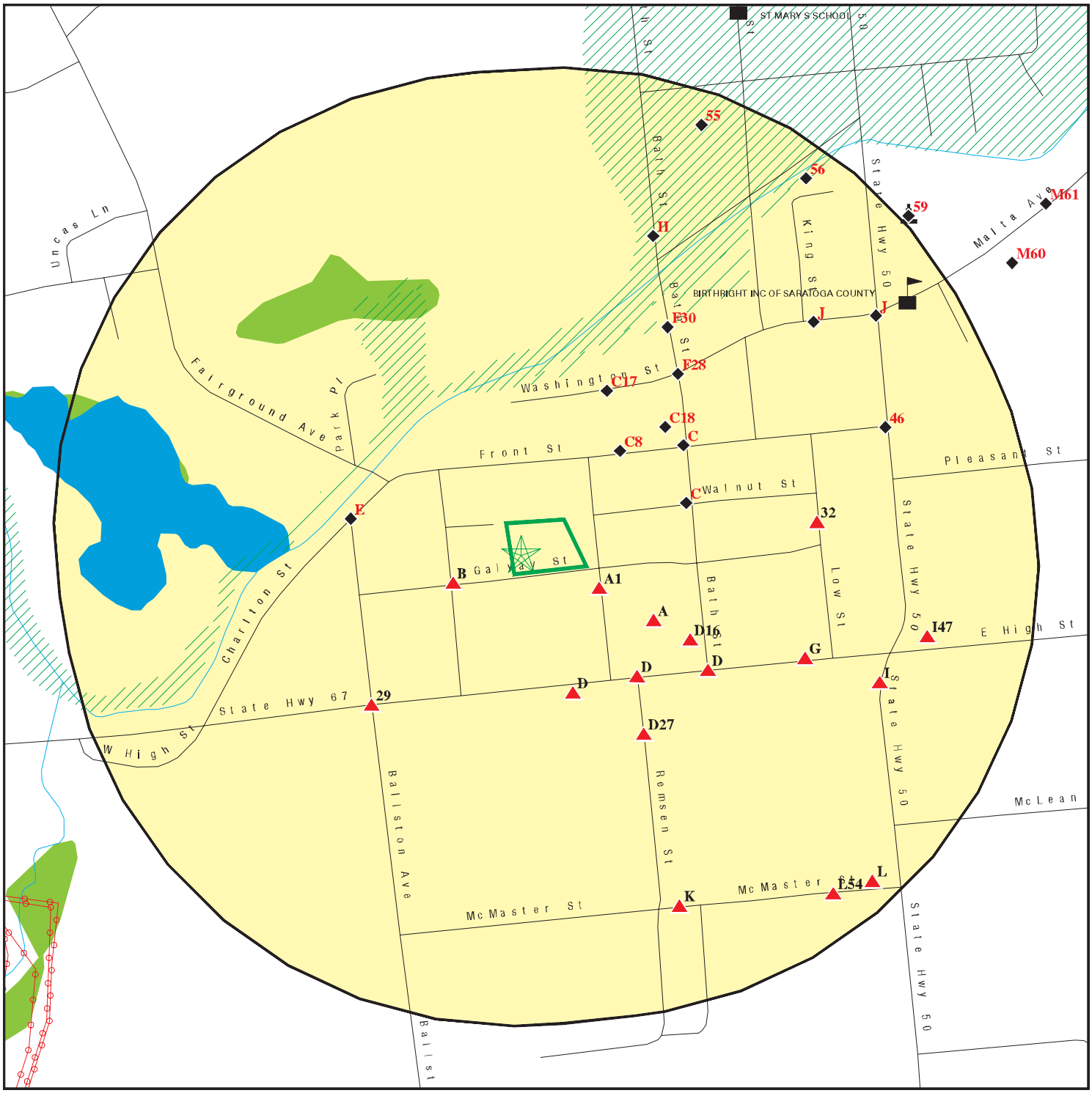
State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Old Agway Store	CLIENT:	URS Corporation
ADDRESS:	61-2 GALWAY ST Ballston Spa NY 12020	CONTACT:	George Kisluk
LAT/LONG:	43.0016 / 73.8528	INQUIRY #:	3580682.2s
		DATE:	April 18, 2013 4:13 pm

Copyright © 2013 EDR, Inc. © 2010 Tele Atlas Rel. 07/2009.

DETAIL MAP - 3580682.2s



0 1/16 1/8 1/4 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Old Agway Store	CLIENT: URS Corporation
ADDRESS: 61-2 GALWAY ST Ballston Spa NY 12020	CONTACT: George Kisluk
LAT/LONG: 43.0016 / 73.8528	INQUIRY #: 3580682.2s DATE: April 18, 2013 4:14 pm

Copyright © 2013 EDR, Inc. © 2010 Tele Atlas Rel. 07/2009.

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
CERCLIS	0.500		0	0	0	NR	NR	0
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site List								
CERC-NFRAP	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-CESQG	0.250		0	1	NR	NR	NR	1
Federal institutional controls / engineering controls registries								
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
LUCIS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent CERCLIS								
SHWS	1.000		0	0	0	0	NR	0
VAPOR REOPENED	1.000		0	0	0	0	NR	0
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
LTANKS	0.500		4	7	4	NR	NR	15
HIST LTANKS	0.500		3	6	5	NR	NR	14
INDIAN LUST	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
State and tribal registered storage tank lists								
TANKS	0.250		0	0	NR	NR	NR	0
UST	0.250		3	7	NR	NR	NR	10
CBS UST	0.250		0	0	NR	NR	NR	0
MOSF UST	0.500		0	0	0	NR	NR	0
AST	0.250		1	1	NR	NR	NR	2
CBS AST	0.250		0	1	NR	NR	NR	1
MOSF AST	0.500		0	0	0	NR	NR	0
MOSF	0.500		0	0	0	NR	NR	0
CBS	0.250		0	1	NR	NR	NR	1
INDIAN UST	0.250		0	0	NR	NR	NR	0
FEMA UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
ENG CONTROLS	0.500		0	0	0	NR	NR	0
INST CONTROL	0.500		0	0	0	NR	NR	0
RES DECL	0.125		0	NR	NR	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
ERP	0.500		0	0	0	NR	NR	0
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
SWTIRE	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL	TP		NR	NR	NR	NR	NR	0
DEL SHWS	1.000		0	0	0	0	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
HIST UST	0.250		2	6	NR	NR	NR	8
HIST AST	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
LIENS	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
NY Spills	0.125		18	NR	NR	NR	NR	18
NY Hist Spills	0.125		12	NR	NR	NR	NR	12
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		2	4	NR	NR	NR	6
DOT OPS	TP		NR	NR	NR	NR	NR	0
DOD	1.000		0	0	0	0	NR	0
FUDS	1.000		0	0	0	0	NR	0
CONSENT	1.000		0	0	0	0	NR	0
ROD	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
HSWDS	0.500		0	0	0	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
MANIFEST	0.250		3	4	NR	NR	NR	7
DRYCLEANERS	0.250		0	1	NR	NR	NR	1
SPDES	TP		NR	NR	NR	NR	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0
E DESIGNATION	0.125		0	NR	NR	NR	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
COAL ASH	0.500		0	0	0	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	1	0	NR	1

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
EDR US Hist Auto Stat	0.250		1	2	NR	NR	NR	3
EDR US Hist Cleaners	0.250		0	2	NR	NR	NR	2

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1
ESE
< 1/8
0.014 mi.
73 ft.

BALLSTON PRINTING CO INC — **RCRA NonGen / NLR** — **1004759033**
33 SCIENCE ST — **FINDS** — **NYD987037116**
BALLSTON SPA, NY 12020

Site 1 of 3 in cluster A

Relative:
Higher

Actual:
302 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	BALLSTON PRINTING CO INC
Facility address:	33 SCIENCE ST BALLSTON SPA, NY 120201756
EPA ID:	NYD987037116
Mailing address:	SCIENCE ST BALLSTON SPA, NY 120201756
Contact:	CHARLES HOGAN
Contact address:	SCIENCE ST BALLSTON SPA, NY 120201756
Contact country:	US
Contact telephone:	(518) 885-8964
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	CHARLES HOGAN
Owner/operator address:	33 SCIENCE ST BALLSTON SPA, NY 12020
Owner/operator country:	US
Owner/operator telephone:	(518) 885-8964
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	CHARLES HOGAN
Owner/operator address:	33 SCIENCE ST BALLSTON SPA, NY 12020
Owner/operator country:	US
Owner/operator telephone:	(518) 885-8964
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No

BALLSTON PRINTING CO INC (Continued) **1004759033**

Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: BALLSTON PRINTING CO INC
Classification: Not a generator, verified

Date form received by agency: 07/06/1993
Facility name: BALLSTON PRINTING CO INC
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110004506534

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

B2 **COUCH RESIDENCE** **NY Spills S102117217**
WSW **24 COURT ST.** **NY Hist Spills N/A**
< 1/8 **BALLSTON SPA, NY**
0.034 mi.
180 ft. **Site 1 of 4 in cluster B**

Relative:
Higher

Actual:
289 ft.

SPILLS:
Facility ID: 9205024
DER Facility ID: 140959
Facility Type: ER
Site ID: 183328
DEC Region: 5
Spill Date: 7/31/1992
Spill Number/Closed Date: 9205024 / 12/13/1993
Spill Cause: Unknown
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Unable/unwilling Responsible Party. Corrective action taken. (ISR)
SWIS: 4600
Investigator: WRJESMOR
Referred To: Not reported
Reported to Dept: 7/31/1992
CID: Not reported
Water Affected: Not reported
Spill Source: Unknown
Spill Notifier: Affected Persons
Cleanup Ceased: 12/13/1993
Cleanup Meets Std: True
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: False

COUCH RESIDENCE (Continued) **S102117217**

Remediation Phase:	0
Date Entered In Computer:	8/5/1992
Spill Record Last Update:	8/23/2001
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "BJ/SL"07/31/92: SL investigated odors noted in basement, coming in through water line in basement wall. Odors also noted in storm sewer in street. Talked with Charles Godin, owner Ballston Printing. Printing Press operating at time of incident. Concern over where sink drains are connected, may be to storm sewer.08/09/92: SL/TS on site in August '92 to dye test Ballston Printing. Confirmed drains go to sanitary swerer and not to storm sewer. May still be source of fumes in the house.03/05/93: No further complaints from home owner. Attorney General has contacted this office several times for information. Appears to be doing their own investigation into Ballston Printing disposal practices.RFC: No further action. Will re-open under another spill number when and if indoor air problem reoccurs at the Couch Residence.11/03/93: Reoccurrance; reopened the spill, found it to be caused by print shop dumping solvents in the sanitary sewer. Notified Saratoga County Sewer of practice and they issued cease order to print shop. See also spill #s 9204907, 9302828.RFC: Vapors ceased; homeowner will call again if they return.
Remarks:	Unknown substance; smells like paint thinner.

Material:

Site ID:	183328
Operable Unit ID:	968675
Operable Unit:	01
Material ID:	409265
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

NY Hist Spills:

Region of Spill:	5
Spill Number/Closed Date:	9205024 / 12/13/93
Investigator:	BJ/SL
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported

COUCH RESIDENCE (Continued) **S102117217**

Notifier Phone: Not reported
Spill Date/Time: 07/31/1992 12:00
Reported to Dept Date/Time: 07/31/92 21:49
SWIS: 41
Spiller Name: UNKNOWN
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Address: Not reported
Spiller City,St,Zip: Not reported
Spill Cause: Unknown
Reported to Dept: Air
Water Affected: Not reported
Spill Source: 12
Spill Notifier: Affected Persons
PBS Number: Not reported
Cleanup Ceased: 12/13/93
Cleanup Meets Std: True
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Unable/unwilling Responsible Party. Corrective action taken. (ISR)
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 08/05/92
Date Spill Entered In Computer Data File: Not reported
Update Date: 08/23/01
Is Updated: False

Tank:

Material:
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: True
Material: UNKNOWN PETROLEUM
Class Type: UNKNOWN PETROLEUM
Times Material Entry In File: 16414
CAS Number: Not reported
Last Date: 19940929
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: True
Material: UNKNOWN PETROLEUM
Class Type: UNKNOWN PETROLEUM
Times Material Entry In File: 16414
CAS Number: Not reported
Last Date: 19940929
DEC Remarks: 07/31/92: SL investigated odors noted in basement, coming in through water

COUCH RESIDENCE (Continued) **S102117217**

line in basement wall. Odors also noted in storm sewer in street. Talked with Charles Godin, owner Ballston Printing. Printing Press operating at time of incident. Concern over where sink drains are connected, may be to storm sewer. 08/09/92: SL/TS on site in August 92 to dye test Ballston Printing. Confirmed drains go to sanitary swerer and not to storm sewer. May still be source of fumes in the house. 03/05/93: No further complaints from home owner. Attorney General has contacted this office several times for information. Appears to be doing their own investigation into Ballston Printing disposal practices. RFC: No further action. Will re-open under another spill number when and if indoor air problem reoccurs at the Couch Residence. 11/03/93: Reoccurrance; reopened the spill, found it to be caused by print shop dumping solvents in the sanitary sewer. Notified Saratoga County Sewer of practice and they issued cease order to print shop. See also spill s 9204907, 9302828. RFC: Vapors ceased; homeowner will call again if they return.

Remark: Unknown substance; smells like paint thinner.

B3 **BALLSTON PRINTING** **NY Spills** **S102120400**
WSW **24 COURT ST.** **NY Hist Spills** **N/A**
< 1/8 **BALLSTON SPA, NY**
0.034 mi.
180 ft. **Site 2 of 4 in cluster B**

Relative:
Higher

Actual:
289 ft.

SPILLS:

Facility ID:	9503589
DER Facility ID:	140959
Facility Type:	ER
Site ID:	183329
DEC Region:	5
Spill Date:	6/22/1995
Spill Number/Closed Date:	9503589 / 1/16/1996
Spill Cause:	Deliberate
Spill Class:	Known release that creates a file or hazard. DEC Response. Unknown Responsible Party. Corrective action taken. (ISR)
SWIS:	4600
Investigator:	HETZLER
Referred To:	Not reported
Reported to Dept:	6/22/1995
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Citizen
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	True
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	6/23/1995
Spill Record Last Update:	8/23/2001
Spiller Name:	Not reported
Spiller Company:	BALLSTON PRINTING CO.
Spiller Address:	33 SCIENCE ST.
Spiller City,St,Zip:	BALLSTON SPA, NY 12020
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was

BALLSTON PRINTING (Continued) **S102120400**

"PH"PH investigated. Vapors entered a residence, creating a serious explosion hazard. Analysis of wastewater downgradient from Ballston Printing, between Ballston Printing and the affected residence, shows the material spilled is very similar to chemical compsition to one of the solvents used at Ballston Printing.When Ballston Spa Fire Department arrived on scene, the wastewater was a dark blue or black. Spill pads put in sewer were blackened. Ballston Printing was using black ink that evening.RFC: Spill cleaned up; no further action.01/23/96: Final ISR to Albany.

Remarks: Ballston Printing Company is pouring solvents into sewer. Vapors backing up into house. LEL in house 45%. LEL in sewer 38%. Solvents: tetrachlorethylene, trichlor, meth. chloroform, T,E,X, C8+vol

Material:

Site ID:	183329
Operable Unit ID:	1014820
Operable Unit:	01
Material ID:	365093
Material Code:	0059A
Material Name:	SOLVENTS
Case No.:	Not reported
Material FA:	Other
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False
Site ID:	183329
Operable Unit ID:	1014820
Operable Unit:	01
Material ID:	365094
Material Code:	0582A
Material Name:	INK
Case No.:	Not reported
Material FA:	Other
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

NY Hist Spills:

Region of Spill:	5
Spill Number/Closed Date:	9503589 / 01/16/96
Investigator:	PH
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	06/22/1995 18:00
Reported to Dept Date/Time:	06/22/95 20:05
SWIS:	41

BALLSTON PRINTING (Continued) **S102120400**

Spiller Name: BALLSTON PRINTING CO.
Spiller Contact: Not reported
Spiller Phone: (518) 885-8964
Spiller Address: 33 SCIENCE ST.
Spiller City,St,Zip: BALLSTON SPA, NY 12020
Spill Cause: Deliberate
Reported to Dept: In Sewer
Water Affected: Not reported
Spill Source: 01
Spill Notifier: Citizen
PBS Number: Not reported
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release that creates a file or hazard. DEC Response. Unknown Responsible Party. Corrective action taken. (ISR)
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: 01/26/96
Date Spill Entered In Computer Data File: 06/23/95
Date Spill Entered In Computer Data File: Not reported
Update Date: 08/23/01
Is Updated: False

Tank:

Material:
Material Class Type: Hazardous Material
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: True
Material: SOLVENTS
Class Type: SOLVENTS
Times Material Entry In File: 424
CAS Number: Not reported
Last Date: 19940928
Material Class Type: Hazardous Material
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: True
Material: INK
Class Type: INK
Times Material Entry In File: 30
CAS Number: Not reported
Last Date: Not reported
Material Class Type: Hazardous Material
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0

BALLSTON PRINTING (Continued) **S102120400**

Unkonwn Quantity Recovered: True
Material: SOLVENTS
Class Type: SOLVENTS
Times Material Entry In File: 424
CAS Number: Not reported
Last Date: 19940928
Material Class Type: Hazardous Material
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: True
Material: INK
Class Type: INK
Times Material Entry In File: 30
CAS Number: Not reported
Last Date: Not reported
DEC Remarks: PH investigated. Vapors entered a residence, creating a serious explosion ha ard. Analysis of wastewater downgradient from Ballston Printing, between Ballston Printing and the affected residence, shows the material spilled is very similar to chemical compsition to one of the solvents used at Ballston Printing. When Ballston Spa Fire Department arrived on scene, the wastewater was a dark blue or black. Spill pads put in sewer were blackened. Ballston Printing was using black ink that evening. RFC: Spill cleaned up; no further action. 01/23/96: Final ISR to Albany.
Remark: Ballston Printing Company is pouring solvents into sewer. Vapors backing up into house. LEL in house 45 . LEL in sewer 38 . Solvents: tetrachlorethylene, trichlor, meth. chloroform, T,E,X, C8+vol

---

B4 **JULIE COUCH RESIDENCE** **NY Spills** **S102119298**
WSW **24 COURT STREET** **NY Hist Spills** **N/A**
< 1/8 **BALLSTON SPA, NY**
0.034 mi.
180 ft. **Site 3 of 4 in cluster B**

Relative:
Higher

Actual:
289 ft.

SPILLS:
Facility ID: 9302768
DER Facility ID: 140959
Facility Type: ER
Site ID: 167298
DEC Region: 5
Spill Date: 5/3/1993
Spill Number/Closed Date: 9302768 / 6/9/1993
Spill Cause: Deliberate
Spill Class: Known release that creates a file or hazard. (Highly Improbable)
SWIS: 4600
Investigator: WRJESMOR
Referred To: Not reported
Reported to Dept: 5/3/1993
CID: Not reported
Water Affected: Not reported
Spill Source: Private Dwelling
Spill Notifier: Affected Persons
Cleanup Ceased: 6/9/1993
Cleanup Meets Std: True
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: False

JULIE COUCH RESIDENCE (Continued) **S102119298**

Remediation Phase:	0
Date Entered In Computer:	6/10/1993
Spill Record Last Update:	1/11/2001
Spiller Name:	Not reported
Spiller Company:	BALLSTON PRINTING?
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "BJ"05/03/93: BJ on site; definite odor in basement and in sanitary sewer manhole. Smelled like solvents. BJ contacted Bob Elze, AG's office. Will pursue enforcement action.RFC: No further action required at this time.
Remarks:	Odor in basement and santitary sewer.

Material:

Site ID:	167298
Operable Unit ID:	981084
Operable Unit:	01
Material ID:	399879
Material Code:	0059A
Material Name:	SOLVENTS
Case No.:	Not reported
Material FA:	Other
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	9302828
DER Facility ID:	140959
Facility Type:	ER
Site ID:	167299
DEC Region:	5
Spill Date:	5/3/1993
Spill Number/Closed Date:	9302828 / 8/20/1993
Spill Cause:	Deliberate
Spill Class:	Known release that creates a file or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4600
Investigator:	WRJESMOR
Referred To:	Not reported
Reported to Dept:	5/3/1993
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Affected Persons
Cleanup Ceased:	8/20/1993
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False

JULIE COUCH RESIDENCE (Continued) **S102119298**

UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	6/9/1993
Spill Record Last Update:	1/11/2001
Spiller Name:	Not reported
Spiller Company:	BALLSTON PRINTING CO.?
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "BJ"Site has a history of sporadic odors coinciding with Ballston Printing Company dumping. Pursuing enforcement and discontinuation of dumping practice with aid of Saratoga County Sewer District and Bob Elze of the AG's office.
Remarks:	Sanitary sewer with strong solvent-type odors.

Material:

Site ID:	167299
Operable Unit ID:	984834
Operable Unit:	01
Material ID:	399935
Material Code:	0064A
Material Name:	UNKNOWN MATERIAL
Case No.:	Not reported
Material FA:	Other
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Click this hyperlink while viewing on your computer to access additional NY_SPILL: detail in the EDR Site Report.

NY Hist Spills:

Region of Spill:	5
Spill Number/Closed Date:	9302768 / 06/09/93
Investigator:	BJ
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	05/03/1993 12:00
Reported to Dept Date/Time:	05/03/93 18:00
SWIS:	41
Spiller Name:	BALLSTON PRINTING?
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported

JULIE COUCH RESIDENCE (Continued) **S102119298**

Spill Cause: Deliberate
Reported to Dept: In Sewer
Water Affected: Not reported
Spill Source: 09
Spill Notifier: Affected Persons
PBS Number: Not reported
Cleanup Ceased: 06/09/93
Cleanup Meets Std: True
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release that creates a file or hazard. (Highly Improbable)
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 06/10/93
Date Spill Entered In Computer Data File: Not reported
Update Date: 01/11/01
Is Updated: False

Tank:

Material:
Material Class Type: Hazardous Material
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: True
Material: SOLVENTS
Class Type: SOLVENTS
Times Material Entry In File: 424
CAS Number: Not reported
Last Date: 19940928
Material Class Type: Hazardous Material
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: True
Material: SOLVENTS
Class Type: SOLVENTS
Times Material Entry In File: 424
CAS Number: Not reported
Last Date: 19940928
DEC Remarks: 05/03/93: BJ on site; definite odor in basement and in sanitary sewer manhole. Smelled like solvents. BJ contacted Bob El e, AG s office. Will pursue enforcement action. RFC: No further action required at this time.
Remark: Odor in basement and santitary sewer.

Region of Spill: 5
Spill Number/Closed Date: 9302828 / 08/20/93
Investigator: BJ
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported

JULIE COUCH RESIDENCE (Continued) **S102119298**

Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	05/03/1993 08:00
Reported to Dept Date/Time:	05/03/93 19:00
SWIS:	41
Spiller Name:	BALLSTON PRINTING CO.?
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spill Cause:	Deliberate
Reported to Dept:	In Sewer
Water Affected:	Not reported
Spill Source:	01
Spill Notifier:	Affected Persons
PBS Number:	Not reported
Cleanup Ceased:	08/20/93
Cleanup Meets Std:	True
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release that creates a file or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	06/09/93
Date Spill Entered In Computer Data File:	Not reported
Update Date:	01/11/01
Is Updated:	False

Tank:

Material:

Material Class Type:	Raw Sewage
Quantity Spilled:	0
Unkonwn Quantity Spilled:	True
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	True
Material:	UNKNOWN MATERIAL
Class Type:	UNKNOWN MATERIAL
Times Material Entry In File:	9140
CAS Number:	Not reported
Last Date:	19941109
Material Class Type:	Raw Sewage
Quantity Spilled:	0
Unkonwn Quantity Spilled:	True
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	True
Material:	UNKNOWN MATERIAL
Class Type:	UNKNOWN MATERIAL
Times Material Entry In File:	9140
CAS Number:	Not reported

JULIE COUCH RESIDENCE (Continued) **S102119298**

Last Date: 19941109
DEC Remarks: Site has a history of sporadic odors coinciding with Ballston Printing Company dumping. Pursuing enforcement and discontinuation of dumping practice with aid of Saratoga County Sewer District and Bob El e of the AG s office.
Remark: Sanitary sewer with strong solvent-type odors.

B5 **JULIE COUCH RES.** **NY Spills** **S103561669**
WSW **24 COURT STREET** **NY Hist Spills** **N/A**
< 1/8 **BALLSTON SPA, NY**
0.034 mi.
180 ft. **Site 4 of 4 in cluster B**

Relative:
Higher

Actual:
289 ft.

SPILLS:
Facility ID: 9204907
DER Facility ID: 140959
Facility Type: ER
Site ID: 167297
DEC Region: 5
Spill Date: 7/28/1992
Spill Number/Closed Date: 9204907 / 11/3/1993
Spill Cause: Other
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Unable/unwilling Responsible Party. Corrective action taken. (ISR)
SWIS: 4600
Investigator: WRJESMOR
Referred To: Not reported
Reported to Dept: 7/28/1992
CID: Not reported
Water Affected: Not reported
Spill Source: Railroad Car
Spill Notifier: Citizen
Cleanup Ceased: 11/3/1993
Cleanup Meets Std: True
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: 7/29/1992
Spill Record Last Update: 10/27/2000
Spiller Name: Not reported
Spiller Company: ?POSS. AGWAY FARM STORE
Spiller Address: 24 COURT ST.
Spiller City,St,Zip: BALLSTON SPA, NY 12020-
Spiller Company: 001
Contact Name: Not reported
Contact Phone: Not reported
DEC Memo: Prior to Sept, 2004 data translation this spill Lead_DEC Field was "BJ/SL"
Remarks: Down hill and behind Agway Farm Store (burned); paint thinner smell in basement on occasion. Not present now. Comes and goes with weather, especially rain. Last noticed 2 weeks ago. Also concerned about soil contamination from Agway fire. Young children in family with on-site day care.

Material:
Site ID: 167297
Operable Unit ID: 972418
Operable Unit: 01

JULIE COUCH RES. (Continued) **S103561669**

Material ID:	409149
Material Code:	0064A
Material Name:	UNKNOWN MATERIAL
Case No.:	Not reported
Material FA:	Other
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

NY Hist Spills:

Region of Spill:	5
Spill Number/Closed Date:	9204907 / 11/03/93
Investigator:	BJ/SL
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	07/28/1992 09:30
Reported to Dept Date/Time:	07/28/92 09:30
SWIS:	41
Spiller Name:	?POSS. AGWAY FARM STORE
Spiller Contact:	Not reported
Spiller Phone:	(518) 885-2675
Spiller Address:	24 COURT ST.
Spiller City,St,Zip:	BALLSTON SPA, NY 12020-
Spill Cause:	Other
Reported to Dept:	Air
Water Affected:	Not reported
Spill Source:	11
Spill Notifier:	Citizen
PBS Number:	Not reported
Cleanup Ceased:	11/03/93
Cleanup Meets Std:	True
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Unable/unwilling Responsible Party. Corrective action taken. (ISR)
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	07/29/92
Date Spill Entered In Computer Data File:	Not reported
Update Date:	10/27/00
Is Updated:	False

Tank:

JULIE COUCH RES. (Continued) **S103561669**

Material:
Material Class Type: Raw Sewage
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: True
Material: UNKNOWN MATERIAL
Class Type: UNKNOWN MATERIAL
Times Material Entry In File: 9140
CAS Number: Not reported
Last Date: 19941109
Material Class Type: Raw Sewage
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: True
Material: UNKNOWN MATERIAL
Class Type: UNKNOWN MATERIAL
Times Material Entry In File: 9140
CAS Number: Not reported
Last Date: 19941109
DEC Remarks: Not reported
Remark: Down hill and behind Agway Farm Store burned); paint thinner smell in basement on occasion. Not present now. Comes and goes with weather, especially rain. Last noticed 2 weeks ago. Also concerned about soil contamination from Agway fire. Youngchildren in family with on-site day care.

A6 **COUNTY BUILDING** **NY Spills** **S102117695**
ESE **PARKING LOT** **NY Hist Spills** **N/A**
< 1/8 **BALLSTON SPA, NY**
0.048 mi.
251 ft. **Site 2 of 3 in cluster A**

Relative:
Higher

Actual:
315 ft.

SPILLS:
Facility ID: 8607193
DER Facility ID: 283655
Facility Type: ER
Site ID: 159359
DEC Region: 5
Spill Date: 2/25/1987
Spill Number/Closed Date: 8607193 / 12/7/1988
Spill Cause: Unknown
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS: 4620
Investigator: BRADLEY
Referred To: Not reported
Reported to Dept: 2/25/1987
CID: Not reported
Water Affected: Not reported
Spill Source: Unknown
Spill Notifier: Affected Persons
Cleanup Ceased: 5/21/1987
Cleanup Meets Std: True
Last Inspection: 3/2/1987

COUNTY BUILDING (Continued) **S102117695**

Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	3/5/1987
Spill Record Last Update:	7/26/2007
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Not reported
Remarks:	AT OR NEAR PARKING LOT OF COUNTY BLDG., W. HIGH ST., COUNTY HAS TANKS THERE. GAS ODOR IN STORM SEWERS, EXPLOSIVE READINGS ADVISED. TO FA 9/21/87. COST $516.50

Material:

Site ID:	159359
Operable Unit ID:	904954
Operable Unit:	01
Material ID:	472714
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

NY Hist Spills:

Region of Spill:	5
Spill Number/Closed Date:	8607193 / 12/07/88
Investigator:	GB
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	02/25/1987 00:01
Reported to Dept Date/Time:	02/25/87 15:35
SWIS:	41
Spiller Name:	UNKNOWN
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spill Cause:	Unknown
Reported to Dept:	In Sewer
Water Affected:	Not reported
Spill Source:	12

COUNTY BUILDING (Continued) **S102117695**

Spill Notifier: Affected Persons
PBS Number: Not reported
Cleanup Ceased: 05/21/87
Cleanup Meets Std: True
Last Inspection: 03/02/87
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Not reported
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: 05/25/87
Date Spill Entered In Computer Data File: 03/05/87
Date Spill Entered In Computer Data File: Not reported
Update Date: 06/23/99
Is Updated: False

Tank:

Material:
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: GASOLINE
Class Type: GASOLINE
Times Material Entry In File: 21329
CAS Number: Not reported
Last Date: 19940929
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: GASOLINE
Class Type: GASOLINE
Times Material Entry In File: 21329
CAS Number: Not reported
Last Date: 19940929
DEC Remarks: 10/04/95: This is additional information about material spilled from the translation of the old spill file: ODOR.
Remark: AT OR NEAR PARKING LOT OF COUNTY BLDG., W. HIGH ST., COUNTY HAS TANKS THERE. GAS ODOR IN STORM SEWERS, EXPLOSIVE READINGS ADVISED. TO FA 9/21/87. COST 516.50

A7 **SARA COUNTY COMPLEX BLDG5** **NY Spills** **S102116543**
ESE **WEST HIGH STREET** **NY Hist Spills** **N/A**
< 1/8 **BALLSTON SPA, NY**
0.048 mi.
251 ft. **Site 3 of 3 in cluster A**

Relative:
Higher

Actual:
315 ft.

SPILLS:

Facility ID:	9101566
DER Facility ID:	92840
Facility Type:	ER
Site ID:	105195
DEC Region:	5
Spill Date:	5/8/1991
Spill Number/Closed Date:	9101566 / 6/2/1999
Spill Cause:	Unknown
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Unknown Responsible Party. Corrective action taken. (ISR)
SWIS:	4600
Investigator:	AWSTEMP
Referred To:	Not reported
Reported to Dept:	5/8/1991
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Police Department
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	5/13/1991
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	5/22/1991
Spill Record Last Update:	3/22/2000
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "AS"- MM/HO/SM/TSSee also spill 911315905/09/91: Another complaint of gasoline odors in Bldg #2 of Saratoga County Complex. TS and BJ on site. FD has evacuated affected rea. As in past, no visible sheen at effluent. FD flushed sewer system, alleviated problem.A possible source was found at Bulding #5 on Bath Street, where an old recovery well had 1/4" of product on it. Sample taken to lab. DOH on site; media involved.05/10/91: TS and SL attended meeting with County officials. FD and DOH discussing problem.05/13/91: TS and SL on site; toured building with DOH; no odors detected except in manhole along Bath Street.05/14/91: Letter to County requesting pump-and-treat06/02/99: May 1999 laboratory analytical results reviewed. Contaminant concentrations significantly decreased; no odor complaints since pumping recovery wells was suspended in November 1998. No evidence of petroleum vapor impacts to adjacent buildings. No known groundwater supplies which may be impacted by residual petroleum contamination.RFC: no further investigation or remediation work necessary.08/11/99: Final ISR sent to Albany.
Remarks:	Complaint of gasoline odors.

SARA COUNTY COMPLEX BLDG5 (Continued) **S102116543**

Material:

Site ID:	105195
Operable Unit ID:	952673
Operable Unit:	01
Material ID:	559213
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

NY Hist Spills:

Region of Spill:	5
Spill Number/Closed Date:	9101566 / 06/02/99
Investigator:	AS
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	05/08/1991 10:00
Reported to Dept Date/Time:	05/08/91 10:35
SWIS:	41
Spiller Name:	UNKNOWN
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spill Cause:	Unknown
Reported to Dept:	Air
Water Affected:	Not reported
Spill Source:	12
Spill Notifier:	Police Department
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	05/13/91
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Unknown Responsible Party. Corrective action taken. (ISR)
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	08/11/99
Date Spill Entered In Computer Data File:	05/22/91
Date Spill Entered In Computer Data File:	Not reported

SARA COUNTY COMPLEX BLDG5 (Continued) **S102116543**

Update Date: 03/22/00
Is Updated: False

Tank:

Material:
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: True
Material: UNKNOWN PETROLEUM
Class Type: UNKNOWN PETROLEUM
Times Material Entry In File: 16414
CAS Number: Not reported
Last Date: 19940929
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: True
Material: UNKNOWN PETROLEUM
Class Type: UNKNOWN PETROLEUM
Times Material Entry In File: 16414
CAS Number: Not reported
Last Date: 19940929
DEC Remarks: - MM/HO/SM/TS See also spill 9113159 05/09/91: Another complaint of gasoline odors in Bldg 2 of Saratoga County Complex. TS and BJ on site. FD has evacuated affected rea. As in past, no visible sheen at effluent. FD flushed sewer system, alleviated problem. A possible source was found at Bulding 5 on Bath Street, where an old recovery well had 1/4 of product on it. Sample taken to lab. DOH on site; media involved. 05/10/91: TS and SL attended meeting with County officials. FD and DOH discussing problem. 05/13/91: TS and SL on site; toured building with DOH; no odors detected except in manhole along Bath Street. 05/14/91: Letter to County requesting pump-and-treat 06/02/99: May 1999 laboratory analytical results reviewed. Contaminant concentrations significantly decreased; no odor complaints since pumping recovery wells was suspended in November 1998. No evidence of petroleum vapor impacts to adjacent buildings. No known groundwater supplieswhich may be impacted by residual petroleum contamination. RFC: no further investigation or remediation work necessary. 08/11/99: Final ISR sent to Albany.
Remark: Complaint of gasoline odors.

C8 **DENTIST OFFICE** **NY Spills** **S102117441**
NE **FRONT & SCIENCE STREETS** **NY Hist Spills** **N/A**
< 1/8 **BALLSTON SPA, NY**
0.049 mi.
258 ft. **Site 1 of 7 in cluster C**

Relative:
Lower

Actual:
272 ft.

SPILLS:
Facility ID: 9211963
DER Facility ID: 154876
Facility Type: ER
Site ID: 185146
DEC Region: 5
Spill Date: 1/1/1993

DENTIST OFFICE (Continued) **S102117441**

Spill Number/Closed Date:	9211963 / 1/25/1993
Spill Cause:	Unknown
Spill Class:	Known release that creates potential for fire or hazard. (Minimal Occurrence)
SWIS:	4600
Investigator:	WRJESMOR
Referred To:	Not reported
Reported to Dept:	1/7/1993
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Affected Persons
Cleanup Ceased:	1/25/1993
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1/25/1993
Spill Record Last Update:	11/13/2000
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "BJ"Caller may buy property; however, sometimes has odors in office. Concerned because property is close to Ballston Spa County buildings and old Agway fire site. Building inspector referred her to DEC. BJ on site, not much water in basement. Some contamination on 275 #2 oil tank in basement, leaking joints, no major problem. Calcium-laden water comes through the wall near tank. When it dries, it leaves white, brittle scale on floor. Couldn't find any problems, told her to call the next time there was water in the basement.
Remarks:	Water coming into basement; sometimes has odor.

Material:

Site ID:	185146
Operable Unit ID:	976540
Operable Unit:	01
Material ID:	405345
Material Code:	0064A
Material Name:	UNKNOWN MATERIAL
Case No.:	Not reported
Material FA:	Other
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

DENTIST OFFICE (Continued) **S102117441**

NY Hist Spills:

Region of Spill:	5
Spill Number/Closed Date:	9211963 / 01/25/93
Investigator:	BJ
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	01/01/1993 08:00
Reported to Dept Date/Time:	01/07/93 15:00
SWIS:	41
Spiller Name:	UNKNOWN
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spill Cause:	Unknown
Reported to Dept:	Groundwater
Water Affected:	Not reported
Spill Source:	12
Spill Notifier:	Affected Persons
PBS Number:	Not reported
Cleanup Ceased:	01/25/93
Cleanup Meets Std:	True
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release that creates potential for fire or hazard. (Minimal Occurrence)
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	01/25/93
Date Spill Entered In Computer Data File:	Not reported
Update Date:	11/13/00
Is Updated:	False

Tank:

Material:

Material Class Type:	Raw Sewage
Quantity Spilled:	0
Unkonwn Quantity Spilled:	True
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	True
Material:	UNKNOWN MATERIAL
Class Type:	UNKNOWN MATERIAL
Times Material Entry In File:	9140
CAS Number:	Not reported
Last Date:	19941109
Material Class Type:	Raw Sewage
Quantity Spilled:	0
Unkonwn Quantity Spilled:	True

DENTIST OFFICE (Continued) **S102117441**

Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: True
Material: UNKNOWN MATERIAL
Class Type: UNKNOWN MATERIAL
Times Material Entry In File: 9140
CAS Number: Not reported
Last Date: 19941109
DEC Remarks: Caller may buy property; however, sometimes has odors in office. Concerned because property is close to Ballston Spa County buildings and old Agway fire site. Building inspector referred her to DEC. BJ on site, not much water in basement. Some contamination on 275 2 oil tank in basement, leaking joints, no major problem. Calcium-laden water comes through the wall near tank. When it dries, it leaves white, brittle scale on floor. Couldn t find any problems, told her to call the next timethere was water in the basement.
Remark: Water coming into basement; sometimes has odor.

C9 **PRESSROOM THE** **RCRA NonGen / NLR** **1004759043**
ENE **35 BATH ST** **FINDS** **NYD987037413**
< 1/8 **BALLSTON SPA, NY 12020** **MANIFEST**
0.065 mi.
342 ft. **Site 2 of 7 in cluster C**

Relative:
Lower

Actual:
282 ft.

RCRA NonGen / NLR:
Date form received by agency: 01/01/2007
Facility name: PRESSROOM THE
Facility address: 35 BATH ST
BALLSTON SPA, NY 12020
EPA ID: NYD987037413
Mailing address: BATH ST
BALLSTON SPA, NY 12820
Contact: C ERIC BUTLER
Contact address: BATH ST
BALLSTON SPA, NY 12820
Contact country: US
Contact telephone: (518) 885-8526
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: GINO BARDI
Owner/operator address: 28 MARION PL
SARATOGA SPRINGS, NY 12806
Owner/operator country: US
Owner/operator telephone: (518) 583-1678
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: GINO BARDI
Owner/operator address: 28 MARION PL
SARATOGA SPRINGS, NY 12806
Owner/operator country: US
Owner/operator telephone: (518) 583-1678

PRESSROOM THE (Continued) **1004759043**

Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: PRESSROOM THE
Classification: Not a generator, verified

Date form received by agency: 10/02/2002
Facility name: PRESSROOM THE
Classification: Unverified

Date form received by agency: 07/12/1993
Facility name: PRESSROOM THE
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110006448530

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:
EPA ID: NYD987037413
Country: USA
Mailing Name: PRESSROOM
Mailing Contact: THE PRESSROOM
Mailing Address: 35 BATH ST

PRESSROOM THE (Continued) **1004759043**

Mailing Address 2:	Not reported
Mailing City:	BALLSTON SPA
Mailing State:	NY
Mailing Zip:	12020
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	518-885-8526

Document ID:	NYG1265256
Manifest Status:	Not reported
Trans1 State ID:	CTD021816889
Trans2 State ID:	Not reported
Generator Ship Date:	07/30/1999
Trans1 Recv Date:	07/30/1999
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	08/02/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD987037413
Trans1 EPA ID:	NYD080469935
Trans2 EPA ID:	Not reported
TSDF ID:	J24875
Waste Code:	F003 - UNKNOWN
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	01.00
Year:	99

Document ID:	NYG3513465
Manifest Status:	Not reported
Trans1 State ID:	CTD021816889
Trans2 State ID:	Not reported
Generator Ship Date:	12/30/2002
Trans1 Recv Date:	12/30/2002
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	12/30/2002
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD987037413
Trans1 EPA ID:	NYD080469935
Trans2 EPA ID:	Not reported
TSDF ID:	J89974CT
Waste Code:	F003 - UNKNOWN
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	2002

PRESSROOM THE (Continued) **1004759043**

Document ID:	NJA1547353
Manifest Status:	Completed copy
Trans1 State ID:	ILP39085
Trans2 State ID:	NJDEPS869
Generator Ship Date:	930806
Trans1 Recv Date:	930806
Trans2 Recv Date:	930809
TSD Site Recv Date:	930809
Part A Recv Date:	930818
Part B Recv Date:	930820
Generator EPA ID:	NYD987037413
Trans1 EPA ID:	ILD984908202
Trans2 EPA ID:	ILD984908202
TSDF ID:	NJD002182897
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00480
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	93

Document ID:	NJA2258405
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	08690
Trans2 State ID:	Not reported
Generator Ship Date:	961028
Trans1 Recv Date:	961028
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	961031
Part A Recv Date:	Not reported
Part B Recv Date:	961126
Generator EPA ID:	NYD987037413
Trans1 EPA ID:	ILD984908202
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002182897
Waste Code:	D011 - SILVER 5.0 MG/L TCLP
Quantity:	00477
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	96

C10 **UNDERGROUND TANK** **NY Spills** **S111159762**
ENE **35 BATH STREET** **N/A**
< 1/8 **BALLSTON SPA, NY**
0.065 mi.
342 ft. **Site 3 of 7 in cluster C**

Relative:
Lower

Actual:
282 ft.

SPILLS:

Facility ID:	1105574
DER Facility ID:	407883
Facility Type:	ER
Site ID:	453234

UNDERGROUND TANK (Continued) **S111159762**

DEC Region:	5
Spill Date:	8/16/2011
Spill Number/Closed Date:	1105574 / 9/27/2011
Spill Cause:	Unknown
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4620
Investigator:	SXPASZKO
Referred To:	Not reported
Reported to Dept:	8/16/2011
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	8/16/2011
Spill Record Last Update:	9/28/2011
Spiller Name:	MIKE
Spiller Company:	UNKNOWN
Spiller Address:	35 BATH STREET
Spiller City,St,Zip:	BALLSTON SPA, NY
Spiller Company:	999
Contact Name:	MIKE
Contact Phone:	Not reported
DEC Memo:	RFC: Abandoned UST at this facility was closed in place. Low level residual contamination. Closed does not meet standards. Any soil excavated in the future with visual/olfactory evidence of petroleum impact must be disposed of at a regulated facility.
Remarks:	tank has holes

Material:

Site ID:	453234
Operable Unit ID:	1203392
Operable Unit:	01
Material ID:	2200033
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

D11 **SARATOGA COUNTY FACILITY** **LTANKS** **S110045411**
SE **50 WEST HIGH ST** **N/A**
< 1/8 **BALLSTON SPA, NY**
0.067 mi.
353 ft. **Site 1 of 10 in cluster D**

Relative:
Higher

Actual:
322 ft.

LTANKS:

Site ID:	421044
Spill Number/Closed Date:	0908444 / 8/6/2010
Spill Date:	10/27/2009
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	True
SWIS:	4615
Investigator:	SXPASZKO
Referred To:	Not reported
Reported to Dept:	10/27/2009
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	10/27/2009
Spill Record Last Update:	11/15/2010
Spiller Name:	Not reported
Spiller Company:	SARATOGA COUNTY
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller County:	999
Spiller Contact:	RICK GARDNER
Spiller Phone:	(518) 885-2235
Spiller Extention:	Not reported
DEC Region:	5
DER Facility ID:	370054
DEC Memo:	RFC: #2 oil UST failed tighness testing and was pulled. Post-ex soil confirms no spill. Tightness testing failure attributed to loose fitting at the fill. No further action required based on the current information.
Remarks:	2000gal ust/tank number 003

Material:

Site ID:	421044
Operable Unit ID:	1176979
Operable Unit:	01
Material ID:	2169689
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

SARATOGA COUNTY FACILITY (Continued) **S110045411**

Tank Test:

D12 **SARATOGA COUNTY FACILITIES BLDG. (5)** **UST** **U000384157**
SE **50 W HIGH ST** **HIST UST** **N/A**
< 1/8 **BALLSTON SPA, NY 12020**
0.067 mi.
353 ft. **Site 2 of 10 in cluster D**

Relative:
Higher

Actual:
322 ft.

UST:

Id/Status:	5-101370 / Unregulated
Region:	STATE
DEC Region:	5
Program Type:	PBS
Expiration Date:	N/A
UTM X:	593597.25809999998
UTM Y:	4761517.483

Affiliation Records:

Site Id:	38737
Affiliation Type:	Owner
Company Name:	COUNTY OF SARATOGA
Contact Type:	DEPUTY COMM. OF BLDGS & MAINT.
Contact Name:	RICKY L. GARDNER
Address1:	40 MC MASTER ST
Address2:	Not reported
City:	BALLSTON SPA
State:	NY
Zip Code:	12020
Country Code:	001
Phone:	(518) 885-2235
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	RLREYELL
Date Last Modified:	2/26/2007

Site Id:	38737
Affiliation Type:	Mail Contact
Company Name:	COUNTY OF SARATOGA
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	40 MC MASTER ST
Address2:	Not reported
City:	BALLSTON SPA
State:	NY
Zip Code:	12020
Country Code:	001
Phone:	(518) 885-2235
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	RLREYELL
Date Last Modified:	2/26/2007

Site Id:	38737
Affiliation Type:	On-Site Operator
Company Name:	SARATOGA COUNTY FACILITIES BLDG. (5)

SARATOGA COUNTY FACILITIES BLDG. (5) (Continued) **U000384157**

Contact Type:	Not reported
Contact Name:	RICKY GARDNER
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(518) 885-2235
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	38737
Affiliation Type:	Emergency Contact
Company Name:	COUNTY OF SARATOGA
Contact Type:	Not reported
Contact Name:	RICKY GARDNER
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(518) 885-2235
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Site ID:	38737

Tank Number:	001
Tank ID:	101669
Tank Status:	Closed - Removed
Tank Type:	Steel/carbon steel
Pipe Model:	Not reported

Equipment Records:

H00 - Tank Leak Detection - None
I00 - Overfill - None
F00 - Pipe External Protection - None
C00 - Pipe Location - No Piping
B00 - Tank External Protection - None
J02 - Dispenser - Suction
D02 - Pipe Type - Galvanized Steel
A00 - Tank Internal Protection - None
G00 - Tank Secondary Containment - None

Install Date:	Not reported
Capacity Gallons:	10000
Tightness Test Method:	03
Next Test Date:	Not reported
Date Tank Closed:	12/01/1992

SARATOGA COUNTY FACILITIES BLDG. (5) (Continued) **U000384157**

Tank Location: 5
Tank Type: Steel/carbon steel
Date Test: 04/01/1992
Registered: True
Modified By: TRANSLAT
Last Modified: 03/04/2004

Site ID: 38737

Tank Number: 002
Tank ID: 101670
Tank Status: Closed - Removed
Tank Type: Steel/carbon steel
Pipe Model: Not reported

Equipment Records:
H00 - Tank Leak Detection - None
I00 - Overfill - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
J02 - Dispenser - Suction
D02 - Pipe Type - Galvanized Steel
A00 - Tank Internal Protection - None
G00 - Tank Secondary Containment - None
Install Date: Not reported
Capacity Gallons: 10000
Tightness Test Method: 03
Next Test Date: Not reported
Date Tank Closed: 12/01/1992
Tank Location: 5
Tank Type: Steel/carbon steel
Date Test: 04/01/1992
Registered: True
Modified By: TRANSLAT
Last Modified: 03/04/2004

Site ID: 38737

Tank Number: 003
Tank ID: 101671
Tank Status: Closed - Removed
Tank Type: Steel/carbon steel
Pipe Model: Not reported

Equipment Records:
H00 - Tank Leak Detection - None
I00 - Overfill - None
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
L09 - Piping Leak Detection - Exempt Suction Piping
J02 - Dispenser - Suction
D02 - Pipe Type - Galvanized Steel
A00 - Tank Internal Protection - None
G00 - Tank Secondary Containment - None
C02 - Pipe Location - Underground/On-ground
Install Date: Not reported
Capacity Gallons: 2000

SARATOGA COUNTY FACILITIES BLDG. (5) (Continued) **U000384157**

Tightness Test Method:	14
Next Test Date:	Not reported
Date Tank Closed:	11/02/2009
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	04/01/2004
Registered:	True
Modified By:	BXHANKIN
Last Modified:	11/10/2010

HIST UST:

PBS Number:	5-101370
SPDES Number:	Not reported
Emergency Contact:	RICKY GARDNER
Emergency Telephone:	(518) 885-2235
Operator:	RICKY GARDNER
Operator Telephone:	(518) 885-2235
Owner Name:	COUNTY OF SARATOGA
Owner Address:	40 MC MASTER ST
Owner City,St,Zip:	BALLSTON SPA, NY 12020
Owner Telephone:	(518) 885-2235
Owner Type:	Local Government
Owner Subtype:	Not reported
Mailing Name:	COUNTY OF SARATOGA
Mailing Address:	40 MC MASTER ST
Mailing Address 2:	Not reported
Mailing City,St,Zip:	BALLSTON SPA, NY 12020
Mailing Contact:	Not reported
Mailing Telephone:	(518) 885-2235
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2:	Not reported
SWIS ID:	4120
Old PBS Number:	Not reported
Facility Type:	OTHER
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	06/13/1997
Expiration Date:	03/24/2002
Renew Flag:	False
Renewal Date:	20011113
Total Capacity:	2000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	Not reported
Town or City:	BALLSTON
County Code:	41
Town or City:	20
Region:	5

SARATOGA COUNTY FACILITIES BLDG. (5) (Continued) **U000384157**

Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (gals):	10000
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	04/01/1992
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	12/01/1992
Test Method:	Horner EZ Check
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	002
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (gals):	10000
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	04/01/1992
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	12/01/1992
Test Method:	Horner EZ Check
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	003
Tank Location:	UNDERGROUND
Tank Status:	In Service

SARATOGA COUNTY FACILITIES BLDG. (5) (Continued) **U000384157**

Install Date:	Not reported
Capacity (gals):	2000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Underground
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	Suction
Date Tested:	04/01/1997
Next Test Date:	04/01/2002
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Horner EZ Check
Deleted:	False
Updated:	True
Lat/long:	Not reported

D13 **SARA. CO. DOT** **LTANKS** **S100177390**
SSE **WEST HIGH STREET** **HIST LTANKS** **N/A**
< 1/8 **BALLSTON SPA, NY**
0.069 mi.
362 ft. **Site 3 of 10 in cluster D**

Relative:
Higher

Actual:
322 ft.

LTANKS:

Site ID:	105196
Spill Number/Closed Date:	9103573 / 3/7/1997
Spill Date:	7/1/1991
Spill Cause:	Tank Failure
Spill Source:	Unknown
Spill Class:	Known release that creates a file or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4600
Investigator:	MALONE
Referred To:	Not reported
Reported to Dept:	7/1/1991
CID:	Not reported
Water Affected:	GORDON CREEK
Spill Notifier:	Fire Department
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	7/15/1991
Spill Record Last Update:	8/20/1998
Spiller Name:	Not reported
Spiller Company:	SARA. CO. DOT
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller County:	001
Spiller Contact:	Not reported

SARA. CO. DOT (Continued) **S100177390**

Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	5
DER Facility ID:	92840
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "KM"-AK/BJCLOSED AS PER RH 03/05/97.DOES NOT MEET STANDARDS
Remarks:	COMPLAINT OF FUMES FROM CREEK; CONCERNED ABOUT HEALTH EFFECTS.

Material:

Site ID:	105196
Operable Unit ID:	954371
Operable Unit:	01
Material ID:	570493
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Pounds
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

HIST LTANKS:

Region of Spill:	5
Spill Number/Closed Date:	9103573 / 03/07/97
Spill Date:	07/01/1991
Spill Time:	17:05
Spill Cause:	Tank Failure
Resource Affectd:	Surface Water
Water Affected:	GORDON CREEK
Spill Source:	Unknown
Spill Class:	Known release that creates a file or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	/ /
Cleanup Meets Standard:	False
Investigator:	KM
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Reported to Department Date:	07/01/91
Reported to Department Time:	17:17
SWIS:	41
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
Spiller Name:	SARA. CO. DOT
Spiller Address:	Not reported

SARA. CO. DOT (Continued) **S100177390**

Spiller City,St,Zip: Not reported
Spiller Cleanup Date: / /
Facility Contact: Not reported
Facility Phone: Not reported
Facility Extention: Not reported
Spill Notifier: Fire Department
PBS Number: Not reported
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Date Region Sent Summary to Central Office: / /
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 07/15/91
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: 08/20/98
Is Updated: False

Tank:

Material:
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: False
Units: Pounds
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: #2 FUEL OIL
Class Type: #2 FUEL OIL
Times Material Entry In File: 24464
CAS Number: Not reported
Last Date: 19941207
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: False
Units: Pounds
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: #2 FUEL OIL
Class Type: #2 FUEL OIL
Times Material Entry In File: 24464
CAS Number: Not reported
Last Date: 19941207
DEC Remarks: -AK/BJ CLOSED AS PER RH 03/05/97.DOES NOT MEET STANDARDS
Spill Cause: COMPLAINT OF FUMES FROM CREEK; CONCERNED ABOUT HEALTH EFFECTS.

D14 **COUNTY BUILDINGS** **LTANKS** **S104276037**
SSE **WEST HIGH STREET** **HIST LTANKS** **N/A**
< 1/8 **BALLSTON SPA, NY**
0.069 mi.
362 ft. **Site 4 of 10 in cluster D**

Relative:
Higher

Actual:
322 ft.

LTANKS:
Site ID: 105194
Spill Number/Closed Date: 8910119 / 11/14/1996
Spill Date: 1/22/1990
Spill Cause: Tank Failure

COUNTY BUILDINGS (Continued) **S104276037**

Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	Known release that creates a file or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4600
Investigator:	OATMAN
Referred To:	Not reported
Reported to Dept:	1/22/1990
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Local Agency
Last Inspection:	4/1/1992
Recommended Penalty:	False
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	2/8/1990
Spill Record Last Update:	9/14/1999
Spiller Name:	RICK GARDNER
Spiller Company:	COUNTY BUILDINGS
Spiller Address:	WEST HIGH STREET
Spiller City,St,Zip:	BALLSTON SPA, NY 12020-
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	5
DER Facility ID:	92840
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "HO"See also 91001566; 9113159
Remarks:	Gasoline odors in sewer and county building. County pumping out tank (may be source); also to vent sewer. Will excavate test holes in a.m.

Material:

Site ID:	105194
Operable Unit ID:	937136
Operable Unit:	01
Material ID:	562186
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

HIST LTANKS:

Region of Spill:	5
Spill Number/Closed Date:	8910119 / 11/14/96
Spill Date:	01/22/1990
Spill Time:	12:00

COUNTY BUILDINGS (Continued) **S104276037**

Spill Cause:	Tank Failure
Resource Affectd:	Groundwater
Water Affected:	Not reported
Spill Source:	Other Non Commercial/Industrial
Spill Class:	Known release that creates a file or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	/ /
Cleanup Meets Standard:	False
Investigator:	HO
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Reported to Department Date:	01/22/90
Reported to Department Time:	15:30
SWIS:	41
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
Spiller Name:	COUNTY BUILDINGS
Spiller Address:	WEST HIGH STREET
Spiller City,St,Zip:	BALLSTON SPA, NY 12020-
Spiller Cleanup Date:	/ /
Facility Contact:	RICK GARDNER
Facility Phone:	(518) 885-2235
Facility Extention:	Not reported
Spill Notifier:	Local Agency
PBS Number:	Not reported
Last Inspection:	04/01/92
Recommended Penalty:	Penalty Not Recommended
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	True
Date Region Sent Summary to Central Office:	/ /
Corrective Action Plan Submitted:	/ /
Date Spill Entered In Computer Data File:	02/08/90
Time Spill Entered In Computer Data File:	Not reported
Spill Record Last Update:	09/14/99
Is Updated:	False

Tank:

Material:

Material Class Type:	Petroleum
Quantity Spilled:	0
Unkonwn Quantity Spilled:	True
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	True
Material:	GASOLINE
Class Type:	GASOLINE
Times Material Entry In File:	21329
CAS Number:	Not reported

COUNTY BUILDINGS (Continued) **S104276037**

Last Date:	19940929
Material Class Type:	Petroleum
Quantity Spilled:	0
Unkonwn Quantity Spilled:	True
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	True
Material:	GASOLINE
Class Type:	GASOLINE
Times Material Entry In File:	21329
CAS Number:	Not reported
Last Date:	19940929
DEC Remarks:	See also 91001566; 9113159
Spill Cause:	Gasoline odors in sewer and county building. County pumping out tank may be source); also to vent sewer. Will excavate test holes in a.m.

D15 **SARATOGA COUNTY DOT** **LTANKS S104621234**
SSE **WEST HIGH STREET** **HIST LTANKS N/A**
< 1/8 **BALLSTON SPA, NY**
0.069 mi.
362 ft. **Site 5 of 10 in cluster D**

Relative:
Higher

Actual:
322 ft.

LTANKS:

Site ID:	105197
Spill Number/Closed Date:	9103577 / 7/2/1991
Spill Date:	7/1/1991
Spill Cause:	Tank Failure
Spill Source:	Unknown
Spill Class:	Not reported
Cleanup Ceased:	7/2/1991
Cleanup Meets Standard:	True
SWIS:	4600
Investigator:	WRJESMOR
Referred To:	Not reported
Reported to Dept:	7/1/1991
CID:	Not reported
Water Affected:	GORDON CREEK
Spill Notifier:	Affected Persons
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	7/15/1991
Spill Record Last Update:	4/4/2000
Spiller Name:	Not reported
Spiller Company:	SARATOGA COUNTY DOT
Spiller Address:	WEST HIGH STREET
Spiller City,St,Zip:	BALLSTON SPA, NY 12020-
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	5
DER Facility ID:	92840
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "BJ"
Remarks:	Caller complained of fumes from creek; conerned about heath effects. Notified DOH Environmental Exposure. Active under spill # 9103573.

SARATOGA COUNTY DOT (Continued) **S104621234**

Material:

Site ID:	105197
Operable Unit ID:	954379
Operable Unit:	01
Material ID:	422716
Material Code:	0008
Material Name:	Diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

HIST LTANKS:

Region of Spill:	5
Spill Number/Closed Date:	9103577 / 07/02/91
Spill Date:	07/01/1991
Spill Time:	19:30
Spill Cause:	Tank Failure
Resource Affectd:	Surface Water
Water Affected:	GORDON CREEK
Spill Source:	Unknown
Spill Class:	Not reported
Cleanup Ceased:	07/02/91
Cleanup Meets Standard:	True
Investigator:	BJ
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Reported to Department Date:	07/01/91
Reported to Department Time:	02:04
SWIS:	41
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
Spiller Name:	SARATOGA COUNTY DOT
Spiller Address:	WEST HIGH STREET
Spiller City,St,Zip:	BALLSTON SPA, NY 12020-
Spiller Cleanup Date:	/ /
Facility Contact:	Not reported
Facility Phone:	Not reported
Facility Extention:	Not reported
Spill Notifier:	Affected Persons
PBS Number:	Not reported
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended

SARATOGA COUNTY DOT (Continued) **S104621234**

Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Date Region Sent Summary to Central Office: / /
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 07/15/91
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: 04/04/00
Is Updated: False

Tank:

Material:
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: True
Material: DIESEL
Class Type: DIESEL
Times Material Entry In File: 10625
CAS Number: Not reported
Last Date: 19940728
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: True
Material: DIESEL
Class Type: DIESEL
Times Material Entry In File: 10625
CAS Number: Not reported
Last Date: 19940728
DEC Remarks: Not reported
Spill Cause: Caller complained of fumes from creek; conerned about heath effects. Notified DOH Environmental Exposure. Active under spill 9103573.

D16 **TUFF-LITE PLASTICS** **NY Spills** **S102117363**
ESE **BATH STREET** **NY Hist Spills** **N/A**
< 1/8 **BALLSTON SPA, NY**
0.070 mi.
371 ft. **Site 6 of 10 in cluster D**

Relative:
Higher

Actual:
313 ft.

SPILLS:
Facility ID: 9209088
DER Facility ID: 259161
Facility Type: ER
Site ID: 321705
DEC Region: 5
Spill Date: 11/5/1992
Spill Number/Closed Date: 9209088 / 11/12/1993
Spill Cause: Unknown
Spill Class: Known release that creates a file or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS: 4600
Investigator: WRJESMOR

TUFF-LITE PLASTICS (Continued) **S102117363**

Referred To:	Not reported
Reported to Dept:	11/5/1992
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Police Department
Cleanup Ceased:	11/12/1993
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	True
Remediation Phase:	0
Date Entered In Computer:	2/2/1993
Spill Record Last Update:	11/6/2000
Spiller Name:	Not reported
Spiller Company:	UNK.
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "BJ/TS"
Remarks:	Heavy gasoline fumes discovered in underground storm drain system; FD and PD on site. Contact caller with ETA.

Material:

Site ID:	321705
Operable Unit ID:	972745
Operable Unit:	01
Material ID:	567411
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

NY Hist Spills:

Region of Spill:	5
Spill Number/Closed Date:	9209088 / 11/12/93
Investigator:	BJ/TS
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	11/05/1992 16:07
Reported to Dept Date/Time:	11/05/92 16:21
SWIS:	41

TUFF-LITE PLASTICS (Continued) **S102117363**

Spiller Name: UNK.
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Address: Not reported
Spiller City,St,Zip: Not reported
Spill Cause: Unknown
Reported to Dept: In Sewer
Water Affected: Not reported
Spill Source: 12
Spill Notifier: Police Department
PBS Number: Not reported
Cleanup Ceased: 11/12/93
Cleanup Meets Std: True
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: True
Spill Class: Known release that creates a file or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 02/02/93
Date Spill Entered In Computer Data File: Not reported
Update Date: 11/06/00
Is Updated: False

Tank:

Material:
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: True
Material: GASOLINE
Class Type: GASOLINE
Times Material Entry In File: 21329
CAS Number: Not reported
Last Date: 19940929
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: True
Material: GASOLINE
Class Type: GASOLINE
Times Material Entry In File: 21329
CAS Number: Not reported
Last Date: 19940929
DEC Remarks: Not reported
Remark: Heavy gasoline fumes discovered in underground storm drain system; FD and PD on site. Contact caller with ETA.

C17 **POLE #11** **NY Spills** **S108297504**
NNE **75 WASHINGTON STREET** **N/A**
< 1/8 **BALLSTON SPA, NY**
0.075 mi.
396 ft. **Site 4 of 7 in cluster C**

Relative:
Lower

Actual:
265 ft.

SPILLS:

Facility ID:	0611439
DER Facility ID:	325726
Facility Type:	ER
Site ID:	376133
DEC Region:	5
Spill Date:	1/15/2007
Spill Number/Closed Date:	0611439 / 5/4/2007
Spill Cause:	Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4620
Investigator:	SXPASZKO
Referred To:	Not reported
Reported to Dept:	1/15/2007
CID:	76
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1/16/2007
Spill Record Last Update:	5/4/2007
Spiller Name:	BARBARA SCHEURER
Spiller Company:	NATIONAL GRID
Spiller Address:	75 WASHINGTON STREET
Spiller City,St,Zip:	BALSTON SPA, NY
Spiller Company:	001
Contact Name:	BARBARA SCHEURER
Contact Phone:	(518) 433-3696
DEC Memo:	01/26/07: Heavy staining in the area. Further action required.RFC: EP&S performed additional cleanup in the area. Based on the current information, the spill has been addressed. No further action is required at this time.
Remarks:	CALLER REPORTS ICING FROM STORM CAUSED TREE TO FALL CAUSING POWER POLE TO FALL. TRANSFORMER LEAKED 18 GALS OF OIL ONTO LAND. HAZMAT IS ON SCENE.

Material:

Site ID:	376133
Operable Unit ID:	1133738
Operable Unit:	01
Material ID:	2123559
Material Code:	0020A
Material Name:	TRANSFORMER OIL
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	18
Units:	Gallons
Recovered:	No

POLE #11 (Continued) **S108297504**

Resource Affected: Not reported
Oxygenate: False

Tank Test:

C18 **VILLAGE GARAGE/BS LANDFIL** **NY Spills** **S102116425**
NE **66 FRONT STREET/MALTA AVE** **NY Hist Spills** **N/A**
< 1/8 **BALLSTON SPA, NY**
0.076 mi.
401 ft. **Site 5 of 7 in cluster C**

Relative:
Lower

Actual:
268 ft.

SPILLS:

Facility ID:	8903306
DER Facility ID:	225608
Facility Type:	ER
Site ID:	277563
DEC Region:	5
Spill Date:	6/1/1989
Spill Number/Closed Date:	8903306 / 5/14/1997
Spill Cause:	Abandoned Drums
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4600
Investigator:	HETZLER
Referred To:	Not reported
Reported to Dept:	6/29/1989
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Citizen
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	1/7/1993
Recommended Penalty:	False
UST Trust:	True
Remediation Phase:	0
Date Entered In Computer:	8/22/1989
Spill Record Last Update:	3/15/2000
Spiller Name:	JOE THOMPSON
Spiller Company:	VILLAGE OF BALLSTON SPA
Spiller Address:	Not reported
Spiller City,St,Zip:	BALLSTON SPA, NY 12020-
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "PH"BJ06/30/89: UST KNOWN TO BE LEAKING, PUMPED OUT. 08/31/89: SL WROTE LETTER TO DPW CONCERNING DRUMS AND UST. 09/10/89: DRUMS REMOVED FRON OLD WASTE WATER TREATMENT FACILITY. 12/14/89: SL WROTE LETTER TO HAVE TANKS REMOVED. 12/15/89: WROTE LETTER CONCERNING ABANDONED 2K UST.12/19/89: JOE THOMPSON-DPW DOMERMUTH WILL REMOVE TANK IN THE SPRING.12/19/89: BARRELS WERE WATER DECANTED FROM GAS TANKS AT THE B SPA VILLAGE GARAGE. ORDERED TO REMOVE THE LEAKING TANKS. 11/06/90: BJ WROTE LETTER TO VILLAGE TO REMOVE THE TANKS. 12/05/90: BJ WROTE ANOTHER LETTER TO HAVE THE TANKS REMOVED FROM THE SITE. 12/19/90: 12/17&18 VILLAGE REMOVED THE TANKS AND EXCAVATED APPROXIMATELY 80

VILLAGE GARAGE/BS LANDFIL (Continued) **S102116425**

YDS. OF CONTAMINATED SOIL. SOIL WILL BE TREATED ON SITE, EX-SITU BIO REM. CLAY TYPE MATERIAL. GOT UP TO 500PPM ON HNU WHILE EXCAVATING.12/19/90: GAVE EXTENSION TO VILLAGE TO REMOVE 2 REMAINING LEAKING TANKS. EXTENDED TO JAN. 31 1991. TANKS WERE PUMPED OUT. 01/31/91: REMAINING TANKS WERE REMOVED. BOTH TANK PITS STILL HAVE CONTAMINATED SOIL WHICH IS IMPOSSIBLE TO REACH DUE TO BUILDINGS AND A ROAD. A GROUNDWATER TREATMENT SYSTEM IS BEING CONSIDERED. 06/19/91: SOIL SAMPLE COLLECTED FROM THE SOIL TREATING FROM THE FIRST TANK PIT. PASSED TCLP FOR 8020, TWO COMPOSITES WERE ANALYZED. FINAL DISPOSITION OF THE TREATED SOIL WILL BE AT OLD ABANDONED WWTP. 06/19/91: TREATED SOIL WAS USED TO FILL IN HUGE CEMENT LINED TANKS AT THE OLD WASTE WATER TREATMENT PLANT. ONCE THE TREATMENT CELL WAS EMPTIED THE SECOND TANK PIT'S CONT. SOIL STARTED TREATMENT. 09/21/92: SAMPLED SECOND ROUND OF EX-SITU BIOREMEDIATION. CAME BACK ND FOR 8021 TOTAL. 01/07/93: IN-SITU REMEDIATION WAS CONSIDERED FOR THIS SITE, HOWEVER IT WAS DETERMINED THAT FURTHER REMEDIATION WOULD NOT SIGNIFICANTLY AFFECT THE ENVIRONMENTAL DISPOSITION OF THE SITE.

Remarks: C&D SITE, VILLAGE BURIED 3 55 G. DRUMS GAS/WATER AT OLD WWTP. SL CONTACTED THOMPSON, CONFESSED TO BURYING 3 DRUMS IN CEMENT SEPTIC TANKS. FRI @ 2PM-BERES, HILLARY, MAYOR & THOMPSON ON SITE 6/30.

Material:

Site ID:	277563
Operable Unit ID:	930792
Operable Unit:	01
Material ID:	447411
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Pounds
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

NY Hist Spills:

Region of Spill:	5
Spill Number/Closed Date:	8903306 / 05/14/97
Investigator:	PH
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	06/01/1989 12:00
Reported to Dept Date/Time:	06/29/89 09:15
SWIS:	41
Spiller Name:	VILLAGE OF BALLSTON SPA
Spiller Contact:	JOE THOMPSON
Spiller Phone:	(518) 885-6211
Spiller Address:	Not reported
Spiller City,St,Zip:	BALLSTON SPA, NY 12020-

VILLAGE GARAGE/BS LANDFIL (Continued) **S102116425**

Spill Cause: Abandoned Drums
Reported to Dept: On Land
Water Affected: Not reported
Spill Source: 12
Spill Notifier: Citizen
PBS Number: Not reported
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: 01/07/93
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: True
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 08/22/89
Date Spill Entered In Computer Data File: Not reported
Update Date: 03/15/00
Is Updated: False

Tank:

Material:
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: False
Units: Pounds
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: GASOLINE
Class Type: GASOLINE
Times Material Entry In File: 21329
CAS Number: Not reported
Last Date: 19940929
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: False
Units: Pounds
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: GASOLINE
Class Type: GASOLINE
Times Material Entry In File: 21329
CAS Number: Not reported
Last Date: 19940929
DEC Remarks: BJ 06/30/89: UST KNOWN TO BE LEAKING, PUMPED OUT. 08/31/89: SL WROTE LETTER TO DPW CONCERNING DRUMS AND UST. 09/10/89: DRUMS REMOVED FRON OLD WASTE WATER TREATMENT FACILITY. 12/14/89: SL WROTE LETTER TO HAVE TANKS REMOVED. 12/15/89:WROTE LETTER CONCERNING ABANDONED 2K UST. 12/19/89: JOE THOMPSON-DPW DOMERMUTH WILL REMOVE TANK IN THE SPRING. 12/19/89: BARRELS WERE WATER DECANTED FROM GAS TANKS AT THE B SPA VILLAGE GARAGE. ORDERED TO REMOVE THE LEAKING TANKS. 11/06/90: BJ WROTE LETTER TO VILLAGE TO REMOVE THE TANKS. 12/05/90: BJ WROTE ANOTHER LETTER TO HAVE THE TANKS REMOVED FROM THE SITE. 12/19/90: 12/17 18 VILLAGE REMOVED THE TANKS AND EXCAVATED APPROXIMATELY 80 YDS. OF CONTAMINATED SOIL. SOIL WILL BETREATED ON SITE,

VILLAGE GARAGE/BS LANDFIL (Continued) **S102116425**

EX-SITU BIO REM. CLAY TYPE MATERIAL. GOT UP TO 500PPM ON HNU WHILE EXCAVATING. 12/19/90: GAVE EXTENSION TO VILLAGE TO REMOVE 2 REMAINING LEAKING TANKS. EXTENDED TO JAN. 31 1991. TANKS WERE PUMPED OUT. 01/31/91: REMAINING TANKS WERE REMOVED. BOTH TANK PITS STILL HAVE CONTAMINATED SOIL WHICH IS IMPOSSIBLE TO REACH DUE TO BUILDINGS AND A ROAD. A GROUNDWATER TREATMENT SYSTEM IS BEING CONSIDERED. 06/19/91: SOIL SAMPLE COLLECTED FROM THE SOIL TREATING FROM THE FIRST TANK PIT. PASSED TCLP FOR 8020, TWO COMPOSITES WERE ANALYZED. FINAL DISPOSITION OF THE TREATED SOIL WILL BE AT OLD ABANDONED WWTP. 06/19/91: TREATED SOIL WAS USED TO FILL IN HUGE CEMENT LINED TANKS AT THE OLD WASTE WATER TREATMENT PLANT. ONCE THETREATMENT CELL WAS EMPTIED THE SECOND TANK PIT S CONT. SOIL STARTED TREATMENT. 09/21/92: SAMPLED SECOND ROUND OF EX-SITU BIOREMEDIATION. CAME BACK ND FOR 8021 TOTAL. 01/07/93: IN-SITU REMEDIATION WAS CONSIDERED FOR THIS SITE, HOWEVER IT WASDETERMINED THAT FURTHER REMEDIATION WOULD NOT SIGNIFICANTLY AFFECT THE ENVIRONMENTAL DISPOSITION OF THE SITE.

Remark: C D SITE, VILLAGE BURIED 3 55 G. DRUMS GAS/WATER AT OLD WWTP. SL CONTACTED THOMPSON, CONFESSED TO BURYING 3 DRUMS IN CEMENT SEPTIC TANKS. FRI @ 2PM-BERES, HILLARY, MAYOR THOMPSON ON SITE 6/30.

C19 **VILLAGE OF BALLSTON** **MANIFEST** **S109786098**
NE **66 FRONT STREET** **N/A**
< 1/8 **BALLSTON, NY 12020**
0.078 mi.
410 ft. **Site 6 of 7 in cluster C**

Relative: **Lower**

Actual: **269 ft.**

CT MANIFEST:

Waste:

Manifest No:	CTC0204819
Waste Occurence:	1
UNNA:	1993
Hazard Class:	FLAMMABLE
US Dot Description:	WASTE FLAMMABLE LIQUID, NOS
No of Containers:	001
Container Type:	TT
Quantity:	2255
Weight/Volume:	G
Additional Description:	Y
Handling Code:	S02
Date Record Was Last Modified:	4/27/2004
DEO Who Last Modified Record:	IG

Waste CD:

Manifest No:	CTC0204819
Waste Occurence:	1
EPA Waste Code:	D001
Recycled Waste?:	F
Date Record Was Last Modified:	4/27/2004
DEO Who Last Modified Record:	IG

Detail:

Year:	1990
Manifest ID:	CTC0204819
TSDF EPA ID:	CTD021816889
TSDF Name:	UNITED OIL RECOVERY, INC.
TSDF Address:	136 GRACEY AVENUE
TSDF City,St,Zip:	MERIDEN, CT 06450
TSDF Country:	USA

VILLAGE OF BALLSTON (Continued) **S109786098**

TSDF Telephone:	Not reported
Transport Date:	12/17/1990
Transporter EPA ID:	MAD062179890
Transporter Name:	JET-LINE SERVICES, INC.,
Transporter Country:	USA
Transporter Phone:	Not reported
Trans 2 Date:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
Trans 2 Address:	Not reported
Trans 2 City,St,Zip:	CT
Trans 2 Country:	USA
Trans 2 Phone:	Not reported
EPA ID:	NYP000900936
Generator Phone:	5188856211
Generator Mailing Addr:	66 FRONT STREET
Generator Mailing Town:	BALLSTON
Generator Mailing State:	NY
Generator Mailing Zip:	12020
Generator Mailing Country:	USA
Special Handling:	Yes
Discrepancies:	No
Date Shipped:	12/17/1990
Date Received:	12/19/1990
Last modified date:	4/27/2004
Last modified by:	IG
Comments:	Not reported

C20 **BALLSTON VILLAGE OF** **MANIFEST** **1009232916**
NE **66 FRONT STREET** **N/A**
< 1/8 **BALLSTON SPA, NY 12020**
0.078 mi.
410 ft. **Site 7 of 7 in cluster C**

Relative:
Lower

Actual:
269 ft.

NY MANIFEST:

EPA ID:	NYP000900936
Country:	USA
Mailing Name:	BALLSTON VILLAGE OF
Mailing Contact:	JOSEPH THOMPSON
Mailing Address:	66 FRONT STREET
Mailing Address 2:	Not reported
Mailing City:	BALLSTON SPA
Mailing State:	NY
Mailing Zip:	12020
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	518-885-6211

Document ID:	CTC0204819
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	436-045MA
Trans2 State ID:	Not reported
Generator Ship Date:	901217
Trans1 Recv Date:	901217
Trans2 Recv Date:	901217
TSD Site Recv Date:	901219

BALLSTON VILLAGE OF (Continued) **1009232916**

Part A Recv Date:	910326
Part B Recv Date:	910109
Generator EPA ID:	NYP000900936
Trans1 EPA ID:	MAD062179890
Trans2 EPA ID:	Not reported
TSDF ID:	CTD021816889
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	02255
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	90

E21 **CATCH BASIN** **NY Spills** **S109061719**
WNW **32 CHARLESTON STREET** **N/A**
< 1/8 **BALLSTON SPA, NY**
0.086 mi.
453 ft. **Site 1 of 3 in cluster E**

Relative:
Lower

Actual:
271 ft.

SPILLS:

Facility ID:	0800438
DER Facility ID:	345690
Facility Type:	ER
Site ID:	396194
DEC Region:	5
Spill Date:	4/11/2008
Spill Number/Closed Date:	0800438 / 7/21/2008
Spill Cause:	Other
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4620
Investigator:	AJFRANK
Referred To:	Not reported
Reported to Dept:	4/11/2008
CID:	444
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Local Agency
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	4/11/2008
Spill Record Last Update:	7/21/2008
Spiller Name:	JEFF
Spiller Company:	CATCH BASIN
Spiller Address:	32 CHARLESTON STREET
Spiller City,St,Zip:	BALSTON SPA, NY
Spiller Company:	001
Contact Name:	JEFF
Contact Phone:	(518) 857-8170
DEC Memo:	04/11/08: AF spoke to dpw lead. Basin outside facility appears to be waste oil from the facility spilled while putting into drums for recovery. No evidence of impacts in ditch that the inlet structure

CATCH BASIN (Continued) **S109061719**

inevitably daylights into. Drums have now been moved inside for storage. Basin stormwater discharge secured for weekend and basin was scheduled for replacement on monday.04/22/08: confirmed that the catch basin was removed and contents cleaned out for disposal. New basin is in-place.RFC = no further action required

Remarks: DURING INSPECTION OF CATCH BASINS FOUND OIL SEDIMENT AND NEEDS SOME GUIDENCEON WHAT TO DO: PLEASE CALL HIS CELL

Material:

Site ID:	396194
Operable Unit ID:	1153140
Operable Unit:	01
Material ID:	2143918
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

D22 **MARILYN & GARY STEPHENSON** **UST** **U004047504**
ESE **45 WEST HIGH STREET** **N/A**
< 1/8 **BALLSTON SPA, NY 12020**
0.088 mi.
465 ft. **Site 7 of 10 in cluster D**

Relative: Higher

Actual: 316 ft.

UST:

Id/Status:	5-600696 / Unregulated
Region:	STATE
DEC Region:	5
Program Type:	PBS
Expiration Date:	N/A
UTM X:	593664.91289000004
UTM Y:	4761524.18389

Affiliation Records:

Site Id:	335311
Affiliation Type:	Owner
Company Name:	MARILYN & GARY STEPHENSON
Contact Type:	OWNER
Contact Name:	MARILYN STEPHENSON
Address1:	45 WEST HIGH STREET
Address2:	Not reported
City:	BALLSTON SPA
State:	NY
Zip Code:	20
Country Code:	001
Phone:	(518) 885-4988
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	SLQUINN

MARILYN & GARY STEPHENSON (Continued) **U004047504**

Date Last Modified:	12/21/2004
Site Id:	335311
Affiliation Type:	Mail Contact
Company Name:	Not reported
Contact Type:	Not reported
Contact Name:	MARILYN & GARY STEPHENSON
Address1:	45 WEST HIGH STREET
Address2:	Not reported
City:	BALLSTON SPA
State:	NY
Zip Code:	12020
Country Code:	001
Phone:	(518) 885-4988
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	SLQUINN
Date Last Modified:	12/20/2004
Site Id:	335311
Affiliation Type:	On-Site Operator
Company Name:	MARILYN & GARY STEPHENSON
Contact Type:	Not reported
Contact Name:	MARILYN & GARY STEPHENSON
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(518) 885-4988
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	EJCALIFA
Date Last Modified:	12/21/2004
Site Id:	335311
Affiliation Type:	Emergency Contact
Company Name:	MARILYN & GARY STEPHENSON
Contact Type:	Not reported
Contact Name:	MARILYN & GARY STEPHENSON
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(518) 885-4988
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	EJCALIFA
Date Last Modified:	12/21/2004

MARILYN & GARY STEPHENSON (Continued) **U004047504**

Tank Info:
Site ID: 335311

Tank Number: 001
Tank ID: 181173
Tank Status: Closed - In Place
Tank Type: Steel/carbon steel
Pipe Model: Not reported

Equipment Records:
C03 - Pipe Location - Aboveground/Underground Combination
H00 - Tank Leak Detection - None
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
K00 - Spill Prevention - None
L00 - Piping Leak Detection - None
B02 - Tank External Protection - Original Sacrificial Anode
I00 - Overfill - None

Install Date: 01/01/1986
Capacity Gallons: 2000
Tightness Test Method: 00
Next Test Date: Not reported
Date Tank Closed: Not reported
Tank Location: 5
Tank Type: Steel/carbon steel
Date Test: Not reported
Registered: True
Modified By: SLQUINN
Last Modified: 12/21/2004

D23 **STEPHENSON RESIDENCE** **NY Spills** **S106721408**
ESE **45V WEST HIGH STREET** **N/A**
< 1/8 **BALLSTON SPA, NY**
0.088 mi.
465 ft. **Site 8 of 10 in cluster D**

Relative: Higher

Actual: 316 ft.

SPILLS:
Facility ID: 0408233
DER Facility ID: 268127
Facility Type: ER
Site ID: 332904
DEC Region: 5
Spill Date: 10/26/2004
Spill Number/Closed Date: 0408233 / 10/23/2008
Spill Cause: Other
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS: 4620
Investigator: AJFRANK
Referred To: Not reported
Reported to Dept: 10/26/2004
CID: 444
Water Affected: Not reported
Spill Source: Private Dwelling

STEPHENSON RESIDENCE (Continued) **S106721408**

Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	10/26/2004
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	10/26/2004
Spill Record Last Update:	10/23/2008
Spiller Name:	GARY STEPHENSON
Spiller Company:	STEPHENSON RESIDENCE
Spiller Address:	45V WEST HIGH STREET
Spiller City,St,Zip:	BALLSTON SPA, NY
Spiller Company:	001
Contact Name:	GARY STEPHENSON
Contact Phone:	(518) 885-4988
DEC Memo:	10/26/04: AF site inspection. 2000 gallon UST removed by EP&S. Large holes along one side of tank half way up, 700 gallons of watery oil removed from tank. Significant contamination in pit. excavation of tank bed indicates shallow groundwater is present at about 5 feet. Silty clay layer at 8-9 feet was free of impacts. Smear zone between 4 and 8 feet was heavily impacted with predicted northerly groundwater vector. Contaminated soil from tank grave excavation staged on plastic. Soil samples collected and insurance claim submitted. Travelers Claim # L6I6887 - 800-223-482011/10/04: Verbal on six soil samples collected. All returned ND for 8260 and 8270. Soil disposal complete at esmi08/06/08: No report received and after several requests finallky received archived sample results verifying NDs.RFC = no further action require.
Remarks:	CALLER STATES THAT HE MAY HAVE CONTAMINATED SOIL, AWAITING TESTS FROM TANK CO. IN PROCESS OF REMOVI GTANK AND PUMPED OUT:

Material:

Site ID:	332904
Operable Unit ID:	1095109
Operable Unit:	01
Material ID:	575235
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

D24 **BALLSTON SPA FUMES** **NY Spills** **S102117215**
ESE **BATH & WEST HIGH ST.** **NY Hist Spills** **N/A**
< 1/8 **BALLSTON SPA, NY**
0.088 mi.
466 ft. **Site 9 of 10 in cluster D**

Relative:
Higher

Actual:
316 ft.

SPILLS:

Facility ID:	9205005
DER Facility ID:	168821
Facility Type:	ER
Site ID:	202970
DEC Region:	5
Spill Date:	7/31/1992
Spill Number/Closed Date:	9205005 / 8/3/1992
Spill Cause:	Unknown
Spill Class:	Known release that creates a file or hazard. (Minimal Occurrence)
SWIS:	4600
Investigator:	SELALOND
Referred To:	Not reported
Reported to Dept:	7/31/1992
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Fire Department
Cleanup Ceased:	8/3/1992
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	8/5/1992
Spill Record Last Update:	10/27/2000
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SL"
Remarks:	Odor coming up out of storm drain. DEC will contact NiMo.

Material:

Site ID:	202970
Operable Unit ID:	968661
Operable Unit:	01
Material ID:	409247
Material Code:	0054A
Material Name:	NATURAL GAS
Case No.:	Not reported
Material FA:	Other
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

BALLSTON SPA FUMES (Continued) **S102117215**

NY Hist Spills:

Region of Spill:	5
Spill Number/Closed Date:	9205005 / 08/03/92
Investigator:	SL
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	07/31/1992 13:35
Reported to Dept Date/Time:	07/31/92 13:51
SWIS:	41
Spiller Name:	UNKNOWN
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spill Cause:	Unknown
Reported to Dept:	In Sewer
Water Affected:	Not reported
Spill Source:	12
Spill Notifier:	Fire Department
PBS Number:	Not reported
Cleanup Ceased:	08/03/92
Cleanup Meets Std:	True
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release that creates a file or hazard. (Minimal Occurrence)
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	08/05/92
Date Spill Entered In Computer Data File:	Not reported
Update Date:	10/27/00
Is Updated:	False

Tank:

Material:

Material Class Type:	Hazardous Material
Quantity Spilled:	0
Unkonwn Quantity Spilled:	True
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	True
Material:	NATURAL GAS
Class Type:	NATURAL GAS
Times Material Entry In File:	73
CAS Number:	Not reported
Last Date:	19940728
Material Class Type:	Hazardous Material
Quantity Spilled:	0
Unkonwn Quantity Spilled:	True
Units:	Gallons

BALLSTON SPA FUMES (Continued) **S102117215**

Quantity Recovered: 0
Unkonwn Quantity Recovered: True
Material: NATURAL GAS
Class Type: NATURAL GAS
Times Material Entry In File: 73
CAS Number: Not reported
Last Date: 19940728
DEC Remarks: Not reported
Remark: Odor coming up out of storm drain. DEC will contact NiMo.

E25 **VILLAGE OF BALLSTON SPA** **HIST UST** **U003076502**
West **32 CHARLTON STREET** **AST** **N/A**
< 1/8 **BALLSTON SPA, NY 12020** **HIST AST**
0.089 mi.
471 ft. **Site 2 of 3 in cluster E**

Relative:
Lower

Actual:
271 ft.

HIST UST:
PBS Number: 5-003921
SPDES Number: Not reported
Emergency Contact: JOSEPH THOMPSON
Emergency Telephone: (518) 885-6211
Operator: JOSEPH THOMPSON
Operator Telephone: (518) 885-5711
Owner Name: VILLAGE OF BALLSTON SPA
Owner Address: 66 FRONT STREET
Owner City,St,Zip: BALLSTON SPA, NY 12020
Owner Telephone: (518) 885-5711
Owner Type: Local Government
Owner Subtype: Not reported
Mailing Name: VILLAGE OF BALLSTON SPA
Mailing Address: 66 FRONT STREET
Mailing Address 2: Not reported
Mailing City,St,Zip: BALLSTON SPA, NY 12020
Mailing Contact: Not reported
Mailing Telephone: (518) 885-5711
Owner Mark: First Owner
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2: Not reported
SWIS ID: 4120
Old PBS Number: Not reported
Facility Type: OTHER
Inspected Date: Not reported
Inspector: Not reported
Inspection Result: Not reported
Federal ID: Not reported
Certification Flag: False
Certification Date: 03/14/2001
Expiration Date: 04/15/2006
Renew Flag: False
Renewal Date: 19960103
Total Capacity: 3250
FAMT: True
Facility Screen: No Missing Data
Owner Screen: Minor Data Missing
Tank Screen: No Missing Data
Dead Letter: False

VILLAGE OF BALLSTON SPA (Continued) **U003076502**

CBS Number: Not reported
Town or City: BALLSTON
County Code: 41
Town or City: 20
Region: 5

Tank Id: 001
Tank Location: UNDERGROUND
Tank Status: Closed Before April 1, 1991
Install Date: 19830301
Capacity (gals): 2000
Product Stored: LEADED GASOLINE
Tank Type: Steel/carbon steel
Tank Internal: Not reported
Tank External: Not reported
Pipe Location: Not reported
Pipe Type: Not reported
Pipe Internal: Not reported
Pipe External: Sacrificial Anode
Second Containment: Other
Leak Detection: None
Overfill Prot: Not reported
Dispenser: Suction
Date Tested: Not reported
Next Test Date: Not reported
Missing Data for Tank: Minor Data Missing
Date Closed: Not reported
Test Method: Not reported
Deleted: False
Updated: True
Lat/long: Not reported

Tank Id: 002
Tank Location: UNDERGROUND
Tank Status: Closed Before April 1, 1991
Install Date: 19830901
Capacity (gals): 1000
Product Stored: UNLEADED GASOLINE
Tank Type: Steel/carbon steel
Tank Internal: Not reported
Tank External: Not reported
Pipe Location: Not reported
Pipe Type: GALVANIZED STEEL
Pipe Internal: Not reported
Pipe External: Not reported
Second Containment: Other
Leak Detection: None
Overfill Prot: Not reported
Dispenser: Suction
Date Tested: Not reported
Next Test Date: Not reported
Missing Data for Tank: Minor Data Missing
Date Closed: Not reported
Test Method: Not reported
Deleted: False
Updated: False

VILLAGE OF BALLSTON SPA (Continued) **U003076502**

Lat/long: Not reported

Tank Id: 003
Tank Location: UNDERGROUND
Tank Status: Closed Before April 1, 1991
Install Date: 19850801
Capacity (gals): 1000
Product Stored: DIESEL
Tank Type: Steel/carbon steel
Tank Internal: Not reported
Tank External: Not reported
Pipe Location: Not reported
Pipe Type: GALVANIZED STEEL
Pipe Internal: Not reported
Pipe External: Not reported
Second Containment: Other
Leak Detection: None
Overfill Prot: Not reported
Dispenser: Suction
Date Tested: 07/01/1987
Next Test Date: Not reported
Missing Data for Tank: Minor Data Missing
Date Closed: Not reported
Test Method: Horner EZ Check
Deleted: False
Updated: True
Lat/long: Not reported

Tank Id: 006
Tank Location: UNDERGROUND
Tank Status: Temporarily Out Of Service
Install Date: 19910101
Capacity (gals): 1000
Product Stored: EMPTY
Tank Type: Fiberglass reinforced plastic [FRP]
Tank Internal: Fiberglass Liner (FRP)
Tank External: Fiberglass
Pipe Location: Underground
Pipe Type: STEEL/IRON
Pipe Internal: None
Pipe External: Wrapped (Piping)
Second Containment: Vault (w/access)
Leak Detection: Electronic
Overfill Prot: Float Vent Valve, Catch Basin
Dispenser: Suction
Date Tested: Not reported
Next Test Date: Not reported
Missing Data for Tank: No Missing Data
Date Closed: Not reported
Test Method: Not reported
Deleted: False
Updated: True
Lat/long: Not reported

VILLAGE OF BALLSTON SPA (Continued) **U003076502**

Tank Id:	007
Tank Location:	UNDERGROUND
Tank Status:	Temporarily Out Of Service
Install Date:	19910101
Capacity (gals):	1000
Product Stored:	EMPTY
Tank Type:	Fiberglass reinforced plastic [FRP]
Tank Internal:	Fiberglass Liner (FRP)
Tank External:	Fiberglass
Pipe Location:	Underground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	Wrapped (Piping)
Second Containment:	Vault (w/access)
Leak Detection:	Electronic
Overfill Prot:	Float Vent Valve, Catch Basin
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

AST:

Region:	STATE
DEC Region:	5
Site Status:	Active
Facility Id:	5-003921
Program Type:	PBS
UTM X:	593362.40567999997
UTM Y:	4761683.5480000004
Expiration Date:	2016/04/15

Affiliation Records:

Site Id:	38295
Affiliation Type:	Owner
Company Name:	VILLAGE OF BALLSTON SPA
Contact Type:	SUPERVISOR
Contact Name:	JEFF GAWRYS
Address1:	66 FRONT STREET
Address2:	Not reported
City:	BALLSTON SPA
State:	NY
Zip Code:	12020
Country Code:	001
Phone:	(518) 885-6211
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	rbmulvey
Date Last Modified:	4/20/2011

Site Id:	38295
Affiliation Type:	Mail Contact

VILLAGE OF BALLSTON SPA (Continued) **U003076502**

Company Name:	VILLAGE OF BALLSTON SPA
Contact Type:	SUPERVISOR
Contact Name:	JEFF GAWRYS
Address1:	66 FRONT STREET
Address2:	Not reported
City:	BALLSTON SPA
State:	NY
Zip Code:	12020
Country Code:	001
Phone:	(518) 885-6211
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	rbmulvey
Date Last Modified:	4/20/2011

Site Id:	38295
Affiliation Type:	On-Site Operator
Company Name:	VILLAGE OF BALLSTON SPA
Contact Type:	Not reported
Contact Name:	JEFF GAWRYS
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(518) 885-6211
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	BXHANKIN
Date Last Modified:	9/19/2012

Site Id:	38295
Affiliation Type:	Emergency Contact
Company Name:	VILLAGE OF BALLSTON SPA
Contact Type:	Not reported
Contact Name:	JEFF GAWRYS
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(518) 885-6211
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	BXHANKIN
Date Last Modified:	9/19/2012

Tank Info:

Tank Number:	004
Tank Id:	100130

VILLAGE OF BALLSTON SPA (Continued) **U003076502**

Equipment Records:

F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
L00 - Piping Leak Detection - None
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
B00 - Tank External Protection - None
I00 - Overfill - None

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	1000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	04/12/2011
Register:	True
Modified By:	rbmulvey
Last Modified:	04/20/2011

Tank Number:	005
Tank Id:	100131

Equipment Records:

A00 - Tank Internal Protection - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I00 - Overfill - None

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	250
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	03/03/2004
Register:	True
Modified By:	RLREYELL
Last Modified:	04/14/2006

Tank Number:	008
Tank Id:	211116

VILLAGE OF BALLSTON SPA (Continued) **U003076502**

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
K01 - Spill Prevention - Catch Basin
A00 - Tank Internal Protection - None
J02 - Dispenser - Suction
D00 - Pipe Type - No Piping
E00 - Piping Secondary Containment - None
G09 - Tank Secondary Containment - Modified Double-Walled (Aboveground)
H02 - Tank Leak Detection - Interstitial - Manual Monitoring
L00 - Piping Leak Detection - None

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	12/15/1998
Capacity Gallons:	500
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	rbmulvey
Last Modified:	04/20/2011

HIST AST:

PBS Number:	5-003921
SWIS Code:	4120
Operator:	JOSEPH THOMPSON
Facility Phone:	(518) 885-5711
Facility Addr2:	Not reported
Facility Type:	OTHER
Emergency:	JOSEPH THOMPSON
Emergency Tel:	(518) 885-6211
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	VILLAGE OF BALLSTON SPA
Owner Address:	66 FRONT STREET
Owner City,St,Zip:	BALLSTON SPA, NY 12020
Federal ID:	Not reported
Owner Tel:	(518) 885-5711
Owner Type:	Local Government
Owner Subtype:	Not reported
Mailing Contact:	Not reported
Mailing Name:	VILLAGE OF BALLSTON SPA
Mailing Address:	66 FRONT STREET
Mailing Address 2:	Not reported
Mailing City,St,Zip:	BALLSTON SPA, NY 12020
Mailing Telephone:	(518) 885-5711
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is

VILLAGE OF BALLSTON SPA (Continued) **U003076502**

greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.

Certification Flag:	False
Certification Date:	03/14/2001
Expiration:	04/15/2006
Renew Flag:	False
Renew Date:	19960103
Total Capacity:	3250
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	Minor Data Missing
Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	Not reported
Town or City:	BALLSTON
County Code:	41
Town or City Code:	20
Region:	5

Tank ID:	004
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	1000
Product Stored:	KEROSENE
Tank Type:	Steel/carbon steel
Tank Internal:	0
Tank External:	0
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	0
Tank Containment:	None
Leak Detection:	0
Overfill Protection:	0
Dispenser Method:	Gravity
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

Tank ID:	005
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	250
Product Stored:	UNKNOWN
Tank Type:	Steel/carbon steel
Tank Internal:	0
Tank External:	0
Pipe Location:	None

VILLAGE OF BALLSTON SPA (Continued) **U003076502**

Pipe Type:	NONE
Pipe Internal:	None
Pipe External:	0
Tank Containment:	None
Leak Detection:	0
Overfill Protection:	0
Dispenser Method:	Gravity
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

E26 **VILLAGE OF BALLSTON SPA** **UST** **U004065062**
West **31 CHARLTON STREET** **N/A**
< 1/8 **BALLSTON SPA, NY 12020**
0.089 mi.
471 ft. **Site 3 of 3 in cluster E**

Relative:
Lower

Actual:
271 ft.

UST:

Id/Status:	5-003921 / Active
Region:	STATE
DEC Region:	5
Program Type:	PBS
Expiration Date:	2016/04/15
UTM X:	593362.40567999997
UTM Y:	4761683.5480000004

Affiliation Records:

Site Id:	38295
Affiliation Type:	Owner
Company Name:	VILLAGE OF BALLSTON SPA
Contact Type:	SUPERVISOR
Contact Name:	JEFF GAWRYS
Address1:	66 FRONT STREET
Address2:	Not reported
City:	BALLSTON SPA
State:	NY
Zip Code:	12020
Country Code:	001
Phone:	(518) 885-6211
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	rbmulvey
Date Last Modified:	4/20/2011

Site Id:	38295
Affiliation Type:	Mail Contact
Company Name:	VILLAGE OF BALLSTON SPA
Contact Type:	SUPERVISOR
Contact Name:	JEFF GAWRYS
Address1:	66 FRONT STREET
Address2:	Not reported

VILLAGE OF BALLSTON SPA (Continued) **U004065062**

City: BALLSTON SPA
State: NY
Zip Code: 12020
Country Code: 001
Phone: (518) 885-6211
Phone Ext: Not reported
Email: Not reported
Fax Number: Not reported
Modified By: rbmulvey
Date Last Modified: 4/20/2011

Site Id: 38295
Affiliation Type: On-Site Operator
Company Name: VILLAGE OF BALLSTON SPA
Contact Type: Not reported
Contact Name: JEFF GAWRYS
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 999
Phone: (518) 885-6211
Phone Ext: Not reported
Email: Not reported
Fax Number: Not reported
Modified By: BXHANKIN
Date Last Modified: 9/19/2012

Site Id: 38295
Affiliation Type: Emergency Contact
Company Name: VILLAGE OF BALLSTON SPA
Contact Type: Not reported
Contact Name: JEFF GAWRYS
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 999
Phone: (518) 885-6211
Phone Ext: Not reported
Email: Not reported
Fax Number: Not reported
Modified By: BXHANKIN
Date Last Modified: 9/19/2012

Tank Info:
Site ID: 38295

Tank Number: 001
Tank ID: 100127
Tank Status: Closed Prior to Micro Conversion, 03/91
Tank Type: Steel/carbon steel
Pipe Model: Not reported

Equipment Records:

VILLAGE OF BALLSTON SPA (Continued) **U004065062**

D00 - Pipe Type - No Piping
A00 - Tank Internal Protection - None
F07 - Pipe External Protection - Retrofitted Sacrificial Anode
J02 - Dispenser - Suction
B00 - Tank External Protection - None
G99 - Tank Secondary Containment - Other
H00 - Tank Leak Detection - None
C00 - Pipe Location - No Piping
I00 - Overfill - None

Install Date: 03/01/1983
Capacity Gallons: 2000
Tightness Test Method: NN
Next Test Date: Not reported
Date Tank Closed: Not reported
Tank Location: 5
Tank Type: Steel/carbon steel
Date Test: Not reported
Registered: True
Modified By: TRANSLAT
Last Modified: 03/04/2004

Site ID: 38295

Tank Number: 002
Tank ID: 100128
Tank Status: Closed Prior to Micro Conversion, 03/91
Tank Type: Steel/carbon steel
Pipe Model: Not reported

Equipment Records:

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction
H00 - Tank Leak Detection - None
B00 - Tank External Protection - None
G99 - Tank Secondary Containment - Other
I00 - Overfill - None

Install Date: 09/01/1983
Capacity Gallons: 1000
Tightness Test Method: NN
Next Test Date: Not reported
Date Tank Closed: Not reported
Tank Location: 5
Tank Type: Steel/carbon steel
Date Test: Not reported
Registered: True
Modified By: TRANSLAT
Last Modified: 03/04/2004

Site ID: 38295

Tank Number: 003
Tank ID: 100129
Tank Status: Closed Prior to Micro Conversion, 03/91
Tank Type: Steel/carbon steel
Pipe Model: Not reported

VILLAGE OF BALLSTON SPA (Continued) **U004065062**

Equipment Records:

B00 - Tank External Protection - None
G99 - Tank Secondary Containment - Other
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction
H00 - Tank Leak Detection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I00 - Overfill - None

Install Date:	08/01/1985
Capacity Gallons:	1000
Tightness Test Method:	03
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	07/01/1987
Registered:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Site ID:	38295
Tank Number:	006
Tank ID:	107371
Tank Status:	In Service
Tank Type:	Equivalent technology
Pipe Model:	Not reported

Equipment Records:

C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
J02 - Dispenser - Suction
F06 - Pipe External Protection - Wrapped
G04 - Tank Secondary Containment - Double-Walled (Underground)
A03 - Tank Internal Protection - Fiberglass Liner (FRP)
K01 - Spill Prevention - Catch Basin
D07 - Pipe Type - Plastic
E04 - Piping Secondary Containment - Double-Walled (Underground)
B04 - Tank External Protection - Fiberglass
L01 - Piping Leak Detection - Interstitial - Electronic Monitoring

Install Date:	01/01/1991
Capacity Gallons:	1000
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Equivalent technology
Date Test:	Not reported
Registered:	True
Modified By:	rbmulvey
Last Modified:	04/20/2011
Site ID:	38295

VILLAGE OF BALLSTON SPA (Continued) **U004065062**

Tank Number: 007
Tank ID: 107372
Tank Status: In Service
Tank Type: Equivalent technology
Pipe Model: Not reported

Equipment Records:
A03 - Tank Internal Protection - Fiberglass Liner (FRP)
K01 - Spill Prevention - Catch Basin
J02 - Dispenser - Suction
F06 - Pipe External Protection - Wrapped
C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
D07 - Pipe Type - Plastic
E04 - Piping Secondary Containment - Double-Walled (Underground)
G04 - Tank Secondary Containment - Double-Walled (Underground)
B04 - Tank External Protection - Fiberglass
L01 - Piping Leak Detection - Interstitial - Electronic Monitoring

Install Date: 01/01/1991
Capacity Gallons: 1000
Tightness Test Method: NN
Next Test Date: Not reported
Date Tank Closed: Not reported
Tank Location: 5
Tank Type: Equivalent technology
Date Test: Not reported
Registered: True
Modified By: BXHANKIN
Last Modified: 09/19/2012

D27 **NIMO POLE #5** **NY Spills** **S107409271**
SE **24 REMSON STREET** **N/A**
< 1/8 **BALLSTON SPA, NY**
0.098 mi.
517 ft. **Site 10 of 10 in cluster D**

Relative:
Higher

Actual:
323 ft.

SPILLS:
Facility ID: 0507795
DER Facility ID: 300600
Facility Type: ER
Site ID: 353280
DEC Region: 5
Spill Date: 9/29/2005
Spill Number/Closed Date: 0507795 / 9/29/2006
Spill Cause: Other
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS: 4620
Investigator: MJDIPIET
Referred To: Not reported
Reported to Dept: 9/29/2005
CID: 444
Water Affected: Not reported
Spill Source: Institutional, Educational, Gov., Other
Spill Notifier: Responsible Party
Cleanup Ceased: Not reported
Cleanup Meets Std: False

NIMO POLE #5 (Continued) **S107409271**

Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	9/29/2005
Spill Record Last Update:	9/29/2006
Spiller Name:	BARBARBA SCHEURER
Spiller Company:	NIMO POLE #5
Spiller Address:	24 REMSON STREET
Spiller City,St,Zip:	BALLSTON SPA, NY
Spiller Company:	001
Contact Name:	BARBARBA SCHEURER
Contact Phone:	(518) 433-3696
DEC Memo:	RFC: NIMO performed cleanup.
Remarks:	DUE TO STORM: CREW ENROUTE TO CONTAINE AND CLEAN

Material:

Site ID:	353280
Operable Unit ID:	1110742
Operable Unit:	01
Material ID:	2100782
Material Code:	0020A
Material Name:	TRANSFORMER OIL
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	3
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

F28 **ROADWAY** **NY Spills** **S103482456**
NE **WASHINGTON AND BATH ST** **NY Hist Spills** **N/A**
< 1/8 **BALLSTON SPA, NY**
0.102 mi.
540 ft. **Site 1 of 2 in cluster F**

Relative:
Lower

Actual:
265 ft.

SPILLS:

Facility ID:	9803719
DER Facility ID:	75454
Facility Type:	ER
Site ID:	81581
DEC Region:	5
Spill Date:	6/23/1998
Spill Number/Closed Date:	9803719 / 7/13/1998
Spill Cause:	Unknown
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4600
Investigator:	ALKARWIE
Referred To:	Not reported
Reported to Dept:	6/23/1998
CID:	281
Water Affected:	Not reported
Spill Source:	Unknown

ROADWAY (Continued) **S103482456**

Spill Notifier:	Citizen
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	6/23/1998
Spill Record Last Update:	7/14/1998
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	DARCY STEWART
Contact Phone:	(518) 885-5111
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "AK"
Remarks:	CITIZEN REPORTED AN UNKOWN MATERIAL SPILLED IN THE ROADWAY AT ABOVE LOCATION. FIRE DEPARTMENT APPLIED SPEEDY DRY AND SAND. UNKNOWN WHO IS RESPONSIBLE FOR SPILL. FIRE DEPARTMENT WILL TAKE CARE OF CLEAN UP. NO CALL BACK REQUESTED.

Material:

Site ID:	81581
Operable Unit ID:	1064538
Operable Unit:	01
Material ID:	322038
Material Code:	0008
Material Name:	Diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

NY Hist Spills:

Region of Spill:	5
Spill Number/Closed Date:	9803719 / 07/13/98
Investigator:	AK
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	06/23/1998 15:48
Reported to Dept Date/Time:	06/23/98 16:13
SWIS:	41
Spiller Name:	UNKNOWN
Spiller Contact:	Not reported
Spiller Phone:	Not reported

ROADWAY (Continued) **S103482456**

Spiller Contact: DARCY STEWART
Spiller Phone: (518) 885-5111
Spiller Address: Not reported
Spiller City,St,Zip: Not reported
Spill Cause: Unknown
Reported to Dept: On Land
Water Affected: Not reported
Spill Source: 12
Spill Notifier: Citizen
PBS Number: Not reported
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 06/23/98
Date Spill Entered In Computer Data File: Not reported
Update Date: 07/14/98
Is Updated: False

Tank:

Material:
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: DIESEL
Class Type: DIESEL
Times Material Entry In File: 10625
CAS Number: Not reported
Last Date: 19940728
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: DIESEL
Class Type: DIESEL
Times Material Entry In File: 10625
CAS Number: Not reported
Last Date: 19940728
DEC Remarks: Not reported
Remark: CITIZEN REPORTED AN UNKOWN MATERIAL SPILLED IN THE ROADWAY AT ABOVE LOCATION. FIRE DEPARTMENT APPLIED SPEEDY DRY AND SAND. UNKNOWN WHO IS RESPONSIBLE FOR SPILL. FIRE DEPARTMENT WILL TAKE CARE OF CLEAN UP. NO CALL BACK REQUESTED.

29
SW
< 1/8
0.107 mi.
565 ft.

R. H. CROWN CO.
BALLSTON AVE & WEST HIGH
BALLSTON SPA, NY

NY Spills **S103035894**
NY Hist Spills **N/A**

Relative:
Higher

Actual:
306 ft.

SPILLS:

Facility ID:	9314958
DER Facility ID:	150164
Facility Type:	ER
Site ID:	178897
DEC Region:	5
Spill Date:	3/22/1994
Spill Number/Closed Date:	9314958 / 3/22/1994
Spill Cause:	Human Error
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4600
Investigator:	MCMASTERS
Referred To:	Not reported
Reported to Dept:	3/22/1994
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Tank Truck
Spill Notifier:	Police Department
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	3/22/1994
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	3/22/1994
Spill Record Last Update:	3/4/1998
Spiller Name:	DEAN
Spiller Company:	R. H. CROWN CO.
Spiller Address:	Not reported
Spiller City,St,Zip:	JOHNSTOWN, NY 12095
Spiller Company:	001
Contact Name:	KATHLEEN MALONE
Contact Phone:	(518) 885-5111
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SM"SM ON SITE 3/22/94. 35-GALLON DRUM OF GEAR OIL FELL OUT; SAND SWEPT UP AND DRUMMED. R. H. CROWN TRANSPORTED TO JOHNSTOWN FACILITY; WILL FORWARD DISPOSAL RECEIPTS.RFC: SPILL CLEANED UP.
Remarks:	BARRELS FELL OFF BACK OF TRUCK BREAKING ONTO ROAD; FIRE CO AND TOWN HIGHWAY CREWS HAVE APPLIED SAND AND SPEEDY DRY TO SPILL.

Material:

Site ID:	178897
Operable Unit ID:	993239
Operable Unit:	01
Material ID:	386733
Material Code:	0015
Material Name:	Motor Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	35
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported

R. H. CROWN CO. (Continued) **S103035894**

Oxygenate:	False
Site ID:	178897
Operable Unit ID:	993239
Operable Unit:	01
Material ID:	386734
Material Code:	0043A
Material Name:	ANTIFREEZE
Case No.:	Not reported
Material FA:	Other
Quantity:	3
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

NY Hist Spills:

Region of Spill:	5
Spill Number/Closed Date:	9314958 / 03/22/94
Investigator:	SM
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	03/22/1994 11:17
Reported to Dept Date/Time:	03/22/94 11:51
SWIS:	41
Spiller Name:	R. H. CROWN CO.
Spiller Contact:	DEAN
Spiller Phone:	(518) 762-4589
Spiller Contact:	KATHLEEN MALONE
Spiller Phone:	(518) 885-5111
Spiller Address:	Not reported
Spiller City,St,Zip:	JOHNSTOWN, NY 12095
Spill Cause:	Human Error
Reported to Dept:	On Land
Water Affected:	Not reported
Spill Source:	08
Spill Notifier:	Police Department
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	03/22/94
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /

R. H. CROWN CO. (Continued) **S103035894**

Date Spill Entered In Computer Data File: 03/22/94
Date Spill Entered In Computer Data File: Not reported
Update Date: 03/04/98
Is Updated: False

Tank:

Material:
Material Class Type: Petroleum
Quantity Spilled: 35
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: True
Material: MOTOR OIL
Class Type: MOTOR OIL
Times Material Entry In File: 508
CAS Number: Not reported
Last Date: 19940728
Material Class Type: Hazardous Material
Quantity Spilled: 3
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: True
Material: ANTIFREEZE
Class Type: ANTIFREEZE
Times Material Entry In File: 0
CAS Number: Not reported
Last Date: Not reported
Material Class Type: Petroleum
Quantity Spilled: 35
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: True
Material: MOTOR OIL
Class Type: MOTOR OIL
Times Material Entry In File: 508
CAS Number: Not reported
Last Date: 19940728
Material Class Type: Hazardous Material
Quantity Spilled: 3
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: True
Material: ANTIFREEZE
Class Type: ANTIFREEZE
Times Material Entry In File: 0
CAS Number: Not reported
Last Date: Not reported
DEC Remarks: SM ON SITE 3/22/94. 35-GALLON DRUM OF GEAR OIL FELL OUT; SAND SWEPT UP AND DRUMMED. R. H. CROWN TRANSPORTED TO JOHNSTOWN FACILITY; WILL FORWARD DISPOSAL RECEIPTS. RFC: SPILL CLEANED UP.
Remark: BARRELS FELL OFF BACK OF TRUCK BREAKING ONTO ROAD; FIRE CO AND TOWN HIGHWAY CREWS HAVE APPLIED SAND AND SPEEDY DRY TO SPILL.

F30
NNE
< 1/8
0.121 mi.
638 ft.

Relative:
Lower

Actual:
261 ft.

85 BATH ST
BALLSTON SPA, NY 12020

Site 2 of 2 in cluster F

EDR US Hist Auto Stat **1015655128**
N/A

EDR Historical Auto Stations:

Name:	PORTERS AUTO REPR
Year:	1999
Address:	85 BATH ST
Name:	PORTERS AUTO REPR
Year:	2000
Address:	85 BATH ST
Name:	PORTERS AUTO REPAIR
Year:	2001
Address:	85 BATH ST
Name:	PORTERS AUTO REPAIR
Year:	2002
Address:	85 BATH ST
Name:	PORTERS AUTO REPR
Year:	2003
Address:	85 BATH ST
Name:	PORTERS AUTO REPR
Year:	2004
Address:	85 BATH ST
Name:	PORTERS AUTO REPR
Year:	2005
Address:	85 BATH ST
Name:	PORTERS AUTO REPAIR
Year:	2006
Address:	85 BATH ST
Name:	PORTERS AUTO REPAIR
Year:	2007
Address:	85 BATH ST
Name:	PORTERS AUTO REPAIR
Year:	2008
Address:	85 BATH ST
Name:	PORTERS AUTO REPAIR
Year:	2009
Address:	85 BATH ST
Name:	PORTERS AUTO REPAIR
Year:	2010
Address:	85 BATH ST
Name:	PORTERS AUTO REPAIR
Year:	2011
Address:	85 BATH ST

(Continued) **1015655128**

Name: PORTERS AUTO REPAIR
Year: 2012
Address: 85 BATH ST

G31 **PRESBYTERIAN CHURCH** **NY Spills** **S105996234**
ESE **22 WEST HIGH STREET** **N/A**
< 1/8 **BALLSTON SPA, NY**
0.124 mi.
655 ft. **Site 1 of 3 in cluster G**

Relative:
Higher

Actual:
314 ft.

SPILLS:

Facility ID:	0203733
DER Facility ID:	131206
Facility Type:	ER
Site ID:	154787
DEC Region:	5
Spill Date:	7/9/2002
Spill Number/Closed Date:	0203733 / 3/8/2011
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4620
Investigator:	AJFRANK
Referred To:	Not reported
Reported to Dept:	7/9/2002
CID:	396
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	7/9/2002
Spill Record Last Update:	3/8/2011
Spiller Name:	CHUCK HIGGLY
Spiller Company:	PRESBYTERIAN CHURCH
Spiller Address:	22 WEST HIGH STREET
Spiller City,St,Zip:	BALLSTON SPA, NY 12020-
Spiller Company:	001
Contact Name:	PAUL VOGEL
Contact Phone:	(518) 623-3630
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "AF"07/09/02: AF on-site prior to tank removal. Evidence of contamination along the bottom third of the tank still in the ground. Site not condusive to stockpiling soil and the church needs time to understand the requirements, so contractor advised to seperate clean overburden, place discovery sheet after the tank is removed and backfill to reduce safety issues in village setting. MC Env. to do the tank cleaning.08/06/02: Had conversations with church officials and lawyer for the church regarding conditions. Excavator removing the tank is now out of business but the tank cleaner confirmed there were holes in the bottom of the tank. Church advised to review insurance policies and to get bids from various contractors to undertake a phased clean-up. Have been contacted by a couple contractors who are putting bids together about the site

PRESBYTERIAN CHURCH (Continued) **S105996234**

conditions.10/29/02: AF on-site during soil dig by PES. Excavation walls cleaned up quickly in all directions except toward church foundation. Bottom clean as well in heavy till hoilding up perched water. Church basement was assessed with a PID by PES w/ AF, Malcolm Pirney and church reps present. No evidence of indoor air issues. Post-ex samples with include clean walls and floor and characterization of material unretrievable against foundation.RFC = no further action required

Remarks: While doing a tank pull, contaminated soil was found.

Material:

Site ID:	154787
Operable Unit ID:	856603
Operable Unit:	01
Material ID:	521550
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	154787
Spill Tank Test:	1527265
Tank Number:	Not reported
Tank Size:	0
Test Method:	00
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Unknown
Site ID:	154787
Spill Tank Test:	1527266
Tank Number:	Not reported
Tank Size:	275
Test Method:	00
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Unknown

32
East
1/8-1/4
0.130 mi.
685 ft.

TUFFLITE PLASTICS INC
19 LOW STREET
BALLSTON SPA, NY 12020

UST
HIST UST

1000546139
N/A

Relative:
Higher

Actual:
288 ft.

UST:

Id/Status:	5-261394 / Unregulated
Region:	STATE
DEC Region:	5
Program Type:	PBS
Expiration Date:	N/A
UTM X:	593770.60637000005
UTM Y:	4761705.8984899996

Affiliation Records:

Site Id:	39175
Affiliation Type:	Owner
Company Name:	TUFFLITE PLASTICS INC
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	19 LOW STREET
Address2:	Not reported
City:	BALLSTON SPA
State:	NY
Zip Code:	12020
Country Code:	001
Phone:	(518) 885-5321
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	39175
Affiliation Type:	Mail Contact
Company Name:	PROPERTIES EXCHANGE, INC.
Contact Type:	Not reported
Contact Name:	KURT KOLAKOWSKI
Address1:	8 BLUE JAY WAY
Address2:	Not reported
City:	REXFORD
State:	NY
Zip Code:	12148
Country Code:	001
Phone:	Not reported
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	39175
Affiliation Type:	On-Site Operator
Company Name:	TUFFLITE PLASTICS INC
Contact Type:	Not reported
Contact Name:	TUFFLITE PLASTICS INC
Address1:	Not reported
Address2:	Not reported
City:	Not reported

TUFFLITE PLASTICS INC (Continued) **1000546139**

State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(518) 885-5321
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004
Site Id:	39175
Affiliation Type:	Emergency Contact
Company Name:	TUFFLITE PLASTICS INC
Contact Type:	Not reported
Contact Name:	ROBERT W SCHOCK
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(518) 885-7453
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Site ID:	39175
Tank Number:	001
Tank ID:	103338
Tank Status:	Closed - In Place
Tank Type:	Steel/carbon steel
Pipe Model:	Not reported

Equipment Records:

G00 - Tank Secondary Containment - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
H00 - Tank Leak Detection - None
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
C02 - Pipe Location - Underground/On-ground
I00 - Overfill - None

Install Date:	Not reported
Capacity Gallons:	10000
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	04/01/2000
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Registered:	True
Modified By:	TRANSLAT

TUFFLITE PLASTICS INC (Continued) **1000546139**

Last Modified: 03/04/2004

Site ID: 39175

Tank Number: 002
Tank ID: 103339
Tank Status: Closed Prior to Micro Conversion, 03/91
Tank Type: Steel/carbon steel
Pipe Model: Not reported

Equipment Records:
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
G00 - Tank Secondary Containment - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None
I00 - Overfill - None
Install Date: Not reported
Capacity Gallons: 2000
Tightness Test Method: NN
Next Test Date: Not reported
Date Tank Closed: Not reported
Tank Location: 5
Tank Type: Steel/carbon steel
Date Test: Not reported
Registered: True
Modified By: TRANSLAT
Last Modified: 03/04/2004

HIST UST:
PBS Number: 5-261394
SPDES Number: Not reported
Emergency Contact: ROBERT W SCHOCK
Emergency Telephone: (518) 885-7453
Operator: TUFFLITE PLASTICS INC
Operator Telephone: (518) 885-5321
Owner Name: TUFFLITE PLASTICS INC
Owner Address: 19 LOW STREET
Owner City,St,Zip: BALLSTON SPA, NY 12020
Owner Telephone: (518) 885-5321
Owner Type: Corporate/Commercial
Owner Subtype: Not reported
Mailing Name: PROPERTIES EXCHANGE, INC.
Mailing Address: 8 BLUE JAY WAY
Mailing Address 2: Not reported
Mailing City,St,Zip: REXFORD, NY 12148
Mailing Contact: KURT KOLAKOWSKI
Mailing Telephone: (000) 000-0000
Owner Mark: First Owner
Facility Status: 2 - Unregulated by PBS (the total capacity is less than 1,101 gallons) and Subpart 360-14.
Facility Addr2: Not reported
SWIS ID: 4120
Old PBS Number: Not reported

TUFFLITE PLASTICS INC (Continued) **1000546139**

Facility Type:	MANUFACTURING
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	04/09/1992
Expiration Date:	06/05/1997
Renew Flag:	False
Renewal Date:	19970604
Total Capacity:	0
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	0
Dead Letter:	False
CBS Number:	Not reported
Town or City:	BALLSTON
County Code:	41
Town or City:	20
Region:	5

Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	Not reported
Capacity (gals):	10000
Product Stored:	NOS 5 OR 6 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Underground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	04/01/2000
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	002
Tank Location:	UNDERGROUND
Tank Status:	Closed Before April 1, 1991
Install Date:	Not reported
Capacity (gals):	2000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported

TUFFLITE PLASTICS INC (Continued) **1000546139**

Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
Lat/long:	Not reported

G33 **SARATOGA COUNTY D P W - GARAGE** **RCRA NonGen / NLR** **1000912515**
ESE **NYS RTE 67 & W HIGH ST** **FINDS** **NY0000841536**
1/8-1/4 **BALLSTON SPA, NY 12020** **MANIFEST**
0.131 mi. **MANIFEST**
692 ft. **Site 2 of 3 in cluster G**

Relative:
Higher

Actual:
315 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	SARATOGA COUNTY D P W - GARAGE
Facility address:	NYS RTE 67 & W HIGH ST BALLSTON SPA, NY 12020
EPA ID:	NY0000841536
Mailing address:	GALWAY RD BALLSTON SPA, NY 120202517
Contact:	THOMAS A SPEZIALE JR
Contact address:	GALWAY RD BALLSTON SPA, NY 120202517
Contact country:	US
Contact telephone:	(518) 885-2235
Contact email:	Not reported
EPA Region:	02
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	SARATOGA COUNTY DPW
Owner/operator address:	3654 GALWAY RD BALLSTON SPA, NY 12020
Owner/operator country:	US
Owner/operator telephone:	(518) 885-2235
Legal status:	County
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	SARATOGA COUNTY DPW
Owner/operator address:	3654 GALWAY RD BALLSTON SPA, NY 12020

SARATOGA COUNTY D P W - GARAGE (Continued) **1000912515**

Owner/operator country: US
Owner/operator telephone: (518) 885-2235
Legal status: County
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: SARATOGA COUNTY D P W - GARAGE
Classification: Not a generator, verified

Date form received by agency: 10/15/2002
Facility name: SARATOGA COUNTY D P W - GARAGE
Classification: Not a generator, verified

Date form received by agency: 04/04/1995
Facility name: SARATOGA COUNTY D P W - GARAGE
Classification: Not a generator, verified

Date form received by agency: 09/27/1994
Facility name: SARATOGA COUNTY D P W - GARAGE
Classification: Large Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 03/04/2005
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110007988883

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource

SARATOGA COUNTY D P W - GARAGE (Continued) **1000912515**

Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NJ MANIFEST:

Manifest Code:	004487961JJK
EPA ID:	NY0000841536
Date Shipped:	11/03/2009
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NY0001031814
Transporter 2 EPA ID:	NJ0000027193
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	11/03/2009
Date Trans2 Transported Waste:	11/06/2009
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	11/09/2009
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	D001

SARATOGA COUNTY D P W - GARAGE (Continued) **1000912515**

Manifest Year:	2009 New Jersey Manifest Data
Quantity:	320
Unit:	P
Hand Code:	H061
Waste Code:	D002
Manifest Year:	2009 New Jersey Manifest Data
Quantity:	5
Unit:	P
Hand Code:	H141
Waste Code:	D002
Manifest Year:	2009 New Jersey Manifest Data
Quantity:	700
Unit:	P
Hand Code:	H141

NY MANIFEST:

EPA ID:	NY0000841536
Country:	USA
Mailing Name:	SARATOGA COUNTY GARAGE
Mailing Contact:	THOMAS A SPEXIALE
Mailing Address:	3654 GALWAY ROAD
Mailing Address 2:	Not reported
Mailing City:	BALLSTON SPA
Mailing State:	NY
Mailing Zip:	12020
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	518-885-2235
Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NY0001031814
Trans2 State ID:	NJ0000027193
Generator Ship Date:	2009-11-03
Trans1 Recv Date:	2009-11-03
Trans2 Recv Date:	2009-11-06
TSD Site Recv Date:	2009-11-09
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000841536
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	700.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	CW - Wooden boxes
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2009
Manifest Tracking Num:	004487961JJK

SARATOGA COUNTY D P W - GARAGE (Continued) **1000912515**

Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	LAA3299556
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NY9A27811
Trans2 State ID:	Not reported
Generator Ship Date:	941101
Trans1 Recv Date:	941101
Trans2 Recv Date:	941102
TSD Site Recv Date:	941107
Part A Recv Date:	941109
Part B Recv Date:	941216
Generator EPA ID:	NY0000841536
Trans1 EPA ID:	NYD980769947
Trans2 EPA ID:	LAD981057706
TSDF ID:	LAD981057706
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00605
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	011
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	94

Document ID:	NJA2003201
Manifest Status:	Completed copy
Trans1 State ID:	S10340
Trans2 State ID:	Not reported
Generator Ship Date:	941207
Trans1 Recv Date:	941207
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	941207
Part A Recv Date:	950419
Part B Recv Date:	941222
Generator EPA ID:	NY0000841536
Trans1 EPA ID:	NJD981873664
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00085
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.

SARATOGA COUNTY D P W - GARAGE (Continued) **1000912515**

Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00140
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	94

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NY0001031814
Trans2 State ID:	NJ0000027193
Generator Ship Date:	2009-11-03
Trans1 Recv Date:	2009-11-03
Trans2 Recv Date:	2009-11-06
TSD Site Recv Date:	2009-11-09
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000841536
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	320.0
Units:	P - Pounds
Number of Containers:	2.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2009
Manifest Tracking Num:	004487961JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NY0001031814

SARATOGA COUNTY D P W - GARAGE (Continued) **1000912515**

Trans2 State ID:	NJ0000027193
Generator Ship Date:	2009-11-03
Trans1 Recv Date:	2009-11-03
Trans2 Recv Date:	2009-11-06
TSD Site Recv Date:	2009-11-09
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000841536
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	5.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2009
Manifest Tracking Num:	004487961JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

G34 **CLUTE RESIDENCE** **LTANKS** **S104782239**
ESE **18 WEST HIGH ST** **HIST LTANKS** **N/A**
1/8-1/4 **BALLSTON SPA, NY**
0.132 mi.
695 ft. **Site 3 of 3 in cluster G**

Relative:
Higher

Actual:
315 ft.

LTANKS:

Site ID:	177160
Spill Number/Closed Date:	0006709 / 1/8/2001
Spill Date:	9/6/2000
Spill Cause:	Tank Failure
Spill Source:	Private Dwelling
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4600
Investigator:	AJFRANK
Referred To:	Not reported
Reported to Dept:	9/6/2000
CID:	205
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False

CLUTE RESIDENCE (Continued) **S104782239**

Remediation Phase:	0
Date Entered In Computer:	9/6/2000
Spill Record Last Update:	1/8/2001
Spiller Name:	CHARLES CLUTE - WORK #
Spiller Company:	CHARLES CLUTE
Spiller Address:	18 WEST HIGH ST
Spiller City,St,Zip:	BALLSTON SPA, NY 12020-
Spiller County:	001
Spiller Contact:	CALLER
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	5
DER Facility ID:	148881
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "AF"09/06/00: GS spoke with Mr. Barkman; 2K tank removal, holes on one end of tank. Found black soil, dug down about one foot, found "normal" soil. Only a few inches of product were in the tank to start. Tank has been removed and is on site for inspection. Contaminated soil removal to begin on 9/7/00. GS advised to stockpile on poly until AF can inspect.09/07/00: AF site visit. Tank had been out of service for over a decade - tank condition currently poor containing water with light petroleum sheen - pumped and removed. Public water source in Ballston - soil to be excavated and transported for disposal. Some water in hole, appears to be perched rather than water table.01/08/01: data/receipts received 10/16 - post-ex sample non-detect for 8021/8270. ESMI receipts for 20 tons of contaminated soil.RFC = contaminated source removed, no further action required.
Remarks:	Contaminated soil on tank removal.

Material:

Site ID:	177160
Operable Unit ID:	829530
Operable Unit:	01
Material ID:	547814
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

HIST LTANKS:

Region of Spill:	5
Spill Number/Closed Date:	0006709 / 01/08/01
Spill Date:	09/06/2000
Spill Time:	13:30
Spill Cause:	Tank Failure
Resource Affectd:	On Land
Water Affected:	Not reported

CLUTE RESIDENCE (Continued) **S104782239**

Spill Source:	Private Dwelling
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	/ /
Cleanup Meets Standard:	False
Investigator:	AF
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Reported to Department Date:	09/06/00
Reported to Department Time:	14:45
SWIS:	41
Spiller Contact:	CALLER
Spiller Phone:	( ) -
Spiller Extention:	Not reported
Spiller Name:	CHARLES CLUTE
Spiller Address:	18 WEST HIGH ST
Spiller City,St,Zip:	BALLSTON SPA, NY 12020-
Spiller Cleanup Date:	/ /
Facility Contact:	CHARLES CLUTE - WORK #
Facility Phone:	(518) 262-3189
Facility Extention:	Not reported
Spill Notifier:	Responsible Party
PBS Number:	Not reported
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	False
Date Region Sent Summary to Central Office:	/ /
Corrective Action Plan Submitted:	/ /
Date Spill Entered In Computer Data File:	09/06/00
Time Spill Entered In Computer Data File:	Not reported
Spill Record Last Update:	01/08/01
Is Updated:	False

Tank:

Material:

Material Class Type:	Petroleum
Quantity Spilled:	0
Unkonwn Quantity Spilled:	True
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	True
Material:	#2 FUEL OIL
Class Type:	#2 FUEL OIL
Times Material Entry In File:	24464
CAS Number:	Not reported
Last Date:	19941207
Material Class Type:	Petroleum
Quantity Spilled:	0

CLUTE RESIDENCE (Continued) **S104782239**

Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: True
Material: #2 FUEL OIL
Class Type: #2 FUEL OIL
Times Material Entry In File: 24464
CAS Number: Not reported
Last Date: 19941207
DEC Remarks: 09/06/00: GS spoke with Mr. Barkman; 2K tank removal, holes on one end of tank. Found black soil, dug down about one foot, found normal soil. Only a few inches of product were in the tank to start. Tank has been removed and is on site for inspection. Contaminated soil removal to begin on 9/7/00. GS advised to stockpile on poly until AF can inspect. 09/07/00: AF site visit. Tank had been out of service for over a decade - tank condition currently poor containing water with light petroleum sheen - pumped and removed. Public water source in Ballston - soil to be excavated and transported for disposal. Some water in hole, appears to be perched rather than water table. 01/08/01: data/receipts received 10/16 - post-ex sample non-detect for 8021/8270. ESMI receipts for 20 tons of contaminated soil. RFC = contaminated source removed, no further action required.
Spill Cause: Contaminated soil on tank removal.

H35 **ANGELICA TEXTILE** **CBS AST** **S103825097**
NNE **125 BATH STREET** **N/A**
1/8-1/4 **BALLSTON SPA, NY 12020**
0.164 mi.
868 ft. **Site 1 of 4 in cluster H**

Relative:
Lower

Actual:
244 ft.

CBS AST:
CBS Number: 5-000024
Region: STATE
ICS Number: 5-700169
PBS Number: 5-229474
MOSF Number: Not reported
Telephone: (518) 885-8504
Facility Town: BALLSTON
Operator: KEVIN NOWAK
Emrgncy Contact: KENNETH BARNES
Emrgncy Phone: (518) 885-8504
Expiration Date: 05/19/2001
Owner Name: ANGELICA TEXTILE SERVICES, INC.
Owner Address: 424 SOUTH WOODS MILL ROAD
Owner City,St,Zip: CHESTERFIELD, MO 63017-3406
Owner Telephone: (314) 854-3406
Owner type: Corporate/Commercial
Facility Type: FARM
Mail Name: ANGELICA TEXTILE
Mail Contact Addr: 125 BATH STREET
Mail Contact Addr2: Not reported
Mail Contact Contact: KENNETH BARNES
Mail Contact City,St,Zip: BALSTON SPA, NY 12020
Mail Phone: (518) 885-8504
SPDES Number: Not reported
Facility Status: ACTIVE FACILITY
Owner Sub Type: Not reported

Tank Id: 034

ANGELICA TEXTILE (Continued) **S103825097**

Date Entered:	05/02/1995
Capacity (Gal):	5000
Chemical:	Sodium hydroxide
Tank Closed:	01/01
Tank Status:	0
Tank Type:	Steel/carbon steel
Install Date:	12/83
Certified Date:	03/08/1999
CAS Number:	1310732
Substance:	More than one Hazardous Substance on DEC List
Tank Location:	ABOVEGROUND
Intrnl Protection:	None
Extrnl Protection:	None
Pipe Location:	Aboveground
Pipe Type:	PLASTIC
Pipe Internal:	None
Pipe External:	0
Pipe Containment:	None
Tank Containment:	Diking
Leak Detection:	None
Overfill Protection:	None
Haz Percent:	9
Total Tanks:	0
Tank Secret:	False
Last Test:	Not reported
Due Date:	Not reported
Tank Error Status:	No Missing Data
SWIS Code:	4120
Lat/Long:	Not reported
Pipe Flag:	False
Federal ID:	Not reported
Is Updated:	F
Renew Date:	02/01/93
Is it There:	F
Deliquent:	F
Date Expired:	05/19/95
Owner Mark:	1
Certificate Needs to be Printed:	False
Fiscal Amt for Registration Fee Correct:	True
Renewal Has Been Printed for Facility:	True
Pre-Printed Renewal App Last Printed:	01/29/2001
Total Capacity of All Active Tanks(gal):	0

Tank Id:	035
Date Entered:	03/31/1997
Capacity (Gal):	500
Chemical:	Phosphoric acid
Tank Closed:	01/01
Tank Status:	0
Tank Type:	Fiberglass reinforced plastic [FRP]
Install Date:	12/83
Certified Date:	03/08/1999
CAS Number:	7664382
Substance:	Single Hazardous Substance on DEC List
Tank Location:	ABOVEGROUND
Intrnl Protection:	None

ANGELICA TEXTILE (Continued) **S103825097**

Extrnl Protection:	None
Pipe Location:	Aboveground
Pipe Type:	PLASTIC
Pipe Internal:	None
Pipe External:	0
Pipe Containment:	None
Tank Containment:	Diking
Leak Detection:	None
Overfill Protection:	None
Haz Percent:	100
Total Tanks:	0
Tank Secret:	False
Last Test:	Not reported
Due Date:	Not reported
Tank Error Status:	No Missing Data
SWIS Code:	4120
Lat/Long:	Not reported
Pipe Flag:	False
Federal ID:	Not reported
Is Updated:	F
Renew Date:	02/01/93
Is it There:	F
Deliquent:	F
Date Expired:	05/19/95
Owner Mark:	1
Certificate Needs to be Printed:	False
Fiscal Amt for Registration Fee Correct:	True
Renewal Has Been Printed for Facility:	True
Pre-Printed Renewal App Last Printed:	01/29/2001
Total Capacity of All Active Tanks(gal):	0

Tank Id:	033
Date Entered:	05/19/1989
Capacity (Gal):	300
Chemical:	Sodium hypochlorite
Tank Closed:	01/01
Tank Status:	0
Tank Type:	Fiberglass reinforced plastic [FRP]
Install Date:	12/83
Certified Date:	03/08/1999
CAS Number:	7681529
Substance:	Single Hazardous Substance on DEC List
Tank Location:	ABOVEGROUND
Intrnl Protection:	None
Extrnl Protection:	None
Pipe Location:	Aboveground
Pipe Type:	PLASTIC
Pipe Internal:	None
Pipe External:	0
Pipe Containment:	None
Tank Containment:	Diking
Leak Detection:	None
Overfill Protection:	None
Haz Percent:	100
Total Tanks:	0
Tank Secret:	False

ANGELICA TEXTILE (Continued) **S103825097**

Last Test:	Not reported
Due Date:	Not reported
Tank Error Status:	No Missing Data
SWIS Code:	4120
Lat/Long:	Not reported
Pipe Flag:	False
Federal ID:	Not reported
Is Updated:	F
Renew Date:	02/01/93
Is it There:	F
Deliquent:	F
Date Expired:	05/19/95
Owner Mark:	1
Certificate Needs to be Printed:	False
Fiscal Amt for Registration Fee Correct:	True
Renewal Has Been Printed for Facility:	True
Pre-Printed Renewal App Last Printed:	01/29/2001
Total Capacity of All Active Tanks(gal):	0

Tank Id:	031
Date Entered:	05/19/1989
Capacity (Gal):	300
Chemical:	Sodium hypochlorite
Tank Closed:	01/01
Tank Status:	0
Tank Type:	Fiberglass reinforced plastic [FRP]
Install Date:	12/83
Certified Date:	03/08/1999
CAS Number:	7681529
Substance:	Single Hazardous Substance on DEC List
Tank Location:	ABOVEGROUND
Intrnl Protection:	None
Extrnl Protection:	None
Pipe Location:	Aboveground
Pipe Type:	PLASTIC
Pipe Internal:	None
Pipe External:	0
Pipe Containment:	None
Tank Containment:	Diking
Leak Detection:	None
Overfill Protection:	None
Haz Percent:	100
Total Tanks:	0
Tank Secret:	False
Last Test:	Not reported
Due Date:	Not reported
Tank Error Status:	No Missing Data
SWIS Code:	4120
Lat/Long:	Not reported
Pipe Flag:	False
Federal ID:	Not reported
Is Updated:	F
Renew Date:	02/01/93
Is it There:	F
Deliquent:	F
Date Expired:	05/19/95

ANGELICA TEXTILE (Continued) **S103825097**

Owner Mark: 1
Certificate Needs to be Printed: False
Fiscal Amt for Registration Fee Correct: True
Renewal Has Been Printed for Facility: True
Pre-Printed Renewal App Last Printed: 01/29/2001
Total Capacity of All Active Tanks(gal): 0

Tank Id: 032
Date Entered: 05/19/1989
Capacity (Gal): 500
Chemical: Phosphoric acid
Tank Closed: 01/01
Tank Status: 0
Tank Type: Fiberglass reinforced plastic [FRP]
Install Date: 12/83
Certified Date: 03/08/1999
CAS Number: 7664382
Substance: Single Hazardous Substance on DEC List
Tank Location: ABOVEGROUND
Intrnl Protection: None
Extrnl Protection: None
Pipe Location: Aboveground
Pipe Type: PLASTIC
Pipe Internal: None
Pipe External: 0
Pipe Containment: None
Tank Containment: Diking
Leak Detection: None
Overfill Protection: None
Haz Percent: 100
Total Tanks: 0
Tank Secret: False
Last Test: Not reported
Due Date: Not reported
Tank Error Status: No Missing Data
SWIS Code: 4120
Lat/Long: Not reported
Pipe Flag: False
Federal ID: Not reported
Is Updated: F
Renew Date: 02/01/93
Is it There: F
Deliquent: F
Date Expired: 05/19/95
Owner Mark: 1
Certificate Needs to be Printed: False
Fiscal Amt for Registration Fee Correct: True
Renewal Has Been Printed for Facility: True
Pre-Printed Renewal App Last Printed: 01/29/2001
Total Capacity of All Active Tanks(gal): 0

Click this hyperlink while viewing on your computer to access
1 additional NY_AST_CBS: record(s) in the EDR Site Report.

H36 **ANGELICA HEALTHCARE SERVICES** **UST** **U004081005**
NNE **125 BATH STREET** **N/A**
1/8-1/4 **BALLSTON SPA, NY 12020**
0.164 mi.
868 ft. **Site 2 of 4 in cluster H**

Relative:
Lower

Actual:
244 ft.

UST:

Id/Status:	5-229474 / Unregulated
Region:	STATE
DEC Region:	5
Program Type:	PBS
Expiration Date:	N/A
UTM X:	593613.03092000005
UTM Y:	4762021.4043300003

Affiliation Records:

Site Id:	39001
Affiliation Type:	Owner
Company Name:	ANGELICA HEALTHCARE SERVICES
Contact Type:	EHS MANAGER
Contact Name:	KEVIN MCDONOUGH
Address1:	1105 LAKEWOOD PARKWAY, SUITE 210
Address2:	Not reported
City:	ALPHARETTA
State:	GA
Zip Code:	30009
Country Code:	001
Phone:	(518) 708-3836
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	CGFREEDM
Date Last Modified:	8/30/2012

Site Id:	39001
Affiliation Type:	Mail Contact
Company Name:	ANGELICA HEALTHCARE SERVICES
Contact Type:	Not reported
Contact Name:	KEVIN MCDONOUGH
Address1:	1105 LAKEWOOD PARKWAY
Address2:	SUITE 210
City:	ALPHARETTA
State:	GA
Zip Code:	30009
Country Code:	001
Phone:	(518) 708-3836
Phone Ext:	Not reported
Email:	KMCDONOUGH@ANGELICA.COM
Fax Number:	Not reported
Modified By:	CGFREEDM
Date Last Modified:	8/30/2012

Site Id:	39001
Affiliation Type:	On-Site Operator
Company Name:	ANGELICA HEALTHCARE SERVICES
Contact Type:	Not reported
Contact Name:	KEVIN MCDONOUGH
Address1:	Not reported
Address2:	Not reported
City:	Not reported

ANGELICA HEALTHCARE SERVICES (Continued) **U004081005**

State: NN
Zip Code: Not reported
Country Code: 999
Phone: (518) 708-3836
Phone Ext: Not reported
Email: Not reported
Fax Number: Not reported
Modified By: CGFREEDM
Date Last Modified: 8/30/2012

Site Id: 39001
Affiliation Type: Emergency Contact
Company Name: ANGELICA HEALTHCARE SERVICES
Contact Type: Not reported
Contact Name: KEVIN MCDONOUGH
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 999
Phone: (518) 708-3836
Phone Ext: Not reported
Email: Not reported
Fax Number: Not reported
Modified By: CGFREEDM
Date Last Modified: 8/30/2012

Tank Info:
Site ID: 39001

Tank Number: 302
Tank ID: 102575
Tank Status: Closed - Removed
Tank Type: Steel/carbon steel
Pipe Model: Not reported

Equipment Records:
H00 - Tank Leak Detection - None
B00 - Tank External Protection - None
G00 - Tank Secondary Containment - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I00 - Overfill - None
Install Date: 09/01/1971
Capacity Gallons: 4000
Tightness Test Method: 03
Next Test Date: Not reported
Date Tank Closed: 08/01/1993
Tank Location: 5
Tank Type: Steel/carbon steel
Date Test: 12/01/1987
Registered: True
Modified By: TRANSLAT

ANGELICA HEALTHCARE SERVICES (Continued) **U004081005**

Last Modified: 03/04/2004

H37 **FORT ANGELICA** **NY Spills** **S110488324**
NNE **125 BATH ST** **CBS** **N/A**
1/8-1/4 **BALLSTON SPA, NY**
0.164 mi.
868 ft. **Site 3 of 4 in cluster H**

Relative:
Lower

Actual:
244 ft.

SPILLS:

Facility ID:	9307022
DER Facility ID:	161082
Facility Type:	ER
Site ID:	193188
DEC Region:	5
Spill Date:	8/10/1993
Spill Number/Closed Date:	9307022 / 9/9/1993
Spill Cause:	Other
Spill Class:	Possible release with minimal potential for fire or hazard or Known release with no damage. No DEC Response. No corrective action required.
SWIS:	4620
Investigator:	alkarwie
Referred To:	Not reported
Reported to Dept:	8/10/1993
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	9/9/1993
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	9/22/1993
Spill Record Last Update:	6/23/2008
Spiller Name:	Not reported
Spiller Company:	ANGELICA HEALTHCARE
Spiller Address:	125 BATH ST.
Spiller City,St,Zip:	BALLSTON SPA, NY 12020-
Spiller Company:	001
Contact Name:	KEN BARNES
Contact Phone:	(518) 885-8504
DEC Memo:	AK investigated. No contamination noticed in tank pit. Composite soil samples taken, analysis performed (EPA 8270 and 8240). All non-detect.RFC: No further action.
Remarks:	Tank removal.

Material:

Site ID:	193188
Operable Unit ID:	985305
Operable Unit:	01
Material ID:	393304
Material Code:	0008
Material Name:	Diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0

FORT ANGELICA (Continued) **S110488324**

Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	1004405
DER Facility ID:	392650
Facility Type:	ER
Site ID:	437680
DEC Region:	5
Spill Date:	7/20/2010
Spill Number/Closed Date:	1004405 / Not Closed
Spill Cause:	Unknown
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	4620
Investigator:	MPMCLEAN
Referred To:	Not reported
Reported to Dept:	7/20/2010
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	1
Date Entered In Computer:	7/20/2010
Spill Record Last Update:	1/11/2012
Spiller Name:	KEVIN MCDONOUGH
Spiller Company:	FORT ANGELICA
Spiller Address:	125 BATH ST
Spiller City,St,Zip:	BALLSTON SPA, NY
Spiller Company:	999
Contact Name:	WILLIAM GALLOWAY
Contact Phone:	(716) 625-6895
DEC Memo:	07/20/10: AF on-site with company reps and environmental service company. Test pit at rear of property had six oil product in it - evidence of old wooden barrel and a wooden pipe leading further back in to an upgradient direction. Pipe had oil in it but may have backed up into an old water pipe. Site has been industrial since the 1900s - remains of an old power facility nearby, but not immediately connected to impact. Disposal samples were collected and they anticipate the project will commence as a load and go. Formal plan needs to be worked out through corporate for national company that currently owns the site.09/29/10: Work plan approved and work started today. Materials being staged for disposal at this time. number 6 oil evident. Dewatering to frac tank and hauling for disposal11/17/10: Work continuing. potential ash in fill. Oil still sporadically heavy - encountered former 100K tank cut down to 7 feet. Soil is being hauled off-site but signficant quantity staged for disposal12/21/10: Planning to stop work for the winter, all soil piles are well covered

FORT ANGELICA (Continued) **S110488324**

and secured.05/16/11: Restarting work at Angelica.06/13/11: Met K.Mcdonough and M. Schneckenberger on-site regarding the discovery of tannery hides int he excavation area. Requested all available disposal data. Stated that there was a total RCRA metal sample that had not met ESMI's allowances for processing without returning the product to the site of orig. Advised that we were likely to need additional totals chemistry.

Remarks: Caller states oil was coming out of the ground, test pit confirms a lot of oil in the area. DEC Inspection requested.*****update Would like call today- (716)830-6895

Material:

Site ID:	437680
Operable Unit ID:	1188347
Operable Unit:	01
Material ID:	2183268
Material Code:	0003A
Material Name:	#6 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Click this hyperlink while viewing on your computer to access additional NY_SPILL: detail in the EDR Site Report.

CBS:

CBS Number:	5-000024
Program Type:	CBS
Dec Region:	5
Expiration Date:	N/A
Facility Status:	Unregulated
UTMX:	593613.35430999
UTMY:	4761914.6658100

H38 **ANGELICA HEALTH CARE** **HIST UST** **U003076677**
NNE **125 BATH STREET** **AST** **N/A**
1/8-1/4 **BALLSTON SPA, NY** **HIST AST**
0.164 mi. **NY Hist Spills**
868 ft. **Site 4 of 4 in cluster H**

Relative: Lower

Actual: 244 ft.

HIST UST:

PBS Number:	5-229474
SPDES Number:	Not reported
Emergency Contact:	KEN BARNES
Emergency Telephone:	(518) 884-8574
Operator:	GARY FULLER
Operator Telephone:	(518) 885-8504
Owner Name:	ANGELICA HEALTHCARE SERVICES
Owner Address:	125 BATH STREET
Owner City,St,Zip:	BALLSTON SPA, NY 12020

ANGELICA HEALTH CARE (Continued) **U003076677**

Owner Telephone:	(518) 885-8504
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Name:	ANGELICA HEALTHCARE SERVICES G
Mailing Address:	125 BATH STREET
Mailing Address 2:	Not reported
Mailing City,St,Zip:	BALLSTON SPA, NY 12020
Mailing Contact:	Not reported
Mailing Telephone:	(518) 885-8504
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2:	Not reported
SWIS ID:	4120
Old PBS Number:	Not reported
Facility Type:	OTHER
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	01/03/2001
Expiration Date:	01/03/2006
Renew Flag:	False
Renewal Date:	19920422
Total Capacity:	5000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	5-000024
Town or City:	BALLSTON
County Code:	41
Town or City:	20
Region:	5

Tank Id:	302
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	19710901
Capacity (gals):	4000
Product Stored:	EMPTY
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	Suction
Date Tested:	12/01/1987
Next Test Date:	Not reported

ANGELICA HEALTH CARE (Continued) **U003076677**

Missing Data for Tank: Minor Data Missing
Date Closed: 08/01/1993
Test Method: Horner EZ Check
Deleted: False
Updated: True
Lat/long: Not reported

AST:
Region: STATE
DEC Region: 5
Site Status: Unregulated
Facility Id: 5-229474
Program Type: PBS
UTM X: 593613.03092000005
UTM Y: 4762021.4043300003
Expiration Date: N/A

Affiliation Records:
Site Id: 39001
Affiliation Type: Owner
Company Name: ANGELICA HEALTHCARE SERVICES
Contact Type: EHS MANAGER
Contact Name: KEVIN MCDONOUGH
Address1: 1105 LAKEWOOD PARKWAY, SUITE 210
Address2: Not reported
City: ALPHARETTA
State: GA
Zip Code: 30009
Country Code: 001
Phone: (518) 708-3836
Phone Ext: Not reported
Email: Not reported
Fax Number: Not reported
Modified By: CGFREEDM
Date Last Modified: 8/30/2012

Site Id: 39001
Affiliation Type: Mail Contact
Company Name: ANGELICA HEALTHCARE SERVICES
Contact Type: Not reported
Contact Name: KEVIN MCDONOUGH
Address1: 1105 LAKEWOOD PARKWAY
Address2: SUITE 210
City: ALPHARETTA
State: GA
Zip Code: 30009
Country Code: 001
Phone: (518) 708-3836
Phone Ext: Not reported
Email: KMCDONOUGH@ANGELICA.COM
Fax Number: Not reported
Modified By: CGFREEDM
Date Last Modified: 8/30/2012

Site Id: 39001
Affiliation Type: On-Site Operator
Company Name: ANGELICA HEALTHCARE SERVICES

ANGELICA HEALTH CARE (Continued) **U003076677**

Contact Type:	Not reported
Contact Name:	KEVIN MCDONOUGH
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(518) 708-3836
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	CGFREEDM
Date Last Modified:	8/30/2012

Site Id:	39001
Affiliation Type:	Emergency Contact
Company Name:	ANGELICA HEALTHCARE SERVICES
Contact Type:	Not reported
Contact Name:	KEVIN MCDONOUGH
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(518) 708-3836
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	CGFREEDM
Date Last Modified:	8/30/2012

Tank Info:

Tank Number:	030
Tank Id:	111747

Equipment Records:

F06 - Pipe External Protection - Wrapped
H99 - Tank Leak Detection - Other
I05 - Overfill - Vent Whistle
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G01 - Tank Secondary Containment - Diking (Aboveground)
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
I04 - Overfill - Product Level Gauge (A/G)
C01 - Pipe Location - Aboveground
F01 - Pipe External Protection - Painted/Asphalt Coating
B00 - Tank External Protection - None

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - In Place
Pipe Model:	Not reported
Install Date:	11/01/2000
Capacity Gallons:	5000

ANGELICA HEALTH CARE (Continued) **U003076677**

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Date Tank Closed: 07/18/2012
Register: True
Modified By: SXPASZKO
Last Modified: 09/06/2012

Tank Number: 301
Tank Id: 102574

Equipment Records:

G00 - Tank Secondary Containment - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
H00 - Tank Leak Detection - None
B00 - Tank External Protection - None

Tank Location: 3
Tank Type: Steel/Carbon Steel/Iron
Tank Status: Closed - In Place
Pipe Model: Not reported
Install Date: 09/01/1971
Capacity Gallons: 15000
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Date Tank Closed: 09/01/1971
Register: True
Modified By: TRANSLAT
Last Modified: 03/04/2004

HIST AST:

PBS Number: 5-229474
SWIS Code: 4120
Operator: GARY FULLER
Facility Phone: (518) 885-8504
Facility Addr2: Not reported
Facility Type: OTHER
Emergency: KEN BARNES
Emergency Tel: (518) 884-8574
Old PBSNO: Not reported
Date Inspected: Not reported
Inspector: Not reported
Result of Inspection: Not reported
Owner Name: ANGELICA HEALTHCARE SERVICES
Owner Address: 125 BATH STREET
Owner City,St,Zip: BALLSTON SPA, NY 12020
Federal ID: Not reported
Owner Tel: (518) 885-8504
Owner Type: Corporate/Commercial
Owner Subtype: Not reported
Mailing Contact: Not reported

ANGELICA HEALTH CARE (Continued) **U003076677**

Mailing Name:	ANGELICA HEALTHCARE SERVICES G
Mailing Address:	125 BATH STREET
Mailing Address 2:	Not reported
Mailing City,St,Zip:	BALLSTON SPA, NY 12020
Mailing Telephone:	(518) 885-8504
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	01/03/2001
Expiration:	01/03/2006
Renew Flag:	False
Renew Date:	19920422
Total Capacity:	5000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	5-000024
Town or City:	BALLSTON
County Code:	41
Town or City Code:	20
Region:	5

Tank ID:	030
Tank Location:	ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE
Tank Status:	In Service
Install Date:	20001101
Capacity (Gal):	5000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	0
Tank External:	0
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	16
Tank Containment:	Excavation/Tranch Liner
Leak Detection:	9
Overfill Protection:	46
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

Tank ID:	301
Tank Location:	ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE
Tank Status:	Closed-In Place

ANGELICA HEALTH CARE (Continued) **U003076677**

Install Date:	19710901
Capacity (Gal):	15000
Product Stored:	DIESEL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Tank Containment:	None
Leak Detection:	0
Overfill Protection:	4
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	09/01/1971
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

NY Hist Spills:

Region of Spill:	5
Spill Number/Closed Date:	9307022 / 09/09/93
Investigator:	AK
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	08/10/1993 12:00
Reported to Dept Date/Time:	08/10/93 12:30
SWIS:	41
Spiller Name:	ANGELICA HEALTHCARE
Spiller Contact:	Not reported
Spiller Phone:	(518) 885-8504
Spiller Contact:	KEN BARNES
Spiller Phone:	(518) 885-8504
Spiller Address:	125 BATH ST.
Spiller City,St,Zip:	BALLSTON SPA, NY 12020-
Spill Cause:	Other
Reported to Dept:	On Land
Water Affected:	Not reported
Spill Source:	01
Spill Notifier:	Other
PBS Number:	Not reported
Cleanup Ceased:	09/09/93
Cleanup Meets Std:	True
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /

ANGELICA HEALTH CARE (Continued) **U003076677**

UST Involvement: False
Spill Class: Possible release with minimal potential for fire or hazard or Known release with no damage. No DEC Response. No corrective action required.
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 09/22/93
Date Spill Entered In Computer Data File: Not reported
Update Date: 01/24/01
Is Updated: False

Tank:

Material:
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: True
Material: DIESEL
Class Type: DIESEL
Times Material Entry In File: 10625
CAS Number: Not reported
Last Date: 19940728
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: True
Material: DIESEL
Class Type: DIESEL
Times Material Entry In File: 10625
CAS Number: Not reported
Last Date: 19940728
DEC Remarks: AK investigated. No contamination noticed in tank pit. Composite soil samples taken, analysis performed EPA 8270 and 8240). All non-detect. RFC: No further action.
Remark: Tank removal.

I39 **J W SANDRI INC** **RCRA NonGen / NLR** **1000131000**
ESE **RD 8 CHURCH AVE** **FINDS** **NYD986900785**
1/8-1/4 **BALLSTON SPA, NY 12020**
0.174 mi.
920 ft. **Site 1 of 6 in cluster I**

Relative:
Higher

Actual:
316 ft.

RCRA NonGen / NLR:
Date form received by agency: 01/01/2007
Facility name: J W SANDRI INC
Facility address: RD 8 CHURCH AVE
BALLSTON SPA, NY 120209808
EPA ID: NYD986900785
Mailing address: PO BOX 760
GREENFIELD, NY 01302
Contact: Not reported
Contact address: PO BOX 760
GREENFIELD, NY 01302
Contact country: US

J W SANDRI INC (Continued) **1000131000**

Contact telephone: Not reported
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: J W SANDRI INC
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: J W SANDRI INC
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: J W SANDRI INC
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Facility name: J W SANDRI INC
Classification: Not a generator, verified

Date form received by agency: 05/03/1990
Facility name: J W SANDRI INC
Classification: Small Quantity Generator

J W SANDRI INC (Continued) **1000131000**

Violation Status: No violations found

FINDS:

Registry ID: 110008039522

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

J40 **A PLUS TRANSMISSION CTR** **RCRA NonGen / NLR** **1000293062**
NE **17 WASHINGTON ST** **FINDS** **NYD981566276**
1/8-1/4 **BALLSTON SPA, NY 12020** **MANIFEST**
0.176 mi.
930 ft. **Site 1 of 6 in cluster J**

Relative:
Lower

Actual:
266 ft.

RCRA NonGen / NLR:
Date form received by agency: 01/01/2007
Facility name: A PLUS TRANSMISSION CTR
Facility address: 17 WASHINGTON ST
BALLSTON SPA, NY 120201720
EPA ID: NYD981566276
Mailing address: WASHINGTON ST
BALLSTON SPA, NY 12020
Contact: Not reported
Contact address: WASHINGTON ST
BALLSTON SPA, NY 12020
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: DALE NELSON
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: DALE NELSON
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported

A PLUS TRANSMISSION CTR (Continued) **1000293062**

Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: A PLUS TRANSMISSION CTR
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Facility name: A PLUS TRANSMISSION CTR
Classification: Not a generator, verified

Date form received by agency: 11/14/1986
Facility name: A PLUS TRANSMISSION CTR
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110004410824

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:
EPA ID: NYD981566276
Country: USA
Mailing Name: A+ TRANSMISSIONS CENTER
Mailing Contact: DALE E NELSON
Mailing Address: 17 WASHINGTON STREET
Mailing Address 2: Not reported
Mailing City: BALLSTON SPA
Mailing State: NY

A PLUS TRANSMISSION CTR (Continued) **1000293062**

Mailing Zip: 12020
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 518-885-6774

Document ID: NJA0910909
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: NYCY9802
Trans2 State ID: NJDEPS869
Generator Ship Date: 900627
Trans1 Recv Date: 900627
Trans2 Recv Date: 900628
TSD Site Recv Date: 900629
Part A Recv Date: 901204
Part B Recv Date: 900815
Generator EPA ID: NYD981566276
Trans1 EPA ID: ILD051060408
Trans2 EPA ID: ILD051060408
TSDF ID: NJD069039626
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00037
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 002
Container Type: DM - Metal drums, barrels
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Year: 90

Document ID: NJA0803019
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: 000000000
Trans2 State ID: 000000000
Generator Ship Date: 900927
Trans1 Recv Date: 900927
Trans2 Recv Date: Not reported
TSD Site Recv Date: 901003
Part A Recv Date: 910204
Part B Recv Date: 901015
Generator EPA ID: NYD981566276
Trans1 EPA ID: ILD051060408
Trans2 EPA ID: Not reported
TSDF ID: NJD069039626
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00217
Units: P - Pounds
Number of Containers: 003
Container Type: DM - Metal drums, barrels
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Year: 90

Document ID: NJA1067650
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: NYMM7800

A PLUS TRANSMISSION CTR (Continued) **1000293062**

Trans2 State ID:	NJDEPS869
Generator Ship Date:	901210
Trans1 Recv Date:	901210
Trans2 Recv Date:	901213
TSD Site Recv Date:	901214
Part A Recv Date:	901228
Part B Recv Date:	910110
Generator EPA ID:	NYD981566276
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	ILD051060408
TSDF ID:	NJD069039626
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00086
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	90

Document ID:	NJA1212272
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NYDX1658
Trans2 State ID:	NJDEPS869
Generator Ship Date:	910530
Trans1 Recv Date:	910530
Trans2 Recv Date:	910603
TSD Site Recv Date:	910604
Part A Recv Date:	910805
Part B Recv Date:	910627
Generator EPA ID:	NYD981566276
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	ILD051060408
TSDF ID:	NJD069039626
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00086
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	91

Document ID:	NYC0763312
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NYMM7800
Trans2 State ID:	NJDEPS869
Generator Ship Date:	910304
Trans1 Recv Date:	910304
Trans2 Recv Date:	910307
TSD Site Recv Date:	910308
Part A Recv Date:	910522
Part B Recv Date:	910325
Generator EPA ID:	NYD981566276
Trans1 EPA ID:	ILD051060408

A PLUS TRANSMISSION CTR (Continued) **1000293062**

Trans2 EPA ID:	ILD051060408
TSDF ID:	NJD069039626
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00217
Units:	P - Pounds
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	91

Document ID:	NJA1332416
Manifest Status:	Completed copy
Trans1 State ID:	NYCH2919
Trans2 State ID:	NJDPES869
Generator Ship Date:	911114
Trans1 Recv Date:	911114
Trans2 Recv Date:	911118
TSD Site Recv Date:	911120
Part A Recv Date:	Not reported
Part B Recv Date:	911205
Generator EPA ID:	NYD981566276
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	ILD051060408
TSDF ID:	NJD069039626
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00090
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	91

Document ID:	NJA1220222
Manifest Status:	Completed copy
Trans1 State ID:	NYMM7800
Trans2 State ID:	NJDEPS869
Generator Ship Date:	910819
Trans1 Recv Date:	910819
Trans2 Recv Date:	910822
TSD Site Recv Date:	910823
Part A Recv Date:	Not reported
Part B Recv Date:	910906
Generator EPA ID:	NYD981566276
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	ILD051060408
TSDF ID:	NJD069039626
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00131
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100

A PLUS TRANSMISSION CTR (Continued) **1000293062**

Year:	91
Document ID:	NJA1343745
Manifest Status:	Completed copy
Trans1 State ID:	NYEC2076
Trans2 State ID:	NJDEPS869
Generator Ship Date:	920205
Trans1 Recv Date:	920205
Trans2 Recv Date:	920206
TSD Site Recv Date:	920207
Part A Recv Date:	920221
Part B Recv Date:	920226
Generator EPA ID:	NYD981566276
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	ILD051060408
TSDF ID:	NJD069039626
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00086
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	92

J41 **EDR US Hist Auto Stat** **1015264910**
NE **17 WASHINGTON ST** **N/A**
1/8-1/4 **BALLSTON SPA, NY 12020**
0.176 mi.
930 ft. **Site 2 of 6 in cluster J**

Relative:
Lower

Actual:
266 ft.

EDR Historical Auto Stations:

Name:	A PLUS TRANSMISSION CENTER
Year:	1999
Address:	17 WASHINGTON ST
Name:	A PLUS TRANSMISSION CENTER
Year:	2000
Address:	17 WASHINGTON ST

I42 **EDR US Hist Cleaners** **1015103774**
ESE **9 CHURCH AVE** **N/A**
1/8-1/4 **BALLSTON SPA, NY 12020**
0.178 mi.
938 ft. **Site 2 of 6 in cluster I**

Relative:
Higher

Actual:
316 ft.

EDR Historical Cleaners:

Name:	CUNNINGHAMS COIN LAUNDRY
Year:	1999
Address:	9 CHURCH AVE
Name:	CUNNINGHAMS COIN LAUNDRY
Year:	2000
Address:	9 CHURCH AVE

(Continued) **1015103774**

Name: CUNNINGHAMS COIN LAUNDRY
Year: 2008
Address: 9 CHURCH AVE

Name: CUNNINGHAM COIN LAUNDRY
Year: 2009
Address: 9 CHURCH AVE

Name: CUNNINGHAMS COIN LAUNDRY
Year: 2010
Address: 9 CHURCH AVE

I43 **CUNNINGHAM'S LAUNDRY** **UST** **U004046478**
ESE **9 CHURCH STREET** **N/A**
1/8-1/4 **BALLSTON SPA, NY 12020**
0.178 mi.
938 ft. **Site 3 of 6 in cluster I**

Relative:
Higher

Actual:
316 ft.

UST:
Id/Status: 5-600629 / Unregulated
Region: STATE
DEC Region: 5
Program Type: PBS
Expiration Date: N/A
UTM X: 593564.50873
UTM Y: 4760202.96

Affiliation Records:
Site Id: 40859
Affiliation Type: Owner
Company Name: ROBERT WILSON
Contact Type: Not reported
Contact Name: Not reported
Address1: 1 GELNDALE DRIVE
Address2: Not reported
City: CLIFTON PARK
State: NY
Zip Code: 12065
Country Code: 001
Phone: (518) 877-8911
Phone Ext: Not reported
Email: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 40859
Affiliation Type: Mail Contact
Company Name: Not reported
Contact Type: Not reported
Contact Name: ROBERT WILSON
Address1: 1 GLENDALE DRIVE
Address2: Not reported
City: CLIFTON PARK
State: NY
Zip Code: 12065
Country Code: 001
Phone: (518) 877-8911

CUNNINGHAM'S LAUNDRY (Continued) **U004046478**

Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	40859
Affiliation Type:	On-Site Operator
Company Name:	CUNNINGHAMS LAUNDRY
Contact Type:	Not reported
Contact Name:	ROBERT WILSON
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(518) 885-6788
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	40859
Affiliation Type:	Emergency Contact
Company Name:	ROBERT WILSON
Contact Type:	Not reported
Contact Name:	ROBERT WILSON
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(518) 877-8911
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Site ID:	40859

Tank Number:	001
Tank ID:	112326
Tank Status:	Closed - Removed
Tank Type:	Steel/carbon steel
Pipe Model:	Not reported

Equipment Records:

F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G00 - Tank Secondary Containment - None

CUNNINGHAM'S LAUNDRY (Continued) **U004046478**

B00 - Tank External Protection - None
C02 - Pipe Location - Underground/On-ground
I00 - Overfill - None

Install Date: Not reported
Capacity Gallons: 3000
Tightness Test Method: NN
Next Test Date: Not reported
Date Tank Closed: 10/01/2002
Tank Location: 5
Tank Type: Steel/carbon steel
Date Test: Not reported
Registered: True
Modified By: TRANSLAT
Last Modified: 03/04/2004

Site ID: 40859

Tank Number: 002
Tank ID: 112327
Tank Status: Closed - Removed
Tank Type: Steel/carbon steel
Pipe Model: Not reported

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
B00 - Tank External Protection - None
C02 - Pipe Location - Underground/On-ground
H00 - Tank Leak Detection - None
F00 - Pipe External Protection - None
G00 - Tank Secondary Containment - None
I00 - Overfill - None

Install Date: Not reported
Capacity Gallons: 3000
Tightness Test Method: NN
Next Test Date: Not reported
Date Tank Closed: 10/01/2002
Tank Location: 5
Tank Type: Steel/carbon steel
Date Test: Not reported
Registered: True
Modified By: TRANSLAT
Last Modified: 03/04/2004

Site ID: 40859

Tank Number: 003
Tank ID: 112328
Tank Status: Closed - Removed
Tank Type: Steel/carbon steel
Pipe Model: Not reported

Equipment Records:

H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
F00 - Pipe External Protection - None
G00 - Tank Secondary Containment - None

CUNNINGHAM'S LAUNDRY (Continued) **U004046478**

B00 - Tank External Protection - None
C02 - Pipe Location - Underground/On-ground
I00 - Overfill - None

Install Date: Not reported
Capacity Gallons: 4000
Tightness Test Method: NN
Next Test Date: Not reported
Date Tank Closed: 10/01/2002
Tank Location: 5
Tank Type: Steel/carbon steel
Date Test: Not reported
Registered: True
Modified By: TRANSLAT
Last Modified: 03/04/2004

Site ID: 40859

Tank Number: 004
Tank ID: 112329
Tank Status: Closed - Removed
Tank Type: Steel/carbon steel
Pipe Model: Not reported

Equipment Records:

F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
B00 - Tank External Protection - None
A00 - Tank Internal Protection - None
D10 - Pipe Type - Copper
G00 - Tank Secondary Containment - None
C02 - Pipe Location - Underground/On-ground
I00 - Overfill - None

Install Date: Not reported
Capacity Gallons: 1000
Tightness Test Method: NN
Next Test Date: Not reported
Date Tank Closed: 10/01/2002
Tank Location: 5
Tank Type: Steel/carbon steel
Date Test: Not reported
Registered: True
Modified By: TRANSLAT
Last Modified: 03/04/2004

Site ID: 40859

Tank Number: 005
Tank ID: 112330
Tank Status: Closed - Removed
Tank Type: Steel/carbon steel
Pipe Model: Not reported

Equipment Records:

A00 - Tank Internal Protection - None
H00 - Tank Leak Detection - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
B00 - Tank External Protection - None

CUNNINGHAM'S LAUNDRY (Continued) **U004046478**

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I00 - Overfill - None

Install Date:	Not reported
Capacity Gallons:	1000
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	10/01/2002
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Registered:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004

I44 **EDR US Hist Auto Stat** **1015150387**
ESE **11 CHURCH AVE** **N/A**
1/8-1/4 **BALLSTON SPA, NY 12020**
0.179 mi.
947 ft. **Site 4 of 6 in cluster I**

Relative:
Higher

Actual:
316 ft.

EDR Historical Auto Stations:

Name:	U DRIVE AUTO SALES & SERVICE
Year:	2009
Address:	11 CHURCH AVE

I45 **CUNNINGHAM'S COIN LAUNDRY** **LTANKS** **S105996968**
ESE **9 CHURCH STREET** **N/A**
1/8-1/4 **BALLSTON SPA, NY**
0.182 mi.
960 ft. **Site 5 of 6 in cluster I**

Relative:
Higher

Actual:
316 ft.

LTANKS:

Site ID:	172814
Spill Number/Closed Date:	0207043 / 3/21/2007
Spill Date:	10/8/2002
Spill Cause:	Tank Failure
Spill Source:	Gasoline Station
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4620
Investigator:	ajfrank
Referred To:	Not reported
Reported to Dept:	10/8/2002
CID:	405
Water Affected:	Not reported
Spill Notifier:	Local Agency
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	10/8/2002
Spill Record Last Update:	3/21/2007
Spiller Name:	STAN LIEBERT

CUNNINGHAM'S COIN LAUNDRY (Continued) **S105996968**

Spiller Company: ROBERT WILSON
Spiller Address: 9 CHURCH ST
Spiller City,St,Zip: BALLSTON SPA, NY 12020-
Spiller County: 001
Spiller Contact: STAN LIEBERT
Spiller Phone: (518) 885-3488
Spiller Extention: Not reported
DEC Region: 5
DER Facility ID: 145436
DEC Memo: 10/09/02: AF was at site during tank pulls on 10/8and9. Two 3k tanks and one 1500 gallon tank removed - all three were heavily corroded and contained holes. Soil contamiantion was noted and the RP was advised that additional work would be required. RP was going to communicate with insurance company on the issue.11/14/02: Spoke with RP again regarding requirements for further work and a remedial plan.12/14/02: Spoke with Passaretti about the site. Passaretti was considering a test-pit project to define the impacted area prior to planning a response.01/07/03: Letter from RP reviewing insurance claim and forwarding tank removal report. Report documents soil standard exceedences in post-ex sampling. 09/17/03: Test pitting done over summer followed buy property sale to new owner who was advised about the condition and the clean-up requirement. Letter sent to new owner advising of the remedial requirement.10/25/06: After a few conversations with new owner, the project was finally initiated on 10.23. AF on-site during work. Excavation was clean to north and west. Building foundation limited excavation to the south and a utility line to the east. A test pit was dug beyond the utility line to the east and there was no field indication of impacts. Investigation also undertaken in association with the former pump island area and a former waste oil tank area. Samples collected but they do not appear to be impacted.11/17/06: Closure report recieved from Aztech. 432 tons of soil were excavated and disposed of at ESMI. Post-ex samples indicate all individual contaminant levels are below cleanup standards. Total VOCs along the building foundation slightly exceed total VOC TAGM but does not warrant additional remedial work at this time. No contamination above standards was found in the pump island area or in the former waste oil tank area.If future site work involves razing the existing building and excavation below the foundation, some impacted soil will exist off the north side of the foundation that exceeds the State's soil reuse standards. In that case the Department should be notified and the impacted soil should be managed in accordance with State law.RFC = Excavation was successful at removing the vast majority of impacted soil. Residual impacted soil under the building's north wall does not warrant further remedial action. Building is non-residential - operates as a coin laundry and auto shop.
Remarks: CALLER STATES THAT THEY ARE ON SITE REMOVING A 4000 GALLON GASOLINE TANK AND, UPON DIGGING, FOUND THAT THE TANK HAS LEAKED ~1000 GALLONS INTO THE SOIL. CLEAN UP WILL OCCURR ONCE THE TANK IS REMOVED.

Material:
Site ID: 172814
Operable Unit ID: 859868
Operable Unit: 01
Material ID: 517632
Material Code: 0009
Material Name: Gasoline

CUNNINGHAM'S COIN LAUNDRY (Continued) **S105996968**

Case No.: Not reported
Material FA: Petroleum
Quantity: 1000
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

46
ENE
1/8-1/4
0.182 mi.
963 ft.

U.S. POSTAL SERVICE **UST** **U001444585**
1 FRONT STREET **HIST UST** **N/A**
BALLSTON SPA, NY 12020

Relative:
Lower

Actual:
279 ft.

UST:
Id/Status: 5-429732 / Unregulated
Region: STATE
DEC Region: 5
Program Type: PBS
Expiration Date: N/A
UTM X: 593821.53801000002
UTM Y: 4761754.9120800002

Affiliation Records:
Site Id: 39582
Affiliation Type: Owner
Company Name: U.S. POSTAL SERVICE
Contact Type: Not reported
Contact Name: Not reported
Address1: 1 FRONT STREET
Address2: Not reported
City: BALLSTON SPA
State: NY
Zip Code: 12020-9998
Country Code: 001
Phone: (518) 885-9191
Phone Ext: Not reported
Email: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 39582
Affiliation Type: Mail Contact
Company Name: U.S. POSTAL SERVICE
Contact Type: Not reported
Contact Name: Not reported
Address1: 1 FRONT STREET
Address2: Not reported
City: BALLSTON SPA
State: NY
Zip Code: 12020-9998
Country Code: 001
Phone: (518) 885-9191
Phone Ext: Not reported

U.S. POSTAL SERVICE (Continued) **U001444585**

Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	39582
Affiliation Type:	On-Site Operator
Company Name:	U.S. POSTAL SERVICE
Contact Type:	Not reported
Contact Name:	U. S. POSTAL SERVICE
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(518) 885-9191
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	39582
Affiliation Type:	Emergency Contact
Company Name:	U.S. POSTAL SERVICE
Contact Type:	Not reported
Contact Name:	U. S. POSTAL SERVICE
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(518) 885-9191
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Site ID:	39582
Tank Number:	001
Tank ID:	104859
Tank Status:	Closed - Removed
Tank Type:	Steel/carbon steel
Pipe Model:	Not reported

Equipment Records:

B00 - Tank External Protection - None
H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None

U.S. POSTAL SERVICE (Continued) **U001444585**

I04 - Overfill - Product Level Gauge (A/G)
G00 - Tank Secondary Containment - None
Install Date: 01/01/1977
Capacity Gallons: 3000
Tightness Test Method: 03
Next Test Date: Not reported
Date Tank Closed: 06/01/1989
Tank Location: 5
Tank Type: Steel/carbon steel
Date Test: 12/01/1987
Registered: True
Modified By: TRANSLAT
Last Modified: 03/04/2004

HIST UST:
PBS Number: 5-429732
SPDES Number: Not reported
Emergency Contact: U. S. POSTAL SERVICE
Emergency Telephone: (518) 885-9191
Operator: U. S. POSTAL SERVICE
Operator Telephone: (518) 885-9191
Owner Name: U.S. POSTAL SERVICE
Owner Address: 1 FRONT STREET
Owner City,St,Zip: BALLSTON SPA, NY 12020-9998
Owner Telephone: (518) 885-9191
Owner Type: Federal Government
Owner Subtype: Not reported
Mailing Name: U.S. POSTAL SERVICE
Mailing Address: 1 FRONT STREET
Mailing Address 2: Not reported
Mailing City,St,Zip: BALLSTON SPA, NY 12020-9998
Mailing Contact: Not reported
Mailing Telephone: (518) 885-9191
Owner Mark: First Owner
Facility Status: 2 - Unregulated by PBS (the total capacity is less than 1,101 gallons) and Subpart 360-14.
Facility Addr2: Not reported
SWIS ID: 4120
Old PBS Number: Not reported
Facility Type: Not reported
Inspected Date: Not reported
Inspector: Not reported
Inspection Result: Not reported
Federal ID: Not reported
Certification Flag: False
Certification Date: 01/07/1988
Expiration Date: 01/07/1993
Renew Flag: True
Renewal Date: 19930125
Total Capacity: 0
FAMT: True
Facility Screen: Minor Data Missing
Owner Screen: Minor Data Missing
Tank Screen: 0
Dead Letter: False
CBS Number: Not reported
Town or City: BALLSTON

U.S. POSTAL SERVICE (Continued) **U001444585**

County Code:	41
Town or City:	20
Region:	5
Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	19770101
Capacity (gals):	3000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Product Level Gauge
Dispenser:	Gravity
Date Tested:	12/01/1987
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	06/01/1989
Test Method:	Horner EZ Check
Deleted:	False
Updated:	True
Lat/long:	Not reported

I47 **CUMBERLAND FARMS 3138** **RCRA NonGen / NLR** **1000552362**
ESE **RTES 50 & 67** **FINDS** **NYD986947612**
1/8-1/4 **BALLSTON SPA, NY 12020**
0.192 mi.
1016 ft. **Site 6 of 6 in cluster I**

Relative:
Higher

Actual:
315 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	CUMBERLAND FARMS 3138
Facility address:	RTES 50 & 67 BALLSTON SPA, NY 12020
EPA ID:	NYD986947612
Mailing address:	DEDHAM ST CANTON, NY 02021
Contact:	Not reported
Contact address:	DEDHAM ST CANTON, NY 02021
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	CUMBERLAND FARMS
Owner/operator address:	777 DEDHAM

CUMBERLAND FARMS 3138 (Continued) **1000552362**

CANTON, MA 02021
Owner/operator country: US
Owner/operator telephone: (617) 828-4900
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: CUMBERLAND FARMS
Owner/operator address: 777 DEDHAM
CANTON, MA 02021
Owner/operator country: US
Owner/operator telephone: (617) 828-4900
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: CUMBERLAND FARMS 3138
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Facility name: CUMBERLAND FARMS 3138
Classification: Not a generator, verified

Date form received by agency: 03/27/1991
Facility name: CUMBERLAND FARMS 3138
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110008049566

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of

CUMBERLAND FARMS 3138 (Continued) **1000552362**

events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

K48 **SARA COUNTY COMPLX BLDG 4** **LTANKS** **S100490911**
SSE **40 MCMASTER ST** **HIST LTANKS** **N/A**
1/8-1/4 **BALLSTON SPA, NY**
0.195 mi.
1028 ft. **Site 1 of 2 in cluster K**

Relative:
Higher

Actual:
340 ft.

LTANKS:

Site ID:	139790
Spill Number/Closed Date:	9200028 / 12/10/1992
Spill Date:	4/1/1992
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	5/1/1992
Cleanup Meets Standard:	True
SWIS:	4600
Investigator:	SWERDAN
Referred To:	Not reported
Reported to Dept:	4/1/1992
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	5/1/1992
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	4/9/1992
Spill Record Last Update:	8/31/2000
Spiller Name:	JOHN MCGUIRE
Spiller Company:	SARATOGA COUNTY
Spiller Address:	40 MCMASTER STREET
Spiller City,St,Zip:	BALLSTON SPA, NY 12020-
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	5
DER Facility ID:	119413
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TS"
Remarks:	Excavate and investigate; to check lines first

Material:

Site ID:	139790
Operable Unit ID:	964134
Operable Unit:	01
Material ID:	414872
Material Code:	0001A
Material Name:	#2 Fuel Oil

SARA COUNTY COMPLX BLDG 4 (Continued) **S100490911**

Case No.: Not reported
Material FA: Petroleum
Quantity: 0
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

HIST LTANKS:
Region of Spill: 5
Spill Number/Closed Date: 9200028 / 12/10/92
Spill Date: 04/01/1992
Spill Time: 12:45
Spill Cause: Tank Test Failure
Resource Affectd: Groundwater
Water Affected: Not reported
Spill Source: Other Non Commercial/Industrial
Spill Class: Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased: 05/01/92
Cleanup Meets Standard: True
Investigator: TS
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Caller Extension: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported
Reported to Department Date: 04/01/92
Reported to Department Time: 13:37
SWIS: 41
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Extention: Not reported
Spiller Name: SARATOGA COUNTY
Spiller Address: 40 MCMASTER STREET
Spiller City,St,Zip: BALLSTON SPA, NY 12020-
Spiller Cleanup Date: / /
Facility Contact: JOHN MCGUIRE
Facility Phone: (518) 885-2235
Facility Extention: 121
Spill Notifier: Tank Tester
PBS Number: 5-101389
Last Inspection: 05/01/92
Recommended Penalty: Penalty Not Recommended
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Date Region Sent Summary to Central Office: / /
Corrective Action Plan Submitted: / /

SARA COUNTY COMPLX BLDG 4 (Continued) **S100490911**

Date Spill Entered In Computer Data File: 04/09/92
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: 08/31/00
Is Updated: False

Tank:

Material:
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: True
Material: #2 FUEL OIL
Class Type: #2 FUEL OIL
Times Material Entry In File: 24464
CAS Number: Not reported
Last Date: 19941207
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: True
Material: #2 FUEL OIL
Class Type: #2 FUEL OIL
Times Material Entry In File: 24464
CAS Number: Not reported
Last Date: 19941207
DEC Remarks: Not reported
Spill Cause: Excavate and investigate; to check lines first

K49 **SARATOGA COUNTY INFIRMARY** **UST** **U000384343**
SSE **BALLSTON AVENUE** **HIST UST** **N/A**
1/8-1/4 **BALLSTON SPA, NY 12020**
0.195 mi.
1030 ft. **Site 2 of 2 in cluster K**

Relative:
Higher

Actual:
340 ft.

UST:
Id/Status: 5-229741 / Unregulated
Region: STATE
DEC Region: 5
Program Type: PBS
Expiration Date: N/A
UTM X: 594656.65497000003
UTM Y: 4764067.0850400003

Affiliation Records:
Site Id: 39025
Affiliation Type: Owner
Company Name: SARATOGA COUNTY
Contact Type: Not reported
Contact Name: Not reported
Address1: 40 MC MASTER ST
Address2: Not reported
City: BALLSTON SPA
State: NY

SARATOGA COUNTY INFIRMARY (Continued) **U000384343**

Zip Code:	12020
Country Code:	001
Phone:	(518) 885-5381
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	39025
Affiliation Type:	Mail Contact
Company Name:	SARATOGA COUNTY
Contact Type:	Not reported
Contact Name:	RICK GARDNER
Address1:	40 MC MASTER STREET
Address2:	Not reported
City:	BALLSTON SPA
State:	NY
Zip Code:	12020
Country Code:	001
Phone:	(518) 885-5381
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	39025
Affiliation Type:	On-Site Operator
Company Name:	SARATOGA COUNTY INFIRMARY
Contact Type:	Not reported
Contact Name:	RICKY GARDNER
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(518) 885-5381
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	39025
Affiliation Type:	Emergency Contact
Company Name:	SARATOGA COUNTY
Contact Type:	Not reported
Contact Name:	RICKY GARDNER
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(518) 885-5381

SARATOGA COUNTY INFIRMARY (Continued) **U000384343**

Phone Ext: Not reported
Email: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Tank Info:
Site ID: 39025

Tank Number: 001
Tank ID: 102619
Tank Status: Closed - Removed
Tank Type: Steel/carbon steel
Pipe Model: Not reported

Equipment Records:
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
H00 - Tank Leak Detection - None
G00 - Tank Secondary Containment - None
B00 - Tank External Protection - None
C02 - Pipe Location - Underground/On-ground
Install Date: Not reported
Capacity Gallons: 15000
Tightness Test Method: 03
Next Test Date: Not reported
Date Tank Closed: 11/01/1999
Tank Location: 5
Tank Type: Steel/carbon steel
Date Test: 05/01/1997
Registered: True
Modified By: TRANSLAT
Last Modified: 03/04/2004

HIST UST:
PBS Number: 5-229741
SPDES Number: Not reported
Emergency Contact: RICKY GARDNER
Emergency Telephone: (518) 885-5381
Operator: RICKY GARDNER
Operator Telephone: (518) 885-5381
Owner Name: SARATOGA COUNTY
Owner Address: 40 MC MASTER ST
Owner City,St,Zip: BALLSTON SPA, NY 12020
Owner Telephone: (518) 885-5381
Owner Type: Local Government
Owner Subtype: Not reported
Mailing Name: SARATOGA COUNTY
Mailing Address: 40 MC MASTER STREET
Mailing Address 2: Not reported
Mailing City,St,Zip: BALLSTON SPA, NY 12020
Mailing Contact: RICK GARDNER
Mailing Telephone: (518) 885-5381
Owner Mark: First Owner

SARATOGA COUNTY INFIRMARY (Continued) **U000384343**

Facility Status:	2 - Unregulated by PBS (the total capacity is less than 1,101 gallons) and Subpart 360-14.
Facility Addr2:	Not reported
SWIS ID:	4120
Old PBS Number:	Not reported
Facility Type:	OTHER
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	07/30/1997
Expiration Date:	07/07/2002
Renew Flag:	False
Renewal Date:	19970611
Total Capacity:	0
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	0
Dead Letter:	False
CBS Number:	Not reported
Town or City:	BALLSTON
County Code:	41
Town or City:	20
Region:	5

Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (gals):	15000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Underground
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	05/01/1997
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	11/01/1999
Test Method:	Horner EZ Check
Deleted:	False
Updated:	True
Lat/long:	Not reported

J50 **SPA CLEANERS** **RCRA-CESQG** **1000107365**
ENE **92 MILTON AVE** **FINDS** **NYD020673364**
1/8-1/4 **BALLSTON SPA, NY 12020** **MANIFEST**
0.204 mi. **US AIRS**
1077 ft. **Site 3 of 6 in cluster J**

Relative:
Lower

Actual:
268 ft.

RCRA-CESQG:

Date form received by agency:	01/01/2007
Facility name:	SPA CLEANERS
Facility address:	92 MILTON AVE BALLSTON SPA, NY 12020
EPA ID:	NYD020673364
Mailing address:	MILTON AVE BALLSTON SPA, NY 12020
Contact:	Not reported
Contact address:	MILTON AVE BALLSTON SPA, NY 12020
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name:	CORNTHWAITE MILES J
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	CORNTHWAITE MILES J
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

SPA CLEANERS (Continued) **1000107365**

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: SPA CLEANERS
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 03/31/1995
Facility name: SPA CLEANERS
Classification: Not a generator, verified

Date form received by agency: 01/31/1986
Facility name: SPA CLEANERS
Classification: Large Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 12/08/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110004351317

Environmental Interest/Information System
AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

SPA CLEANERS (Continued) **1000107365**

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

FIS (New York - Facility Information System) is New York's Department of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

MANIFEST:

GEN Cert Date:	1/5/2011
Transporter Recpt Date:	1/5/2011
Number Of Containers:	3
Container Type:	DF
Waste Code1:	D001
Waste Code2:	D007
Waste Code3:	D039
Comment:	Not reported
Fee Exempt Code:	Not reported
TSDF Name:	SAFETY KLEEN
TSDF ID:	RID084802842
TSDF Date:	1/17/2011
Transporter 2 Name:	1/17/2011
Transporter 2 ID:	NJD071629976
Manifest Docket Number:	003801021FLE
Waste Description:	COMBUSTIBLE LIQUID NOS
Quantity:	75
WT/Vol Units:	P
Item Number:	2
Transporter Name:	SAFETY KLEEN
Transporter EPA ID:	TXR000050930
GEN Cert Date:	1/5/2011
Transporter Recpt Date:	1/5/2011
Transporter 2 Recpt Date:	1/17/2011
TSDF Recpt Date:	1/17/2011
EPA ID:	NYD020673364
Transporter 2 ID:	NJD071629976

AIRS (AFS):

Airs Minor Details:

EPA plant ID:	110004351317
Plant name:	SPA CLEANERS
Plant address:	92 MILTON AVE BALLSTON SPA, NY 120201405
County:	SARATOGA
Region code:	02
Dunn & Bradst #:	Not reported
Air quality cntrl region:	161
Sic code:	7216
Sic code desc:	DRYCLEANING PLANTS, EXCEPT RUG
North Am. industrial classf:	812320

SPA CLEANERS (Continued) **1000107365**

NAIC code description: Drycleaning and Laundry Services (except Coin-Operated)
Default compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Default classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
Govt facility: ALL OTHER FACILITIES NOT OWNED OR OPERATED BY A FEDERAL, STATE, OR LOCAL GOVERNMENT
Current HPV: Not reported

Compliance and Enforcement Major Issues:
Air program: Not reported
National action type: Not reported
Date achieved: Not reported
Penalty amount: Not reported

Air program: Not reported
National action type: Not reported
Date achieved: Not reported
Penalty amount: Not reported

Historical Compliance Minor Sources:
State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 0904
Air prog code hist file: 0

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 0904
Air prog code hist file: M

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1001
Air prog code hist file: M

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1002
Air prog code hist file: M

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1003
Air prog code hist file: 0

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1004
Air prog code hist file: 0

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1101
Air prog code hist file: 0

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1102
Air prog code hist file: 0

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1102
Air prog code hist file: M

SPA CLEANERS (Continued) **1000107365**

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1103
Air prog code hist file: M

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1104
Air prog code hist file: M

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1201
Air prog code hist file: 0

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1202
Air prog code hist file: 0

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1203
Air prog code hist file: 0

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1203
Air prog code hist file: M

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1001
Air prog code hist file: 0

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1002
Air prog code hist file: 0

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1003
Air prog code hist file: M

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1004
Air prog code hist file: M

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1101
Air prog code hist file: M

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1103
Air prog code hist file: 0

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1104
Air prog code hist file: 0

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1201
Air prog code hist file: M

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS

SPA CLEANERS (Continued) **1000107365**

Hist compliance date: 1202
Air prog code hist file: M

Compliance & Violation Data by Minor Sources:
Air program code: SIP SOURCE
Plant air program pollutant: Not reported
Default pollutant classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
Def. poll. compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Def. attainment/non attnmnt: ATTAINMENT AREA FOR GIVEN POLLUTANT
Repeat violator date: Not reported
Turnover compliance: Not reported

Air program code: MACT (SECTION 63 NESHAPS)
Plant air program pollutant: Not reported
Default pollutant classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
Def. poll. compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Def. attainment/non attnmnt: ATTAINMENT AREA FOR GIVEN POLLUTANT
Repeat violator date: Not reported
Turnover compliance: Not reported

J51 **EDR US Hist Cleaners** **1015106117**
ENE **92 MILTON AVE** **N/A**
1/8-1/4 **BALLSTON SPA, NY 12020**
0.204 mi.
1077 ft. **Site 4 of 6 in cluster J**

Relative:
Lower

Actual:
268 ft.

EDR Historical Cleaners:
Name: SPA CLEANERS
Year: 2001
Address: 92 MILTON AVE

Name: SPA CLEANERS
Year: 2010
Address: 92 MILTON AVE

Name: SPA CLEANERS
Year: 2011
Address: 92 MILTON AVE

Name: SPA CLEANERS
Year: 2012
Address: 92 MILTON AVE

J52 **SPA CLEANERS** **MANIFEST** **S106437240**
ENE **92 MILTON AVENUE** **DRYCLEANERS** **N/A**
1/8-1/4 **BALLSTON SPA, NY 12020**
0.204 mi.
1077 ft. **Site 5 of 6 in cluster J**

Relative:
Lower

Actual:
268 ft.

NY MANIFEST:
EPA ID: NYD020673364
Country: USA
Mailing Name: SPA CLEANERS
Mailing Contact: SPA CLEANERS
Mailing Address: 92 MILTON AVENUE
Mailing Address 2: Not reported

SPA CLEANERS (Continued) **S106437240**

Mailing City:	BALLSTON SPA
Mailing State:	NY
Mailing Zip:	12020
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	518-885-1745

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000081205
Trans2 State ID:	NJD071629976
Generator Ship Date:	2012-09-13
Trans1 Recv Date:	2012-09-13
Trans2 Recv Date:	2012-09-21
TSD Site Recv Date:	2012-09-28
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD020673364
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	150.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	002904650SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000081205
Trans2 State ID:	NJD071629976
Generator Ship Date:	2012-09-13
Trans1 Recv Date:	2012-09-13
Trans2 Recv Date:	2012-09-21
TSD Site Recv Date:	2012-09-28
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD020673364
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported

SPA CLEANERS (Continued) **S106437240**

TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	120.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	002904650SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	Not reported
Generator Ship Date:	2012-05-24
Trans1 Recv Date:	2012-05-24
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-06-04
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD020673364
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	125.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	003049879SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

SPA CLEANERS (Continued) **S106437240**

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	Not reported
Generator Ship Date:	2012-05-24
Trans1 Recv Date:	2012-05-24
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-06-04
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD020673364
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	265.0
Units:	P - Pounds
Number of Containers:	2.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	003049879SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	NJD071629976
Generator Ship Date:	2011-06-21
Trans1 Recv Date:	2011-06-21
Trans2 Recv Date:	2011-07-01
TSD Site Recv Date:	2011-07-05
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD020673364
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	50.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0

SPA CLEANERS (Continued) **S106437240**

Year:	2011
Manifest Tracking Num:	002680569SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	NJD071629976
Generator Ship Date:	2011-06-21
Trans1 Recv Date:	2011-06-21
Trans2 Recv Date:	2011-07-01
TSD Site Recv Date:	2011-07-05
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD020673364
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	125.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	002680569SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	NJD071629976
Generator Ship Date:	2011-12-09
Trans1 Recv Date:	2011-12-09

SPA CLEANERS (Continued) **S106437240**

Trans2 Recv Date:	2011-12-16
TSD Site Recv Date:	2011-12-18
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD020673364
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	30.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	002787750SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	NJD071629976
Generator Ship Date:	2011-12-09
Trans1 Recv Date:	2011-12-09
Trans2 Recv Date:	2011-12-16
TSD Site Recv Date:	2011-12-18
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD020673364
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	90.0
Units:	P - Pounds
Number of Containers:	3.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	002787750SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N

SPA CLEANERS (Continued) **S106437240**

Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	NJD071629976
Generator Ship Date:	2011-01-05
Trans1 Recv Date:	2011-01-05
Trans2 Recv Date:	2011-01-17
TSD Site Recv Date:	2011-01-18
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD020673364
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	375.0
Units:	P - Pounds
Number of Containers:	3.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	003801021FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	NJD071629976
Generator Ship Date:	2011-01-05
Trans1 Recv Date:	2011-01-05
Trans2 Recv Date:	2011-01-17
TSD Site Recv Date:	2011-01-18
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD020673364
Trans1 EPA ID:	Not reported

SPA CLEANERS (Continued) **S106437240**

Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	75.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	003801021FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000081205
Trans2 State ID:	NJD071629976
Generator Ship Date:	2012-09-13
Trans1 Recv Date:	2012-09-13
Trans2 Recv Date:	2012-09-21
TSD Site Recv Date:	2012-09-28
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD020673364
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	150.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	002904650SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported

SPA CLEANERS (Continued) **S106437240**

Mgmt Method Type Code: H020

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: TXR000081205
Trans2 State ID: NJD071629976
Generator Ship Date: 2012-09-13
Trans1 Recv Date: 2012-09-13
Trans2 Recv Date: 2012-09-21
TSD Site Recv Date: 2012-09-28
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYD020673364
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: RID084802842
Waste Code: Not reported
Quantity: 120.0
Units: P - Pounds
Number of Containers: 1.0
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 1.0
Year: 2012
Manifest Tracking Num: 002904650SKS
Import Ind: N
Export Ind: N
Discr Quantity Ind: N
Discr Type Ind: N
Discr Residue Ind: N
Discr Partial Reject Ind: N
Discr Full Reject Ind: N
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H141

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: TXR000050930
Trans2 State ID: Not reported
Generator Ship Date: 2012-05-24
Trans1 Recv Date: 2012-05-24
Trans2 Recv Date: Not reported
TSD Site Recv Date: 2012-06-04
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYD020673364
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: RID084802842
Waste Code: Not reported
Quantity: 265.0
Units: P - Pounds
Number of Containers: 2.0

SPA CLEANERS (Continued) **S106437240**

Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	003049879SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	Not reported
Generator Ship Date:	2012-05-24
Trans1 Recv Date:	2012-05-24
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-06-04
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD020673364
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	125.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	003049879SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

DRYCLEANERS:

Facility ID:	5-4142-00040
Phone Number:	Not reported
Region:	5

SPA CLEANERS (Continued) **S106437240**

Registration Effective Date: 8/3/1999 09:27:41:47
Inspection Date: 05SEP23
Install Date: Not reported
Drop Shop: Not reported
Shutdown: Not reported
Alternate Solvent: Y
Current Business: HC DRY CLEANERS

J53 **CUMBERLAND FARMS #3161** **UST U001846174**
NE **75 MILTON AVENUE** **HIST UST N/A**
1/8-1/4 **BALLSTON SPA, NY 12020**
0.206 mi.
1088 ft. **Site 6 of 6 in cluster J**

Relative:
Lower

Actual:
267 ft.

UST:
Id/Status: 5-036439 / Active
Region: STATE
DEC Region: 5
Program Type: PBS
Expiration Date: 2016/10/09
UTM X: 593806.49941000005
UTM Y: 4761811.9902100004

Affiliation Records:
Site Id: 38539
Affiliation Type: Owner
Company Name: CUMBERLAND FARMS, INC.
Contact Type: REP
Contact Name: MICHAEL SAWKIEWICZ
Address1: 100 CROSSING BOULEVARD
Address2: Not reported
City: FRAMINGHAM
State: MA
Zip Code: 01702
Country Code: 001
Phone: (800) 225-9702
Phone Ext: Not reported
Email: Not reported
Fax Number: Not reported
Modified By: MSBAPTIS
Date Last Modified: 11/28/2012

Site Id: 38539
Affiliation Type: Mail Contact
Company Name: ECLIPSE, A DIVISION OF ECS, INC.
Contact Type: Not reported
Contact Name: VICTORIA DIBACCO
Address1: 588 SILVER STREET
Address2: Not reported
City: AGAWAM
State: MA
Zip Code: 01001
Country Code: 001
Phone: (413) 789-3530
Phone Ext: Not reported
Email: VDIBACCO@ECSECLIPSE.COM
Fax Number: Not reported
Modified By: CGFREEDM

CUMBERLAND FARMS #3161 (Continued) **U001846174**

Date Last Modified: 8/16/2011

Site Id: 38539
Affiliation Type: On-Site Operator
Company Name: CUMBERLAND FARMS #3161
Contact Type: Not reported
Contact Name: MANAGER
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (518) 884-8637
Phone Ext: Not reported
Email: Not reported
Fax Number: Not reported
Modified By: CGFREEDM
Date Last Modified: 8/16/2011

Site Id: 38539
Affiliation Type: Emergency Contact
Company Name: CUMBERLAND FARMS, INC.
Contact Type: Not reported
Contact Name: BRIAN VAN BUREN
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 999
Phone: (518) 265-3595
Phone Ext: Not reported
Email: Not reported
Fax Number: Not reported
Modified By: DRLIGHTS
Date Last Modified: 1/13/2012

Tank Info:
Site ID: 38539

Tank Number: 001
Tank ID: 106996
Tank Status: Closed Prior to Micro Conversion, 03/91
Tank Type: Steel/carbon steel
Pipe Model: Not reported

Equipment Records:

B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
G00 - Tank Secondary Containment - None
H99 - Tank Leak Detection - Other
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J01 - Dispenser - Submersible
I00 - Overfill - None

CUMBERLAND FARMS #3161 (Continued) **U001846174**

Install Date:	Not reported
Capacity Gallons:	3000
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Registered:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Site ID:	38539
Tank Number:	002
Tank ID:	106997
Tank Status:	Closed Prior to Micro Conversion, 03/91
Tank Type:	Steel/carbon steel
Pipe Model:	Not reported

Equipment Records:

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J01 - Dispenser - Submersible
G00 - Tank Secondary Containment - None
H99 - Tank Leak Detection - Other
B00 - Tank External Protection - None
I00 - Overfill - None

Install Date:	Not reported
Capacity Gallons:	3000
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Registered:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Site ID:	38539
Tank Number:	003
Tank ID:	106998
Tank Status:	Closed Prior to Micro Conversion, 03/91
Tank Type:	Steel/carbon steel
Pipe Model:	Not reported

Equipment Records:

B00 - Tank External Protection - None
G00 - Tank Secondary Containment - None
H99 - Tank Leak Detection - Other
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J01 - Dispenser - Submersible
C00 - Pipe Location - No Piping

CUMBERLAND FARMS #3161 (Continued) **U001846174**

F00 - Pipe External Protection - None
I00 - Overfill - None
Install Date: Not reported
Capacity Gallons: 4000
Tightness Test Method: NN
Next Test Date: Not reported
Date Tank Closed: Not reported
Tank Location: 5
Tank Type: Steel/carbon steel
Date Test: Not reported
Registered: True
Modified By: TRANSLAT
Last Modified: 03/04/2004

Site ID: 38539

Tank Number: 004
Tank ID: 106999
Tank Status: Closed Prior to Micro Conversion, 03/91
Tank Type: Steel/carbon steel
Pipe Model: Not reported

Equipment Records:

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J01 - Dispenser - Submersible
B00 - Tank External Protection - None
G00 - Tank Secondary Containment - None
H99 - Tank Leak Detection - Other
I00 - Overfill - None
Install Date: Not reported
Capacity Gallons: 4000
Tightness Test Method: NN
Next Test Date: Not reported
Date Tank Closed: Not reported
Tank Location: 5
Tank Type: Steel/carbon steel
Date Test: Not reported
Registered: True
Modified By: TRANSLAT
Last Modified: 03/04/2004

Site ID: 38539

Tank Number: 00A
Tank ID: 107788
Tank Status: Closed - Removed
Tank Type: Equivalent technology
Pipe Model: Not reported

Equipment Records:

D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
H99 - Tank Leak Detection - Other
I01 - Overfill - Float Vent Valve
A00 - Tank Internal Protection - None
J01 - Dispenser - Submersible

CUMBERLAND FARMS #3161 (Continued) **U001846174**

F00 - Pipe External Protection - None
K01 - Spill Prevention - Catch Basin
B04 - Tank External Protection - Fiberglass
H05 - Tank Leak Detection - In-Tank System (ATG)
C02 - Pipe Location - Underground/On-ground
G07 - Tank Secondary Containment - Excavation/Trench Liner System

Install Date: 09/01/1987
Capacity Gallons: 8000
Tightness Test Method: 21
Next Test Date: Not reported
Date Tank Closed: 11/01/2005
Tank Location: 5
Tank Type: Equivalent technology
Date Test: 08/08/2005
Registered: True
Modified By: RBMULVEY
Last Modified: 02/01/2006

Site ID: 38539

Tank Number: 00B
Tank ID: 107789
Tank Status: Closed - Removed
Tank Type: Equivalent technology
Pipe Model: Not reported

Equipment Records:

F00 - Pipe External Protection - None
K01 - Spill Prevention - Catch Basin
A00 - Tank Internal Protection - None
J01 - Dispenser - Submersible
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
I01 - Overfill - Float Vent Valve
H99 - Tank Leak Detection - Other
B04 - Tank External Protection - Fiberglass
H05 - Tank Leak Detection - In-Tank System (ATG)
C02 - Pipe Location - Underground/On-ground
G07 - Tank Secondary Containment - Excavation/Trench Liner System

Install Date: 09/01/1987
Capacity Gallons: 8000
Tightness Test Method: 21
Next Test Date: Not reported
Date Tank Closed: 11/01/2005
Tank Location: 5
Tank Type: Equivalent technology
Date Test: 08/08/2005
Registered: True
Modified By: RBMULVEY
Last Modified: 02/01/2006

Site ID: 38539

Tank Number: 00C
Tank ID: 107790
Tank Status: Closed - Removed
Tank Type: Equivalent technology
Pipe Model: Not reported

CUMBERLAND FARMS #3161 (Continued) **U001846174**

Equipment Records:
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
I01 - Overfill - Float Vent Valve
F00 - Pipe External Protection - None
K01 - Spill Prevention - Catch Basin
A00 - Tank Internal Protection - None
J01 - Dispenser - Submersible
H99 - Tank Leak Detection - Other
B04 - Tank External Protection - Fiberglass
H05 - Tank Leak Detection - In-Tank System (ATG)
C02 - Pipe Location - Underground/On-ground
G07 - Tank Secondary Containment - Excavation/Trench Liner System

Install Date:	09/01/1987
Capacity Gallons:	8000
Tightness Test Method:	21
Next Test Date:	Not reported
Date Tank Closed:	11/01/2005
Tank Location:	5
Tank Type:	Equivalent technology
Date Test:	08/08/2005
Registered:	True
Modified By:	RBMULVEY
Last Modified:	02/01/2006
Site ID:	38539
Tank Number:	00D
Tank ID:	209894
Tank Status:	In Service
Tank Type:	Equivalent technology
Pipe Model:	E

Equipment Records:
I01 - Overfill - Float Vent Valve
K01 - Spill Prevention - Catch Basin
A00 - Tank Internal Protection - None
J01 - Dispenser - Submersible
D11 - Pipe Type - Flexible Piping
G04 - Tank Secondary Containment - Double-Walled (Underground)
L07 - Piping Leak Detection - Pressurized Piping Leak Detector
F05 - Pipe External Protection - Jacketed
E04 - Piping Secondary Containment - Double-Walled (Underground)
B04 - Tank External Protection - Fiberglass
H05 - Tank Leak Detection - In-Tank System (ATG)
L01 - Piping Leak Detection - Interstitial - Electronic Monitoring
C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring

Install Date:	11/01/2005
Capacity Gallons:	8000
Tightness Test Method:	14
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Equivalent technology
Date Test:	09/09/2009
Registered:	True
Modified By:	bxhankin

CUMBERLAND FARMS #3161 (Continued) **U001846174**

Last Modified: 04/08/2010

Site ID: 38539

Tank Number: 00E
Tank ID: 209895
Tank Status: In Service
Tank Type: Equivalent technology
Pipe Model: E

Equipment Records:

G04 - Tank Secondary Containment - Double-Walled (Underground)
L07 - Piping Leak Detection - Pressurized Piping Leak Detector
I01 - Overfill - Float Vent Valve
E04 - Piping Secondary Containment - Double-Walled (Underground)
D11 - Pipe Type - Flexible Piping
F05 - Pipe External Protection - Jacketed
K01 - Spill Prevention - Catch Basin
A00 - Tank Internal Protection - None
J01 - Dispenser - Submersible
B04 - Tank External Protection - Fiberglass
H05 - Tank Leak Detection - In-Tank System (ATG)
L01 - Piping Leak Detection - Interstitial - Electronic Monitoring
C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring

Install Date: 11/01/2005
Capacity Gallons: 8000
Tightness Test Method: 14
Next Test Date: Not reported
Date Tank Closed: Not reported
Tank Location: 5
Tank Type: Equivalent technology
Date Test: 09/09/2009
Registered: True
Modified By: bxhankin
Last Modified: 04/08/2010

Site ID: 38539

Tank Number: 00F
Tank ID: 209896
Tank Status: In Service
Tank Type: Equivalent technology
Pipe Model: E

Equipment Records:

E04 - Piping Secondary Containment - Double-Walled (Underground)
G04 - Tank Secondary Containment - Double-Walled (Underground)
L07 - Piping Leak Detection - Pressurized Piping Leak Detector
K01 - Spill Prevention - Catch Basin
D11 - Pipe Type - Flexible Piping
F05 - Pipe External Protection - Jacketed
I01 - Overfill - Float Vent Valve
A00 - Tank Internal Protection - None
J01 - Dispenser - Submersible
B04 - Tank External Protection - Fiberglass
H05 - Tank Leak Detection - In-Tank System (ATG)
L01 - Piping Leak Detection - Interstitial - Electronic Monitoring

CUMBERLAND FARMS #3161 (Continued) **U001846174**

C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring

Install Date:	11/01/2005
Capacity Gallons:	8000
Tightness Test Method:	14
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Equivalent technology
Date Test:	09/09/2009
Registered:	True
Modified By:	bxhankin
Last Modified:	04/08/2010

HIST UST:

PBS Number:	5-036439
SPDES Number:	Not reported
Emergency Contact:	STORE MANAGER
Emergency Telephone:	(518) 885-9419
Operator:	MANAGER
Operator Telephone:	(518) 885-9419
Owner Name:	CUMBERLAND FARMS INC
Owner Address:	777 DEDHAM ST
Owner City,St,Zip:	CANTON, MA 02021
Owner Telephone:	(617) 828-4900
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Name:	CUMBERLAND FARMS INC
Mailing Address:	777 DEDHAM ST
Mailing Address 2:	Not reported
Mailing City,St,Zip:	CANTON, MA 02021
Mailing Contact:	ENVIRONMENTAL DEPT.
Mailing Telephone:	(617) 828-4900
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2:	Not reported
SWIS ID:	4120
Old PBS Number:	Not reported
Facility Type:	RETAIL GASOLINE SALES
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	08/14/2001
Expiration Date:	10/09/2006
Renew Flag:	False
Renewal Date:	19960701
Total Capacity:	24000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	Not reported

CUMBERLAND FARMS #3161 (Continued) **U001846174**

Town or City: BALLSTON
County Code: 41
Town or City: 20
Region: 5

Tank Id: 001
Tank Location: UNDERGROUND
Tank Status: Closed Before April 1, 1991
Install Date: Not reported
Capacity (gals): 3000
Product Stored: LEADED GASOLINE
Tank Type: Steel/carbon steel
Tank Internal: Not reported
Tank External: Not reported
Pipe Location: Not reported
Pipe Type: GALVANIZED STEEL
Pipe Internal: Not reported
Pipe External: Not reported
Second Containment: None
Leak Detection: Other
Overfill Prot: Not reported
Dispenser: Submersible
Date Tested: Not reported
Next Test Date: Not reported
Missing Data for Tank: Minor Data Missing
Date Closed: Not reported
Test Method: Not reported
Deleted: False
Updated: True
Lat/long: Not reported

Tank Id: 002
Tank Location: UNDERGROUND
Tank Status: Closed Before April 1, 1991
Install Date: Not reported
Capacity (gals): 3000
Product Stored: LEADED GASOLINE
Tank Type: Steel/carbon steel
Tank Internal: Not reported
Tank External: Not reported
Pipe Location: Not reported
Pipe Type: GALVANIZED STEEL
Pipe Internal: Not reported
Pipe External: Not reported
Second Containment: None
Leak Detection: Other
Overfill Prot: Not reported
Dispenser: Submersible
Date Tested: Not reported
Next Test Date: Not reported
Missing Data for Tank: Minor Data Missing
Date Closed: Not reported
Test Method: Not reported
Deleted: False
Updated: False
Lat/long: Not reported

CUMBERLAND FARMS #3161 (Continued) **U001846174**

Tank Id:	003
Tank Location:	UNDERGROUND
Tank Status:	Closed Before April 1, 1991
Install Date:	Not reported
Capacity (gals):	4000
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	Other
Overfill Prot:	Not reported
Dispenser:	Submersible
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
Lat/long:	Not reported

Tank Id:	004
Tank Location:	UNDERGROUND
Tank Status:	Closed Before April 1, 1991
Install Date:	Not reported
Capacity (gals):	4000
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	Other
Overfill Prot:	Not reported
Dispenser:	Submersible
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
Lat/long:	Not reported

Tank Id:	00A
Tank Location:	UNDERGROUND
Tank Status:	In Service

CUMBERLAND FARMS #3161 (Continued) **U001846174**

Install Date:	19870901
Capacity (gals):	8000
Product Stored:	UNLEADED GASOLINE
Tank Type:	Fiberglass reinforced plastic [FRP]
Tank Internal:	None
Tank External:	Fiberglass
Pipe Location:	Underground
Pipe Type:	STAINLESS STEEL ALLOY
Pipe Internal:	None
Pipe External:	Fiberglass
Second Containment:	None
Leak Detection:	49
Overfill Prot:	Float Vent Valve, Catch Basin
Dispenser:	Submersible
Date Tested:	11/09/1999
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Tankology [Vacutect]
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	00B
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	19870901
Capacity (gals):	8000
Product Stored:	UNLEADED GASOLINE
Tank Type:	Fiberglass reinforced plastic [FRP]
Tank Internal:	None
Tank External:	Fiberglass
Pipe Location:	Underground
Pipe Type:	STAINLESS STEEL ALLOY
Pipe Internal:	None
Pipe External:	Fiberglass
Second Containment:	None
Leak Detection:	49
Overfill Prot:	Float Vent Valve, Catch Basin
Dispenser:	Submersible
Date Tested:	07/01/1998
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	USTest 2000
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	00C
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	19870901
Capacity (gals):	8000
Product Stored:	UNLEADED GASOLINE

CUMBERLAND FARMS #3161 (Continued) **U001846174**

Tank Type:	Fiberglass reinforced plastic [FRP]
Tank Internal:	None
Tank External:	Fiberglass
Pipe Location:	Underground
Pipe Type:	STAINLESS STEEL ALLOY
Pipe Internal:	None
Pipe External:	Fiberglass
Second Containment:	None
Leak Detection:	49
Overfill Prot:	Float Vent Valve, Catch Basin
Dispenser:	Submersible
Date Tested:	07/01/1998
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	USTest 2000
Deleted:	False
Updated:	True
Lat/long:	Not reported

L54 **SARATOGA COUNTY COMPLEX** **UST** **U001846260**
SE **10 MC MASTERS ST** **HIST UST** **N/A**
1/8-1/4 **BALLSTON SPA, NY 12020**
0.227 mi.
1196 ft. **Site 1 of 3 in cluster L**

Relative:
Higher

Actual:
341 ft.

UST:

Id/Status:	5-101389 / Unregulated
Region:	STATE
DEC Region:	5
Program Type:	PBS
Expiration Date:	N/A
UTM X:	593808.13147000002
UTM Y:	4761329.2162600001

Affiliation Records:

Site Id:	38738
Affiliation Type:	Owner
Company Name:	COUNTY OF SARATOGA
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	10 MC MASTERS ST
Address2:	Not reported
City:	BALLSTON SPA
State:	NY
Zip Code:	12020
Country Code:	001
Phone:	(518) 885-5381
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	38738
Affiliation Type:	Mail Contact
Company Name:	COUNTY OF SARATOGA
Contact Type:	Not reported

SARATOGA COUNTY COMPLEX (Continued) **U001846260**

Contact Name:	Not reported
Address1:	10 MC MASTERS ST
Address2:	Not reported
City:	BALLSTON SPA
State:	NY
Zip Code:	12020
Country Code:	001
Phone:	(518) 885-5381
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	38738
Affiliation Type:	On-Site Operator
Company Name:	SARATOGA COUNTY COMPLEX
Contact Type:	Not reported
Contact Name:	RICKY GARDNER
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(518) 885-5381
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	38738
Affiliation Type:	Emergency Contact
Company Name:	COUNTY OF SARATOGA
Contact Type:	Not reported
Contact Name:	RICKY GARDNER
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(518) 885-2235
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Site ID:	38738

Tank Number:	001
Tank ID:	101672
Tank Status:	Closed Prior to Micro Conversion, 03/91
Tank Type:	Steel/carbon steel

SARATOGA COUNTY COMPLEX (Continued) **U001846260**

Pipe Model: Not reported

Equipment Records:

J02 - Dispenser - Suction
D02 - Pipe Type - Galvanized Steel
A00 - Tank Internal Protection - None
I00 - Overfill - None
F00 - Pipe External Protection - None
C00 - Pipe Location - No Piping
H00 - Tank Leak Detection - None
G00 - Tank Secondary Containment - None
B00 - Tank External Protection - None

Install Date: Not reported
Capacity Gallons: 2000
Tightness Test Method: NN
Next Test Date: Not reported
Date Tank Closed: Not reported
Tank Location: 5
Tank Type: Steel/carbon steel
Date Test: Not reported
Registered: True
Modified By: TRANSLAT
Last Modified: 03/04/2004

Site ID: 38738

Tank Number: 002
Tank ID: 101673
Tank Status: Closed Prior to Micro Conversion, 03/91
Tank Type: Steel/carbon steel
Pipe Model: Not reported

Equipment Records:

J02 - Dispenser - Suction
D02 - Pipe Type - Galvanized Steel
A00 - Tank Internal Protection - None
I00 - Overfill - None
F00 - Pipe External Protection - None
C00 - Pipe Location - No Piping
H00 - Tank Leak Detection - None
G00 - Tank Secondary Containment - None
B00 - Tank External Protection - None

Install Date: Not reported
Capacity Gallons: 2000
Tightness Test Method: NN
Next Test Date: Not reported
Date Tank Closed: Not reported
Tank Location: 5
Tank Type: Steel/carbon steel
Date Test: Not reported
Registered: True
Modified By: TRANSLAT
Last Modified: 03/04/2004

Site ID: 38738

Tank Number: 003
Tank ID: 101674

SARATOGA COUNTY COMPLEX (Continued) **U001846260**

Tank Status: Closed - In Place
Tank Type: Steel/carbon steel
Pipe Model: Not reported

Equipment Records:
J02 - Dispenser - Suction
D02 - Pipe Type - Galvanized Steel
A00 - Tank Internal Protection - None
I00 - Overfill - None
F00 - Pipe External Protection - None
C00 - Pipe Location - No Piping
H00 - Tank Leak Detection - None
G00 - Tank Secondary Containment - None
B00 - Tank External Protection - None

Install Date: Not reported
Capacity Gallons: 16000
Tightness Test Method: 03
Next Test Date: Not reported
Date Tank Closed: 04/01/1992
Tank Location: 5
Tank Type: Steel/carbon steel
Date Test: 10/01/1987
Registered: True
Modified By: TRANSLAT
Last Modified: 03/04/2004

Site ID: 38738

Tank Number: 004
Tank ID: 108327
Tank Status: Closed - Removed
Tank Type: Steel/carbon steel
Pipe Model: Not reported

Equipment Records:
A00 - Tank Internal Protection - None
F00 - Pipe External Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
C00 - Pipe Location - No Piping
H00 - Tank Leak Detection - None
I01 - Overfill - Float Vent Valve
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None

Install Date: 04/01/1992
Capacity Gallons: 1000
Tightness Test Method: NN
Next Test Date: Not reported
Date Tank Closed: Not reported
Tank Location: 5
Tank Type: Steel/carbon steel
Date Test: Not reported
Registered: True
Modified By: TRANSLAT
Last Modified: 03/04/2004

HIST UST:
PBS Number: 5-101389
SPDES Number: Not reported

SARATOGA COUNTY COMPLEX (Continued) **U001846260**

Emergency Contact:	RICKY GARDNER
Emergency Telephone:	(518) 885-5381
Operator:	RICKY GARDNER
Operator Telephone:	(518) 885-5381
Owner Name:	COUNTY OF SARATOGA
Owner Address:	10 MC MASTERS ST
Owner City,St,Zip:	BALLSTON SPA, NY 12020
Owner Telephone:	(518) 885-5381
Owner Type:	Not reported
Owner Subtype:	Not reported
Mailing Name:	COUNTY OF SARATOGA
Mailing Address:	10 MC MASTERS ST
Mailing Address 2:	Not reported
Mailing City,St,Zip:	BALLSTON SPA, NY 12020
Mailing Contact:	Not reported
Mailing Telephone:	(518) 885-5381
Owner Mark:	First Owner
Facility Status:	2 - Unregulated by PBS (the total capacity is less than 1,101 gallons) and Subpart 360-14.
Facility Addr2:	Not reported
SWIS ID:	4120
Old PBS Number:	Not reported
Facility Type:	OTHER
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	03/24/1987
Expiration Date:	03/24/1992
Renew Flag:	False
Renewal Date:	19911017
Total Capacity:	0
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	Minor Data Missing
Tank Screen:	0
Dead Letter:	False
CBS Number:	Not reported
Town or City:	BALLSTON
County Code:	41
Town or City:	20
Region:	5

Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	Closed Before April 1, 1991
Install Date:	Not reported
Capacity (gals):	2000
Product Stored:	LEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	Not reported

SARATOGA COUNTY COMPLEX (Continued) **U001846260**

Second Containment: None
Leak Detection: None
Overfill Prot: Not reported
Dispenser: Suction
Date Tested: Not reported
Next Test Date: Not reported
Missing Data for Tank: Minor Data Missing
Date Closed: Not reported
Test Method: Not reported
Deleted: False
Updated: False
Lat/long: Not reported

Tank Id: 002
Tank Location: UNDERGROUND
Tank Status: Closed Before April 1, 1991
Install Date: Not reported
Capacity (gals): 2000
Product Stored: UNLEADED GASOLINE
Tank Type: Steel/carbon steel
Tank Internal: Not reported
Tank External: Not reported
Pipe Location: Not reported
Pipe Type: GALVANIZED STEEL
Pipe Internal: Not reported
Pipe External: Not reported
Second Containment: None
Leak Detection: None
Overfill Prot: Not reported
Dispenser: Suction
Date Tested: Not reported
Next Test Date: Not reported
Missing Data for Tank: Minor Data Missing
Date Closed: Not reported
Test Method: Not reported
Deleted: False
Updated: False
Lat/long: Not reported

Tank Id: 003
Tank Location: UNDERGROUND
Tank Status: Closed-In Place
Install Date: Not reported
Capacity (gals): 16000
Product Stored: NOS 1,2, OR 4 FUEL OIL
Tank Type: Steel/carbon steel
Tank Internal: Not reported
Tank External: Not reported
Pipe Location: Not reported
Pipe Type: GALVANIZED STEEL
Pipe Internal: Not reported
Pipe External: Not reported
Second Containment: None
Leak Detection: None
Overfill Prot: Not reported

SARATOGA COUNTY COMPLEX (Continued) **U001846260**

Dispenser:	Suction
Date Tested:	10/01/1987
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	04/01/1992
Test Method:	Horner EZ Check
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	004
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	19920401
Capacity (gals):	1000
Product Stored:	EMPTY
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Painted/Asphalt Coating
Pipe Location:	None
Pipe Type:	NONE
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Float Vent Valve
Dispenser:	0
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

---

55 **OLD VILLAGE GARAGE** **LTANKS** **S103479777**
NNE **THOMPSON STREET** **HIST LTANKS** **N/A**
1/8-1/4 **BALLSTON SPA, NY**
0.231 mi.
1220 ft.

Relative:
Lower

Actual:
244 ft.

LTANKS:

Site ID:	78359
Spill Number/Closed Date:	9808418 / Not Closed
Spill Date:	10/7/1998
Spill Cause:	Tank Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4600
Investigator:	AJFRANK
Referred To:	Not reported
Reported to Dept:	10/7/1998
CID:	999

OLD VILLAGE GARAGE (Continued) **S103479777**

Water Affected:	Not reported
Spill Notifier:	DEC
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	True
Remediation Phase:	1
Date Entered In Computer:	10/7/1998
Spill Record Last Update:	8/14/2002
Spiller Name:	JOE THOMPSON
Spiller Company:	VILLAGE OF BALLSTON SPA
Spiller Address:	66 FRONT STREET
Spiller City,St,Zip:	BALLSTON SPA, NY 12020-
Spiller County:	001
Spiller Contact:	JOE THOMPSON
Spiller Phone:	(518) 885-5711
Spiller Extention:	Not reported
DEC Region:	5
DER Facility ID:	72925
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "AF"10/20/98: Village personnel and equipment utilized to perform a limited site assessment. AK sent letter requiring remediation of subsurface soil and groundwater.11/20/98: Letter from Village received. Remediation to begin week of 11/30/98; hired North American for soil testing and groundwater remediation. Contaminated soil will be disposed of at ESMI. Site will be backfilled with clean sand by Village crews.05/21/01: No additional information available. Verbal requrest for disposal receipts and tank closure/removal report.09/13/01: Information not received; letter sent.09/28/01: GS spoke with Joe Thompson; indicated he had some information but not all and would have the clerk research the project.11/27/01: No response; letter sent.11/29/01: Joe Thompson called. North American was supposed to send a report but did not. Contact with them revealed they have nothing on file. Mr. Thompson faxed copies of disposal receipts and associated disposal paperwork. Site is currently a paved parking lot. Village is on municipal water.08/14/02: File reassigned to AF for review and follow-up.
Remarks:	OLD TANK FOUND, CONTAMINATED SOIL ENCOUNTERED, POSSIBLE GW CONTAMINATION, VILLAGE IS DECIDING ON OPTIONS.

Material:

Site ID:	78359
Operable Unit ID:	1069597
Operable Unit:	01
Material ID:	315929
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

OLD VILLAGE GARAGE (Continued) **S103479777**

HIST LTANKS:

Region of Spill:	5
Spill Number/Closed Date:	9808418 / Not Closed
Spill Date:	10/07/1998
Spill Time:	12:00
Spill Cause:	Tank Failure
Resource Affectd:	On Land
Water Affected:	Not reported
Spill Source:	Other Non Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	/ /
Cleanup Meets Standard:	False
Investigator:	AK
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Reported to Department Date:	10/07/98
Reported to Department Time:	15:13
SWIS:	41
Spiller Contact:	JOE THOMPSON
Spiller Phone:	(518) 885-5711
Spiller Extention:	Not reported
Spiller Name:	VILLAGE OF BALLSTON SPA
Spiller Address:	66 FRONT STREET
Spiller City,St,Zip:	BALLSTON SPA, NY 12020-
Spiller Cleanup Date:	/ /
Facility Contact:	JOE THOMPSON
Facility Phone:	(518) 885-5711
Facility Extention:	Not reported
Spill Notifier:	DEC
PBS Number:	Not reported
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	True
Date Region Sent Summary to Central Office:	/ /
Corrective Action Plan Submitted:	/ /
Date Spill Entered In Computer Data File:	10/07/98
Time Spill Entered In Computer Data File:	Not reported
Spill Record Last Update:	11/29/01
Is Updated:	False

Tank:

Material:

Material Class Type:	Petroleum
Quantity Spilled:	0
Unkonwn Quantity Spilled:	True
Units:	Gallons
Quantity Recovered:	0

OLD VILLAGE GARAGE (Continued) **S103479777**

Unkonwn Quantity Recovered: True
Material: GASOLINE
Class Type: GASOLINE
Times Material Entry In File: 21329
CAS Number: Not reported
Last Date: 19940929
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: True
Material: GASOLINE
Class Type: GASOLINE
Times Material Entry In File: 21329
CAS Number: Not reported
Last Date: 19940929
DEC Remarks: 10/20/98: Village personnel and equipment utili ed to perform a limited site assessment. AK sent letter requiring remediation of subsurface soil and groundwater. 11/20/98: Letter from Village received. Remediation to begin week of 11/30/98; hired North American for soil testing and groundwater remediation. Contaminated soil will be disposed of at ESMI. Site will be backfilled with clean sand by Village crews. 05/21/01: No additional information available. Verbal requrest for disposal receipts and tank closure/removal report. 09/13/01: Information not received; letter sent. 09/28/01: GS spoke with Joe Thompson; indicated he had some information but not all and would have the clerk research the project. 11/27/01: No response; letter sent. 11/29/01: Joe Thompson called. North American was supposed to send a report but did not. Contact with them revealed they have nothing on file. Mr. Thompson faxed copies of disposal receipts and associated disposal paperwork. Site iscurrently a paved parking lot. Village is on municipal water.
Spill Cause: OLD TANK FOUND, CONTAMINATED SOIL ENCOUNTERED, POSSIBLE GW CONTAMINATION, VILLAGE IS DECIDING ON OPTIONS.

56
NE
1/8-1/4
0.231 mi.
1222 ft.

CUMBERLAND FARM
MILTON AVENUE
BALLSTON SPA, NY

LTANKS **S100160942**
HIST LTANKS **N/A**

Relative:
Lower

Actual:
232 ft.

LTANKS:
Site ID: 242852
Spill Number/Closed Date: 8705490 / 5/20/1988
Spill Date: 9/28/1987
Spill Cause: Tank Failure
Spill Source: Gasoline Station
Spill Class: Not reported
Cleanup Ceased: 5/20/1988
Cleanup Meets Standard: True
SWIS: 4600
Investigator: HENRY
Referred To: Not reported
Reported to Dept: 9/28/1987
CID: Not reported
Water Affected: Not reported
Spill Notifier: DEC
Last Inspection: 6/3/1988

CUMBERLAND FARM (Continued) **S100160942**

Recommended Penalty:	False
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	1/1/1980
Spill Record Last Update:	11/3/1999
Spiller Name:	Not reported
Spiller Company:	CUMBERLAND FARMS
Spiller Address:	ROUTE 50
Spiller City,St,Zip:	BALLSTON SPA, NY 12020-
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	5
DER Facility ID:	199492
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "BH"
Remarks:	IN EXCAVATING TANKS FOUND CONTAMINATED SOIL. CONTRACTOR INFORMED TO REMOVE SOIL. LETTER SENT OUT TO SPILLER TO DO GROUNDWATER STUDY TO SURVEY IMPACT. NO APPARENT IMPACT.

Material:

Site ID:	242852
Operable Unit ID:	911673
Operable Unit:	01
Material ID:	468089
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

HIST LTANKS:

Region of Spill:	5
Spill Number/Closed Date:	8705490 / 05/20/88
Spill Date:	09/28/1987
Spill Time:	15:00
Spill Cause:	Tank Failure
Resource Affectd:	Groundwater
Water Affected:	Not reported
Spill Source:	Gas Station
Spill Class:	Not reported
Cleanup Ceased:	05/20/88
Cleanup Meets Standard:	True
Investigator:	BH
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported

CUMBERLAND FARM (Continued) **S100160942**

Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported
Reported to Department Date: 09/28/87
Reported to Department Time: 15:00
SWIS: 41
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Extention: Not reported
Spiller Name: CUMBERLAND FARMS
Spiller Address: ROUTE 50
Spiller City,St,Zip: BALLSTON SPA, NY 12020-
Spiller Cleanup Date: / /
Facility Contact: Not reported
Facility Phone: (518) 372-5805
Facility Extention: Not reported
Spill Notifier: DEC
PBS Number: Not reported
Last Inspection: 06/03/88
Recommended Penalty: Penalty Not Recommended
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: True
Date Region Sent Summary to Central Office: / /
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 01/01/80
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: 11/03/99
Is Updated: False

Tank:

Material:
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: True
Material: GASOLINE
Class Type: GASOLINE
Times Material Entry In File: 21329
CAS Number: Not reported
Last Date: 19940929
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: True
Material: GASOLINE
Class Type: GASOLINE
Times Material Entry In File: 21329
CAS Number: Not reported
Last Date: 19940929
DEC Remarks: Not reported

CUMBERLAND FARM (Continued) **S100160942**

Spill Cause: IN EXCAVATING TANKS FOUND CONTAMINATED SOIL. CONTRACTOR INFORMED TO REMOVE SOIL. LETTER SENT OUT TO SPILLER TO DO GROUNDWATER STUDY TO SURVEY IMPACT. NO APPARENT IMPACT.

L57 **SARATOGA CO.BLDG.** **LTANKS** **S100161312**
SE **SARATOGA CO. BLDG.** **HIST LTANKS** **N/A**
1/8-1/4 **BALLSTON SPA, NY**
0.235 mi.
1241 ft. **Site 2 of 3 in cluster L**

Relative:
Higher

Actual:
334 ft.

LTANKS:

Site ID:	270157
Spill Number/Closed Date:	8607521 / 4/4/1987
Spill Date:	3/11/1987
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	Not reported
Cleanup Ceased:	4/4/1987
Cleanup Meets Standard:	True
SWIS:	4600
Investigator:	AWSTEMP
Referred To:	Not reported
Reported to Dept:	3/11/1987
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	4/4/1987
Recommended Penalty:	False
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	3/13/1987
Spill Record Last Update:	7/8/1999
Spiller Name:	Not reported
Spiller Company:	SARATOGA CO.
Spiller Address:	5 WEST HIGH ST.
Spiller City,St,Zip:	BALLSTON SPA, NY
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	5
DER Facility ID:	220008
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "AS"
Remarks:	0.72 GPH FAILURE RATE. TO UNCOVER AND RETEST ASAP. RETESTED WEEK OF 3/16/87. 3/20: NOTE FUMES STILL IN STORM DRAIN.4/87 UPDATE: TANK & LINES RETESTED, SYSTEM OK.

Material:

Site ID:	270157
Operable Unit ID:	905264
Operable Unit:	01
Material ID:	473021
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum

SARATOGA CO.BLDG. (Continued) **S100161312**

Quantity: 0
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:
Site ID: 270157
Spill Tank Test: 1530623
Tank Number: Not reported
Tank Size: 0
Test Method: 00
Leak Rate: 0
Gross Fail: Not reported
Modified By: Spills
Last Modified: 10/1/2004
Test Method: Unknown

HIST LTANKS:
Region of Spill: 5
Spill Number/Closed Date: 8607521 / 04/04/87
Spill Date: 03/11/1987
Spill Time: 16:40
Spill Cause: Tank Test Failure
Resource Affectd: Groundwater
Water Affected: Not reported
Spill Source: Other Non Commercial/Industrial
Spill Class: Not reported
Cleanup Ceased: 04/04/87
Cleanup Meets Standard: True
Investigator: AS
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Caller Extension: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported
Reported to Department Date: 03/11/87
Reported to Department Time: 17:57
SWIS: 41
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Extention: Not reported
Spiller Name: SARATOGA CO.
Spiller Address: 5 WEST HIGH ST.
Spiller City,St,Zip: BALLSTON SPA, NY
Spiller Cleanup Date: / /
Facility Contact: Not reported
Facility Phone: Not reported
Facility Extention: Not reported
Spill Notifier: Tank Tester
PBS Number: Not reported
Last Inspection: 04/04/87

SARATOGA CO.BLDG. (Continued) **S100161312**

Recommended Penalty: Penalty Not Recommended
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: True
Date Region Sent Summary to Central Office: / /
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 03/13/87
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: 07/08/99
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: 0
Test Method: Not reported
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported
PBS Number: Not reported
Tank Number: Not reported
Tank Size: 0
Test Method: Not reported
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: GASOLINE
Class Type: GASOLINE
Times Material Entry In File: 21329
CAS Number: Not reported
Last Date: 19940929
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: GASOLINE
Class Type: GASOLINE
Times Material Entry In File: 21329
CAS Number: Not reported
Last Date: 19940929
DEC Remarks: Not reported
Spill Cause: 0.72 GPH FAILURE RATE. TO UNCOVER AND RETEST ASAP. RETESTED WEEK OF 3/16/87. 3/20: NOTE FUMES STILL IN STORM DRAIN. 4/87 UPDATE: TANK LINES RETESTED, SYSTEM OK.

L58 **SARATOGA COUNTY JAIL** **LTANKS** **S104276023**
SE **HIGH STREET** **HIST LTANKS** **N/A**
1/8-1/4 **BALLSTON SPA, NY**
0.235 mi.
1241 ft. **Site 3 of 3 in cluster L**

Relative:
Higher

Actual:
334 ft.

LTANKS:

Site ID:	154332
Spill Number/Closed Date:	8705346 / 3/30/1989
Spill Date:	9/24/1987
Spill Cause:	Tank Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	Not reported
Cleanup Ceased:	3/30/1989
Cleanup Meets Standard:	True
SWIS:	4600
Investigator:	HENRY
Referred To:	Not reported
Reported to Dept:	9/24/1987
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	DEC
Last Inspection:	5/1/1988
Recommended Penalty:	False
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	2/4/1988
Spill Record Last Update:	11/3/1999
Spiller Name:	Not reported
Spiller Company:	SARATOGA CO. OFFICE BLDG.
Spiller Address:	JAIL BLDG.
Spiller City,St,Zip:	BALLSTON SPA, NY 12020-
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	5
DER Facility ID:	130883
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "BH"
Remarks:	REMOVED LEAKING TANK, SOME CONTAMINATED SOIL FOUND. GROUNDWATER SAMPLE TAKEN DOWNGRADIENT FOR BTX ANALYSIS BY C.T.MALE. 5/88-ADDITIONAL CLEANUP MAY BE NEEDED. FUND USED TO SAMPLE ONLY.

Material:

Site ID:	154332
Operable Unit ID:	911539
Operable Unit:	01
Material ID:	467948
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

SARATOGA COUNTY JAIL (Continued) **S104276023**

Tank Test:

HIST LTANKS:

Region of Spill:	5
Spill Number/Closed Date:	8705346 / 03/30/89
Spill Date:	09/24/1987
Spill Time:	09:00
Spill Cause:	Tank Failure
Resource Affectd:	Groundwater
Water Affected:	Not reported
Spill Source:	Other Non Commercial/Industrial
Spill Class:	Not reported
Cleanup Ceased:	03/30/89
Cleanup Meets Standard:	True
Investigator:	BH
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Reported to Department Date:	09/24/87
Reported to Department Time:	09:00
SWIS:	41
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
Spiller Name:	SARATOGA CO. OFFICE BLDG.
Spiller Address:	JAIL BLDG.
Spiller City,St,Zip:	BALLSTON SPA, NY 12020-
Spiller Cleanup Date:	/ /
Facility Contact:	Not reported
Facility Phone:	Not reported
Facility Extention:	Not reported
Spill Notifier:	DEC
PBS Number:	Not reported
Last Inspection:	05/01/88
Recommended Penalty:	Penalty Not Recommended
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	True
Date Region Sent Summary to Central Office:	05/04/89
Corrective Action Plan Submitted:	/ /
Date Spill Entered In Computer Data File:	02/04/88
Time Spill Entered In Computer Data File:	Not reported
Spill Record Last Update:	11/03/99
Is Updated:	False

Tank:

Material:

Material Class Type:	Petroleum
Quantity Spilled:	0

SARATOGA COUNTY JAIL (Continued) **S104276023**

Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: True
Material: GASOLINE
Class Type: GASOLINE
Times Material Entry In File: 21329
CAS Number: Not reported
Last Date: 19940929
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: True
Material: GASOLINE
Class Type: GASOLINE
Times Material Entry In File: 21329
CAS Number: Not reported
Last Date: 19940929
DEC Remarks: Not reported
Spill Cause: REMOVED LEAKING TANK, SOME CONTAMINATED SOIL FOUND. GROUNDWATER SAMPLE TAKEN DOWNGRADIENT FOR BTX ANALYSIS BY C.T.MALE. 5/88-ADDITIONAL CLEANUP MAY BE NEEDED. FUND USED TO SAMPLE ONLY.

---

59 **NIAGARA MOHAWK- BALLSTON SPA MGP** **EDR MGP** **1008407859**
NE **MILTON AVE.** **N/A**
1/4-1/2 **BALLSTON SPA, NY 12020**
0.254 mi.
1341 ft.

Relative:
Lower

Manufactured Gas Plants:
No additional information available

Actual:
262 ft.

M60 **BALLSTON SPA BUS GARAGE** **LTANKS** **S100161011**
ENE **MALTA AVENUE** **HIST LTANKS** **N/A**
1/4-1/2 **BALLSTON SPA, NY**
0.286 mi.
1508 ft. **Site 1 of 2 in cluster M**

Relative:
Lower

LTANKS:
Site ID: 258170
Spill Number/Closed Date: 8707211 / 4/2/1988
Actual:
275 ft.
Spill Date: 11/20/1987
Spill Cause: Tank Test Failure
Spill Source: Institutional, Educational, Gov., Other
Spill Class: Not reported
Cleanup Ceased: 4/2/1988
Cleanup Meets Standard: True
SWIS: 4600
Investigator: BRADLEY
Referred To: Not reported
Reported to Dept: 11/20/1987
CID: Not reported

BALLSTON SPA BUS GARAGE (Continued) **S100161011**

Water Affected:	NONE
Spill Notifier:	Tank Tester
Last Inspection:	12/4/1987
Recommended Penalty:	False
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	11/25/1987
Spill Record Last Update:	1/31/2000
Spiller Name:	Not reported
Spiller Company:	BALLSTON SPA BUS GARAGE
Spiller Address:	MALTA AVENUE
Spiller City,St,Zip:	BALLSTON SPA, NY 12020-
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	5
DER Facility ID:	211338
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "GB" / / : IS BEING PUMPED OUT & WILL BE REMOVED FROM SERVICE - THEY WILL CALL WHEN REMOVAL IS DONE. / / : IS BEING PUMPED OUT & WILL BE REMOVED FROM SERVICE - THEY WILL CALL WHEN REMOVAL IS DONE. ALL TANKS PUMPED OUT - WILL BE REPLACED SPRING 88.
Remarks:	TANK PASSED - LEAK IN LINE, REPAIR & RETEST. 3000 GAL TANK -1.3 RETESTED - TANK OK - LINE REPAIRED & TESTED OK. 1/88 TANKS PUMPED OUT, 2/88 TANKS REPLACED, SOIL REMOVED, NO FREE PRODUCT(DOMERMUTH)

Material:

Site ID:	258170
Operable Unit ID:	912940
Operable Unit:	01
Material ID:	466178
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

HIST LTANKS:

Region of Spill:	5
Spill Number/Closed Date:	8707211 / 04/02/88
Spill Date:	11/20/1987
Spill Time:	22:30
Spill Cause:	Tank Test Failure
Resource Affectd:	Groundwater
Water Affected:	NONE
Spill Source:	Other Non Commercial/Industrial
Spill Class:	Not reported
Cleanup Ceased:	04/02/88

BALLSTON SPA BUS GARAGE (Continued) **S100161011**

Cleanup Meets Standard:	True
Investigator:	GB
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Reported to Department Date:	11/20/87
Reported to Department Time:	23:00
SWIS:	41
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
Spiller Name:	BALLSTON SPA BUS GARAGE
Spiller Address:	MALTA AVENUE
Spiller City,St,Zip:	BALLSTON SPA, NY 12020-
Spiller Cleanup Date:	/ /
Facility Contact:	Not reported
Facility Phone:	(518) 885-5361
Facility Extention:	Not reported
Spill Notifier:	Tank Tester
PBS Number:	Not reported
Last Inspection:	12/04/87
Recommended Penalty:	Penalty Not Recommended
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	True
Date Region Sent Summary to Central Office:	/ /
Corrective Action Plan Submitted:	/ /
Date Spill Entered In Computer Data File:	11/25/87
Time Spill Entered In Computer Data File:	Not reported
Spill Record Last Update:	01/31/00
Is Updated:	False

Tank:

Material:

Material Class Type:	Petroleum
Quantity Spilled:	0
Unkonwn Quantity Spilled:	True
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	True
Material:	GASOLINE
Class Type:	GASOLINE
Times Material Entry In File:	21329
CAS Number:	Not reported
Last Date:	19940929
Material Class Type:	Petroleum
Quantity Spilled:	0
Unkonwn Quantity Spilled:	True
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	True

BALLSTON SPA BUS GARAGE (Continued) **S100161011**

Material: GASOLINE
Class Type: GASOLINE
Times Material Entry In File: 21329
CAS Number: Not reported
Last Date: 19940929
DEC Remarks: / / : IS BEING PUMPED OUT WILL BE REMOVED FROM SERVICE - THEY WILL CALL WHEN REMOVAL IS DONE. / / : IS BEING PUMPED OUT WILL BE REMOVED FROM SERVICE - THEY WILL CALL WHEN REMOVAL IS DONE. ALL TANKS PUMPED OUT - WILL BE REPLACED SPRING 88.
Spill Cause: TANK PASSED - LEAK IN LINE, REPAIR RETEST. 3000 GAL TANK -1.3 RETESTED - TANK OK - LINE REPAIRED TESTED OK. 1/88 TANKS PUMPED OUT, 2/88 TANKS REPLACED, SOIL REMOVED, NO FREE PRODUCT DOMERMUTH)

M61 **SHAVER RESIDENCE** **LTANKS** **S102960354**
NE **47 MALTA AVE** **HIST LTANKS** **N/A**
1/4-1/2 **BALLSTON SPA, NY**
0.319 mi.
1683 ft. **Site 2 of 2 in cluster M**

Relative:
Lower

Actual:
275 ft.

LTANKS:
Site ID: 212097
Spill Number/Closed Date: 9709608 / 7/12/2000
Spill Date: 11/18/1997
Spill Cause: Tank Failure
Spill Source: Private Dwelling
Spill Class: Known release that creates a file or hazard. DEC Response. Unable/unwilling Responsible Party. Corrective action taken. (ISR)
Cleanup Ceased: 2/24/1998
Cleanup Meets Standard: False
SWIS: 4600
Investigator: ALKARWIE
Referred To: Not reported
Reported to Dept: 11/18/1997
CID: 282
Water Affected: KAYADEROSSERAS CREEK
Spill Notifier: Fire Department
Last Inspection: Not reported
Recommended Penalty: True
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 11/18/1997
Spill Record Last Update: 7/17/2000
Spiller Name: PHILLIP SHAVER
Spiller Company: PHILLIP SHAVER
Spiller Address: 47 MALTA AVENUE
Spiller City,St,Zip: BALLSTON SPA, NY 12020-
Spiller County: 001
Spiller Contact: RELYEA RESIDENTS
Spiller Phone: (518) 885-2712
Spiller Extention: Not reported
DEC Region: 5
DER Facility ID: 175759
DEC Memo: Prior to Sept, 2004 data translation this spill Lead_DEC Field was "AK"Shaw Fuel Oil and KeroP. O. Box 2149Northern Pines RoadWilton, NY 12831587-4459 or 798-643811/18/97: AK and KM investigated. Determined source was the Phillip Shaver residence. Home heating tank failure. Placed boom in creek.11/19/97 - 11/20/97: Investigation and cleanup continues. Spill occurred during or immediately after oil delivery.

SHAVER RESIDENCE (Continued) **S102960354**

AK also discovered surface spillage possibly due to delivery hose drainage.RFC: Spill cleaned up; no further action.07/13/00: Final ISR to Albany.

Remarks: Fire Dept is on the scene with an unknown type of oil spill. Unknown where the oil is coming from. Fire Dept is requesting a rep to the scene. Chief's phone number on the scene is 441-0288

Material:

Site ID:	212097
Operable Unit ID:	1055966
Operable Unit:	01
Material ID:	327948
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	275
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

HIST LTANKS:

Region of Spill:	5
Spill Number/Closed Date:	9709608 / 07/12/00
Spill Date:	11/18/1997
Spill Time:	18:45
Spill Cause:	Tank Failure
Resource Affectd:	Surface Water
Water Affected:	KAYADEROSSERAS CREEK
Spill Source:	Private Dwelling
Spill Class:	Known release that creates a file or hazard. DEC Response. Unable/unwilling Responsible Party. Corrective action taken. (ISR)
Cleanup Ceased:	02/24/98
Cleanup Meets Standard:	False
Investigator:	AK
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Reported to Department Date:	11/18/97
Reported to Department Time:	19:10
SWIS:	41
Spiller Contact:	RELYEA RESIDENTS
Spiller Phone:	(518) 885-2712
Spiller Extention:	Not reported
Spiller Name:	PHILLIP SHAVER
Spiller Address:	47 MALTA AVENUE
Spiller City,St,Zip:	BALLSTON SPA, NY 12020-

SHAVER RESIDENCE (Continued) **S102960354**

Spiller Cleanup Date: / /
Facility Contact: PHILLIP SHAVER
Facility Phone: Not reported
Facility Extention: Not reported
Spill Notifier: Fire Department
PBS Number: Not reported
Last Inspection: / /
Recommended Penalty: Penalty Recommended
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Date Region Sent Summary to Central Office: 07/12/00
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 11/18/97
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: 07/17/00
Is Updated: False

Tank:

Material:
Material Class Type: Petroleum
Quantity Spilled: 275
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: True
Material: #2 FUEL OIL
Class Type: #2 FUEL OIL
Times Material Entry In File: 24464
CAS Number: Not reported
Last Date: 19941207
Material Class Type: Petroleum
Quantity Spilled: 275
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: True
Material: #2 FUEL OIL
Class Type: #2 FUEL OIL
Times Material Entry In File: 24464
CAS Number: Not reported
Last Date: 19941207
DEC Remarks: Shaw Fuel Oil and Kero P. O. Box 2149 Northern Pines Road Wilton, NY 12831 587-4459 or 798-6438 11/18/97: AK and KM investigated. Determined source was the Phillip Shaver residence. Home heating tank failure. Placed boom in creek. 11/19/97 -11/20/97: Investigation and cleanup continues. Spill occurred during or immediately after oil delivery. AK also discovered surface spillage possibly due to delivery hose drainage. RFC: Spill cleaned up; no further action. 07/13/00: Final ISR toAlbany.
Spill Cause: Fire Dept is on the scene with an unknown type of oil spill. Unknown where the oil is coming from. Fire Dept is requesting a rep to the scene. Chief s phone number on the scene is 441-0288

62
WSW
1/4-1/2
0.388 mi.
2049 ft.

VERNUM RESIDENCE
222 ROUTE 67
BALLSTON SPA, NY

HIST LTANKS
NY Spills

S102233826
N/A

Relative:
Higher

Actual:
307 ft.

HIST LTANKS:

Region of Spill:	5
Spill Number/Closed Date:	9516768 / 07/05/96
Spill Date:	03/27/1996
Spill Time:	15:00
Spill Cause:	Tank Failure
Resource Affectd:	On Land
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Class:	Known release that creates a file or hazard. DEC Response. Unable/unwilling Responsible Party. Corrective action taken. (ISR)
Cleanup Ceased:	/ /
Cleanup Meets Standard:	True
Investigator:	PH
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Reported to Department Date:	03/28/96
Reported to Department Time:	12:37
SWIS:	41
Spiller Contact:	FRANCES VERNUM
Spiller Phone:	(518) 885-6127
Spiller Extention:	Not reported
Spiller Name:	CONGRESS GAS AND OIL
Spiller Address:	PO BOX 385, 617 MAPLE AVE
Spiller City,St,Zip:	SARATOGA SPRINGS, NY 12866-0385
Spiller Cleanup Date:	/ /
Facility Contact:	BILL HEALY, CONGRESS OIL
Facility Phone:	(518) 584-3050
Facility Extention:	Not reported
Spill Notifier:	Other
PBS Number:	Not reported
Last Inspection:	07/05/96
Recommended Penalty:	Penalty Recommended
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	False
Date Region Sent Summary to Central Office:	07/15/96
Corrective Action Plan Submitted:	/ /
Date Spill Entered In Computer Data File:	03/28/96
Time Spill Entered In Computer Data File:	Not reported
Spill Record Last Update:	07/15/96
Is Updated:	False

Tank:

Material:

Material Class Type:	Petroleum

VERNUM RESIDENCE (Continued) **S102233826**

Quantity Spilled:	50
Unkonwn Quantity Spilled:	False
Units:	Gallons
Quantity Recovered:	50
Unkonwn Quantity Recovered:	False
Material:	#2 FUEL OIL
Class Type:	#2 FUEL OIL
Times Material Entry In File:	24464
CAS Number:	Not reported
Last Date:	19941207
Material Class Type:	Petroleum
Quantity Spilled:	50
Unkonwn Quantity Spilled:	False
Units:	Gallons
Quantity Recovered:	50
Unkonwn Quantity Recovered:	False
Material:	#2 FUEL OIL
Class Type:	#2 FUEL OIL
Times Material Entry In File:	24464
CAS Number:	Not reported
Last Date:	19941207
DEC Remarks:	VAPORS IN HOUSE PERSISTED FOR SOME TIME. FINALLY REALIZED THAT MODERATE INDOOR PID READINGS WERE DUE TO INDUSTRIAL DEODORANT THE RESIDENT WAS POURING ON THE RUGS. CHECKED PRODUCTS, GOT PID RESPONSE. ONLY ABLE TO RUN CHEESY BOX FAN DUE TO ELECTRICALSITUATION. DOH, IN THEIR INFINITE WISDOM, MOVED FAN. NOW WIND BLOWS IN FASTER THAN FAN BLOWS OUT. VAPORS EVENTUALLY DISSIPATED NEVERTHELESS. PH CONGRESS GAS AND OIL WAS ASKED THREE TIMES TO INSTALL A NEW TANK, BUT NEVER DID. THEY ADVISED MRS VERNUMTO CONTINUE CATCHING THE LEAKING OIL IN A PAN AND DUMPING IT BACK INTO THE TANK. MRS. VERNUM IS 86 YEARS OLD; EVENTUALLY THIS CHORE GOT AHEAD OF HER, RESULTING IN THE SPILL IN HER BASEMENT. CONGRESS WAS IN FOR FURNACE WORK A FEW TIMES DURING THE ACTIVE LEAKING PHASE, BUT NEVER REPORTED A SPILL TO NYSDEC. PH
Spill Cause:	LEAK FROM BOTTOM OF TANK ONTO CONCRETE BASEMENT FLOOR. TANK EVACUATED AND IS BEING REPLACED. SPILL BEING CLEANED UP.

SPILLS:

Facility ID:	9516768
DER Facility ID:	189494
Facility Type:	ER
Site ID:	229906
DEC Region:	5
Spill Date:	3/27/1996
Spill Number/Closed Date:	9516768 / 7/5/1996
Spill Cause:	Equipment Failure
Spill Class:	Known release that creates a file or hazard. DEC Response. Unable/unwilling Responsible Party. Corrective action taken. (ISR)
SWIS:	4620
Investigator:	HETZLER
Referred To:	Not reported
Reported to Dept:	3/28/1996
CID:	266
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	7/5/1996

VERNUM RESIDENCE (Continued) **S102233826**

Recommended Penalty:	True
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	3/28/1996
Spill Record Last Update:	11/3/2008
Spiller Name:	BILL HEALY, CONGRESS OIL
Spiller Company:	CONGRESS GAS AND OIL
Spiller Address:	PO BOX 385, 617 MAPLE AVE
Spiller City,St,Zip:	SARATOGA SPRINGS, NY 12866-0385
Spiller Company:	001
Contact Name:	FRANCES VERNUM
Contact Phone:	(518) 885-6127
DEC Memo:	VAPORS IN HOUSE PERSISTED FOR SOME TIME. FINALLY REALIZED THAT MODERATE INDOOR PID READINGS WERE DUE TO INDUSTRIAL DEODORANT THE RESIDENT WAS POURING ON THE RUGS. CHECKED PRODUCTS, GOT PID RESPONSE. ONLY ABLE TO RUN CHEESY BOX FAN DUE TO ELECTRICAL SITUATION. DOH, IN THEIR INFINITE WISDOM, MOVED FAN. NOW WIND BLOWS IN FASTER THAN FAN BLOWS OUT. VAPORS EVENTUALLY DISSIPATED NEVERTHELESS. CONGRESS GAS AND OIL WAS ASKED THREE TIMES TO INSTALL A NEW TANK, BUT NEVER DID. THEY ADVISED MRS VERNUM TO CONTINUE CATCHING THE LEAKING OIL IN A PAN AND DUMPING IT BACK INTO THE TANK. MRS. VERNUM IS 86 YEARS OLD; EVENTUALLY THIS CHORE GOT AHEAD OF HER, RESULTING IN THE SPILL IN HER BASEMENT. CONGRESS WAS IN FOR FURNACE WORK A FEW TIMES DURING THE ACTIVE LEAKING PHASE, BUT NEVER REPORTED A SPILL TO NYSDEC.
Remarks:	LEAK FROM BOTTOM OF TANK ONTO CONCRETE BASEMENT FLOOR. TANK EVACUATED AND IS BEING REPLACED. SPILL BEING CLEANED UP.

Material:

Site ID:	229906
Operable Unit ID:	1027687
Operable Unit:	01
Material ID:	353281
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	50
Units:	Gallons
Recovered:	50
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

63
SSE
1/4-1/2
0.399 mi.
2107 ft.

Relative: Higher

Actual: 363 ft.

MOULD RESIDENCE **HIST LTANKS S102447381**
122 CHURCH AVE **NY Spills N/A**
BALLSTON SPA, NY

HIST LTANKS:

Region of Spill:	5
Spill Number/Closed Date:	9611969 / 06/03/97
Spill Date:	01/03/1997
Spill Time:	19:30
Spill Cause:	Tank Failure
Resource Affectd:	Groundwater

MOULD RESIDENCE (Continued) **S102447381**

Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	/ /
Cleanup Meets Standard:	True
Investigator:	PH
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Reported to Department Date:	01/03/97
Reported to Department Time:	20:33
SWIS:	41
Spiller Contact:	MR.MOULD
Spiller Phone:	(518) 885-1243
Spiller Extention:	Not reported
Spiller Name:	MOULD RESIDENCE
Spiller Address:	122 CHURCH AVE
Spiller City,St,Zip:	BALLSTON SPA, NY 12020-
Spiller Cleanup Date:	/ /
Facility Contact:	MR. MOULD
Facility Phone:	(518) 885-1243
Facility Extention:	Not reported
Spill Notifier:	Other
PBS Number:	Not reported
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	False
Date Region Sent Summary to Central Office:	06/03/97
Corrective Action Plan Submitted:	/ /
Date Spill Entered In Computer Data File:	01/03/97
Time Spill Entered In Computer Data File:	Not reported
Spill Record Last Update:	06/27/97
Is Updated:	False

Tank:

Material:

Material Class Type:	Petroleum
Quantity Spilled:	40
Unkonwn Quantity Spilled:	False
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	True
Material:	#2 FUEL OIL
Class Type:	#2 FUEL OIL
Times Material Entry In File:	24464
CAS Number:	Not reported
Last Date:	19941207
Material Class Type:	Petroleum

MOULD RESIDENCE (Continued) **S102447381**

Quantity Spilled: 40
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: True
Material: #2 FUEL OIL
Class Type: #2 FUEL OIL
Times Material Entry In File: 24464
CAS Number: Not reported
Last Date: 19941207
DEC Remarks: 06/20/97: Final ISR sent to Albany. RFC: Cleanup complete.
Spill Cause: OUTSIDE 275 GALLON FUEL TANK WAS LEAKING ONTO THE SOIL SPILLING 30-40 GALLONS OF OIL REPAIRS WILL BE MADE TOMORROW CLEANUP PLANS WILL BE MADE IN THE AM DUE TO DARKNESS NOW KEN 518-399-2893 HOME NUMBER

SPILLS:
Facility ID: 9611969
DER Facility ID: 138481
Facility Type: ER
Site ID: 164225
DEC Region: 5
Spill Date: 1/3/1997
Spill Number/Closed Date: 9611969 / 6/3/1997
Spill Cause: Equipment Failure
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS: 4620
Investigator: HETZLER
Referred To: Not reported
Reported to Dept: 1/3/1997
CID: 267
Water Affected: Not reported
Spill Source: Private Dwelling
Spill Notifier: Other
Cleanup Ceased: Not reported
Cleanup Meets Std: True
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: 1/3/1997
Spill Record Last Update: 7/24/2009
Spiller Name: MR. MOULD
Spiller Company: MOULD RESIDENCE
Spiller Address: 122 CHURCH AVE
Spiller City,St,Zip: BALLSTON SPA, NY 12020-
Spiller Company: 001
Contact Name: MR.MOULD
Contact Phone: (518) 885-1243
DEC Memo: 06/20/97: Final ISR sent to Albany.RFC: Cleanup complete.
Remarks: OUTSIDE 275 GALLON FUEL TANK WAS LEAKING ONTO THE SOILSPILLING 30-40 GALLONS OF OIL REPAIRS WILL BE MADE TOMORROWCLEANUP PLANS WILL BE MADE IN THE AM DUE TO DARKNESS NOWKEN #518-399-2893 HOME NUMBER

Material:
Site ID: 164225
Operable Unit ID: 1043486

MOULD RESIDENCE (Continued) **S102447381**

Operable Unit:	01
Material ID:	340616
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	40
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

64
ESE
1/4-1/2
0.402 mi.
2120 ft.

WHALEN RESIDENCE **LTANKS** **S104621773**
86 MCLEAN ST **HIST LTANKS** **N/A**
BALLSTON SPA, NY

Relative:
Higher

Actual:
304 ft.

LTANKS:

Site ID:	274404
Spill Number/Closed Date:	0002980 / 8/15/2000
Spill Date:	6/9/2000
Spill Cause:	Tank Failure
Spill Source:	Private Dwelling
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4600
Investigator:	MJDIPIET
Referred To:	Not reported
Reported to Dept:	6/9/2000
CID:	389
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	6/9/2000
Spill Record Last Update:	8/16/2000
Spiller Name:	CALLER
Spiller Company:	PATRICK WHALEN
Spiller Address:	86 MCLEAN ST
Spiller City,St,Zip:	BALLSTON SPA, NY 12020-
Spiller County:	001
Spiller Contact:	CALLER
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	5
DER Facility ID:	223193
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MD"- AK382-5869 Sheldon Oil (Roger) or Mark; cut slot into tank.AK investigated. Initial inspection, AK found top of tank uncovered,

WHALEN RESIDENCE (Continued) **S104621773**

tank top cut open with an inexplicable slot cut vertically in tank. This was done by Sheldon Oil people to allow for drainage (?)! GW and surface runoff filled tank and pushed the tank bottoms out, contaminating GW. MC Environmental vacced out oil but left tank bottoms for tank cleaner. Sheldon Oil never cleaned. They intended to fill tank (uncleaned) with sand and abandon in place. Legace Landscape was hired to clean and remove tank. When tank was removed, there was a heavy sheen on GW. Tank was originally installed in shale. All loose material (soil) was excavated and a recovery/monitoring well will be installed.This community is provided public water and sewer. Therefore, long term active remediation probably won't be needed. AK advised responsible party to vac out the RW a couple of times to see if oil can be cleared up. Be advised, beside Sheldon Oil's obvious malpractice in slotting the tank, the tank had a large hole in the bottom (3/4" x 1/4"). This hole may have been plugged with sludge.7/31/00: MD received results from groundwater sampling of recovery/monitoring well. All parameters were ND < 0.5 ug/l with EPA 502.2. No further action required based upon results of groundwater sampling and excavation of material around tank.RFC: Source of contamination removed, impacted groundwater removed.

Remarks: Caller reporting a spill of material from a faulty tank. No clean up as of yet but one has been contacted. No callback necessary.

Material:

Site ID:	274404
Operable Unit ID:	825180
Operable Unit:	01
Material ID:	551315
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

HIST LTANKS:

Region of Spill:	5
Spill Number/Closed Date:	0002980 / 08/15/00
Spill Date:	06/09/2000
Spill Time:	09:00
Spill Cause:	Tank Failure
Resource Affectd:	On Land
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	/ /
Cleanup Meets Standard:	False
Investigator:	MD

WHALEN RESIDENCE (Continued) **S104621773**

Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Reported to Department Date:	06/09/00
Reported to Department Time:	11:41
SWIS:	41
Spiller Contact:	CALLER
Spiller Phone:	( ) -
Spiller Extention:	Not reported
Spiller Name:	PATRICK WHALEN
Spiller Address:	86 MCLEAN ST
Spiller City,St,Zip:	BALLSTON SPA, NY 12020-
Spiller Cleanup Date:	/ /
Facility Contact:	CALLER
Facility Phone:	( ) -
Facility Extention:	Not reported
Spill Notifier:	Responsible Party
PBS Number:	Not reported
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	False
Date Region Sent Summary to Central Office:	/ /
Corrective Action Plan Submitted:	/ /
Date Spill Entered In Computer Data File:	06/09/00
Time Spill Entered In Computer Data File:	Not reported
Spill Record Last Update:	08/16/00
Is Updated:	False

Tank:

Material:

Material Class Type:	Petroleum
Quantity Spilled:	0
Unkonwn Quantity Spilled:	True
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	#2 FUEL OIL
Class Type:	#2 FUEL OIL
Times Material Entry In File:	24464
CAS Number:	Not reported
Last Date:	19941207
Material Class Type:	Petroleum
Quantity Spilled:	0
Unkonwn Quantity Spilled:	True
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	#2 FUEL OIL
Class Type:	#2 FUEL OIL

WHALEN RESIDENCE (Continued) **S104621773**

Times Material Entry In File: 24464
CAS Number: Not reported
Last Date: 19941207
DEC Remarks: - AK 382-5869 Sheldon Oil Roger) or Mark; cut slot into tank. AK investigated. Initial inspection, AK found top of tank uncovered, tank top cut open with an inexplicable slot cut vertically in tank. This was done by Sheldon Oil people to allow for drainage ?) GW and surface runoff filled tank and pushed the tank bottoms out, contaminating GW. MC Environmental vacced out oil but left tank bottoms for tank cleaner. Sheldon Oil never cleaned. They intended to fill tank uncleaned) with sand and abandon in place. Legace Landscape was hired to clean and remove tank. When tank was removed, there was a heavy sheen on GW. Tank was originally installed in shale. All loose material soil) was excavated and a recovery/monitoring well will be installed. This community is provided public water and sewer. Therefore, long term active remediation probably won t be needed. AK advised responsible party to vac out the RW a couple of times to see if oil can be cleared up. Be advised, beside Sheldon Oil s obvious malpractice in slotting the tank, the tank had a large hole in the bottom 3/4 x 1/4). This hole may have been plugged with sludge. 7/31/00: MD received results from groundwater sampling of recovery/monitoring well. Allparameters were ND < 0.5 ug/l with EPA 502.2. No further action required based upon results of groundwater sampling and excavation of material around tank. RFC: Source of contamination removed, impacted groundwater removed.
Spill Cause: Caller reporting a spill of material from a faulty tank. No clean up as of yet but one has been contacted. No callback necessary.

65
East
1/4-1/2
0.477 mi.
2516 ft.

RESIDENCE **LTANKS** **S105230620**
96 EASTERN AVE **N/A**
BALLSTON SPA, NY

Relative:
Higher

Actual:
297 ft.

LTANKS:
Site ID: 308755
Spill Number/Closed Date: 0109605 / 2/27/2002
Spill Date: 1/3/2002
Spill Cause: Tank Failure
Spill Source: Private Dwelling
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased: Not reported
Cleanup Meets Standard: True
SWIS: 4600
Investigator: MJDIPIET
Referred To: Not reported
Reported to Dept: 1/3/2002
CID: 323
Water Affected: Not reported
Spill Notifier: Other
Last Inspection: Not reported
Recommended Penalty: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 1/3/2002
Spill Record Last Update: 2/27/2002
Spiller Name: Not reported
Spiller Company: RESIDENCE
Spiller Address: Not reported
Spiller City,St,Zip: ZZ -

RESIDENCE (Continued) **S105230620**

Spiller County:	001
Spiller Contact:	STAN LIEBERT
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	5
DER Facility ID:	249346
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MD"01/03/02: Caller indicates that he is preparing a proposal to address the tank failure and is aranging a disposal time at ESMI.01/22/02: Dig out was begun on 1/21. Continuing today. Inspected site in PM. Excavation is on the order of 25-30 feet square with an average depth of 12 feet. North, west, and south sides of excavation have screened as clean by contractor. Working on east side; contamination seems to be limited to pockets of silty clay. Tank was very old and not used for 30-40 years. Residual contamination is weathered and low in volatile fractions. Dig out should be completed later today. Samples collected for analysis.01/23/02: Further dig out being done. Due to lack of plant capacity, soil is being stockpiled on poly at site for later removal.02/06/02: Received analytical post excavation sampling results. Soils at limits of excavation meet standards.RFC: Spill addessed.
Remarks:	Property in estate. Failure of an underground tank.

Material:

Site ID:	308755
Operable Unit ID:	847947
Operable Unit:	01
Material ID:	527256
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Count: 21 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BALLSTON SPA	1000269887	RICKETTS LAUNDERERS AND DRY CLEANE	ROUTE 30	12020	FINDS,MANIFEST,RCRA-CESQG
BALLSTON	1000292500	NIAGARA MOHAWK POWER CORPORATION	ROUTE 67	12020	FINDS,RCRA-NLR,MANIFEST
MALTA	1000343031	ROBOTICS INCORPORATED	ROUTE 9	12020	FINDS,MANIFEST,RCRA-NLR
BALLSTON SPA	1009235077	VERIZON	RTE 50 & RTE 67		MANIFEST
MALTA	1012186975	NYSDOT BIN 1029190	RTE 67 OVER I-87	12020	RCRA-LQG
MALTA	1014399320	CVS PHARMACY #5389	2535 ROUTE 9	12020	RCRA-LQG
BALLSTON SPA	S103829272	CARCO	ROUTE 67		SPILLS,HIST SPILLS
BALLSTON SPA	S106868594	SUBSATION	ROUTE 67 WEST		SPILLS
BALLSTON SPA	S108058457	SARATOGA LAKE	2207 ROUTE 9P		SPILLS
	S108058973	TAX MAP 221.-1-4.2	ROUTE 4		SPILLS
BALLSTON SPA	S109414291	CUMBERLAND FARMS # 3161	MILTON & RTE 50		SPILLS
BALLSTON SPA	S109787464	VILLAGE BODY WORKS	831 RTE 67	12020	MANIFEST
BALLSTON SPA	S109943548	CUMBERLAND FARMS 3161	MILTON AVE AND ROUTE 50		SPILLS
BALLSTON SPA	S110309116	MORRIS FORD	ROUTE 50		SPILLS
BALLSTON SPA	S110768674	POLE TOP 402	1012 ROUTE 50		SPILLS
MALTA	S111158243	CVS PHARMACY #5389	2535 ROUTE 9	12020	MANIFEST
BALLSTON SPA	U001846185	MOBIL S/S 08-KP8	2953 ROUTE 9	12020	UST,HIST UST
BALLSTON SPA	U004062444	CURTIS LUMBER CO., INC.	885 ROUTE 67	12020	UST
BALLSTON SPA	U004079304	LANE ENTERPRISES, INC.	825 ROUTE 67	12020	UST
MALTA	U004079334	TOWN OF MALTA COMPLEX	2540 ROUTE 9	12020	UST
MALTA	U004081098	SARATOGA STADIUM, INC.	2671 ROUTE 9	12020	UST

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 02/01/2013
Date Data Arrived at EDR: 03/01/2013
Date Made Active in Reports: 03/13/2013
Number of Days to Update: 12

Source: EPA
Telephone: N/A
Last EDR Contact: 04/10/2013
Next Scheduled EDR Contact: 07/22/2013
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 02/01/2013
Date Data Arrived at EDR: 03/01/2013
Date Made Active in Reports: 03/13/2013
Number of Days to Update: 12

Source: EPA
Telephone: N/A
Last EDR Contact: 04/10/2013
Next Scheduled EDR Contact: 07/22/2013
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 02/01/2013
Date Data Arrived at EDR: 03/01/2013
Date Made Active in Reports: 03/13/2013
Number of Days to Update: 12

Source: EPA
Telephone: N/A
Last EDR Contact: 04/10/2013
Next Scheduled EDR Contact: 07/22/2013
Data Release Frequency: Quarterly

Federal CERCLIS list

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 02/04/2013
Date Data Arrived at EDR: 03/01/2013
Date Made Active in Reports: 03/13/2013
Number of Days to Update: 12

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 04/05/2013
Next Scheduled EDR Contact: 06/10/2013
Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 10/09/2012
Date Made Active in Reports: 12/20/2012
Number of Days to Update: 72

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 04/10/2013
Next Scheduled EDR Contact: 07/22/2013
Data Release Frequency: Varies

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 02/05/2013
Date Data Arrived at EDR: 03/01/2013
Date Made Active in Reports: 03/13/2013
Number of Days to Update: 12

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 04/05/2013
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 02/12/2013
Date Data Arrived at EDR: 02/21/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 6

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 04/03/2013
Next Scheduled EDR Contact: 07/15/2013
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 02/12/2013
Date Data Arrived at EDR: 02/15/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 12

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 04/03/2013
Next Scheduled EDR Contact: 07/15/2013
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 02/12/2013
Date Data Arrived at EDR: 02/15/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 12

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 04/03/2013
Next Scheduled EDR Contact: 07/15/2013
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 02/12/2013
Date Data Arrived at EDR: 02/15/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 12

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 04/03/2013
Next Scheduled EDR Contact: 07/15/2013
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 02/12/2013
Date Data Arrived at EDR: 02/15/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 12

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 04/03/2013
Next Scheduled EDR Contact: 07/15/2013
Data Release Frequency: Varies

Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 12/19/2012
Date Data Arrived at EDR: 12/26/2012
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 03/11/2013
Next Scheduled EDR Contact: 06/24/2013
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 12/19/2012
Date Data Arrived at EDR: 12/26/2012
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 03/11/2013
Next Scheduled EDR Contact: 06/24/2013
Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005
Date Data Arrived at EDR: 12/11/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 31

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 02/18/2013
Next Scheduled EDR Contact: 06/03/2013
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 01/17/2013
Date Made Active in Reports: 02/15/2013
Number of Days to Update: 29

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 04/02/2013
Next Scheduled EDR Contact: 07/15/2013
Data Release Frequency: Annually

State- and tribal - equivalent CERCLIS

SHWS: Inactive Hazardous Waste Disposal Sites in New York State

Referred to as the State Superfund Program, the Inactive Hazardous Waste Disposal Site Remedial Program is the cleanup program for inactive hazardous waste sites and now includes hazardous substance sites

Date of Government Version: 02/19/2013
Date Data Arrived at EDR: 02/20/2013
Date Made Active in Reports: 03/15/2013
Number of Days to Update: 23

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 03/21/2013
Next Scheduled EDR Contact: 06/03/2013
Data Release Frequency: Annually

VAPOR REOPENED: Vapor Intrustion Legacy Site List

New York is currently re-evaluating previous assumptions and decisions regarding the potential for soil vapor intrusion exposures at sites. As a result, all past, current, and future contaminated sites will be evaluated to determine whether these sites have the potential for exposures related to soil vapor intrusion.

Date of Government Version: 01/01/2013
Date Data Arrived at EDR: 02/20/2013
Date Made Active in Reports: 03/15/2013
Number of Days to Update: 23

Source: Department of Environmenal Conservation
Telephone: 518-402-9814
Last EDR Contact: 02/20/2013
Next Scheduled EDR Contact: 06/03/2013
Data Release Frequency: Varies

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: Facility Register

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 01/07/2013
Date Data Arrived at EDR: 01/09/2013
Date Made Active in Reports: 01/16/2013
Number of Days to Update: 7

Source: Department of Environmental Conservation
Telephone: 518-457-2051
Last EDR Contact: 04/08/2013
Next Scheduled EDR Contact: 07/22/2013
Data Release Frequency: Semi-Annually

State and tribal leaking storage tank lists

LTANKS: Spills Information Database

Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills.

Date of Government Version: 02/19/2013
Date Data Arrived at EDR: 02/20/2013
Date Made Active in Reports: 03/15/2013
Number of Days to Update: 23

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 04/05/2013
Next Scheduled EDR Contact: 06/03/2013
Data Release Frequency: Varies

HIST LTANKS: Listing of Leaking Storage Tanks

A listing of leaking underground and aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills. In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY LTANKS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 07/08/2005
Date Made Active in Reports: 07/14/2005
Number of Days to Update: 6

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 07/07/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 02/05/2013
Date Data Arrived at EDR: 02/06/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 65

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 10/30/2012
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Quarterly

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 08/27/2012
Date Data Arrived at EDR: 08/28/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 49
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 03/21/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Quarterly

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 09/12/2011
Date Data Arrived at EDR: 09/13/2011
Date Made Active in Reports: 11/11/2011
Number of Days to Update: 59
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 03/21/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 02/28/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 43
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/28/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 09/28/2012
Date Data Arrived at EDR: 11/01/2012
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 162
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 02/01/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 02/06/2013
Date Data Arrived at EDR: 02/08/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 63
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 01/28/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Semi-Annually

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 03/01/2013
Date Data Arrived at EDR: 03/01/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 42
Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 01/28/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Quarterly

State and tribal registered storage tank lists

TANKS: Storage Tank Faciliy Listing
This database contains records of facilities that are or have been regulated under Bulk Storage Program. Tank information for these facilities may not be releasable by the state agency.

Date of Government Version: 01/02/2013
Date Data Arrived at EDR: 01/02/2013
Date Made Active in Reports: 01/16/2013
Number of Days to Update: 14

Source: Department of Environmental Conservation
Telephone: 518-402-9543
Last EDR Contact: 04/03/2013
Next Scheduled EDR Contact: 07/15/2013
Data Release Frequency: Quarterly

UST: Petroleum Bulk Storage (PBS) Database
Facilities that have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons.

Date of Government Version: 01/02/2013
Date Data Arrived at EDR: 01/02/2013
Date Made Active in Reports: 01/16/2013
Number of Days to Update: 14

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 04/03/2013
Next Scheduled EDR Contact: 07/15/2013
Data Release Frequency: No Update Planned

CBS UST: Chemical Bulk Storage Database
Facilities that store regulated hazardous substances in underground tanks of any size

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 10/24/2005
Next Scheduled EDR Contact: 01/23/2006
Data Release Frequency: No Update Planned

MOSF UST: Major Oil Storage Facilities Database
Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: Varies

AST: Petroleum Bulk Storage
Registered Aboveground Storage Tanks.

Date of Government Version: 01/02/2013
Date Data Arrived at EDR: 01/02/2013
Date Made Active in Reports: 01/16/2013
Number of Days to Update: 14

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 04/03/2013
Next Scheduled EDR Contact: 07/15/2013
Data Release Frequency: No Update Planned

CBS AST: Chemical Bulk Storage Database
Facilities that store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

MOSF AST: Major Oil Storage Facilities Database
Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CBS: Chemical Bulk Storage Site Listing

These facilities store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size

Date of Government Version: 01/02/2013
Date Data Arrived at EDR: 01/02/2013
Date Made Active in Reports: 01/16/2013
Number of Days to Update: 14

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 04/03/2013
Next Scheduled EDR Contact: 07/15/2013
Data Release Frequency: Quarterly

MOSF: Major Oil Storage Facility Site Listing

These facilities may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/02/2013
Date Data Arrived at EDR: 01/02/2013
Date Made Active in Reports: 01/16/2013
Number of Days to Update: 14

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 04/03/2013
Next Scheduled EDR Contact: 07/15/2013
Data Release Frequency: Quarterly

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 02/06/2013
Date Data Arrived at EDR: 02/08/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 63

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 01/28/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Semi-Annually

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 09/28/2012
Date Data Arrived at EDR: 11/07/2012
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 156

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 02/01/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 08/02/2012
Date Data Arrived at EDR: 08/03/2012
Date Made Active in Reports: 11/05/2012
Number of Days to Update: 94

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 03/19/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/10/2011
Date Data Arrived at EDR: 05/11/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 34

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 03/21/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Semi-Annually

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 02/28/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 43

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/28/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 08/27/2012
Date Data Arrived at EDR: 08/28/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 49

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 01/28/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 02/05/2013
Date Data Arrived at EDR: 02/06/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 65

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/28/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 02/21/2013
Date Data Arrived at EDR: 02/26/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 45

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 01/28/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Quarterly

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 04/18/2013
Next Scheduled EDR Contact: 07/29/2013
Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

ENG CONTROLS: Registry of Engineering Controls

Environmental Remediation sites that have engineering controls in place.

Date of Government Version: 02/19/2013
Date Data Arrived at EDR: 02/20/2013
Date Made Active in Reports: 03/15/2013
Number of Days to Update: 23

Source: Department of Environmental Conservation
Telephone: 518-402-9553
Last EDR Contact: 03/21/2013
Next Scheduled EDR Contact: 06/03/2013
Data Release Frequency: Quarterly

INST CONTROL: Registry of Institutional Controls
Environmental Remediation sites that have institutional controls in place.

Date of Government Version: 02/19/2013
Date Data Arrived at EDR: 02/20/2013
Date Made Active in Reports: 03/15/2013
Number of Days to Update: 23
Source: Department of Environmental Conservation
Telephone: 518-402-9553
Last EDR Contact: 03/21/2013
Next Scheduled EDR Contact: 06/03/2013
Data Release Frequency: Quarterly

RES DECL: Restrictive Declarations Listing
A restrictive declaration is a covenant running with the land which binds the present and future owners of the property. As a condition of certain special permits, the City Planning Commission may require an applicant to sign and record a restrictive declaration that places specified conditions on the future use and development of the property. Certain restrictive declarations are indicated by a D on zoning maps.

Date of Government Version: 11/18/2010
Date Data Arrived at EDR: 12/23/2010
Date Made Active in Reports: 02/11/2011
Number of Days to Update: 50
Source: NYC Department of City Planning
Telephone: 212-720-3401
Last EDR Contact: 03/29/2013
Next Scheduled EDR Contact: 07/08/2013
Data Release Frequency: No Update Planned

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27
Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 09/28/2012
Date Data Arrived at EDR: 10/02/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 14
Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 04/05/2013
Next Scheduled EDR Contact: 07/15/2013
Data Release Frequency: Varies

VCP: Voluntary Cleanup Agreements
New York established its Voluntary Cleanup Program (VCP) to address the environmental, legal and financial barriers that often hinder the redevelopment and reuse of contaminated properties. The Voluntary Cleanup Program was developed to enhance private sector cleanup of brownfields by enabling parties to remediate sites using private rather than public funds and to reduce the development pressures on "greenfield" sites.

Date of Government Version: 02/19/2013
Date Data Arrived at EDR: 02/20/2013
Date Made Active in Reports: 03/15/2013
Number of Days to Update: 23
Source: Department of Environmental Conservation
Telephone: 518-402-9711
Last EDR Contact: 03/21/2013
Next Scheduled EDR Contact: 06/03/2013
Data Release Frequency: Semi-Annually

State and tribal Brownfields sites

ERP: Environmental Restoration Program Listing
In an effort to spur the cleanup and redevelopment of brownfields, New Yorkers approved a $200 million Environmental Restoration or Brownfields Fund as part of the $1.75 billion Clean Water/Clean Air Bond Act of 1996 (1996 Bond Act). Enhancements to the program were enacted on October 7, 2003. Under the Environmental Restoration Program, the State provides grants to municipalities to reimburse up to 90 percent of on-site eligible costs and 100% of off-site eligible costs for site investigation and remediation activities. Once remediated, the property may then be reused for commercial, industrial, residential or public use.

Date of Government Version: 02/19/2013
Date Data Arrived at EDR: 02/20/2013
Date Made Active in Reports: 03/15/2013
Number of Days to Update: 23

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 03/21/2013
Next Scheduled EDR Contact: 06/03/2013
Data Release Frequency: Quarterly

BROWNFIELDS: Brownfields Site List

A Brownfield is any real property where redevelopment or re-use may be complicated by the presence or potential presence of a hazardous waste, petroleum, pollutant, or contaminant.

Date of Government Version: 02/19/2013
Date Data Arrived at EDR: 02/20/2013
Date Made Active in Reports: 03/15/2013
Number of Days to Update: 23

Source: Department of Environmental Conservation
Telephone: 518-402-9764
Last EDR Contact: 03/21/2013
Next Scheduled EDR Contact: 06/03/2013
Data Release Frequency: Semi-Annually

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 12/10/2012
Date Data Arrived at EDR: 12/11/2012
Date Made Active in Reports: 12/20/2012
Number of Days to Update: 9

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 03/26/2013
Next Scheduled EDR Contact: 07/08/2013
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 01/28/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: No Update Planned

SWRCY: Registered Recycling Facility List

A listing of recycling facilities.

Date of Government Version: 01/07/2013
Date Data Arrived at EDR: 01/09/2013
Date Made Active in Reports: 01/16/2013
Number of Days to Update: 7

Source: Department of Environmental Conservation
Telephone: 518-402-8705
Last EDR Contact: 04/08/2013
Next Scheduled EDR Contact: 07/22/2013
Data Release Frequency: Semi-Annually

SWTIRE: Registered Waste Tire Storage & Facility List
A listing of facilities registered to accept waste tires.

Date of Government Version: 08/01/2006
Date Data Arrived at EDR: 11/15/2006
Date Made Active in Reports: 11/30/2006
Number of Days to Update: 15

Source: Department of Environmental Conservation
Telephone: 518-402-8694
Last EDR Contact: 01/25/2013
Next Scheduled EDR Contact: 05/06/2013
Data Release Frequency: Annually

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 02/05/2013
Next Scheduled EDR Contact: 05/20/2013
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US CDL: Clandestine Drug Labs
A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 11/14/2012
Date Data Arrived at EDR: 12/11/2012
Date Made Active in Reports: 02/15/2013
Number of Days to Update: 66

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/04/2013
Next Scheduled EDR Contact: 06/17/2013
Data Release Frequency: Quarterly

DEL SHWS: Delisted Registry Sites
A database listing of sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites.

Date of Government Version: 02/19/2013
Date Data Arrived at EDR: 02/20/2013
Date Made Active in Reports: 03/15/2013
Number of Days to Update: 23

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 03/21/2013
Next Scheduled EDR Contact: 06/03/2013
Data Release Frequency: Annually

US HIST CDL: National Clandestine Laboratory Register
A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/01/2007
Date Data Arrived at EDR: 11/19/2008
Date Made Active in Reports: 03/30/2009
Number of Days to Update: 131

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

Local Lists of Registered Storage Tanks

HIST UST: Historical Petroleum Bulk Storage Database
These facilities have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons. This database contains detailed information per site. It is no longer updated due to the sensitive nature of the information involved. See UST for more current data.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 06/02/2006
Date Made Active in Reports: 07/20/2006
Number of Days to Update: 48
Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 10/23/2006
Next Scheduled EDR Contact: 01/22/2007
Data Release Frequency: Varies

HIST AST: Historical Petroleum Bulk Storage Database
These facilities have petroleum storage capabilities in excess of 1,100 gallons and less than 400,000 gallons. This database contains detailed information per site. No longer updated due to the sensitive nature of the information involved. See AST for more current data.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 06/02/2006
Date Made Active in Reports: 07/20/2006
Number of Days to Update: 48
Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 10/23/2006
Next Scheduled EDR Contact: 01/22/2007
Data Release Frequency: No Update Planned

Local Land Records

LIENS 2: CERCLA Lien Information
A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/16/2012
Date Data Arrived at EDR: 03/26/2012
Date Made Active in Reports: 06/14/2012
Number of Days to Update: 80
Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 04/10/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Varies

LIENS: Spill Liens Information
Lien information from the Oil Spill Fund.

Date of Government Version: 02/22/2013
Date Data Arrived at EDR: 02/27/2013
Date Made Active in Reports: 03/15/2013
Number of Days to Update: 16
Source: Office of the State Comptroller
Telephone: 518-474-9034
Last EDR Contact: 02/11/2013
Next Scheduled EDR Contact: 05/27/2013
Data Release Frequency: Varies

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 55
Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 04/02/2013
Next Scheduled EDR Contact: 07/15/2013
Data Release Frequency: Annually

SPILLS: Spills Information Database
Data collected on spills reported to NYSDEC as required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

Date of Government Version: 02/19/2013
Date Data Arrived at EDR: 02/20/2013
Date Made Active in Reports: 03/15/2013
Number of Days to Update: 23

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 04/05/2013
Next Scheduled EDR Contact: 06/03/2013
Data Release Frequency: Varies

HIST SPILLS: SPILLS Database

This database contains records of chemical and petroleum spill incidents. Under State law, petroleum and hazardous chemical spills that can impact the waters of the state must be reported by the spiller (and, in some cases, by anyone who has knowledge of the spills). In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY SPILLS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 07/08/2005
Date Made Active in Reports: 07/14/2005
Number of Days to Update: 6

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 07/07/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 02/12/2013
Date Data Arrived at EDR: 02/15/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 12

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 04/03/2013
Next Scheduled EDR Contact: 07/15/2013
Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 02/05/2013
Next Scheduled EDR Contact: 05/20/2013
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 01/17/2013
Next Scheduled EDR Contact: 04/29/2013
Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 02/26/2013
Date Made Active in Reports: 03/13/2013
Number of Days to Update: 15

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 03/11/2013
Next Scheduled EDR Contact: 06/24/2013
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 01/15/2013
Date Made Active in Reports: 03/13/2013
Number of Days to Update: 57

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 04/01/2013
Next Scheduled EDR Contact: 07/15/2013
Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 12/18/2012
Date Data Arrived at EDR: 03/13/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 30

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 03/13/2013
Next Scheduled EDR Contact: 06/24/2013
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 02/25/2013
Next Scheduled EDR Contact: 06/10/2013
Data Release Frequency: Varies

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/18/2011
Date Data Arrived at EDR: 09/08/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 21

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 03/06/2013
Next Scheduled EDR Contact: 06/17/2013
Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 09/01/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 131

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 02/26/2013
Next Scheduled EDR Contact: 06/10/2013
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 09/29/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 64

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 03/28/2013
Next Scheduled EDR Contact: 07/08/2013
Data Release Frequency: Every 4 Years

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 02/25/2013
Next Scheduled EDR Contact: 06/10/2013
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 02/25/2013
Next Scheduled EDR Contact: 06/10/2013
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems
Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 01/28/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 07/20/2011
Date Data Arrived at EDR: 11/10/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 61

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 04/15/2013
Next Scheduled EDR Contact: 07/29/2013
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 11/01/2010
Date Data Arrived at EDR: 11/10/2010
Date Made Active in Reports: 02/16/2011
Number of Days to Update: 98

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 01/16/2013
Next Scheduled EDR Contact: 04/29/2013
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 06/21/2011
Date Data Arrived at EDR: 07/15/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 60

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 03/11/2013
Next Scheduled EDR Contact: 06/24/2013
Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 01/08/2013
Date Data Arrived at EDR: 01/09/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 93

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 04/11/2013
Next Scheduled EDR Contact: 07/22/2013
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 10/23/2011
Date Data Arrived at EDR: 12/13/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 79

Source: EPA
Telephone: (212) 637-3000
Last EDR Contact: 03/12/2013
Next Scheduled EDR Contact: 06/24/2013
Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 05/08/2012
Date Data Arrived at EDR: 05/25/2012
Date Made Active in Reports: 07/10/2012
Number of Days to Update: 46

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 01/28/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 03/01/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 62

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 02/26/2013
Next Scheduled EDR Contact: 06/10/2013
Data Release Frequency: Biennially

HSWDS: Hazardous Substance Waste Disposal Site Inventory

The list includes any known or suspected hazardous substance waste disposal sites. Also included are sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites and non-Registry sites that U.S. EPA Preliminary Assessment (PA) reports or Site Investigation (SI) reports were prepared. Hazardous Substance Waste Disposal Sites are eligible to be Superfund sites now that the New York State Superfund has been refinanced and changed. This means that the study inventory has served its purpose and will no longer be maintained as a separate entity. The last version of the study inventory is frozen in time. The sites on the study will not automatically be made Superfund sites, rather each site will be further evaluated for listing on the Registry. So overtime they will be added to the registry or not.

Date of Government Version: 01/01/2003
Date Data Arrived at EDR: 10/20/2006
Date Made Active in Reports: 11/30/2006
Number of Days to Update: 41

Source: Department of Environmental Conservation
Telephone: 518-402-9564
Last EDR Contact: 05/26/2009
Next Scheduled EDR Contact: 08/24/2009
Data Release Frequency: No Update Planned

UIC: Underground Injection Control Wells

A listing of enhanced oil recovery underground injection wells.

Date of Government Version: 12/10/2012
Date Data Arrived at EDR: 12/11/2012
Date Made Active in Reports: 01/16/2013
Number of Days to Update: 36

Source: Department of Environmental Conservation
Telephone: 518-402-8056
Last EDR Contact: 03/13/2013
Next Scheduled EDR Contact: 06/24/2013
Data Release Frequency: Quarterly

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 02/01/2013
Date Data Arrived at EDR: 02/07/2013
Date Made Active in Reports: 03/15/2013
Number of Days to Update: 36

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 02/07/2013
Next Scheduled EDR Contact: 05/20/2013
Data Release Frequency: Annually

DRYCLEANERS: Registered Drycleaners

A listing of all registered drycleaning facilities.

Date of Government Version: 01/18/2013
Date Data Arrived at EDR: 01/23/2013
Date Made Active in Reports: 03/15/2013
Number of Days to Update: 51

Source: Department of Environmental Conservation
Telephone: 518-402-8403
Last EDR Contact: 03/18/2013
Next Scheduled EDR Contact: 07/01/2013
Data Release Frequency: Varies

SPDES: State Pollutant Discharge Elimination System

New York State has a state program which has been approved by the United States Environmental Protection Agency for the control of wastewater and stormwater discharges in accordance with the Clean Water Act. Under New York State law the program is known as the State Pollutant Discharge Elimination System (SPDES) and is broader in scope than that required by the Clean Water Act in that it controls point source discharges to groundwaters as well as surface waters.

Date of Government Version: 01/28/2013
Date Data Arrived at EDR: 01/30/2013
Date Made Active in Reports: 03/15/2013
Number of Days to Update: 44

Source: Department of Environmental Conservation
Telephone: 518-402-8233
Last EDR Contact: 04/15/2013
Next Scheduled EDR Contact: 07/29/2013
Data Release Frequency: No Update Planned

AIRS: Air Emissions Data

Point source emissions inventory data.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 08/02/2012
Date Made Active in Reports: 10/03/2012
Number of Days to Update: 62

Source: Department of Environmental Conservation
Telephone: 518-402-8452
Last EDR Contact: 01/28/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Annually

E DESIGNATION: E DESIGNATION SITE LISTING

The (E (Environmental)) designation would ensure that sampling and remediation take place on the subject properties, and would avoid any significant impacts related to hazardous materials at these locations. The (E) designations would require that the fee owner of the sites conduct a testing and sampling protocol, and remediation where appropriate, to the satisfaction of the NYCDEP before the issuance of a building permit by the Department of Buildings pursuant to the provisions of Section 11-15 of the Zoning Resolution (Environmental Requirements). The (E) designations also include a mandatory construction-related health and safety plan which must be approved by NYCDEP.

Date of Government Version: 12/10/2012
Date Data Arrived at EDR: 01/22/2013
Date Made Active in Reports: 03/15/2013
Number of Days to Update: 52

Source: New York City Department of City Planning
Telephone: 718-595-6658
Last EDR Contact: 03/26/2013
Next Scheduled EDR Contact: 07/08/2013
Data Release Frequency: Varies

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 01/17/2013
Next Scheduled EDR Contact: 04/29/2013
Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011
Date Data Arrived at EDR: 03/09/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 01/21/2013
Next Scheduled EDR Contact: 05/06/2013
Data Release Frequency: Varies

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 11/15/2012
Date Data Arrived at EDR: 11/16/2012
Date Made Active in Reports: 02/15/2013
Number of Days to Update: 91

Source: EPA
Telephone: 202-564-5962
Last EDR Contact: 04/01/2013
Next Scheduled EDR Contact: 07/15/2013
Data Release Frequency: Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 01/17/2013
Next Scheduled EDR Contact: 04/29/2013
Data Release Frequency: N/A

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/13/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 02/12/2013
Next Scheduled EDR Contact: 05/27/2013
Data Release Frequency: Quarterly

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 11/20/2012
Date Data Arrived at EDR: 11/30/2012
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 89

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 02/19/2013
Next Scheduled EDR Contact: 06/03/2013
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 11/11/2011
Date Data Arrived at EDR: 05/18/2012
Date Made Active in Reports: 05/25/2012
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 02/15/2013
Next Scheduled EDR Contact: 05/27/2013
Data Release Frequency: Varies

COAL ASH: Coal Ash Disposal Site Listing

A listing of coal ash disposal site locations.

Date of Government Version: 01/08/2013
Date Data Arrived at EDR: 01/09/2013
Date Made Active in Reports: 01/16/2013
Number of Days to Update: 7

Source: Department of Environmental Conservation
Telephone: 518-402-8660
Last EDR Contact: 04/08/2013
Next Scheduled EDR Contact: 07/22/2013
Data Release Frequency: Varies

COAL ASH DOE: Sleam-Electric Plan Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 04/18/2013
Next Scheduled EDR Contact: 07/29/2013
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 08/17/2010
Date Data Arrived at EDR: 01/03/2011
Date Made Active in Reports: 03/21/2011
Number of Days to Update: 77

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 03/15/2013
Next Scheduled EDR Contact: 06/24/2013
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for hazardous waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 10/31/2008
Date Data Arrived at EDR: 11/25/2008
Date Made Active in Reports: 12/11/2008
Number of Days to Update: 16

Source: Department of Environmental Conservation
Telephone: 518-402-8712
Last EDR Contact: 04/08/2013
Next Scheduled EDR Contact: 07/22/2013
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial assurance information.

Date of Government Version: 01/08/2013
Date Data Arrived at EDR: 01/09/2013
Date Made Active in Reports: 01/21/2013
Number of Days to Update: 12

Source: Department of Environmental Conservation
Telephone: 518-402-8660
Last EDR Contact: 04/08/2013
Next Scheduled EDR Contact: 07/22/2013
Data Release Frequency: Quarterly

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)
The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 11/15/2012
Date Data Arrived at EDR: 11/16/2012
Date Made Active in Reports: 02/15/2013
Number of Days to Update: 91
Source: EPA
Telephone: 202-564-5962
Last EDR Contact: 04/01/2013
Next Scheduled EDR Contact: 07/15/2013
Data Release Frequency: Annually

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 12/02/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 03/13/2013
Number of Days to Update: 69
Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 04/04/2013
Next Scheduled EDR Contact: 07/15/2013
Data Release Frequency: Quarterly

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011
Date Data Arrived at EDR: 10/19/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 83
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 02/01/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A
Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR US Hist Auto Stat: EDR Exclusive Historic Gas Stations
EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR US Hist Cleaners: EDR Exclusive Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR US Hist Cleaners: EDR Proprietary Historic Dry Cleaners - Cole

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: N/A
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR US Hist Auto Stat: EDR Proprietary Historic Gas Stations - Cole

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: N/A
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

CORTLAND COUNTY:

Cortland County Storage Tank Listing

A listing of aboveground storage tank sites located in Cortland County.

Date of Government Version: 12/18/2012
Date Data Arrived at EDR: 12/20/2012
Date Made Active in Reports: 01/16/2013
Number of Days to Update: 27

Source: Cortland County Health Department
Telephone: 607-753-5035
Last EDR Contact: 02/04/2013
Next Scheduled EDR Contact: 05/20/2013
Data Release Frequency: Quarterly

Cortland County Storage Tank Listing

A listing of underground storage tank sites located in Cortland County.

Date of Government Version: 12/18/2012
Date Data Arrived at EDR: 12/20/2012
Date Made Active in Reports: 01/16/2013
Number of Days to Update: 27

Source: Cortland County Health Department
Telephone: 607-753-5035
Last EDR Contact: 02/04/2013
Next Scheduled EDR Contact: 05/20/2013
Data Release Frequency: Quarterly

NASSAU COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Registered Tank Database
A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 05/21/2003
Date Data Arrived at EDR: 05/27/2003
Date Made Active in Reports: 06/09/2003
Number of Days to Update: 13

Source: Nassau County Health Department
Telephone: 516-571-3314
Last EDR Contact: 04/08/2013
Next Scheduled EDR Contact: 07/22/2013
Data Release Frequency: No Update Planned

Storage Tank Database
A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 02/15/2011
Date Data Arrived at EDR: 02/23/2011
Date Made Active in Reports: 03/29/2011
Number of Days to Update: 34

Source: Nassau County Office of the Fire Marshal
Telephone: 516-572-1000
Last EDR Contact: 02/04/2013
Next Scheduled EDR Contact: 05/20/2013
Data Release Frequency: Varies

Registered Tank Database
A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 05/21/2003
Date Data Arrived at EDR: 05/27/2003
Date Made Active in Reports: 06/09/2003
Number of Days to Update: 13

Source: Nassau County Health Department
Telephone: 516-571-3314
Last EDR Contact: 04/08/2013
Next Scheduled EDR Contact: 07/22/2013
Data Release Frequency: No Update Planned

Storage Tank Database
A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 02/15/2011
Date Data Arrived at EDR: 02/23/2011
Date Made Active in Reports: 03/29/2011
Number of Days to Update: 34

Source: Nassau County Office of the Fire Marshal
Telephone: 516-572-1000
Last EDR Contact: 02/04/2013
Next Scheduled EDR Contact: 05/20/2013
Data Release Frequency: Varies

ROCKLAND COUNTY:

Petroleum Bulk Storage Database
A listing of aboveground storage tank sites located in Rockland County.

Date of Government Version: 02/08/2013
Date Data Arrived at EDR: 02/08/2013
Date Made Active in Reports: 03/15/2013
Number of Days to Update: 35

Source: Rockland County Health Department
Telephone: 914-364-2605
Last EDR Contact: 03/11/2013
Next Scheduled EDR Contact: 06/24/2013
Data Release Frequency: Quarterly

Petroleum Bulk Storage Database
A listing of underground storage tank sites located in Rockland County.

Date of Government Version: 02/08/2013
Date Data Arrived at EDR: 02/08/2013
Date Made Active in Reports: 03/15/2013
Number of Days to Update: 35

Source: Rockland County Health Department
Telephone: 914-364-2605
Last EDR Contact: 03/11/2013
Next Scheduled EDR Contact: 06/24/2013
Data Release Frequency: Quarterly

SUFFOLK COUNTY:

Storage Tank Database
A listing of aboveground storage tank sites located in Suffolk County.

Date of Government Version: 09/13/2006
Date Data Arrived at EDR: 01/11/2007
Date Made Active in Reports: 02/07/2007
Number of Days to Update: 27
Source: Suffolk County Department of Health Services
Telephone: 631-854-2521
Last EDR Contact: 02/04/2013
Next Scheduled EDR Contact: 05/20/2013
Data Release Frequency: Annually

Storage Tank Database
A listing of underground storage tank sites located in Suffolk County.

Date of Government Version: 09/13/2006
Date Data Arrived at EDR: 01/11/2007
Date Made Active in Reports: 02/07/2007
Number of Days to Update: 27
Source: Suffolk County Department of Health Services
Telephone: 631-854-2521
Last EDR Contact: 02/04/2013
Next Scheduled EDR Contact: 05/20/2013
Data Release Frequency: Annually

WESTCHESTER COUNTY:

Listing of Storage Tanks
A listing of aboveground storage tank sites located in Westchester County.

Date of Government Version: 02/20/2013
Date Data Arrived at EDR: 02/21/2013
Date Made Active in Reports: 03/15/2013
Number of Days to Update: 22
Source: Westchester County Department of Health
Telephone: 914-813-5161
Last EDR Contact: 02/04/2013
Next Scheduled EDR Contact: 05/20/2013
Data Release Frequency: Varies

Listing of Storage Tanks
A listing of underground storage tank sites located in Westchester County.

Date of Government Version: 02/20/2013
Date Data Arrived at EDR: 02/21/2013
Date Made Active in Reports: 03/15/2013
Number of Days to Update: 22
Source: Westchester County Department of Health
Telephone: 914-813-5161
Last EDR Contact: 02/04/2013
Next Scheduled EDR Contact: 05/20/2013
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 02/18/2013
Date Data Arrived at EDR: 02/18/2013
Date Made Active in Reports: 03/21/2013
Number of Days to Update: 31
Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 02/18/2013
Next Scheduled EDR Contact: 06/03/2013
Data Release Frequency: Annually

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/19/2012
Date Made Active in Reports: 08/28/2012
Number of Days to Update: 40

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 01/15/2013
Next Scheduled EDR Contact: 04/29/2013
Data Release Frequency: Annually

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/23/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 57

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 01/21/2013
Next Scheduled EDR Contact: 05/06/2013
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 06/22/2012
Date Made Active in Reports: 07/31/2012
Number of Days to Update: 39

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 02/25/2013
Next Scheduled EDR Contact: 06/10/2013
Data Release Frequency: Annually

VT MANIFEST: Hazardous Waste Manifest Data
Hazardous waste manifest information.

Date of Government Version: 02/15/2013
Date Data Arrived at EDR: 02/21/2013
Date Made Active in Reports: 03/15/2013
Number of Days to Update: 22

Source: Department of Environmental Conservation
Telephone: 802-241-3443
Last EDR Contact: 01/21/2013
Next Scheduled EDR Contact: 05/06/2013
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/19/2012
Date Made Active in Reports: 09/27/2012
Number of Days to Update: 70

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 03/18/2013
Next Scheduled EDR Contact: 07/01/2013
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data
Source: Rextag Strategies Corp.
Telephone: (281) 769-2247
U.S. Electric Transmission and Power Plants Systems Digital GIS Data

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.
Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.
Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.
Daycare Centers: Day Care Providers
Source: Department of Health
Telephone: 212-676-2444

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Freshwater Wetlands
Source: Department of Environmental Conservation
Telephone: 518-402-8961

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

© 2010 Tele Atlas North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

OLD AGWAY STORE
61-2 GALWAY ST
BALLSTON SPA, NY 12020

TARGET PROPERTY COORDINATES

Latitude (North):	43.0016 - 43° 0' 5.76''
Longitude (West):	73.8528 - 73° 51' 10.08''
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	593507.1
UTM Y (Meters):	4761416.0
Elevation:	288 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	43073-A7 SARATOGA SPRINGS, NY
Most Recent Revision:	1967
South Map:	42073-H7 ROUND LAKE, NY
Most Recent Revision:	1980

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

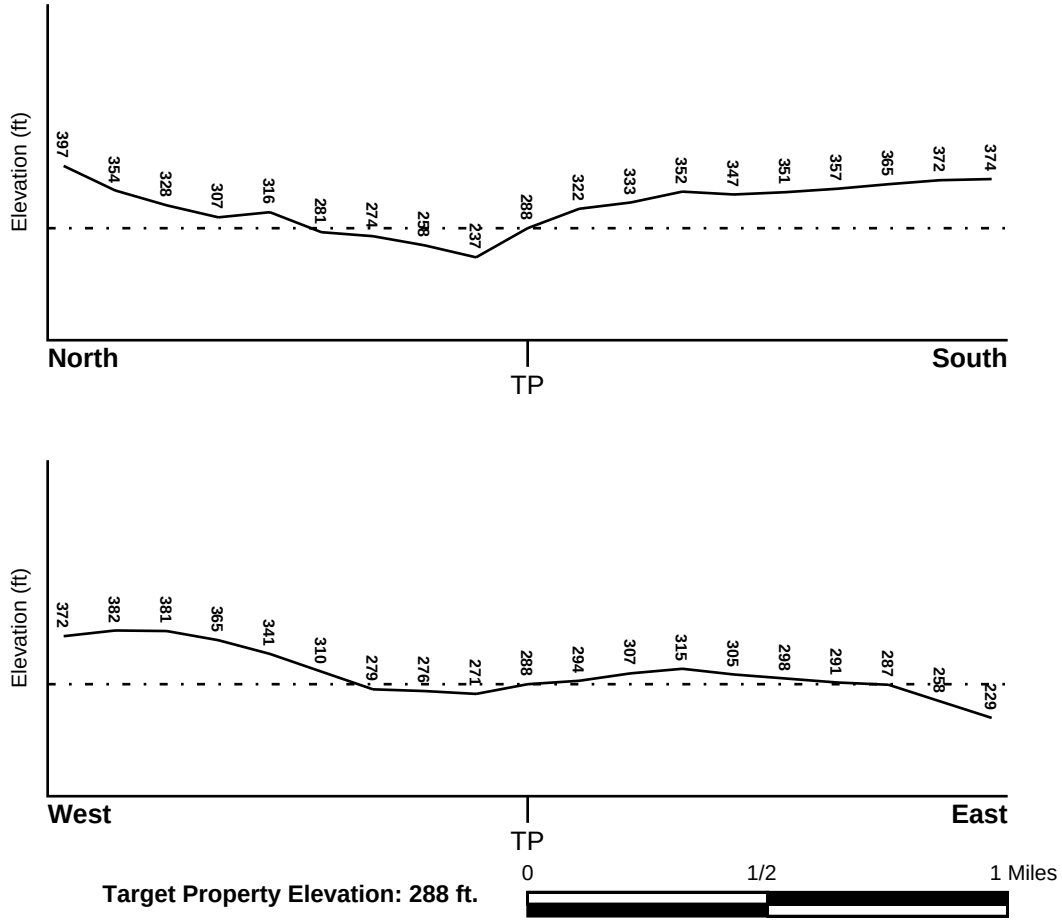
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General NNW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County	FEMA Flood Electronic Data
SARATOGA, NY	YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property:	36091C0438E - FEMA Q3 Flood data
Additional Panels in search area:	36091C0439E - FEMA Q3 Flood data 36091C0552E - FEMA Q3 Flood data 36091C0551E - FEMA Q3 Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
SARATOGA SPRINGS	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

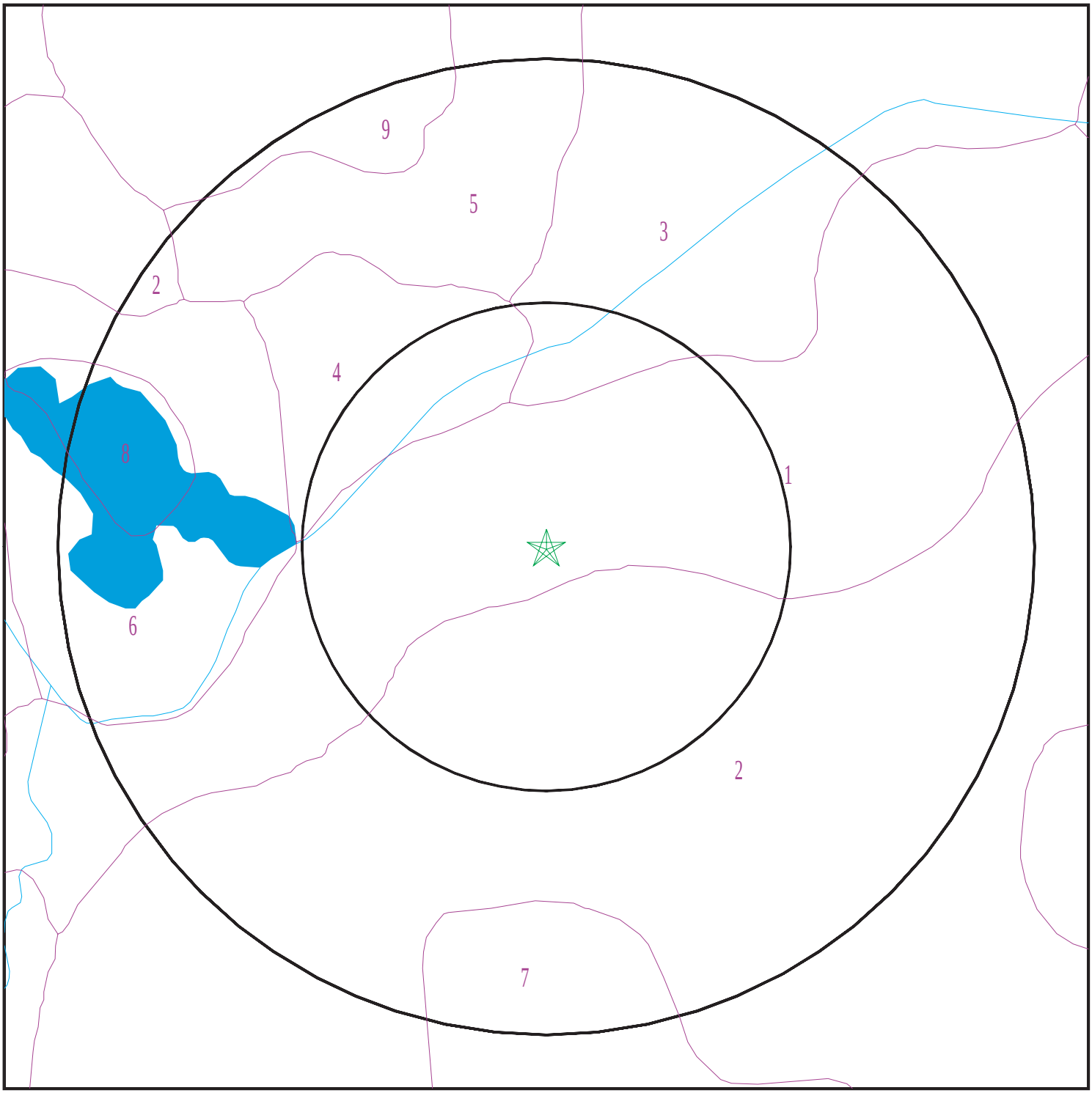
Era:	Paleozoic
System:	Ordovician
Series:	Middle Ordovician (Mohawkian)
Code:	O2 *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 3580682.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	Old Agway Store	CLIENT:	URS Corporation
ADDRESS:	61-2 GALWAY ST Ballston Spa NY 12020	CONTACT:	George Kisluk
		INQUIRY #:	3580682.2s
LAT/LONG:	43.0016 / 73.8528	DATE:	April 18, 2013 4:14 pm

Copyright © 2013 EDR, Inc. © 2010 Tele Atlas Rel. 07/2009.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Windsor

Soil Surface Texture: moderately decomposed plant material

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	1 inches	moderately decomposed plant material	A-8	COARSE-GRAINED SOILS, Sands, Clean Sands, Well-graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 705 Min: 42	Max: 6.5 Min: 4.5
2	1 inches	11 inches	loamy sand	A-8	COARSE-GRAINED SOILS, Sands, Clean Sands, Well-graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 705 Min: 42	Max: 6.5 Min: 4.5
3	11 inches	25 inches	loamy sand	A-8	COARSE-GRAINED SOILS, Sands, Clean Sands, Well-graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 705 Min: 42	Max: 6.5 Min: 4.5

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
4	25 inches	72 inches	loamy sand	A-8	COARSE-GRAINED SOILS, Sands, Clean Sands, Well-graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 705 Min: 42	Max: 6.5 Min: 4.5

Soil Map ID: 2

Soil Component Name: Windsor

Soil Surface Texture: moderately decomposed plant material

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	1 inches	moderately decomposed plant material	A-8	COARSE-GRAINED SOILS, Sands, Clean Sands, Well-graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 705 Min: 42	Max: 6.5 Min: 4.5

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
2	1 inches	11 inches	loamy sand	A-8	COARSE-GRAINED SOILS, Sands, Clean Sands, Well-graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 705 Min: 42	Max: 6.5 Min: 4.5
3	11 inches	25 inches	loamy sand	A-8	COARSE-GRAINED SOILS, Sands, Clean Sands, Well-graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 705 Min: 42	Max: 6.5 Min: 4.5
4	25 inches	72 inches	loamy sand	A-8	COARSE-GRAINED SOILS, Sands, Clean Sands, Well-graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 705 Min: 42	Max: 6.5 Min: 4.5

Soil Map ID: 3

Soil Component Name: Chenango

Soil Surface Texture: silt loam

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Clean Sands, Well-graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 7.3 Min: 5.1
2	5 inches	29 inches	very gravelly fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Clean Sands, Well-graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 7.3 Min: 5.1
3	29 inches	72 inches	very channery fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Clean Sands, Well-graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 7.3 Min: 5.1

Soil Map ID: 4

Soil Component Name: Teel

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 46 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	11 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 7.8 Min: 5.6
2	11 inches	38 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 7.8 Min: 5.6
3	38 inches	72 inches	very fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 7.8 Min: 5.6

Soil Map ID: 5

Soil Component Name: Windsor

Soil Surface Texture: moderately decomposed plant material

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	1 inches	moderately decomposed plant material	A-8	COARSE-GRAINED SOILS, Sands, Clean Sands, Well-graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 705 Min: 42	Max: 6.5 Min: 4.5
2	1 inches	11 inches	loamy sand	A-8	COARSE-GRAINED SOILS, Sands, Clean Sands, Well-graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 705 Min: 42	Max: 6.5 Min: 4.5
3	11 inches	25 inches	loamy sand	A-8	COARSE-GRAINED SOILS, Sands, Clean Sands, Well-graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 705 Min: 42	Max: 6.5 Min: 4.5
4	25 inches	72 inches	sand	A-8	COARSE-GRAINED SOILS, Sands, Clean Sands, Well-graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 705 Min: 42	Max: 6.5 Min: 4.5

Soil Map ID: 6

Soil Component Name: Hoosic

Soil Surface Texture: gravelly sandy loam

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Somewhat excessively drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel.	Max: 705 Min: 141	Max: 6 Min: 4.5
2	9 inches	18 inches	gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel.	Max: 705 Min: 141	Max: 6 Min: 4.5
3	18 inches	24 inches	very gravelly loamy sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel.	Max: 705 Min: 141	Max: 6 Min: 4.5
4	24 inches	72 inches	stratified very gravelly sand to coarse sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel.	Max: 705 Min: 141	Max: 6 Min: 4.5

Soil Map ID: 7

Soil Component Name: Deerfield

Soil Surface Texture: loamy fine sand

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 69 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	loamy fine sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 705 Min: 141	Max: 6.5 Min: 4.5
2	9 inches	25 inches	loamy fine sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 705 Min: 141	Max: 6.5 Min: 4.5
3	25 inches	72 inches	fine sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 705 Min: 141	Max: 6.5 Min: 4.5

Soil Map ID: 8

Soil Component Name: Water

Soil Surface Texture: loamy fine sand

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class:
Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 9

Soil Component Name: Hoosic

Soil Surface Texture: very gravelly loamy sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information

	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	18 inches	24 inches	very gravelly loamy sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel.	Max: 705 Min: 141	Max: 6 Min: 4.5
2	0 inches	9 inches	gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel.	Max: 705 Min: 141	Max: 6 Min: 4.5
3	9 inches	18 inches	gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel.	Max: 705 Min: 141	Max: 6 Min: 4.5
4	24 inches	72 inches	stratified very gravelly sand to coarse sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel.	Max: 705 Min: 141	Max: 6 Min: 4.5

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	USGS40000867719	0 - 1/8 Mile NW
2	USGS40000867745	1/8 - 1/4 Mile ENE
5	USGS40000867610	1/2 - 1 Mile WSW
6	USGS40000867927	1/2 - 1 Mile NE
7	USGS40000867950	1/2 - 1 Mile NW
8	USGS40000867319	1/2 - 1 Mile South
A9	USGS40000867928	1/2 - 1 Mile WNW
A10	USGS40000867943	1/2 - 1 Mile WNW
11	USGS40000868155	1/2 - 1 Mile North

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

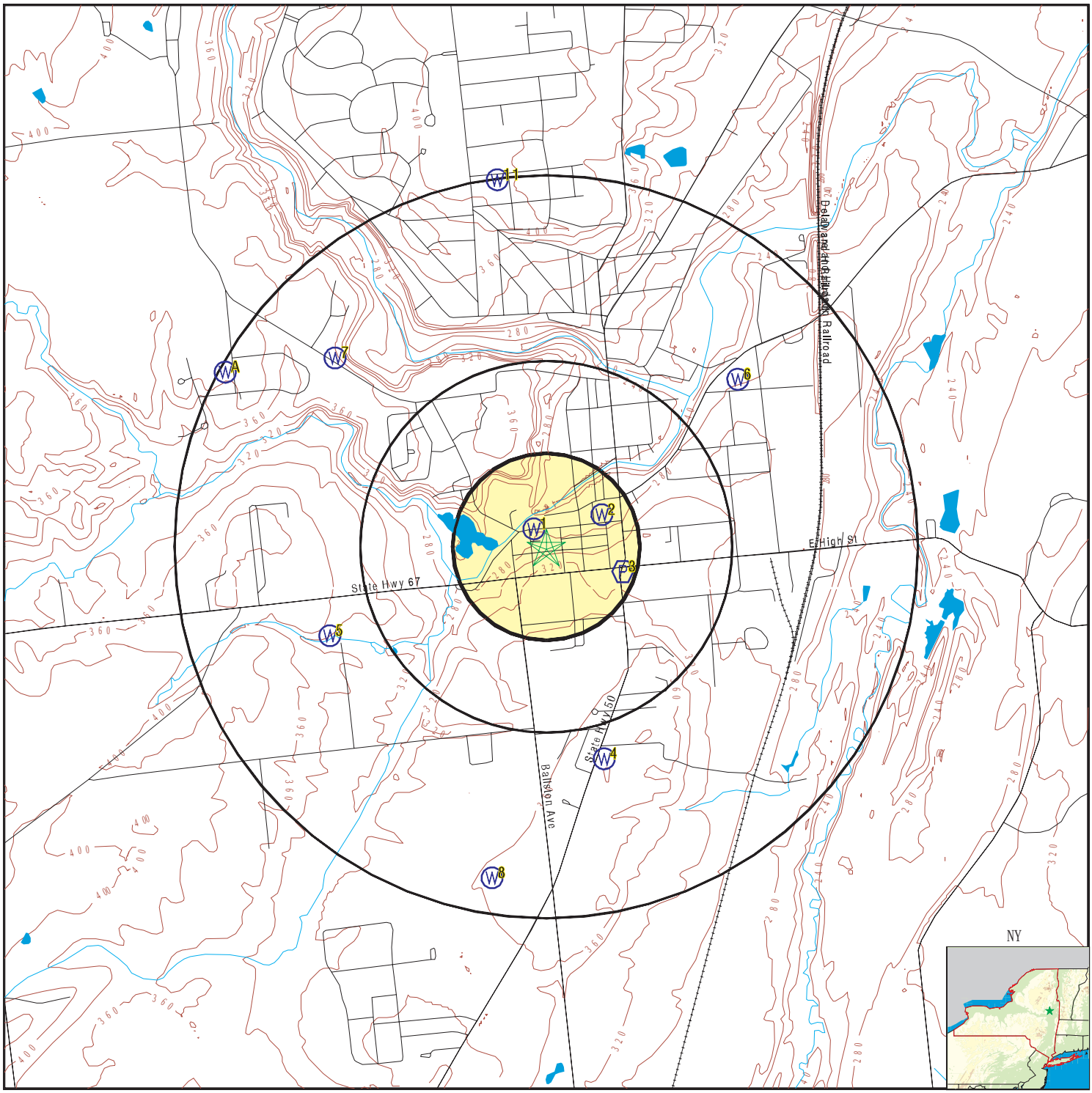
MAP ID	WELL ID	LOCATION FROM TP
3	NY0010709	1/8 - 1/4 Mile ESE

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
4	NYWS001240	1/2 - 1 Mile SSE

PHYSICAL SETTING SOURCE MAP - 3580682.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	Old Agway Store	CLIENT:	URS Corporation
ADDRESS:	61-2 GALWAY ST Ballston Spa NY 12020	CONTACT:	George Kisluk
LAT/LONG:	43.0016 / 73.8528	INQUIRY #:	3580682.2s
		DATE:	April 18, 2013 4:14 pm

Copyright © 2013 EDR, Inc. © 2010 Tele Atlas Rel. 07/2009.

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

1
NW
0 - 1/8 Mile
Lower

FED USGS **USGS40000867719**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-430008073511401		
Monloc name:	SA 767		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02020003	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	43.0022976
Longitude:	-73.8534557	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	270.00
Vert measure units:	feet	Vertacc measure val:	5.0
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Ordovician System		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	647
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

2
ENE
1/8 - 1/4 Mile
Lower

FED USGS **USGS40000867745**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-430010073510101		
Monloc name:	SA 771		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02020003	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	43.0028531
Longitude:	-73.8498445	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	290.00
Vert measure units:	feet	Vertacc measure val:	5.0
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Ordovician System		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	709
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

3
ESE **FRDS PWS** **NY0010709**
1/8 - 1/4 Mile
Higher

PWS ID:	NY0010709		
Date Initiated:	7706	Date Deactivated:	Not Reported
PWS Name:	MCDONALDS MOONCREST MANOR HALFMOON (T)		
Addressee / Facility:	Mailing MCDONALD MICHAEL 7 PLANK RD WATERFORD, NY 12188		
Facility Latitude:	43 00 02	Facility Longitude:	073 50 57
Facility Latitude:	42 50 07	Facility Longitude:	073 44 14
City Served:	HALFMOON (T)		
Treatment Class:	Untreated	Population:	00000045

Violations information not reported.

4
SSE **NY WELLS** **NYWS001240**
1/2 - 1 Mile
Higher

Well Id:	NY4501811	System name:	OAKWOOD MOBILE HOME PARK
System Id:	W001	Well name:	DRILLED WELL-6",55' DEEP
Type:	Well	Active?:	Active
County:	SARATOGA COUNTY	Latitude:	425936 000
Longitude:	735059 000	Slec_type_:	AC
Agency:	BADRUDDIN, MOHAMED		
Address:	RD 65, Rte 9		
City/State/Zip:	GANSEVOORT NY 12831		
Phone:	518-793-1848		

5
WSW **FED USGS** **USGS40000867610**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-425953073515301		
Monloc name:	SA 389		
Monloc type:	Well		
Monloc desc:	USGS BULL.GW-49		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	42.9981309
Longitude:	-73.8642893	Sourcemap scale:	24000

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	340
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	250
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

6
NE **FED USGS** **USGS40000867927**
1/2 - 1 Mile
Lower

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-430029073503501		
Monloc name:	SA 291		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02020003	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	43.0081309
Longitude:	-73.8426221	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	280.00
Vert measure units:	feet	Vertacc measure val:	5.0
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Ordovician System		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	720
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

7
NW **FED USGS** **USGS40000867950**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-430032073515201		
Monloc name:	SA 691		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02020003	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	43.0089641
Longitude:	-73.8640116	Sourcemap scale:	24000

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	350.00
Vert measure units:	feet	Vertacc measure val:	5.0
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Quaternary System		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	28
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

8
South **FED USGS** **USGS40000867319**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-425919073512201		
Monloc name:	SA 448		
Monloc type:	Well		
Monloc desc:	USGS BULL. GW-49		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	42.9886866
Longitude:	-73.855678	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	360
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	167
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

A9
WNW **FED USGS** **USGS40000867928**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-430029073521301		
Monloc name:	SA 684		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02020003	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	43.0081308
Longitude:	-73.8698451	Sourcemap scale:	24000

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	380.00
Vert measure units:	feet	Vertacc measure val:	5.0
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Quaternary System		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	25
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

A10
WNW
1/2 - 1 Mile
Higher

FED USGS **USGS40000867943**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-430031073521301		
Monloc name:	SA 683		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02020003	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	43.0086863
Longitude:	-73.8698451	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	380.00
Vert measure units:	feet	Vertacc measure val:	5.0
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Quaternary System		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	20
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

11
North
1/2 - 1 Mile
Higher

FED USGS **USGS40000868155**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-430057073512101		
Monloc name:	SA 725		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02020003	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	43.0159085
Longitude:	-73.8554003	Sourcemap scale:	24000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	400.00
Vert measure units:	feet	Vertacc measure val:	5.0
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Quaternary System		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	31
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: NY Radon

Radon Test Results

County	Town	Num Tests	Avg Result	Geo Mean	Max Result
SARATOGA	BALLSTON	266	4.25	2.47	51.5
SARATOGA	CHARLTON	78	6.4	3.87	67.1
SARATOGA	CLIFTON PARK	314	3.84	2	75.7
SARATOGA	CORINTH	17	3.65	1.9	18.5
SARATOGA	DAY	2	2.45	2.36	3.1
SARATOGA	EDINBURG	2	0.4	0.26	0.7
SARATOGA	GALWAY	26	3.58	2.37	15.1
SARATOGA	GREENFIELD	24	3.33	2.44	14.3
SARATOGA	HADLEY	18	3.76	2.44	19.8
SARATOGA	HALFMOON	59	3.98	2.05	73.2
SARATOGA	MALTA	63	5.54	3.32	41.7
SARATOGA	MECHANICVILLE	47	4.55	2.67	19.7
SARATOGA	MILTON	25	1.96	1.04	13.7
SARATOGA	MOREAU	32	3.23	2.17	23.6
SARATOGA	NORTHUMBERLAND	29	3.02	2.05	18.8
SARATOGA	PROVIDENCE	2	3.75	3.6	4.8
SARATOGA	SARATOGA	42	7.64	2.48	142.2
SARATOGA	SARATOGA SPGS.	132	3.84	2.1	49.7
SARATOGA	STILLWATER	29	4.35	1.88	27.6
SARATOGA	WATERFORD	46	4.28	2.75	20.3
SARATOGA	WILTON	31	2.36	1.46	14.4

Federal EPA Radon Zone for SARATOGA County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for SARATOGA COUNTY, NY

Number of sites tested: 126

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area	1.100 pCi/L	93%	7%	0%
Basement	1.850 pCi/L	79%	21%	1%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Freshwater Wetlands
Source: Department of Environmental Conservation
Telephone: 518-402-8961

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

New York Public Water Wells
Source: New York Department of Health
Telephone: 518-458-6731

OTHER STATE DATABASE INFORMATION

Oil and Gas Well Database
Department of Environmental Conservation
Telephone: 518-402-8072
These files contain records, in the database, of wells that have been drilled.

RADON

State Database: NY Radon
Source: Department of Health
Telephone: 518-402-7556
Radon Test Results

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

© 2010 Tele Atlas North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

APPENDIX C

GEOPHYSICAL SURVEY REPORT

Radar Solutions International, Inc.™ Geophysics for the 21st Century

July 1, 2013

Mr. George Kisluk
Mr. Tim Burmeier
Mr. Chuck Dusel
Mr. Michael Gutmann
URS Corporation, Inc.
77 Goodell Street
Buffalo, NY, 14203

Via Email:George_Kisluk@URSCorp.com; tim.burmeier@urs.com; chuck.dusel@urs.com; mike.gutmann@urs.com;

Subject: Geophysical Survey at the
Former Agway Property
Galway Street
Ballston Spa, New York

Dear Gentlemen:

In accordance with your authorization, Radar Solutions International (RSI) conducted ground penetrating radar (GPR), EM-61 and EM-31 geophysical surveys at the site of the former Agway Store in Ballston Spa, Saratoga County, New York on Monday, May 13, 2013. RSI Geophysicists, Melanie Denham and Amy Ziter conducted GPR and EM-61 surveys, while President and Sr. Geophysicist, Doria Kutrubes, conducted the EM-31 and GPS surveys.

The purpose of the geophysical investigation was to help characterize the nature of the fill and determine the location and size of large buried metal objects on the property. RSI's finalized survey results and interpretations are summarized below.

LOCATION AND SURVEY CONTROL

The site is the former location of an Agway store located in a predominantly residential neighborhood near the intersection of Galway and Science Streets in Ballston Spa, Saratoga County, New York. A fire in the 1980s destroyed the property, and the building was subsequently raised; it is believed that the demolition debris from the raised building was buried on site and the site was re-graded. Some of the materials reportedly buried may also have included 55 gallon drums in which pesticides were contained.

The area of investigation is approximately 210 feet by 160 feet with heavy brush being located in the westernmost and northern portions of the area of investigation. Prior to commencement of the geophysical surveys, RSI set up a geophysical grid using fiberglass taped measurements and referenced them to the existing wall and northern extend of Galway. Grid Line 0E corresponds to the east face of the wall that bounds the west portion of the property, while the northern edge of pavement of Galway Street corresponds to Line 0N.

Due to the brush in the western portion of the area of investigation and the wheeled delivery systems used to collect both EM-61 and GPR data, these data could not be collected west of Line 40E. However, as the EM-31 terrain conductivity meter is conveyed by physically carrying the unit and walking down survey lines, RSI personnel were able to survey to the wall (Line 0E) using this device.

GPR data were collected along orthogonal lines (i.e. along both the north-south and east-west directions) spaced every 2.5 feet apart. The EM-61 survey was conducted in the east-west direction, with data being collected 5 times a second along lines spaced 2.5 feet apart. The EM-31 survey was conducted along lines oriented north-south, along line spacings of 5 feet.

METHODOLOGY

Ground Penetrating Radar (GPR)

The ground penetrating radar (GPR) methodology is a very high frequency EM technique used to produce high-resolution images from the subsurface. GPR is used for both target detection (i.e. detecting abandoned USTs, utilities, drums, burials, archaeological artifacts, etc.) and for characterizing the subsurface stratigraphy, water-table, or geology in hydrogeologic, environmental, and geotechnical site characterizations. When used at the same site, but surveyed over time, GPR is also an effective methodology for monitoring contamination migration from the surface.

The GPR method operates by transmitting low-powered microwave energy into the ground using an ultra-wide band (UWB) transceiver antenna. EM energy from the antenna propagates at frequencies ranging from 10 MHz to 3 GHZ, although antenna frequencies for commercially available antennas typically range from 200 MHz to 1.5 Ghz. The peak power of this antenna is 20 to 100 times less the wattage of a cellular phone, and the energy is directed into the ground (and not at the operator) by means of shielding on the top side of the antenna. The GPR signal is then reflected back to the antenna by materials with contrasting electrical impedance, which is primarily determined by dielectric and conductivity properties of the material, its magnetic permeability, and its physical properties. The greater the contrast in the real dielectric permittivity (RDP) of two materials, the greater the reflection amplitude. Typically, high-amplitude reflections occur at lithologic or mineralogic changes, or where there is a sudden change in water content and/or density.

EM-61

Manufactured by Geonics, Inc., the EM-61 is a time-domain electromagnetic instrument developed to find unexploded ordinances (UXOs) and other buried metal targets in environments where there may be a lot of interference from surface metal and overhead power lines. According to tests conducted by the manufacturer and reports from other geophysical service providers, the EM-61 is has a sensitivity sufficient to detect metal objects as small as a few inches to depths of about 12 to 15 feet, depending upon the nature of the material in the fill above the metal.

The EM-61 operates on the principle that the time-decay rate (i.e. transient pulse) of a signal induced in metal decays proportionally to the mass of the metal object. The EM-61 works by generating an EM signal of known frequency and voltage at the transmitter, located in the backpack configuration. In the

presence of metal objects, an EM signal is induced when the transmitted signal is applied. When the transmitter is switched off, the induced field decays at a rate specific to the metal mass in which it is induced. The EM-61 top and bottom receiver coils measure the decay voltage at a specific time (i.e. "time gate") after the transmit pulse has been shut off. The amplitude of the induced voltage after the transmit pulse has been shut off is proportional to the size of the metal object: the larger the voltage (as measured in millivolts) at the time of the measurement, the larger the metal object. High voltages indicate metal objects. Negative voltages can also indicate both above-ground and buried metal. RSI's EM-61 Mrk2 measures the voltages at four different time-gates, which helps determine burial depth and size of the target. The larger targets have larger induced voltages at the later time-gates.

The EM-61 operates by pulling or pushing the instrumentation along survey lines. Data can be collected using an encoder or "DMI" - distance measurement instrument, which is built into the EM-61's left wheel, or on a time-basis. A sub-meter accuracy GPS system can also be interfaced with the EM-61, thus eliminating the need and expense to construct a survey grid. The station spacing varies, depending upon the application.

Several different data sets can be generated from the measurements made at top and bottom receiver coils and at the four different time-gates. Differential measurements, obtained from subtracting the bottom receiver coil measurements from the top, help determine whether the anomaly is caused by above or below ground sources. Differential data are used to can also minimize the response from at or very near surface (i.e. 1 cm deep or less) metal.

In the attached figures, positive, high-amplitude induced voltages on the contour map are shown in red, magenta, and pink, and indicate buried metal. Blue, cyan, to green filled contours indicate "background" induced voltages.

EM TERRAIN CONDUCTIVITY METHOD OF INVESTIGATION

The terrain conductivity survey was conducted using a Geonics Model EM31-DL Terrain Conductivity Meter. This induction-type instrument measures terrain conductivity without electrodes or direct soil contact. The terrain conductivity method operates on the principle that secondary electric and magnetic currents can be induced in metal objects and conductive bodies, such as iron or steel USTs, when an electric field is applied. This instrumentation measures the secondary magnetic field strength relative to the primary magnetic field and converts it directly into a conductivity value, measured in millimhos per meter (mmhos/m) and a resolution of 1 mmho/m.

The EM-31 also records the amount of phase-shift occurring between primary and secondary magnetic fields. The in-phase component measures that portion of the secondary magnetic field that is aligned with the primary field. Because metal objects are almost perfect conductors, there is sometimes no phase shift between primary and secondary magnetic fields. Hence, metal objects are detectable using the in-phase component (measured in parts per thousand or ppt). Additionally, in the presence of metal, conductivity values are often negative ("polarity reversals") and highly irregular.

The transmitting and receiving coils in the EM31-DL have a fixed separation of 3 meters, and when used in its normal operating mode (vertical dipole mode), the EM-31 achieves a depth of penetration of about 6 meters. The instrument response is more affected by near-surface than by deeper material, especially when used in the vertical dipole mode. Conductivity and in-phase data were digitally stored and

transferred to computer, where they were contoured. Dark blue and blue values represent negative conductivity values, which indicates buried metal. Likewise, magneta, red, and orange-yellow values represent buried metal, with the "hotter" colors being associated with higher values and more metal mass.

SURVEY LIMITATIONS

EM terrain conductivity, and to a lesser extent, EM-61 data are influenced by above-ground metal, such as cars, dumpsters, and buildings. We occassionally observe disruption to the measurements by electrical sources of noise, such as overhead power lines and radio broadcasting stations. These above-ground sources may create noise which may adversely effect and create unreliable EM-61 and conductivity data.

One important limitation of the EM-61, is potentially deeper utilities will be masked by shallower ones or by reinforced concrete. In areas where locating the old steam line is important, RSI may also opt to use an EM-31 terrain conductivity meter, the larger version of the EM-61, which may see up to 20 feet below grade depending upon whether shallow metal is present.

For EM-31 terrain conductivity surveys, buried metal may be concealed when buried within highly conductive soils, such as sludge and landfill materials. This effect may be mitigated when the in-phase component of the induced magnetic field is used in conjunction with conductivity for data interpretation.

For accurate conductivity readings, the terrain conductivity meter and the EM-61 must first be calibrated in an area free of buried metal and overhead power lines. Because the survey area had significant sources of cultural noise, the EM-31 instrument was not calibrated on site and hence, there may be up to a 5% error in absolute conductivity and in-phase values.

The success of the GPR methodology depends on the amount of EM signal attenuation experienced at any given site. GPR signal attenuation is caused by four loss mechanisms: conductive losses, molecular relaxation losses, "clay" (or interfacial polization) losses, and scattering losses (Kutrubes, 1986). By far, the greatest source of loss is caused by conduction losses, which are most severe at frequencies of 300 MHz and below. The greater the soil/medium conductivity the more attenuation and loss of resolution there will be. Road salt contributes to conduction signal loss, even in the warm months and after heavy rains, as road salt still resides within the asphalt pores and soils beneath it.

Molecular relaxation losses occur when polar molecules rotate and oscillate in response to the applied EM field. Applied energy is converted to kinetic energy used to energize and rotate the molecule. Kinetic energy is then converted to thermal energy, because of the frictional drag created by molecular rotation. Neither kinetic nor thermal energy is detectable to the GPR system, so as the applied EM energy is converted, it is lost. The higher the frequency of the applied EM field, the faster these polar molecules rotate in response to that applied field. Eventually, as the frequencies increase, the polar molecules cannot rotate fast enough in response to the applied field, and so at that frequency, called the relaxation frequency, molecules become stationary again, and polar molecules are no longer a source of EM signal loss. The best known polar molecule is water, H_2O, which undergoes molecular relaxation at 10 gigahertz ($10 \times 1E^9$ Hz). However, "water losses" start to become significant at frequencies of 600 MHz and higher.

The third type of loss is attributed to clay or other colloidal type particles. Mineralogically, clay is unique, as it consists of elongated ("colloidal") platey particles which have an uneven distribution of charge across them. Negative charge accumulates on the exterior of the clay, while positive charge tends to accumulate within the platey crystal lattice structure. As an EM field is applied, the charge on the clay particle migrates in response to the applied field, causing an electrical "double layer" where there are negative ions on one side of the colloid, and positive charge on the other. As charge migrate across the clay particle, kinetic energy is converted to thermal energy, and again, rendered lost to the GPR system. Experiments conducted by Olhoeft (1986a) have shown that even a small percentage of clay will attenuate the GPR signal, especially when wet, resulting in reduced signal penetration and resolution. While there was no clay observed at ground surface or within the boring logs, it is possible that a thin till deposit may be present at depth. Once encountered, there would be limited GPR signal penetration below the clay-rich layer.

The fourth type of loss, "scattering losses" is caused by irregularly-shaped targets causing an unpredictable redirection of GPR signal away from the receiving antenna. This type of loss becomes a factor when the wavelength of the applied EM field is 3 to 10 times smaller than the size of the target. Scattering losses are more where demolition debris has been used for fill.

GPR is an interpretive method, based on the subjective identification of reflection patterns that may not uniquely identify a subsurface target or stratigraphic horizon. For instance, the hyperbolic reflector corresponding to a utility is similar to that produced by a metal scrap or cobble. Utilities are inferred from where hyperbolic reflectors of similar depth and reflection characteristics align along adjacent lines. Reflections from USTs are asymmetric: reflectors appear flat and of finite dimensions when the antenna moves parallel to the UST's long axis, but appear as large hyperbolic reflectors when the antenna crosses obliquely or perpendicular to the short axis of the UST. In both instances, UST reflectors are of finite length.

Obtaining data along multiple survey traverses helps to determine the size, shape, and continuity of buried objects. For instance, buried utilities are interpreted from hyperbolic reflectors of similar depth and appearance, which are aligned along adjacent lines. GPR data interpretation is more subjective than it is for most other geophysical methods, and confirmation using boreholes or test pits is strongly recommended.

The antenna radiation pattern is cone-shaped, emanating GPR signals approximately 15 degrees from horizontal fore and aft, and about 45 degrees from horizontal along the sides of the antenna, depending upon the dielectric properties of the soil. Therefore, buried objects may be detected before the antenna is located directly over them. GPR anomalies often appear larger than actual target dimensions.

It should also be noted that GPR image resolution and penetration in conductive soils or beneath mesh and/or rebar reinforced concrete can be limited as metal is a perfect reflector. The greater the amount of metal reinforcing, the less penetration there will be. Also, as different targets (i.e. drums and utilities) can appear similarly on the radar record, RSI obtains data along multiple lines parallel to the inferred trend/orientation and shape of the target.

DATA PROCESSING

EM-61 and EM-31 data are downloaded to computer, corrected for survey geometry, and then contoured, where like values of induced voltages and conductivity were assigned the same color. Hot colors represent elevated values and correspond to buried metal (or nearby above-ground metal), whereas cool colors correspond to "background" or lower values.

GPR data are downloaded to computer, assembled into a 3D volume, and evaluated using GSSI RADAN© interpretive software package. Because of the problem of non-uniqueness of reflection patterns and the subtleties of mapping reflection amplitudes by eye, RSI also uses GPR-Slice© to create computer-generated depth slice images. As with EM results, hot colors represent areas of high reflection amplitude and likely correspond to buried metal, debris within the fill, and or a lithologic change, such as at the fill-native soil interface.

RESULTS

GPR signal penetrated a maximum of up to 10 feet at this site, although, there were areas where penetration depths of 3 to 4 feet were observed. Typically, GPR signal penetration was between 5 and 8 feet. Figure 1 shows a contour map of the EM-61 data, while Figure 2 shows contoured EM-31 data. Figure 3 presents results from the visual interpretation of GPR results and Figure 4 is a composite of the results from all three methodologies. Figure 5 is a contour map showing the approximate fill thickness obtained from the visual inspection of the GPR data, while Figures 6A and 6B show representative depth-slice images from GPR-Slice©All figures are presented at a scale of one inch equals twenty feet (i.e. 1"=20'), except for Figures 6A and 6B which are presented at a scale of one inch equals fifty feet (1"=50'). Key results are summarized below.

- The EM-61 data (Figure 1) shows two large, extensive areas, and several smaller areas, in which highly elevated induced voltages were observed. One large area is between 110E and 190E, extending from near 0N to 80N. The red and magenta filled contours indicate the highest concentration of buried metal is near 160E, 20N, 142E, 30N, and 117E, 30N.

- The second, large anomalous area is located near 55 to 65E and from about 25N to 33N. It should be noted that there was a storage compartment located near this location, so it is possible we are observing the influence of a large above-ground metal target in the data. Smaller anomalous areas where high-amplitude induced voltages are observed near 53E, 67N, 155E, 95N, 83E, 36N, and 60E, 132N (Figure 1).

- Because the EM-31 terrain conductivity meter has a greater range than the EM-61, data will be influenced by below and above ground metal targets as far as 20 to 25 feet away. We observe on Figure 2, the contoured EM-31 terrain conductivity results, that high-amplitude and negative conductivity values are generally observed south of 35N (Figure 2). Likewise, there appears to be an anomalous zone that parallels the northern boundary of the site and parallel to metal railroad tracks observed in the north central portion of the site. High conductivity values observed near 60N to 70N and east of 120E may also be elevated because of conductive soil and/or groundwater

conditions (Figure 2), although buried metal is indicated in the EM-61 data immediately to the south (Figure 1). The approximate location of the water utility is shown as a blue dotted line on the base map trending parallel to 18N. EM-31 data would indicate that its actual location may be 2 to 4 feet south of there (Figure 2). A dark blue, negative contour is coincident with the interpreted location of the water line.

- Not surprisingly, GPR results indicate that there are a multitude of buried targets throughout the central and eastern portions of the site (Figure 3). Large hyperbolic GPR reflectors that could feasibly represent buried drums are observed from 125E to 140E, and from 5N to 12N. These multiple targets were observed any where from 1 to 3.5 feet below grade, and correspond with a large EM-61 anomaly, confirming their metal composition. These targets are also coincident with an area that clearly appears to have been excavated.

- Several other large GPR targets are observed throughout the site (Figure 3). Buried metal is present where these targets are coincident with EM-61 anomalies (Figure 4).

- Numerous irregularly-shaped GPR targets are also observed throughout the majority of the site, especially in the central portions of the site. We attribute these reflectors to demolition debris. Where we observe higher EM-61 induced voltages, demolition material is presumed to have a higher metal content.

- The approximate boundary between the fill and native soil has been interpreted by visually inspecting and noting the locations of high-amplitude, continuous reflectors. We believe this high-amplitude reflection occurs due to the fill being less dense and having a higher water content due to its increase porosity than the native material. The nature of the reflections would suggest a relatively thick bouldery layer at the base. Figure 5 is a contour map showing the interpreted thickness of the fill. GPR data shows that the fill is thickest in the west central portion of the site, from about 20E to 75E, and from about 35N to 85N, where fill could be in excess of 7 feet in thickness. The fill boundary also appears triangular-shaped, mimicking the shape of the northern boundary.

- Figures 6A and 6B show depth slice images generated using GPR-Slice©. The edge of fill is observed on the shallowest depth slices, on slices 0 to 1.1 feet, which based on the reflection pattern, would place the edge of fill trending from 60E, 140N to 90E, 110N, to 155E, 70N, etc. (Figure 6A). We observe a broad, reflective zone, with the same trend, but located progressively southward on the increasingly deeper depth slices. Representative depth slices on Figures 6A and 6B, and the attached animation, show how the contact between the interpreted fill and native soil boundary deepens to the southwest but keeps the same trend parallel to the northern boundary of the site.

SUMMARY AND RECOMMENDATIONS

Numerous metallic and non metallic targets have been identified on the accompanying figures. Buried metal appears to be concentrated in the northeast, central, and southeast portions of the site, with smaller zones of buried metal scattered throughout the site. Interestingly, the thickest amount of fill, in which

inclusions of demolition debris is interpreted, appears to be concentrated in the west central and central portions of the site, as indicated by the fill thickness contour map and depth slices/animations.

EM-31 results confirm EM-61 results ,indicating buried metal in the same locations. East of 120E and north of 60N, elevated conductivity values could also be attributed to conductive soil conditions. The presence of vehicles at the site, overhead power lines, and nearby buildings made it difficult to sweep the area for a conductivity plume.

***

Please call should you have any inquiries regarding this or future assignments.

Sincerely,
RADAR SOLUTIONS INTERNATIONAL

Doria L. Kutrubes

Doria Kutrubes, M.Sc., P.G.
President and Senior Geophysicist

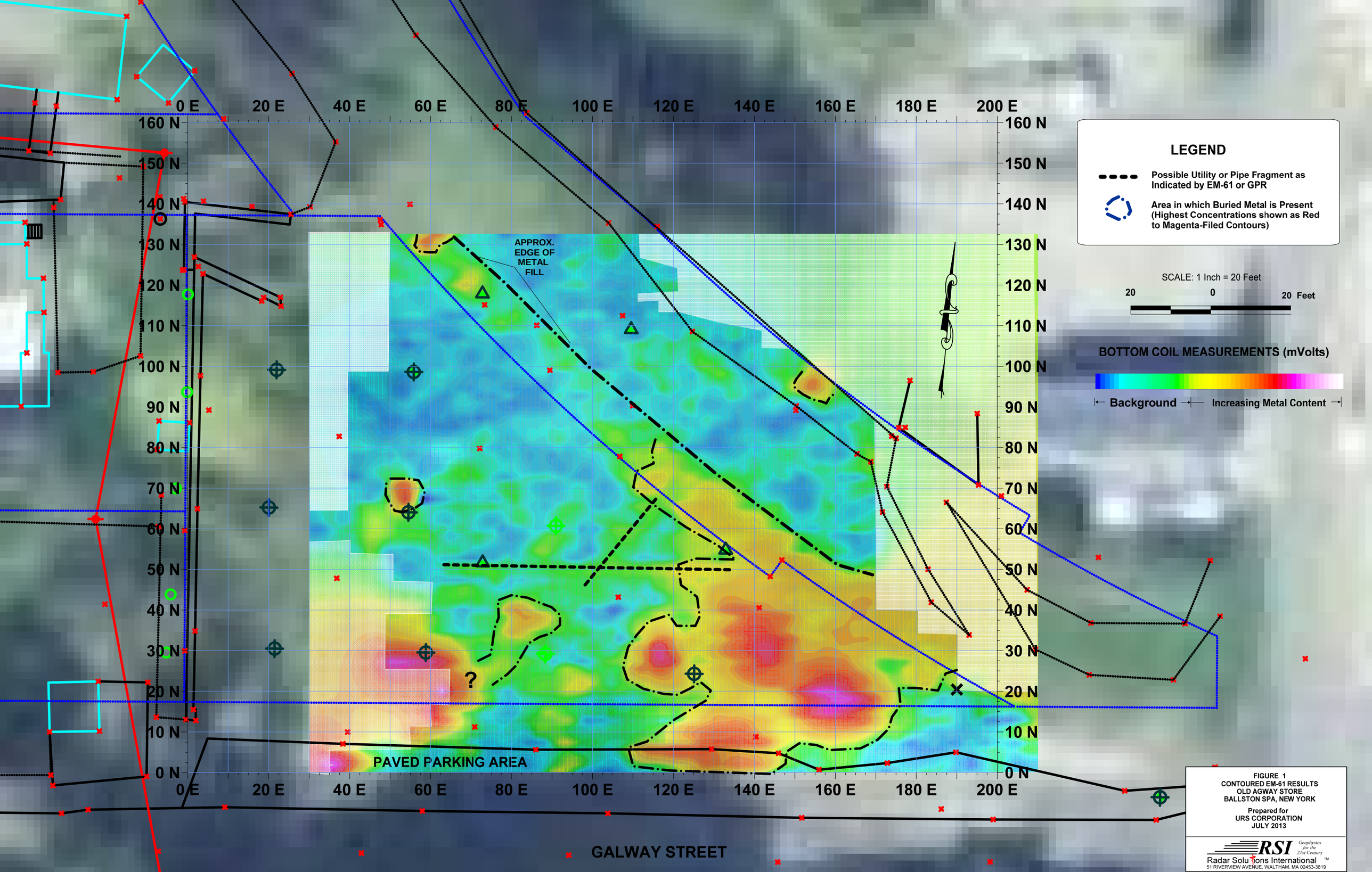


FIGURE 1
CONTOURED EM-61 RESULTS
OLD AGWAY STORE
BALLSTON SPA, NEW YORK

Prepared for
URS CORPORATION
JULY 2013

RSI Geophysics for the 21st Century
Radar Solutions International ™
51 RIVERVIEW AVENUE, WALTHAM, MA 02453-3819

0 E 20 E 40 E 60 E 80 E 100 E 120 E 140 E 160 E 180 E 200 E

160 N 150 N 140 N 130 N 120 N 110 N 100 N 90 N 80 N 70 N 60 N 50 N 40 N 30 N 20 N 10 N 0 N

APPROX. EDGE OF METAL FILL

PAVED PARKING AREA

GALWAY STREET

LEGEND

Possible Utility or Pipe Fragment as Indicated by EM-31 or GPR

Area in which Buried Metal is Present (Highest Concentrations shown as Red to Magenta-Filed Contours)

SCALE: 1 Inch = 20 Feet

20 0 20 Feet

TERRAIN CONDUCTIVITY (mmhos/meter)

-18 0 20 25 30 40 50 60 120

Over Buried Metal ← Background → Increasing Conductivity/ Metal Content

FIGURE 2
CONTOURED EM-31
TERRAIN CONDUCTIVITY RESULTS
OLD AGWAY STORE
BALLSTON SPA, NY
Prepared for
URS CORPORATION
JULY 2013

RSI Geophysics for the 21st Century
Radar Solutions International ™
51 RIVERVIEW AVENUE, WALTHAM, MA 02453-3819

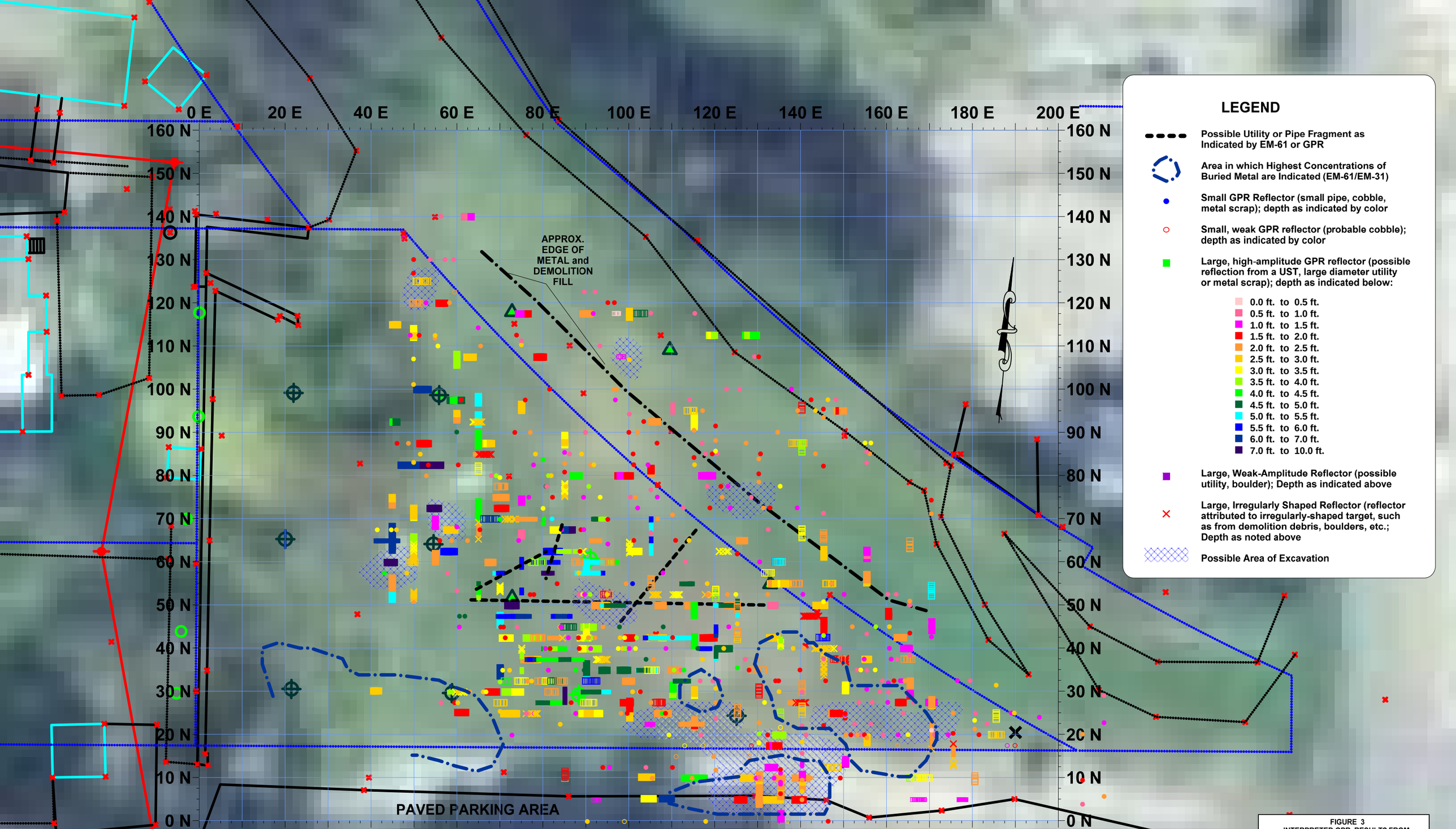


FIGURE 3
INTERPRETED GPR RESULTS FROM
THE VISUAL INSPECTION OF GPR DATA
OLD AGWAY STORE
BALLSTON SPA, NEW YORK
Prepared for
URS CORPORATION
JULY 2013

RSI Geophysics for the 21st Century
Radar Solutions International ™
51 RIVERVIEW AVENUE, WALTHAM, MA 02453-3819

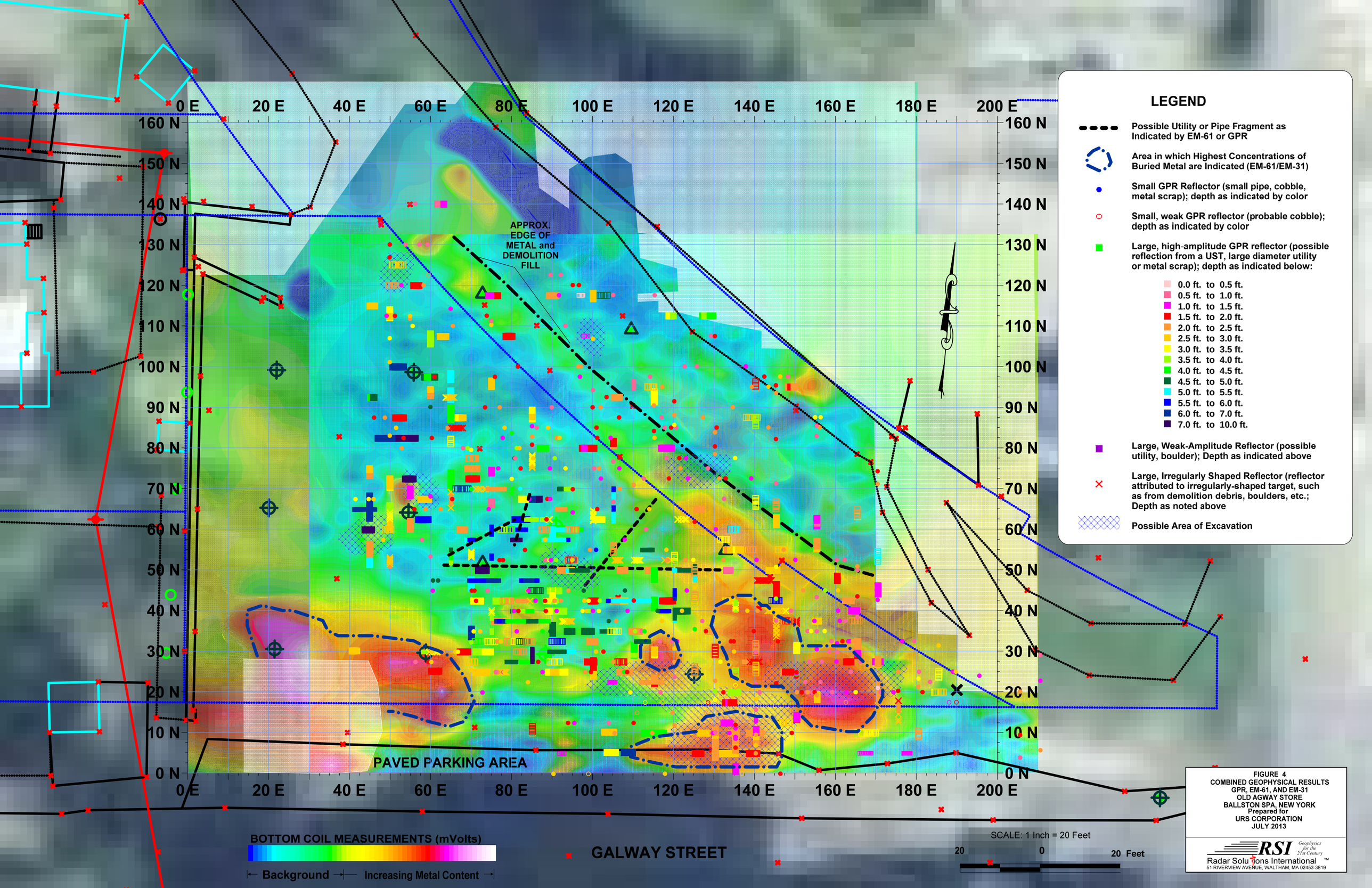


FIGURE 4
COMBINED GEOPHYSICAL RESULTS
GPR, EM-61, AND EM-31
OLD AGWAY STORE
BALLSTON SPA, NEW YORK
Prepared for
URS CORPORATION
JULY 2013

RSI Geophysics for the 21st Century
Radar Solutions International ™
51 RIVERVIEW AVENUE, WALTHAM, MA 02453-3819

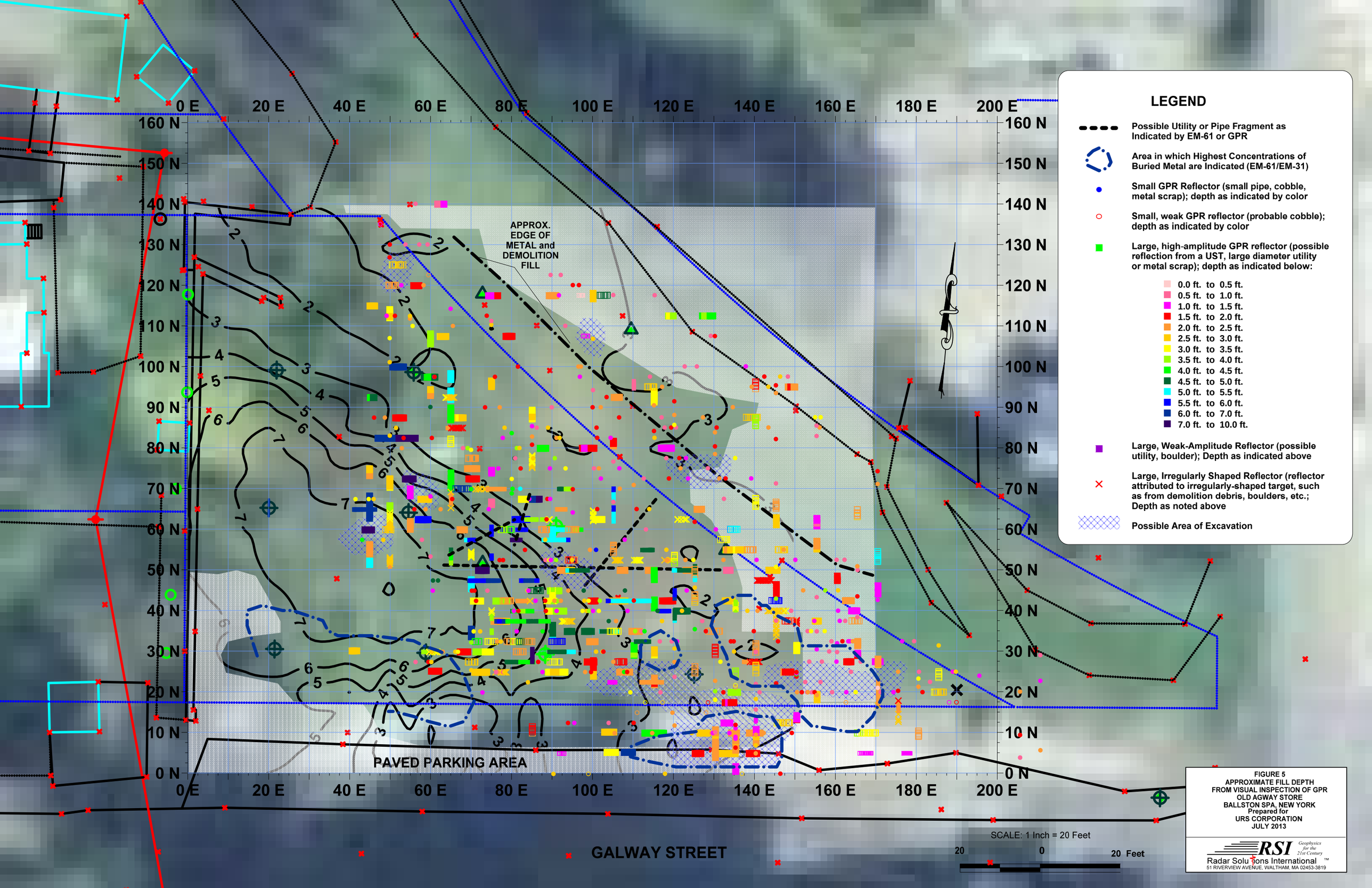
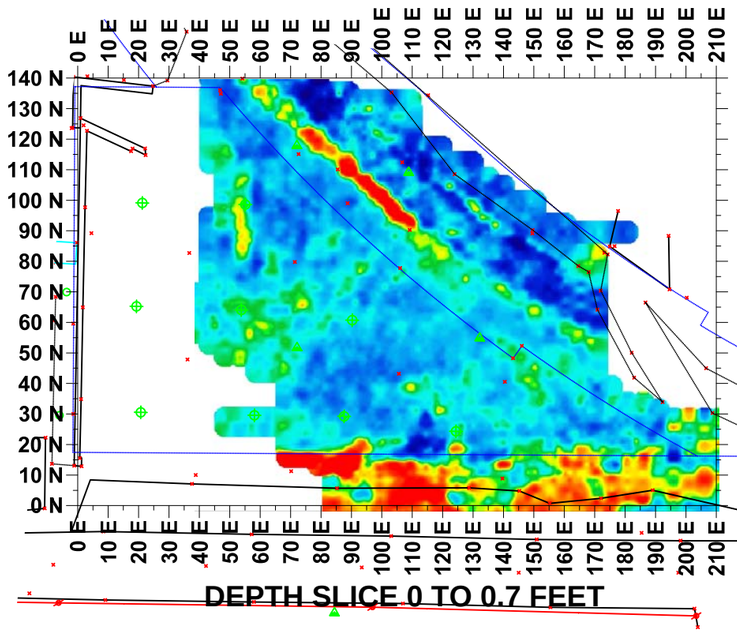
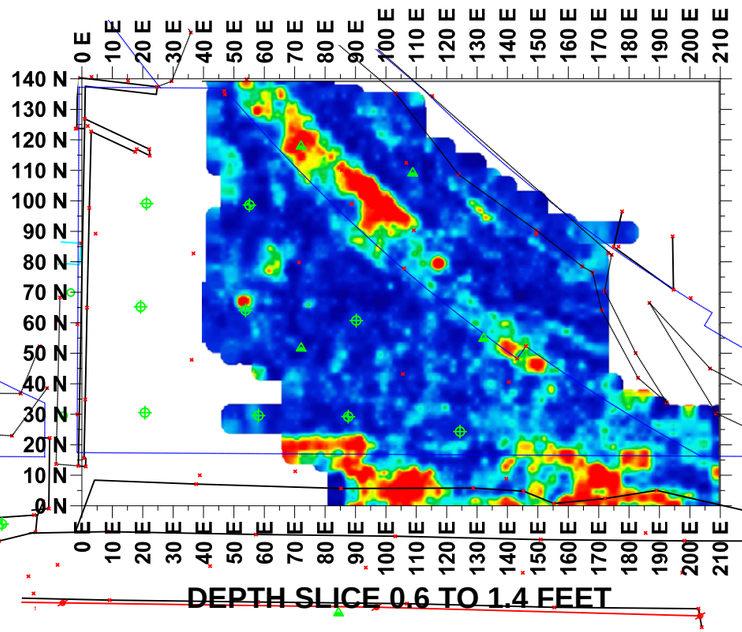


FIGURE 5
APPROXIMATE FILL DEPTH
FROM VISUAL INSPECTION OF GPR
OLD AGWAY STORE
BALLSTON SPA, NEW YORK
Prepared for
URS CORPORATION
JULY 2013

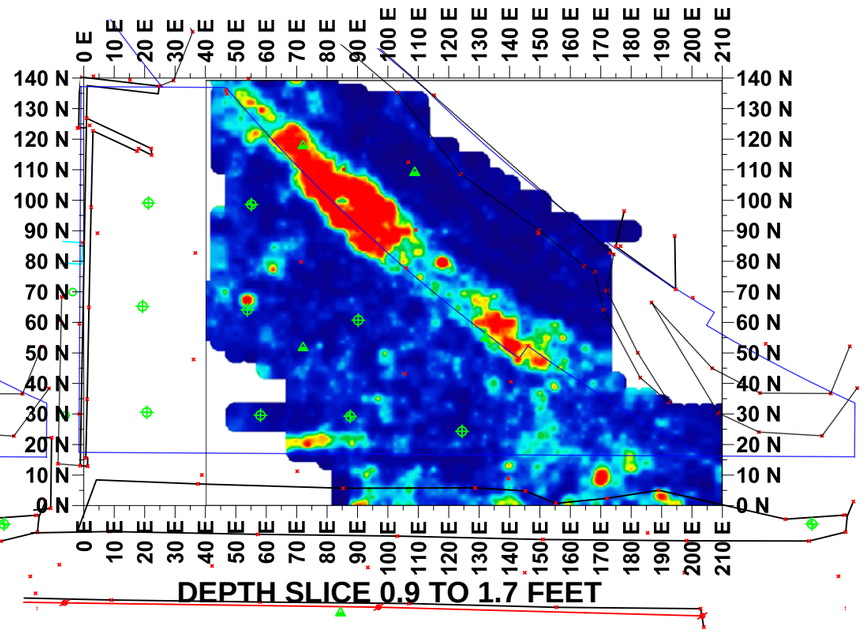
RSI Geophysics for the 21st Century
Radar Solutions International ™
51 RIVERVIEW AVENUE, WALTHAM, MA 02453-3819



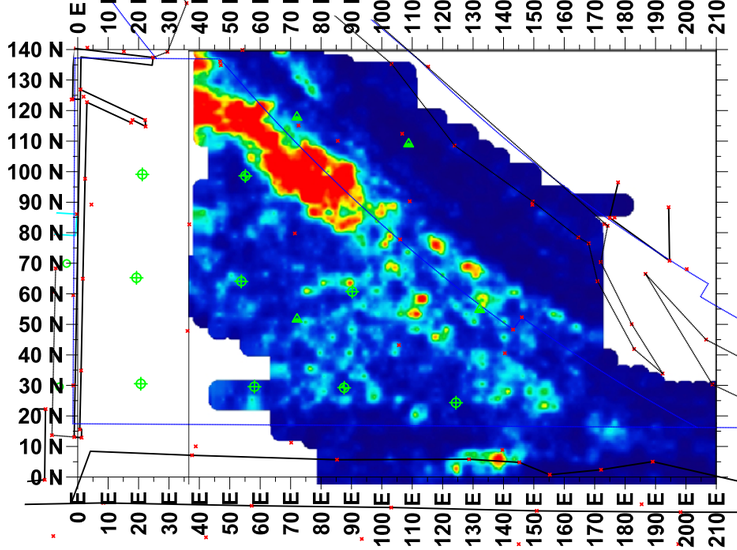
DEPTH SLICE 0 TO 0.7 FEET



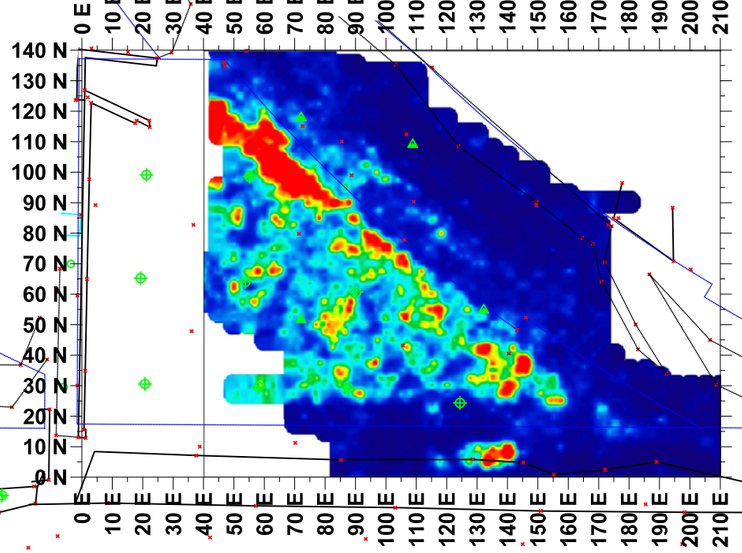
DEPTH SLICE 0.6 TO 1.4 FEET



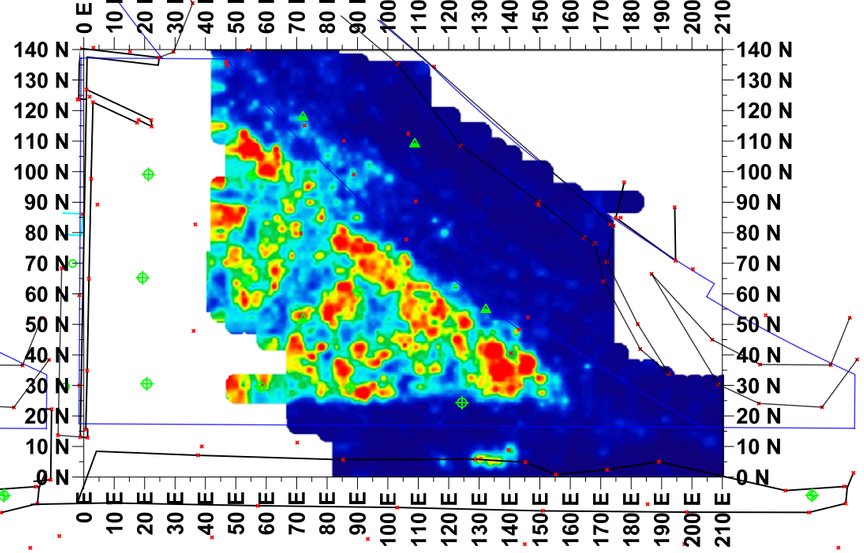
DEPTH SLICE 0.9 TO 1.7 FEET



DEPTH SLICE 1.6 TO 2.3 FEET

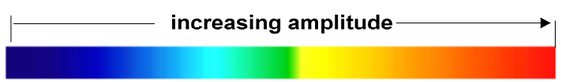


DEPTH SLICE 2.2 TO 2.9 FEET



DEPTH SLICE 2.8 TO 3.5 FEET

Reflection Amplitude Scale



low (weak) amplitude

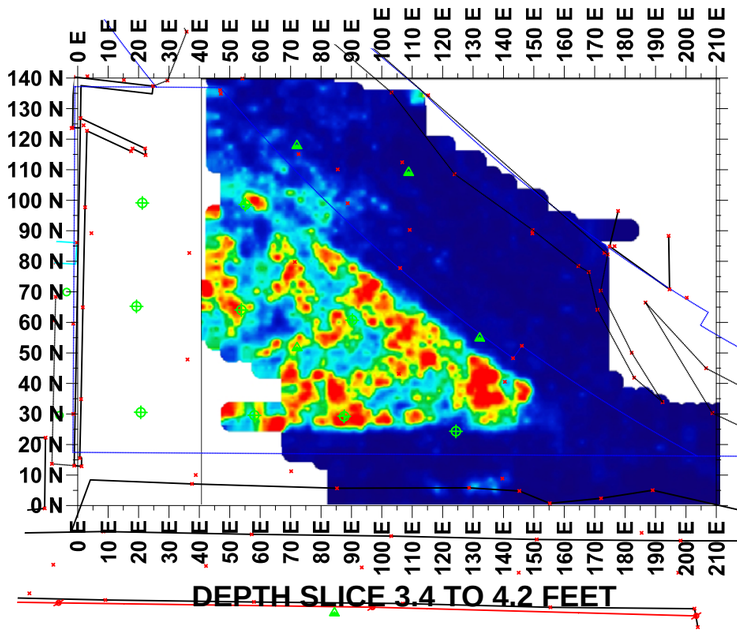
high (strong) amplitude

SCALE: 1 Inch = 50 Feet

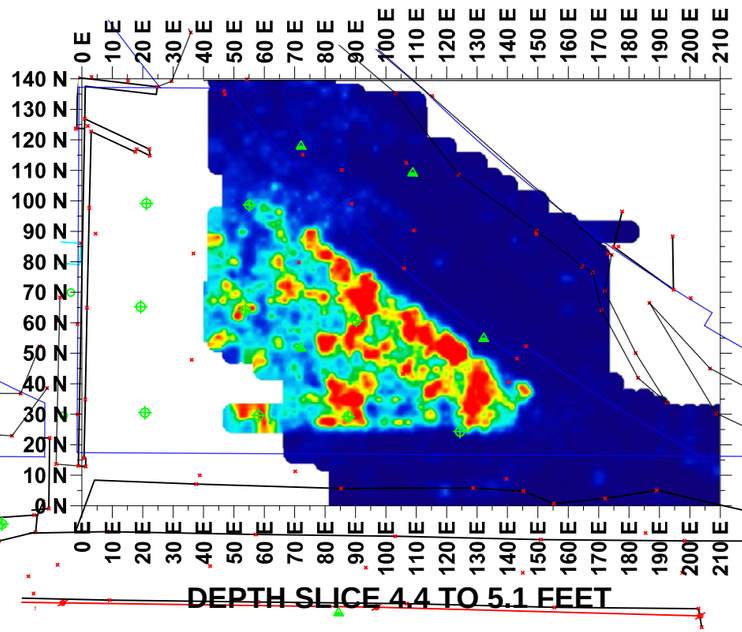
50 0 50 Feet

FIGURE 6A
REPRESENTATIVE DEPTH SLICE IMAGES
0 TO 3.5 FEET
OLD AGWAY STORE
BALLSTON SPA, NEW YORK
Prepared for
URS CORPORATION
JULY 2013

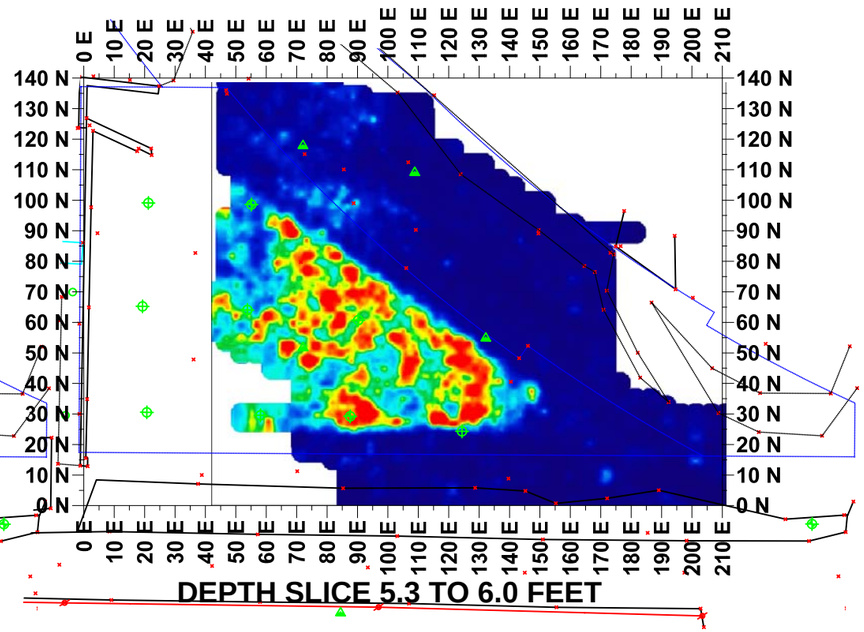
RSI Geophysics for the 21st Century
Radar Solutions International ™
51 RIVERVIEW AVENUE, WALTHAM, MA 02453-3819



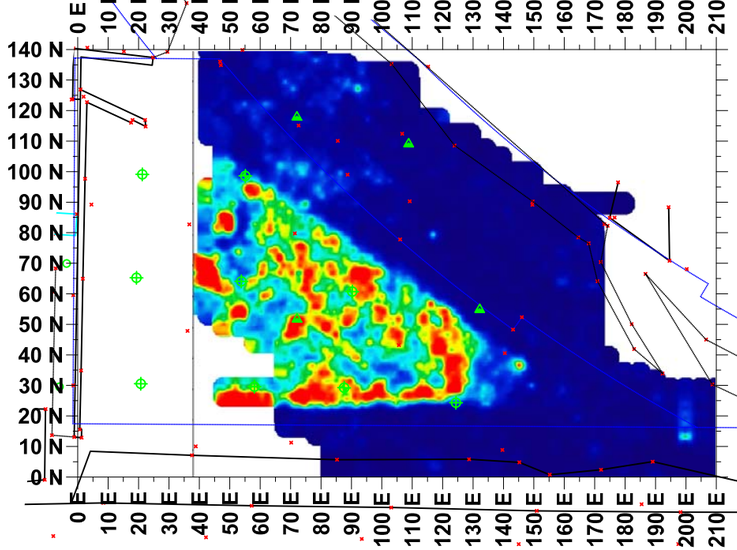
DEPTH SLICE 3.4 TO 4.2 FEET



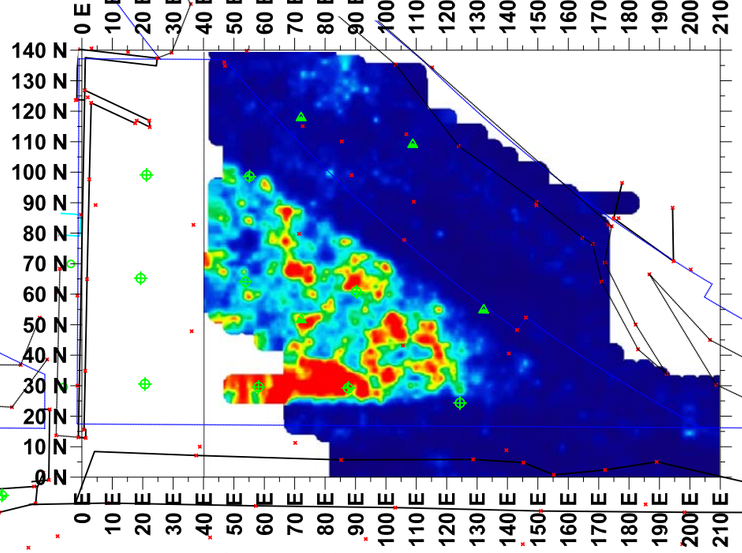
DEPTH SLICE 4.4 TO 5.1 FEET



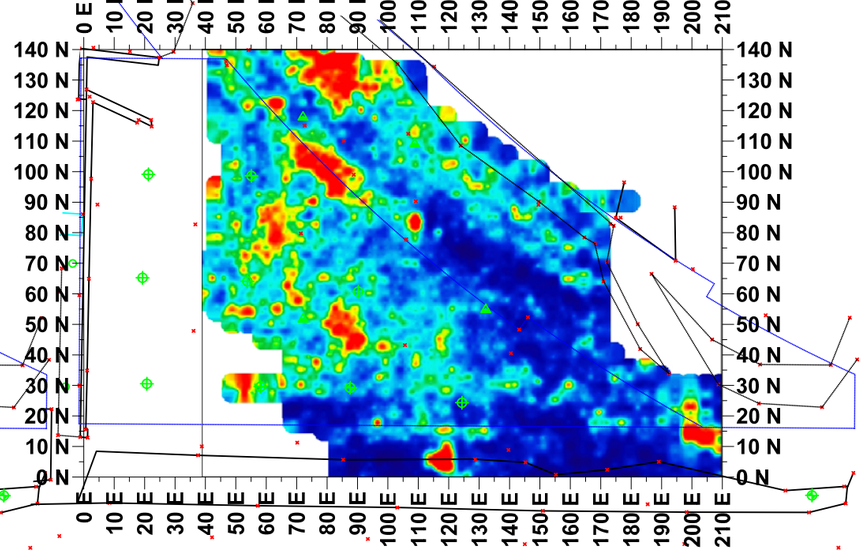
DEPTH SLICE 5.3 TO 6.0 FEET



DEPTH SLICE 5.9 TO 6.7 FEET

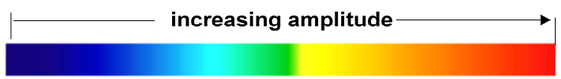


DEPTH SLICE 7.2 TO 7.9 FEET



DEPTH SLICE 10.6 TO 11.3 FEET

Reflection Amplitude Scale



low (weak) amplitude

high (strong) amplitude

SCALE: 1 Inch = 50 Feet

50 0 50 Feet

FIGURE 6B
REPRESENTATIVE DEPTH SLICE IMAGES
3.4 TO 11.3 FEET
OLD AGWAY STORE
BALLSTON SPA, NEW YORK
Prepared for
URS CORPORATION
JULY 2013

RSI Geophysics for the 21st Century
Radar Solutions International ™
51 RIVERVIEW AVENUE, WALTHAM, MA 02453-3819

APPENDIX D
URS FIELD NOTES

APPENDIX D-1
URS FIELD NOTES
RI PHASE I

Location _____ Date _____

Project / Client _____

Location OLD AGWAY SITE Date 5/13/13

Project / Client Ballston Sp, NY / NYSDEC

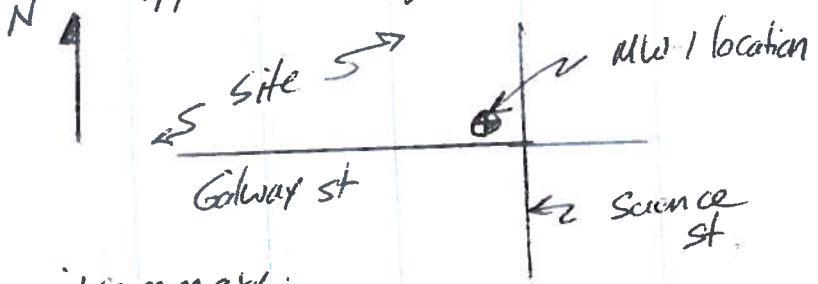
Sunday - 5/12/13 late afternoon
travel to hotel -

Monday 5/13/13 45°F - windy
7:50 ish arrive onsite (Misty tile / new occasional)
Tim B - site geologist -
Rachel C - Environmental / sampler.
Chuck D - project Manager
7:50 JW from Alvardi storage container called to verify delivery 800 248-3734
8:30 ish container delivered and spotted on site - included ramp for moving drums -
8:30 ish Angelo's Hauling & clearing arrived on site w/ pick up truck, chain saw and chipper - Tyrone McCluskey owner reviewed site + scope w/ Tyrone
8:50 Tim B H&S officer conducted Tailgate Safety mtg: main topics chain saw / chipper dangers tools be cautious, Route to hospital and contamination is subsurface

Location Ballston Spa Date 5/13/12

Project / Client Old Agway site - NYSDEC

8:15 - 8:30 ish Jim Vicent and David Gardner - DEC (SJB) arrived on site. reviewed proposed location for MW-1 upgradient / background well.



in summary: Tim B, Chuck D, David G. Jim V. reviewed the remaining 3 proposed locations and selected/painted proposed locations -

9:30 ish - Richard (Tyrones Brother) and eventually other laborers arrived onsite to assist w/ clearing/chipping.

- 8:30 ish Amy Mulvey - Radar Solution International (RSI) - arrived 781-891-4492 on site and began to layout 10'x10' grid over the entire site ± 3Ac - except where clearing was taking place on the

Location Ballston Spa, NY Date 5/13/12

Project / Client Old Agway site - NYSDEC

very Western portion of the site in summary: Doria Kutulgus. Pres. showed up and completed EM61 - survey - Amy + Mel completed EM 31 and GPR survey and left site approx. 3:30 pm — Doria left site ≈ 5:10 pm -

≈ 1:30 pm Tyrone completed clearing + came back to site and as a favor removed off site 4-5 wood pallets that had been discarded on the site - they also chipped a pallet of bark-free.

518-522-8117

Note: in morning met w/ Spencer Tacy (DG + CD) - DG explained our scope. Spencer owns small white building located adjacent to north-east site boundary - he gave us a copy of a land survey that came with his building. He has contract to buy the old agway site. as reported by Spencer contract will not be executed until site is tested and is safe to purchase - he and wife are opening a small

16

Location Ballston SPA Date 5/13/13

Project / Client Old Agway Site - DEC -

cafe and catering kitchen in building and if they purchase "site" MAY expand their building in the future.

- 1:00pm ish after rig-decon from SJB's Friday work, build decon pad, make rig, support truck switch out pressure washer + generator Tom - Driller Jason - Driller's helper 1 hr. get 500 gal water from shop

began drilling @ MW-1 location - Rachel + Tim - logged hole and collected samples 1 every 2'. this is the only off-site well we will sample like this VOCs, TAL, Metal, Pest, Herb, PCB. Rachel set up air monitoring - (Dust Trac) to monitor any particulates generated during cleaning or drilling.

approved scope change CO/DG.

4:15 MW-1 was completed

TD - 15' screen 5-15'

SJB off site by 4:30 ish -

Rachel + TM + Dana off site 5:00pm

CD went to hardware store purchased lock to secure storage trailer.

Location Ballston Spa, NY Date 5/14/13 Tues 17

Project / Client Old Agway site, NYSDEC

~6:30-8:00am work in hotel Rm.

8:10 leave for site

8:30 ish arrive on site

8:40 ish Tim B. conducted H&S tailgate mtg - keep work area clear -

SJB - Tom + Jason

DEC - DG - URS - TB/CD/RC

9:00am began drilling @ boring/MW-2 location

note on 5/13/13 CD/TB/DG established a 35' x 35' grid over entire site (see sketch next pg) This will gives us our boring locations @ an fairly equal distance/spacing -

1S - 4.25 HSA 10' screen, 5' riser

8 spoons MW-2 set @ 11:30 am -

MW-2 installed after noon

Sand upto 3', Chips up to 1'

Total depth of drilling 20'

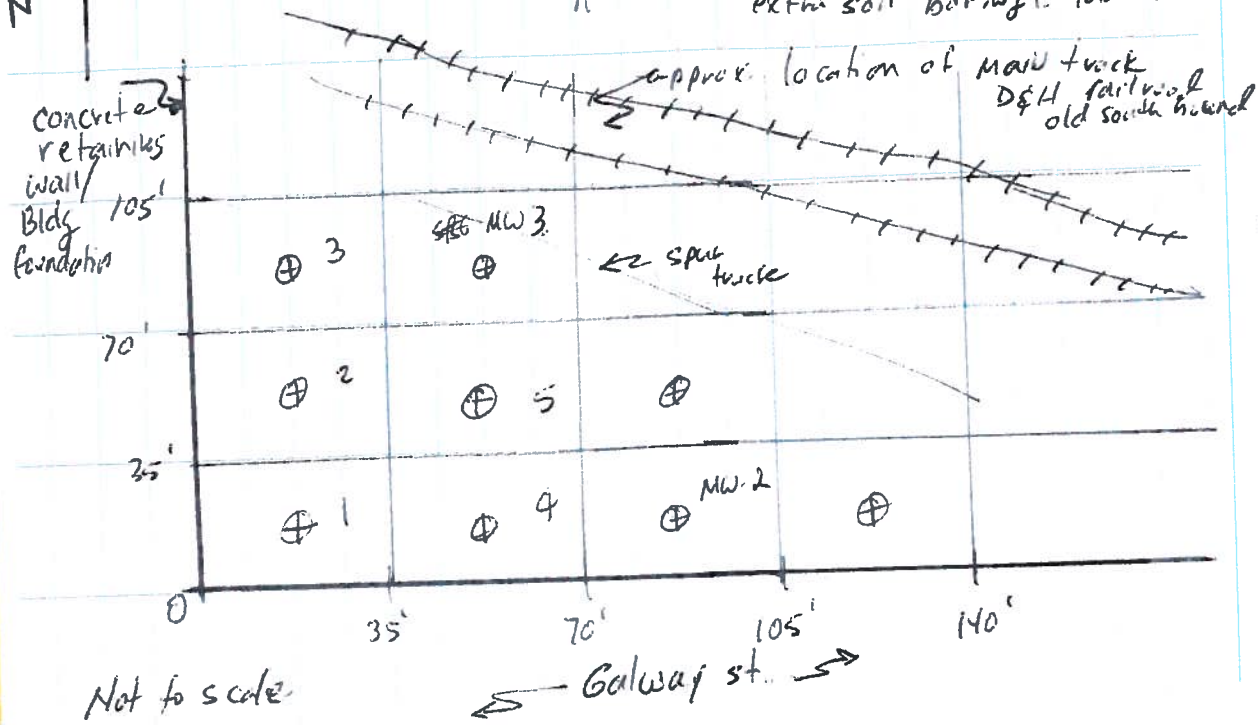
Well set, 5-15' (screen 10')

see TB/RC Log book for well notes detailed

Location Ballston Spa
Project / Client Old Agway site. NYSDEC
Date 5/14/13

⊕ - proposed soil boring location -

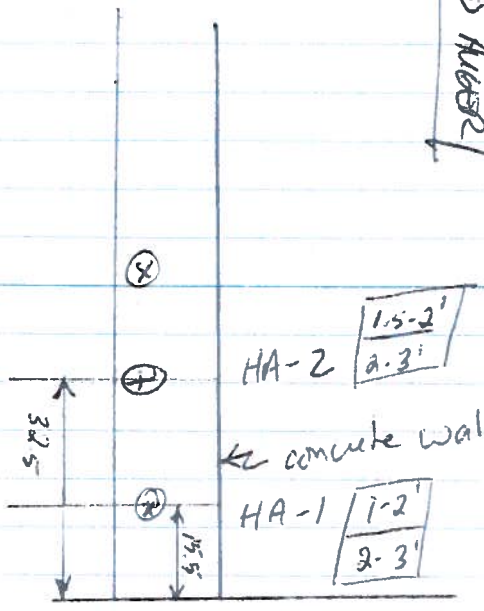
SOW - 8 soil borings. 2 covered tidalwells per DG 5/1/13 will install one extra soil borings total 9



Location Ballston Spa
Project / Client old Agway store / NYSDEC
Date 5/14/13

approx 2-4 inches CDI DG collected fill + tan hand auger points
Total 5 pts.
approx spacing between pts - 25'
goal-target depth 4'
2 samples per auger point -

HAND AUGER



HA-1 cinder, brick, ash @ 2-3' bgs
hit refusal @ brick. soil dry @ 3' bgs
HA-2 cinder, brick, ash refusal @ 3'
assumed cinder - soil wet - black, gooey

Location Ballistics Site Date 5/14/13

Project / Client Old Agency Site / N410EC

~ 3:45 DG left site
~ 4:00 RC left site to take samples back to office to Fed X pick up
5:00 finish after site

Location Date

Project / Client

Location OLD DOMINION BALLSTON SPA NY Date MON May 13, 2013

Project / Client NYSDEC

51

ONSITE @ 745 OVERCAST 42°
WAITING ON DRILLERS, GEOPHYSICS, CHUCK DIESEL DEC 000, STORAGE CONTAINER DELIVERY, FEDEX BOTTLE DELIVERY, PEOPLE

AT 1100 CHIPPING/CLEARING ON GOING. GEOPHYSICS RUNNING

DRILLERS GOING FOR WATER FOR DECON

@ 145 SETTING UP ON MW-1
UPGRADIENT OF SITE @ 4 GALWAY & BALL SCHENCK

CME 550
TOM FARRELL



Location OLD RAILROAD Date 5-13-13

Project / Client

MW-1

HAND CLEARING 0-1'
BLK SILT + F-C SAND +
WOOD FRAGS MOIST MGP odor
1-2 YEL BRN F-C SAND +
CLAY NO ODOR PID=0

HAND CLEAR 2-4 YEL BRN
F-C SAND NO WOOD
3½-4 GRY GRN CLAYEY SILT
SOME F SD PID=0

S-3 4-6 3/5/7/9 14" Rec
GRY GREEN CLAY SILT W/
VFN SAND VY MOIST IN PART
NATIVE MATL

S-4 6-8 7/7/7/8 2' Rec
YEL BRN CLAY SILT TR VF
SAND WET RUSTY STREAKS.

S-5 8-10 3/5/5/8
A/10 PID=0

Location OLD RAILROAD Date 5-13-13

Project / Client

MW-1

S-6 10-12 4/6/6/7 1.5' Rec
GRN GRY CLAY SILT WET

S-7 12-14 9/10/10/11 / 2' Rec
AD

S-8 14-16 8/11/13/15 2'
YEL BRN SILTY CLAY WET
14-15
YEL BRN CLAYEY SILT
15-15.7
15.7-16 MED GRN CLAYEY
SILT

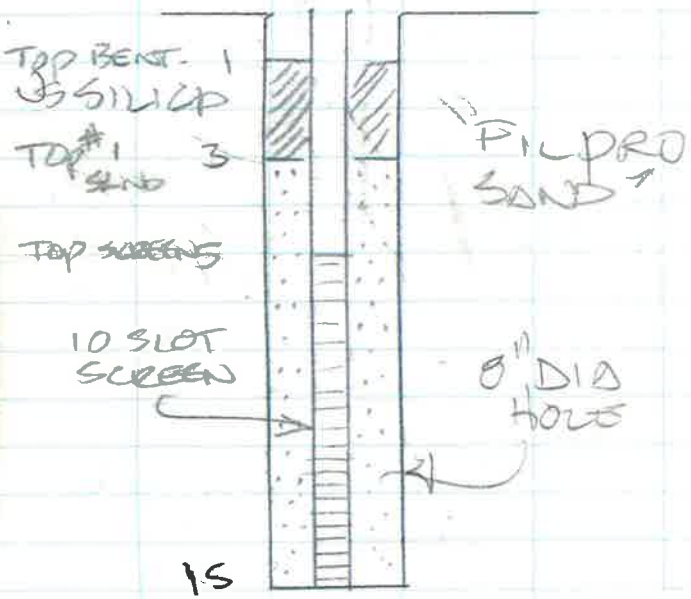
SETTING WELL @ 3'5
15-5' W/ 10 SLOT SCREEN

6 SPOONS
15' AUGERING
10' SCREEN
5' RISER
½ HR DECON
½ HR WATER TIME
HAND AUGER 4H

Location OLD BOUNDARY Date 5-13-13

Project / Client (MW-1 & MW-2 & MW-3

WELL DISCRIPTION



WELL INSTALLED W/O ROAD BOX @ 4:15

LUNCH @ 5:00

Location AGWA Date 5-14-13

Project / Client 42° SUNNY

DECON @ 8:00 - 8:30
MOVE RIG TO PT 6 (MW-2) TO DRILL TO 20' & INSTALL WELL

HAND AUGER 0-4)
YEL BRN FINE SD TR GRVL PID = 0.0
SLI MOIST
HAND AUGER 2-4 @ 9:05

BOULDER @ 2.7' MOVE FORWARD 1'

2-4 = YEL BRN F SD, TR MED, TR F GRVL MOIST PID = 0'

S-1 4-6 2/3/8/6 1.4' REC
AB WET @ 5' PID = 0
PROB FILL SAND

S-2 6-8 6/24/50/3 1.4' REC
MED BRN F SAND TR GRVL WET @ 6-7.5'

Location _____ Date 5-14-13

Project / Client _____

MW-2

@ 7.5 GRY/BRN SAND, SOME BLACK FINE DISPERSED SOME ROCK FRAGS, TR WOOD 13.6 PID=1.4 PPM AUGERING THRU RUBBLE @ 8'

8-10 50/1/1/1/1 0 1/2"

NO RECOVERY

TOUGH AUGERING 8-10

HOLE DEVIATING 10°

TOOK SAMPLE BLK SOFT CLAYEY MATL OFF PLUG @ 10" PID=0.0

10-12 50/1 0.1/2" REC

1.4 PPM INSIDE SPOON BLK F SAND & TR GRVL TOP PORTION OF SPOON

12-14 4/3/2/2 1.2" REC

EASIER AUGERING @ 12½

GRY BRN CLAYEY SILT WET TR GRVL PID=0.0

HEADSPACE

Location _____ Date 5-14-13

Project / Client _____

MW-2

14-16 3/4/4/8 1.4" REC

GRY GRN CLAYEY SILT W/ F-C SD & FOR. VEG @ 14-14.5, GRY GRN CLAY SILT @ 14.5-16'

16-18 6/8/8/10 1.1" REC

MED GRY CLAYEY SILT TR F GRVL WET PID=0.0

18-20 7/15/24/50/2 2" REC

DK GRAY CLAYEY SILT TR F-C GRVL WET

@ 11:30 SET WELL @ 15-5'

DECON AUGERS

- AT 1245 MOVE TO LOCATION MW-3

Location _____ Date 5-14-13

Project / Client MW-3

S-1 [0-2] 2/4/2/2/2 1.5' REC
LT BRN F SAND MOIST
TR COARSE F GRVL

S-2 [2-4] 2/3/4/3 1.4' REC
2-2.5 D/P
2.5-4 BLK CINDERS COAL
BSH

S-3 [4-6] 1/2/1/1 1.0.5' REC
BLK CINDERS D/P MOIST
COVINGS.

S-4 [6-8] 2/1/2/1 0.5' REC
D/P
RINSE BLANK COLLECTION
ON SPOON 2:20

S-5 [8-10] 3/1/1/1 1.2' REC
BLK CLAYEY SILT TR
F SAND, TR GRVL

Location _____ Date 5-14-13

Project / Client MW-3

S-6 [10-12] 2/1/1/4/1 1' REC
LT GRY CLAYEY SILT
TR GRVL PID=0

S-7 [12-14] 4/2/3/3/ 1.2' REC
LT GRY GRN SLTY CLAY
TR F SD PID=0

S-8 [14-16] 8/5/9/9 1.6' REC
LT GRY GRN CLAYEY SILT
WET

S-9 [16-18] 9/11/9/7 1.0' REC
LT GRY CLAYEY SILT

S-10 [18-20] 6/6/8/8/ 1.5' REC
SOME
D/S W/ F GRVL

FINISH DRLG @ 3:20
SHIPPED OFF 4 COOLERS @ 4°

Location _____ Date 5-14-13

Project / Client DAILY TOOLS

MW-2 15' 4¼ AUGERS
8 SPOONS
10' SCREEN
5' RISER
½ HR DECON
½ HR ABNDDLG
½ HR PUMP OUT WATER

MW-3 15' AUGER
10 SPOONS
10' SCREEN
5' RISER
½ DECON
345-415

LV SITE @ 430

Location _____ Date WED 5-15-13

Project / Client _____

42° @ 800

ONSITE @ 800

START ON SB-1 @ 845

S-1 0-2 2/2/3/4 1.1' REC
YEL BRN F SD MOIST
PID=0.0

S-2 2-4 6/4/3/3 1.4' REC
N/A MOIST PID=0
@ 7:10

S-3 4-6 2/1/2/2 1.3' REC
YEL BRN F SD, TR C SD
MOIST PID=0 (MED BRN IN SHOE)

S-4 6-8 3/3/2/4/1 1.2' REC
6.0-6.5 N/A MED BRN
TR WOOD @ 6.5
6.5-8 = BLK W/ MOIST
SILTY GRVL (SOME SAND)
LT ASH LAYER

Location _____ Date 5-15-13

Project / Client SB-1

S-5 | 8-10 | 6/6/5/4 | 1.5 Rec

8-9 MED BRN F SAND WET

9-10 BLK WET SILTY F-C SAND, FAINT ODOR PID=0.0

S-6 | 10-12 | 3/1/1/1 | 2 Rec

10-11 MED BRN SILTY F. SAND WET

11-12 BLK SILTY SAND W/ F GRVL PETRO ODOR PID=0.0

S-7 | 12-14 | 2/1/2/1 | 0.5 Rec

GRY GRN CLAYEY SILTY GRVL PID=0.0 WET

S-8 | 14-16 | 3/4/6/6 | 1.4 Rec

MED GRY CLAYEY SILT WET FAINT PETRO ODOR PID=0

S-9 | 16-18 | 7/16/18/22 | 1.2 Rec

DK GRY CLAYEY SILT TR GRVL WET PID=0.0

Location _____ Date 5-15-13

Project / Client SB-1

S-10 | 18-20 | 14/20/24/24 | 1.2

DK GRY SILTY GRVL ANGULAR F-C, WET PID=0

S-11 | 20-22 | 12/16/8/10 | 1.0 Rec

A/A PID=0.0

S-12 | 22-24 | 50/4 | X/X/X/X | 0.5 Rec

A/A PID=0.0

AUGER REFUSAL @ 22.8'

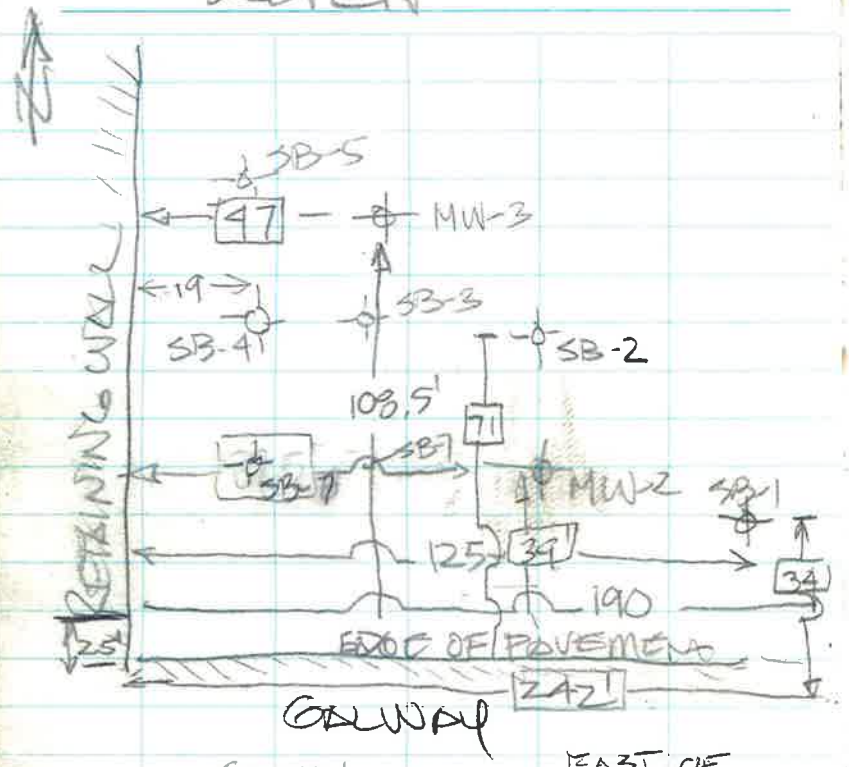
DECON @ NOON

— MOD RAIN & THUNDER @ 100 — 200 HRS, M

Location _____ Date _____

Project / Client OLD GALWAY SITE

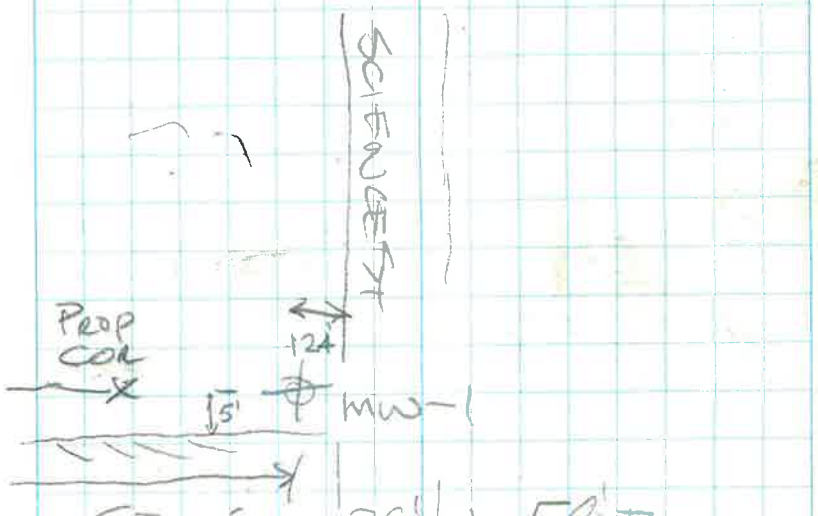
SKETCH



	GALWAY EDGE OF PVMT	EAST OF RETAINING WALL
1) MW-1	5' N	242' E
2) MW-2	39' N	87½' E
3) MW-3	108½' N	47' E
4) SB-1	34' N	125' E
5) SB-2	71' N	98' E
6) SB-3	74' N	54' E
7) SB-4	75' N	19' E
8) SB-5	105 N	19' E

Location _____ Date _____

Project / Client _____



SB-6	39' N	58' E
SB-7	40' N	19' E
SS-4	62' N	71' E
SS-3	128' N	70' E
SS-5	66' N	132' E

Location _____ Date 5-15-13

Project / Client _____

SB-2

S-1 [0-2] 2/2/2/3 1.4' Rec.
YEL BRN FINE SD, MOIST
PID=0

S-2 [2-4] 1/1/2/4 1.4' Rec
D/D PID=0

S-3 [4-6] 4/5/5/6 1.2' Rec.
D/D TO S.S
S.S-6 DRY BRN F SILTY SD (FILL)

S-4 [6-8] 9/14/11/9 1.5' Rec
DK GRY F SAND 6-7'
7-8' = BLK SILTY F GRVL
CINDERS, WET FOINT CHEM ODOR

S-5 [8-10] 5/3/9/10 1.5'
DK GRY GN CLAYEY SILT
GRVL 6" WOOD IN @ 9½-10'

TOOK RINSE BLANK ON
SPOONS @ 8:30

Location _____ Date 5-15-13

Project / Client _____

SB-2

S-6 [10-12] 4/3/4/3 1.1' Rec
10-10.2' LT GRY CRUSHED
SD STONE OVER GRY GRN

S-7 [12-14] 5/4/5/6 1.9' Rec
GRY GRN CLAYEY SILT WET
TR F SD FOINT ODOR 12-13'

S-8 [14-16] 6/8/8/10 1.4' Rec
GRY GRN CLAYEY SILT
VY MOIST

S-9 [16-18] 7/8/8/9 1.7' Rec
MED GRY CLAYEY SILT
VY MOIST PID=0 NO ODOR
AT 4:30

S-10 [18-20] 10/12/7/50/4 2'
WET SLOPPY CLAY IN UPPER
1 FT OF SPOON, MED GRY
CLAYEY SILT 19.0-19.7
13 CMS DK GRY CLAYEY SILT
W/ F GRVL PID=0 E.O.B

68

Location OLD AGNAU Date 5-15-13

Project / Client

DAILY TOTALS

SB-1 22.8 AUGERING
17 SPOONS
1/2 THR DECON
GROUT 22.8' 5SX
DOWN FOR T-STORM 1½
DRUM WATER 0.25

SB-2 14 AUGERING
10 SPOONS

69

Location OLD AGNAU Date THURS 5-16-13

Project / Client

45° SUNNY @ 8:00

DR STE @ 745

SB-3 START @ 900

S-1 [0-2] 2/3/4/5 14" REC
LT BRN F SAND, TR COARSE
SL MOIST PID=0.0

S-2 [2-4] 3/3/3/3 1.6' REC
N/A - TR F GRVL
MOIST PID=0.0

S-3 [4-6] 5/3/2/2 1.8' REC
N/A TR CLAY GRAVEL VY MOIST
TR BURNT WOOD @ 6' PID=0

S-4 [6-8] 1/1/1/1 0.1' REC
PARTIALLY BURNT WOOD IN SHOE WET

S-5 [8-10] 6/4/2/4 0.4' REC
N/A WET

Location _____ Date 5-16-13

Project / Client _____

SB-3

S-6 [10-12] 5/4/4/3 0.5' REC
BLK SILTY CLAYEY SAND, MOD CHEMICAL ODOR PID=0 WET

S-7 [12-14] 4/4/4/4 0' REC
SMALL PIECE OF WOOD & ONE PIECE GRVL

S-8 [14-16] 6/7/8/10 1.5' REC
MED GRN SAND CLAYEY SILT TR ORGANICS VF MOIST

S-9 [16-18] 7/8/10/10 1.6' REC
MED GRY CLAYEY SILT WET

S-10 [18-20] 9/9/21/12 2' REC
MED GRY CLAYEY AND SILT WET PLASTIC GLOP
FINE GRAVEL & CLAYEY SILT
19.8 – 20'

DECON 1045-1115

Location Old Blowpit Date 5-16-13

Project / Client _____

SB-4

S-1 [0-2] 1/2/1/1 0.1' REC
0-2" MED BRN SILTY TOPSOIL
0.2-0.7 LT BRN F SAND

S-2 [2-4] 1/1/1/1 1.2' REC
MED BRN F SAND SL MOIST
PID=0.0

S-3 [4-6] 6/5/6/8 1.4' REC
MOIST 4-5, VF MOIST 5-6
LT BRN F-M SD, TR MED, TR SLT
PID=0.0

S-4 [6-8] 5/3/11/12 1' REC
MED BRN SILTY F-VF SAND VF MOIST 6-7.5 WOOD IN SPOON 7.5-8 PID=0

S-5 [8-10] 7/2/24/12 0.9' REC
MED BRN SILTY F SAND W/ WOOD FRGS BLMS BLK WET WOOD FRGS & CLAYEY SILT 9.8-10 PID=0 CHEM ODOR

Location OLD DOMAIN Date 5-16-13

Project / Client

S-6 [10-12] 9/4/4/5 6" REC
DK BRN/BLK SILTY SAND
WOOD FROGS STRONGER
CHEM ODOR PID=0.0

S-7 [12-14] 5/4/3/5 2' REC
A/A 12-13.3
13.3-14 = GRN GRY CLAYEY
SILT STRONG ODOR PID=0

S-8 [14-16] 10/12/11/11 1'1" REC
MED GRY GRN CLAYEY SILT
STRONG ODOR PID=0

S-9 [16-18] 10/12/10/5 1'6" REC
MED GRY CLAYEY SILT PID=0
VY MOIST-WET ODOR

S-10 [18-20] 6"/13/13/ 2' REC
MED GRY CLAYEY SILT
STRONG ODOR WET

Location Date 5-16-13

Project / Client

INVENTORY / SB-5

24 BOTTLES 20 ||||-|||| |||
12 " 8 0 2 1
24 " 10 2 ||||

2 SETS RINSE BLANK
PLASTIC + VOAS

SB-5 @ 240

S-1 [0-2] 1/1/1/2 1'2" REC
0-0.3 MED BRN SILTY SAND
TOPSOIL OVER F SAND SL MOIST
PID=0.0

S-2 [2-4] 2/1/2/4 1'4" REC
YEL BRN F SAND SL MOIST

S-3 [4-6] 3/4/3/4 1'9" REC
YEL BRN F SD VY MOIST
@ 5'

S-4 [6-8] 4/6/13/30 0'6" REC
MED BRN SILTY F SD MOIST
6-7.5 WOOD @ 7.5

74

Location _____ Date 5-16-13

Project / Client SB-5

SB-5 [8-10] 14/12/X/X/03

MED BRN CLAY SILT SOME F SAND MOIST, SOME BLACK GOOK

- TOOL RINSE BLANK @ 315-330. DRLRS NEED TO LEAVE @ 400

S-6 [10-12] / / / / REC

- BUTTON UP LOCATION LV @ 420

75

Location _____ Date 5-16-13

Project / Client _____

5-16-13 DRLG TOTALS

SB-3
- 14 AUGER
- 1 SPOONS
- 1 GROUT
- ½ DECON

SB-4
- 14 AUGER
- 1 SPOON
- 14' GROUT
- ½ DECON

SB-5
- 10' AUGER
- 5 SPOONS
- ½ H DECON
- ¼ H PUMP OUT DECON PAD

76

Location OLD ROUNDUP Date May 17, 2013 FRI

Project / Client

52° SUNNY 30 SB-5 CONT'D

ONSITE @ 730

CREW CONSTRUCTING NEW DECON PAD

START @ 830

S-6 [10-12] 10/5/6/4 1'REC
10-10½ DK GRY F C GRVL + BRICK
TR SILT 10½-12 GRY GRN WET
SILTY CLAY PID=0

S-7 [12-14] 5/4/5/4 0.5'
C SD FINE GRAVEL, CONCRETE
TR SILT WET PID=0.0

S-8 [14-16] 6/8/14/5 1.7'REC
LT GRY CLAYEY SILT MOIST
MOTTLED W/ GRN CLAY PID=0

S-9 [16-18] 10/9/15/20 1.1'REC
GRN & GRY CLAYEY SILT
MOIST PID=0.0
TR GRAVEL @ 18

Location Date 5-17-13 77

Project / Client

SB5 / SB-6

S-10 [20-22] 13/20/50/2" 0.9'REC
DK GRY CLAYEY SILT
SOME F GRVL W/ MOIST 1.0'REC

REACHED TD @ 910
POOH W/ AUGERS PREP TO DECON
GROUT BORING SB-5 @ 920

SB-6 START @ 955

S-1 [0-2] 3/6/4/5/ 1.4'REC
0-0.3 MED BRN SILTY SD TOPSOIL
0.3-2 YEL BRN F SD SLT MOIST
PID=0 TR GRVL

S-2 [2-4] 5/5/6/8 1.5'REC
A/A TR CLASTS MOIST

S-3 [4-6] 4/8/9/13/ 1.5'REC
MED BRN F SD W/ MOIST
@ 5-6' PID=0.0

Location _____ Date 5-17-13

Project / Client _____

SB-6

S-4 6-8 11/11/50/4" 1.2' REC
6-7' MED BRN F SAND
GRADE TO BLACK F SAND @ 7-8
AUGER THRU OBSTRUCTION

S-5 8-10 5/4/4/4 1.2 REC
BLK SILT & F SAND BLK
GRAVEL WET PID=0.0

S-6 10-12 4/6/5/6
GRY GRN CLAYEY SILT SOME
VFN SAND MOIST PID=0.0

S-7 12-14 4/4/3/3 1.4' REC
GRY GRN CLAYEY SILT SOME
FINE GRAVEL, F SAND
CLAY/SHALE FRAGS WET PID=0

S-8 14-16 4/6/8/8 1.5' REC
MED GRY CLAYEY SILT
WET PID=0

Location _____ Date 5-17-13

Project / Client _____

SB-6

S-9 16-18 5/6/9/10 1.6'
MED GRY CLAYEY SILT F GRVL
+ CL/ML @ 17.9' 18' PID=0

S-10 18-20 11/13/12/29 1.5' REC
DK GRY F GRVL W/SILTY
CLAY, TR FSD WET PID=
0.0

DAILY TOTALS

SB-5
5 SPOONS
4 AUGERING
1/2 DECON
✓ GROUT HOLE

SB-6
10 SPOONS
14 AUGERING
1/4 DECON
✓ GROUT HOLE

1/4 HE DRUM WATER
& 1 DRUM

80

Location OLD DOMINION Date MON 5-20-13

Project / Client

MW-4 ON GRASS AREA @ #34 COURT ST

ON SITE @ 1130 70° OVERCAST

S-1 [0-2] 3/1/2/2 1.4' REC
DK BRN CLAYEY SILT W/ F SAND, MOIST PID>0
@ 1.7-2' = YEL BRN → LT GRAY mottled
S-2 [2-4] * SAMPLED 3/2/3/4 1.4' REC
YEL BRN MOTTLED LT GRAY CLAYEY SILT, SOME F-C SAND WET MOIST
S-3 [4-6] 3/3/3/7 1.2' REC
BRN/LT GRAY CLAY SILT W/ F-C SAND SOME BRICK @ 5' WET PID=0 NO ODOR
S-4 [6-8] 3/3/4/3 1.2' REC
6-7.6 YEL BRN CLAYEY SILT
7.6-8.0 LT GRY CLAYEY SILT W/ F GRVL WET PID=0.0

81

Location Date 5-20-13

Project / Client

MW-4

S-5 [8-10] 4/5/7/13 1.3' REC
DK GRY CLAYEY SILT SOME F SAND TR F GRVL PID=0 WET BOG HEADS PALES

S-6 [10-12] 5/12/10/18/ 1.1' REC
DK GRAY CLAYEY SILT A/A W/ CL GRAVEL @ 11.6-12' WET PID=0
S-7 [12-14] 7/10/11/12 1.6' REC
DK GRAY CLAYEY SILT SOME F SAND TR CRS SD, WET PID=0

S-8 [14-16] 4/14/33/35 1.5' REC
A/A MOIST PID=0.0

REACH TD @ 1400

82

Location

Date 5-20-13

Project / Client MW-4
5-20-13

15' AUGER
8 SPOONS
10' SCREENS
5' RISER
4 CURB BOXES
1/2 Hr DECON
2 DRUMS
1/2 CONTAIN WATER
1/2 MOVE DRUM

LV SITE @ 400

TUES

Location

Date 5-21-13

83

Project / Client 640 Hb24 @ 730

ON SITE @ 730 PREP TO DRILL MW-5 ON COURT ST

~~SETTING~~ SETTING UP ON MW-5 ON COURT NEAR FRONT ST @ 915



Location _____ Date 5-21-13

Project / Client _____

MW-5

S-1 [0-2] WOH/1/3/4 — 1'

MED BRN SILTY CLAY TR F SAND MOIST PID=0 TOPSOIL TR BRICK

S-2 [2-4] 8/20/26/27 1.5' REC

2-2.5 LT BRN CLAYEY SILT SOME F SAND GRADES TO MED BRN GRAY CLAYEY SILT, TR GRVL SATURATED BCMS DK GRY CLAYEY SILT @ 3½ SL MOIST ALL NATIVE

S-3 [4-6] 11/21/28/36 1.7' REC

DK GRY CLAYEY SILT TR F GRVL

S-4 [6-8] 42/50/4 / / — REC

A/D SL MOIST GRVL INCR TO COARSE @ 8' TOOK SAMPLE HAND AUGERING TO 7'

S-5 [8-10] 50/3 / / / — REC

BENT SPOON @ 8'

Location _____ Date 5-21-13 85

Project / Client _____

MW-6

TALK TO CHUCK, GEORGE & MIKE ABOUT SITUATION. PULL RIG 5' TO SOUTH OF LOCATION DRILL TO REFUSAL @ 5.2' — PREP TO DECON @ 1101

@ 10⁰⁰ BAIL DOWN MW-1 W/ STAINLESS BAILER FROM 3.09' TO 14½ REMOVE 7 GALS OF SILTY WATER, LET WELL RECHARGE

MOVE TO MW-6 LOCATION ON SOUTH RAILROAD BRIDGE ABUTMENT @ 1115

PID=0

S-1 [0-2] 2/2/3/3 SL MOIST 1.5' REC

0-0.5 DK BRN FSNDY SILT TOPSOIL

0.5-0.8 BLK CINDERS/COAL ASH

0.8-2 YELLOW BRN (WEATHERED) SILT TR F GRVL

S-2 [2-4] 2/2/3/5 0.7 REC

YEL BRN CLAYEY SILT

WET MOIST → SAMPLED

PID=0.0

Location _____ Date 5-2-13

Project / Client _____

MW-6

S-3 4-6 2/3/4/7 15/REC

YEL BRN SILTY CLAY TR F-C GRVL WET

S-4 6-8 26/42/50/X 15/REC

D/O WET TO 4.5 DOMS YEL BR SLT MOIST CLAYEY SILT GRADES TO MED GRAY CLAY SILT W/ BLK SHALE FRAGS @ 7.8 (WEATHERED ROCK?)

S-5 8-10 12/15/19/30 16/REC

DK GRAY CLAYEY SILT TR F GRVL MOIST, WET IN SMALL AREAS PID=0.

S-6 10-12 10/12/18/50/3 12/REC

HOLE IS ~ 10° FROM VERTICAL A/D PID=0.0

S-7 12-14 12/50/2 0.5'

DK GRY SILTY SAND, CLAY & F-C GRVL MIX MOIST PID=0

Location _____ Date 5-2-13

Project / Client _____

MW-4

AUGER REFUSAL @ 14'

SCREEN 14-4

SAND TO 3'

BENTONITE CHIPS 3-1'

DAILY TOOLS

MW-5 5' AUGER + 3' AUGER

1 HH DECON

½ H MOVE DRUMS

¼ H PUMP WATER

5 SPOONS

MW-6 14' AUGER

7 SPOONS

10' SCREEN

4' RISER

1 ROAD BOX

½ H2 DECON

FED EX PICKUP @ 4:30

88

Location OLD AGWAY Date WED May 22

Project / Client

65° OVERCAST

ON SITE @ 7^45

SETTING UP ON SB-7 @ 8^00.

S-1 [0-2] 1/1/2/2 1.2' REC
0-0.3 DK BRN SILTY SAND TOP SOIL
0.3-2 YEL BRN F SAND MOIST

S-2 [2-4] 3/2/2/3 1.7' REC
YEL BRN F SD TR CLAY
MOIST PID=0

S-3 [4-6] 6/5/7/11 2' REC
B/D TO 5.5'
5.5-7 MED BRN SILTY F SAND
WOOD @ 7' VV MOIST @ 6 PID=0

S-4 [6-8] 7/2/2/4 0.4' REC
POOR RECOVERY MOVE
BORING OVER TO RE-COLLECT
INTERVAL: BLK/BRN COARSE
CINDERS SILTY CLAY, WOOD
WET

89

Location Date 5-22-13

Project / Client

SB-7

S-5 [8-10] 15/12/3/3 0.6' REC
CLAYEY SILT W/ F SAND
WOOD, BLK/BRN COLOR
WET PID=0

S-6 [10-12] 5/4/9/7 0.3' REC
CORN GRY CLAYEY SILT WET
PID=0

S-7 [12-14] 4/4/7/7 1.0' REC
@ 9.5 CORY GRN CLAYEY SILT
TR WOOD (PART OF SAMPLE)
PID=0 WET

S-8 [14-16] 8/7/8/4 0.5' REC
N/A

S-9 [16-18] 8/10/7/8 1.5' REC
LT GRY CLAYEY SILT
WET PID=0.0

Location _____ Date 5-22-13

Project / Client _____

SB-7

S-10 [8-20] 5/5/6/7 2'Rec
MED GRAY CLAY SILT
TR GRVL WET PID=0
TD@10

SURFACE SOIL SAMPLE

MW-2 & MW-3 PREV. COMPLETED

[SS-1] OFF SITE SAMPLE SURFACE SOIL
E/S OF SCIENCE ST, NORTH
60' ~~EAST~~ OF INTERSECTION OF GOLLWAY
FROM MW-1

[SS-2] ON SOUTHSIDE
OF GOLLWAY 13' WEST
OF POWER POLE #32
(ACROSS FROM APPROX
MIDDLE OF SITE

Location _____ Date 5-22-13

Project / Client _____

SB-5 3RD ATTEMPT

AT 100 MOVE RIG BACK TO
MW-5 TO ATTEMPT TO INSTALL
WELL
AT 120 AUGERED TO 4'
GRINDING ON GRAVEL
JASON DRILLING, RALPH
IS HELPER
- AT 130 GRINDING @ 5'
- AT 145 AUGERING SMOOTHLY
@ 7'

RIH w/ SPOON @ 200
MW-5
[8-10] 50/3 NO RECOVERY
- FEDEX PICKUP @ 4:30
- JOSTIN ONSITE, HE WILL
DEVELOP, SLUG TEST &
SAMPLE WELLS

92

Location OLD AGNEW Date THUR 5-23-13

Project / Client 67° SCATTERED RAIN

- NEED SURFACE SOIL
  2 DUPS + 1 MS/MSD @
- NEED 3 HAND AUGER HOLES
  1 DUP + 1 MS/MSD
- NEED ONE SAMPLE DRUM WATER

MW-5

14-16 ~~1000~~ 50/4 0.1
DK GRY CLAYEY SILT W/ FINE SAND F GRVL MOIST
PID=0
AUGER TO 15½ SET WELL
SCREEN 15-5
SAND TO 3', BENT TO 1'

= WET CUTTINGS @ 12'
YEL BRN CLAYEY SILT W/ F SAND, WET

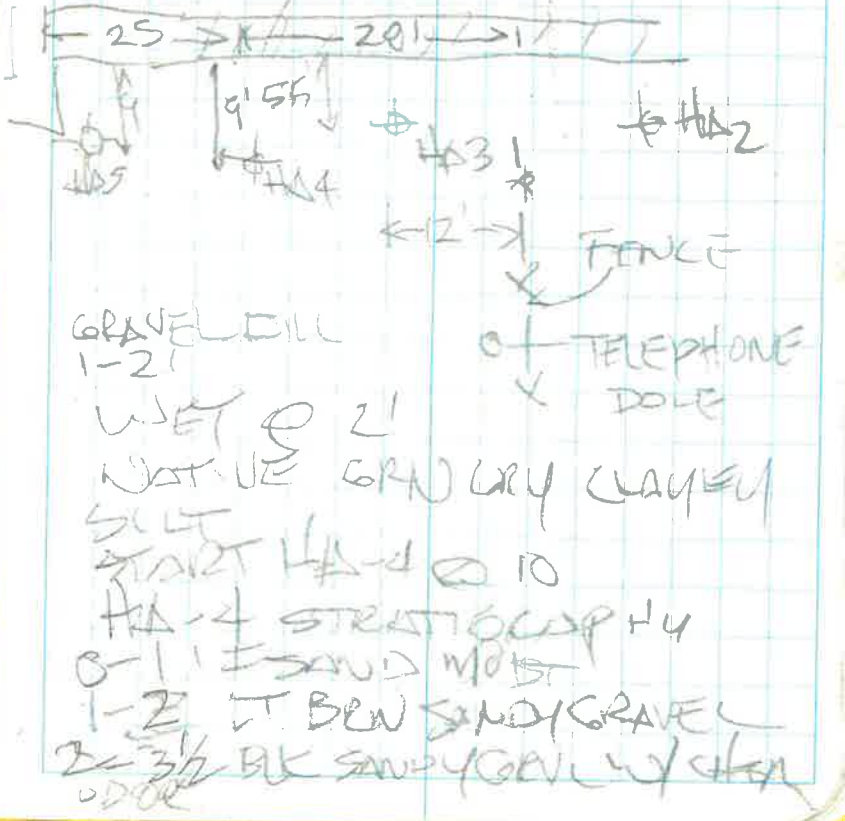
93

Location Date 5-23-13

Project / Client

HA-3

- AT 9⁰⁰ DIGGING HA-3
SAMPLE 1-1½ FOR PRIMARY DUP MS+MSD, MED BRN SILTY F-C SAND W/ CRS GRVL WOOD & COBBLES
PID= 9.7 @ 1½' HUMIDITY ?
HA-4



Location _____ Date _____

Project / Client _____

HDA

PID = 0 IN HOLE
BLK SAMPLE MATL IS MOIST

HA-5
0 - 2' BRN SAND, GRAVEL COBBLES, MOIST
2 - 2½ BRN SILTY SAND + GRVL
2½ - 3½ BLK CLAYEY SILT TR GRVL PID = 0.8

TOTALS 5-22
20' AUGER
11 SPOONS
½ DECON
14' GROUT
½ H MOVE DRUM
2 DRUMS

MW-5
10' AUGER
1 SPOON
1 HR T-STORM =

Location _____ Date _____

Project / Client DRUM 15/16

CURB BOX 9/16

MW-5
5' AUGER
1 SPOON
10' SCREEN
5 RISER
1 ROAD BOX
½ HR DECON
½ HR PUMP WATER
3 DRUM

→ 12 DRUMS TOTAL

2 MT
1 WATER (SAMPLED)
1 WATER
8 SOIL
— BUY HAND TOOLS TO OPEN WELLS
AT 3:00 - BAIL 10 GALS FROM MW-2
W/L ~ 6.8' CANNOT BAIL DOWN TRACE SHEEN
- MOVE TO MW-3 BAIL 25 GALS W/L ~ 6.8 INSTANT RECHARGE
LUNCH @ 5:00

Location Ballston Spa, NY Date 5/13/13

Project / Client NYSDEC - Old Agway

0800 - URS arrives onsite. Drillers not here yet.

0830 - Jim from SJB arrives and Dave Gardner from NYSDEC arrives.

0839 - Averdi arrives with waste dumpster (pic 1713 : 1714). The geophysical survey team also arrives. Angelo's begins brush clearing on the west side of the property (pic 1715 : 1716).

0900 - Tim B of URS gives EHS talk to crew members onsite.

0930 - URS Buffalo does a walk around the property with NYSDEC. URS Clifton Park stays onsite to oversee the brush clearing activities and geophysical survey. The owner of the property adjacent to the site arrives with questions for the project managers. URS Buffalo and NYSDEC meet with the owner of the adjacent property.

0945 - SJB drillers arrive onsite and

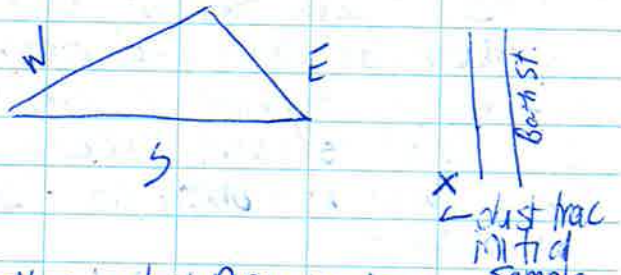
Location Ballston Spa, ny Date 5/13/13

Project / Client NYSDEC - Old Agway

begin set up.

1106 - URS Clifton Park calibrates dust trac using zero method.

1120 - URS Clifton Park takes initial dust reading at 0.004 mg/m³ at the eastern edge of the property (upwind).



1125 - URS takes initial PID reading upwind on the southeast side of the property (0.0 ppm).

1230 - The brush crew finishes removing all brush from the west side of the property. The brush crew informs URS that no bugs were noticed during brush clearing.

1315 - URS and NYSDEC survey and plot the sampling grid on

Location Ballston Spa, ny Date 5/13/13

Project / Client NYSDEC - Old Agway

the property. URS pins the grid.

1340 - URS sets up dust trac on the southeast side off property. SJB begins set up for drilling MW-1.

1345 - URS begins dust trac monitoring. The dust trac's initial reading was 0.004 mg/m³ and will data log every 30 minutes. SJB begins drilling for MW-1. MW-1 is being placed on the corner of Galway Rd. & Science Street.

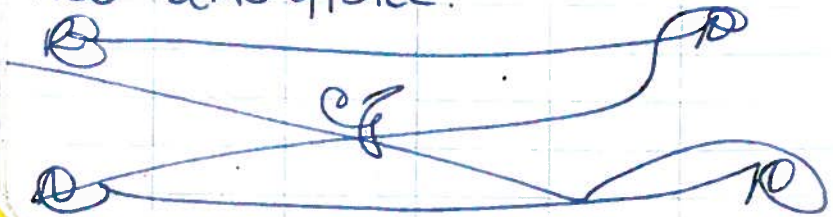
1355 - PID reading on MW-1 area was 0.0 ppm. The soil is a dark brown, almost black color.

1415 - URS collects 0-4 ft. samples from MW-1 drilling area. PID reads 0.0 ppm. Dust trac reads 0.006 mg/m³ The drillers at SJB encountered clay at 4 ft.

1420 - URS collects samples of MW-1 area at 2-4 ft.

1430 - URS collects samples of MW-1 at

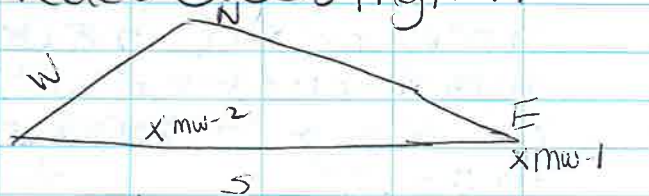
4-6ft.
1440- URS observed wet soil at 7ft and collects 6-8ft samples at MW-1.
1445- URS collects samples at 8-10ft at MW-1. Dust trac reads 0.005 mg/m³ and PID reads 0.0ppm.
1504- URS reads the dust trac at 0.005 mg/m³ PID reads at 0.0ppm.
1510- URS collects the last MW-1 soil samples at 14-16ft. The soil is clay-like, sticky, damp, and solid.
1546- URS checks the dust trac. It reads at 0.006mg/m³.
1615- URS reads dust trac at 0.011 mg/m³ ~~URS~~ SJB finishes installing MW-1. URS ends dust monitoring for today.
1700- URS offsite.



0800- URS onsite. SJB is onsite beginning decontamination.
0830- URS calibrates and sets up dust trac. Drillers begin set up of MW-2. Initial dust trac reading is 0.006mg/m³
0857- URS collects 0-2ft soil samples in MW-2 area located on ~~North~~ southern front (center) part of property (photo 1753 & 1754).
0905- URS continues sample collection at MW-2. PID readings are 0.0ppm. Soil is sandy and medium brown.
0915- SJB encounters a boulder at the MW2 area (? building foundation). SJB maneuvers rig to accomodate. The location of the dust trac is the eastern side of the property (photo 1752)
0926- SJB begins drilling 4-6ft.

Location Ballston Spa, ny Date 5/14/13
Project / Client NYSDEC - Old Agway

The blow count is 2386.
0938 - PID reads 1.3ppm at 6-8ft. The soil is moist and grainy.
0945 - URS observes SJB decontaminating all equipment (spoons) at each depth. Dust trac reads 0.008 mg/m³.



SJB drilled through the obstruction at 8.5 ft.
0954 - URS and NYSDEC smell an oil/rubber-like odor during drilling at 8-10ft. PID is reading 0.0 ppm.
1004 - Dust trac reads 0.006 mg/m³
1010 - SJB stops drilling at 10ft and lifts the auger and hammer. The plug has black tar-like soil. PID reads 0.0 ppm.

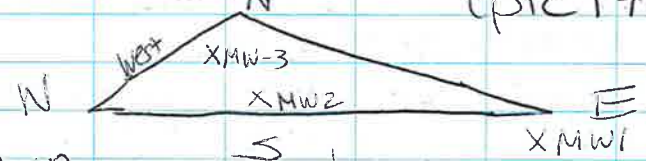
Location Ballston Spa, ny Date 5/14/13
Project / Client NYSDEC - Old Agway

1018 - No samples taken at 10-12ft. The blow count is 50/1. PID reads 0.0ppm. URS collects one grab sample from the shoe at 10-12ft. The spoon PID reading is 1.4 ppm.
1025 - Dust trac reads 0.005 mg/m³. The auger hits a blockage and the drill tilts toward the west at 12.5 ft. SJB adjusts the rig.
1041 - Samples collected at 12-14ft. PID reads 0.0ppm. Soil has gray/brown clay-like appearance.
1109 - Samples collected at 14-16 ft.
1119 - Samples collected at 16-18 ft. Dust trac reads 0.009 mg/m³
1130 - URS collects 18-20ft. Samples PID reads 0.0ppm. SJB begins MW-2 placement.

Location Ballston Spa, ny Date 5/14/13
Project / Client NYSDEC - old Agway

1145 - Rain begins. URS takes apart dust trac. Drilling stops, but monitoring well is being placed.

1230 - SJB decontaminates drill rig and its pieces. URS sets up dust trak (not spelled trac as mentioned in previous notes in error) in the same east side location on site. The drill rig sets up on the northwest side of the property to begin set up of MW-3 (pic 1766).



1242 - Initial dust trak reading is 0.007 mg/m³

1319 - SJB begins drilling MW3. The blow count for 0-2ft is 2222.

Location Ballston Spa, ny Date 5/14/13
Project / Client NYSDEC - Old Agway

1323 - Samples collected at 0-2ft.

1332 - URS collects samples from 2-4ft. and surface samples from 0-0.5ft. PID readings are 0.0 ppm

1345 - URS was only able to collect one sample from 4-6ft (8 oz amber - pest, herb, ~~metals~~, PCBs, & SVOCs.

1400 - URS collects rinse blank samples at 6-8ft and then collects samples at 8-10 and 10-12ft.

1433 - Dust trak reads 0.005 mg/m³

1441 - URS collects samples at 12-14ft. SJB decontaminates spoons between each set of drilled feet / sampling events. PID reads 0.0 ppm.

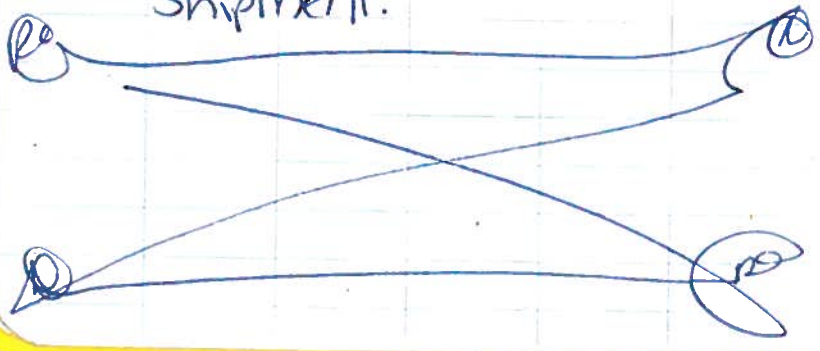
1445 - Chuck Dusel and NYSDEC Dave Gardner started hand augering on the west side of property at 14:00.

Location Ballston Spa, NY Date 5/14/13.
Project / Client NYSDEC - Old Agway

1513 - URS collects final samples on MW3 at 18-20ft. Chuck Dusel returns with hand auger samples HA-2. SJB end drilling and begin placement of well. PID reads 0.0ppm. Last reading on dust monitor is 0.005 mg/m³. URS turns of dust trak for the day.

1600 - URS packages and prepares four coolers of soil samples for shipment.

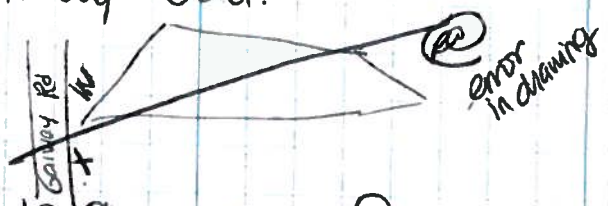
1630 - URS offsite to deliver packages to the Clifton Park, NY & URS office for fedex shipment.



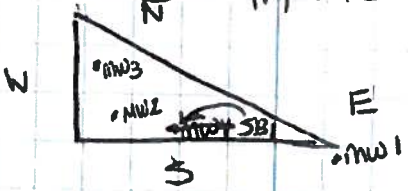
Location Ballston Spa, NY Date 5/15/13 5/14/13 @
Project / Client NYSDEC - Old Agway

0800 - URS onsite. Tim B. from URS leads safety talk with SJB.

0820 - URS sets up dust trak for the day on the West side of the property (pic 1767) upwind. Inthal dust trak reading is 0.014 mg/m³ (URS calibrated dust trak first) The dust trak is set up next to (at the edge of) Galway road.



0830 - SJB begins set up for installation of MW-4 (pic 1768) on the south side of property

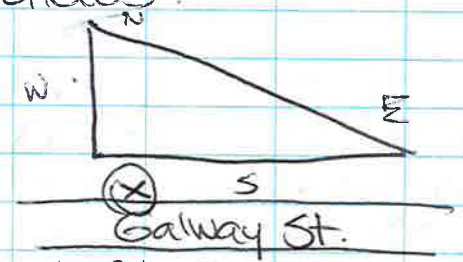


Dust trak set up drawing is as

Location Ballston Spa, NY Date 5/15/13

Project / Client NYSDEC - Old Agway

Galaxy:



0850 - URS was in error at 0830. The drilling is not for MW4; it is for Soil Boring (SB) 1. URS corrected drawing on previous page. STB begins drilling.

0908 - Dust trak reads 0.011 mg/m³. URS collected samples of SB1 at 0-2ft and 2-4ft. PID readings are 0.0ppm. Blow count for 4-6ft is 3,3,22,9.

0919 - URS collected SB1 ~~(4-6 (6-8ft)~~. Soil is sand-like without liquid/moisture. STB decontaminates spoons between each drilling event.

Location Ballston Spa, NY Date 5/15/13

Project / Client NYSDEC - Old Agway

0925 - URS collects ~~6-8ft~~ at SB1.

0927 - URS did not start the logging interval on the dust trak when it started at 0830. URS began dust trak logging on the digital machine at 0927 with a 0.011 mg/m³ reading.

0932 - Soil is black and tar-like at 8-10ft with a slight odor. PID reading is 0.0 ppm. (Pic #1769).

0945 - Dust trak reads 0.012 mg/m³. STB drills 10-12ft at SB-1. Soil is black and wet (pic # 1770). PID reading is 0.0ppm. Soil has a tar-like odor.

1004 - Soil at 12-14ft is gray, wet, and clay-like. URS was only able to collect 1 bottle of soil (SB1 12-14)

Location Ballston Spa, ny Date 5/15/13

Project / Client NYSDEC - Old Agway

to test for PEST/HERB/PCB/SVOCs.

1030 - URS collects samples at depths 14-16ft, 16-18ft, and 18-20ft. Time of sample collection is on chain of custody. PID reading 0.0ppm. Dust trak reads 0.011 mg/m³.

1045 - SJB hits presumed rock at 22.5ft. URS collects samples at 20-22ft. PID reading 0.0ppm.

1100 - SJB begins augering past 22.5ft to 22.8ft. The auger is not drilling down past presumed bedrock. Dust trak reads 0.014mg/m³.

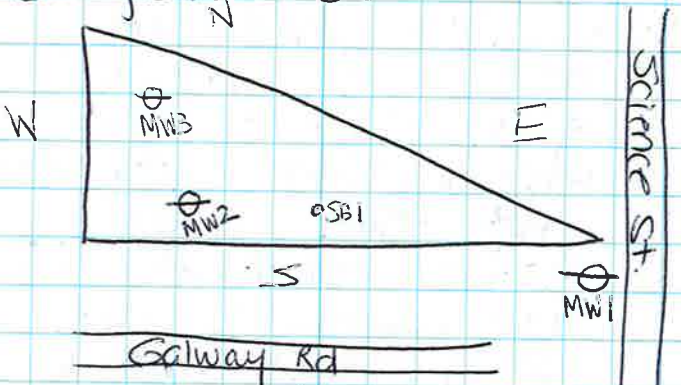
1115 - SJB begins grouting SB-1. URS takes measurements to create a not to scale drawing of MW & SB locations (see field book - Tim Burmeier).

Location Ballston Spa, ny Date 5/15/13

Project / Client NYSDEC - Old Agway

URS moves dust trak to the southeast edge of property due to a change in upwind direction.

1140 - Dust trak reads 0.014mg/m³ in new location. Not to scale drawing of site (without measurements) is as follows:



1145 - SJB completes grouting of SB-1 (pic #1771).

1230 - Drillers (SJB) break for lunch.

1300 - Thunderstorm starts. SJB continues decontamination. URS stops dust trak to

pull it in from the rain. The sample coolers are stored in the shed away from the rain. SJB will seek shelter.

1415 - SJB begins moving equipment to next location. URS sets up dust trak and initial reading is 0.015 mg/m^3. URS receives a phone call from Dave Gardner of NYSDEC who informs URS that if the property owners attorney shows up onsite, all calls should be directed to DEC.

1433 - SJB sets up auger at southwest location on property for SB-2. URS begins collecting samples (0-2ft, 2-4ft, 4ft-6ft). PID reading of

are 0.0ppm. Soil is light brown and dry.

1458 - URS collects samples at 6-8ft and soil begins to change color and texture. The soil has a mild "tar-like" odor; PID reads 0.0ppm.

1507 - URS is instructed to shut down dust trak due to rain. Last reading is 0.084 mg/m^3. SJB encounters a drilling issue at 8-10ft. The spoons have gravel, wood, and black, thick soil (pic #1775).

1530 - URS collects rinse blanks.

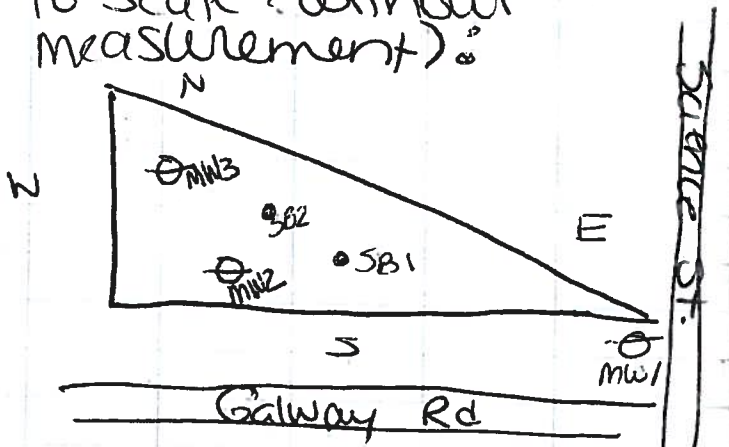
1545 - URS begins collecting SB2 samples again at 10-12ft. PID reads 0.0ppm.

1600 - SJB augers down to 14-16ft. URS collects samples.

Location Ballston Spa, ny Date 5/15/13

Project / Client NYSDEC, Old Agway

SJB continues to auger and will reach 20 ft. URS will continue to collect soil samples at SB2 16-18 ft and 18-20 ft. Locations are as follows (not to scale & without measurement).



1617 - The soil at 18-20 ft is gray and wet with a soft clay-like texture (Pic # 1782).

1700 - URS packs up sample coolers and is offsite.

Location Ballston Spa, ny Date 5/16/13

Project / Client NYSDEC, Old Agway

0800 - URS onsite. URS calibrates the dust trak and initial reading at 0817 is 0.011 mg/m³. URS charged the PID and dust trak overnight, a burning smell came from the equipment. URS will monitor equipment.

0823 - SJB decontaminates equipment. URS measures distances between wells (numbers in Tim Burmeier's field notebook). URS finds SB3 (pic 1784) on the west side of property.

0900 - SJB begins augering at SB3. URS packs 5/15/13 coolers up for fedex shipment. URS begins collecting samples. PID reads 0.0 ppm

0928 - URS continues to collect samples at 4-left. PID

Location Ballston Spa, NY Date 5/16/13

Project / Client NYSDEC - Old Agway

reads 0.0ppm.

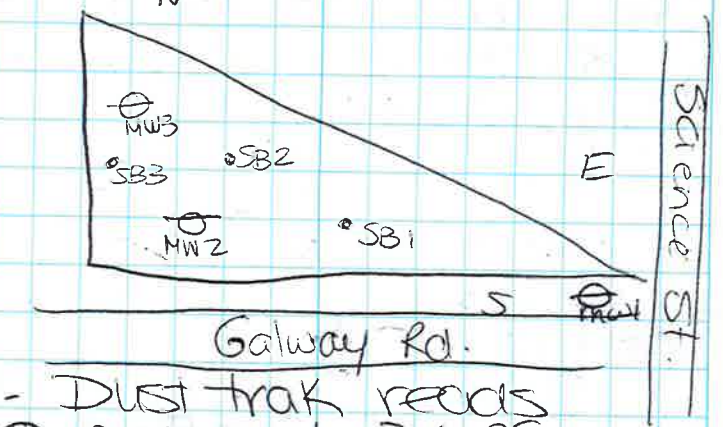
0930 - URS was only able to collect 1 soil sample at 6-8ft on SB3. PID reads 0.0ppm. The soil has started to turn black; soil is wet.

0945 - URS was only able to collect 1 sample from SB3 at 8-10ft. and 10-12ft. STB was unable to get recovery at 12-14ft. STB augered down to 12ft. and tried again. STB was unable to get recovery again due to rock/stone (Pic #1787). Pic 1785 shows location of SB3. The following drawing is of each sample location (without measurements) and

Location Ballston Spa, NY Date 5/16/13

Project / Client NYSDEC - Old Agway

not to scale:



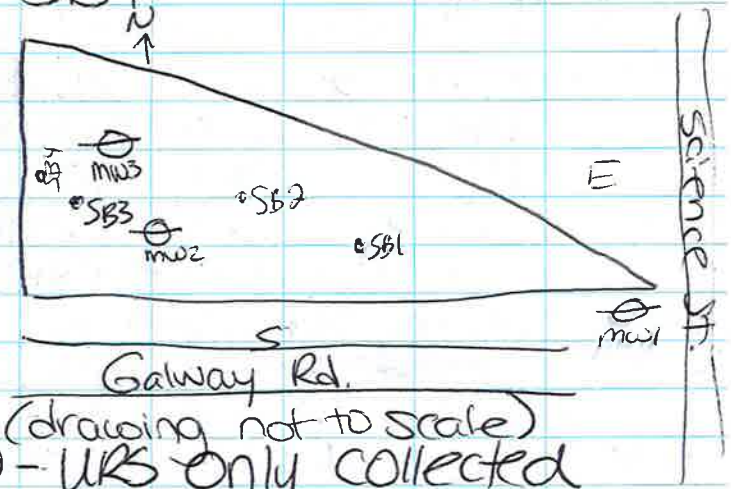
1009 - Dust trak reads 0.005mg/m³. URS is able to collect samples at 14-16ft. Soil is gray, wet, and clay-like.

1125 - Dust trak reads 0.005mg/m³. URS prepares for SB4. STB decontaminated equipment and moved drill rig to west side of property for SB4. URS called Pine regarding equipment, URS is awaiting a call back.

Location Ballston Spa, ny Date 5/16/13
Project / Client NYSDEC- Old Agway

SB4 Pic # 1788

1128- SJB begins augering SB4.



(drawing not to scale)

1140- URS only collected one sample on SB4 0-2ft due to limited recovery.

1150- URS continues to collect samples at 4-6ft, 6-8ft, and 8-10ft. The soil at 8-10ft is beginning to turn black and wet. PID readings 0.0 ppm.

1202- Dust trak reads 0.004 mg/m³

Location Ballston Spa, ny Date 5/16/13
Project / Client NYSDEC- Old Agway

URS was only able to collect three samples for SB4 8-10ft.

1215- URS schedules fedex pick up of 3 packages (samples). URS is only able to collect 1 sample at SB4 10-12ft. Soil is black, wet, and has a tar-like odor.

1226- URS observes a sour odor coming upwind.

1230- SB4 14-16ft is black and clay-like. There is a strong sour odor and a strong tar-like odor. PID reads 0.0 ppm. (Pic 1789)

1240- Dust trak reads 0.005 mg/m³. URS collects SB4 16-18ft. and 18-20ft. samples.

1249- SJB breaks for lunch.

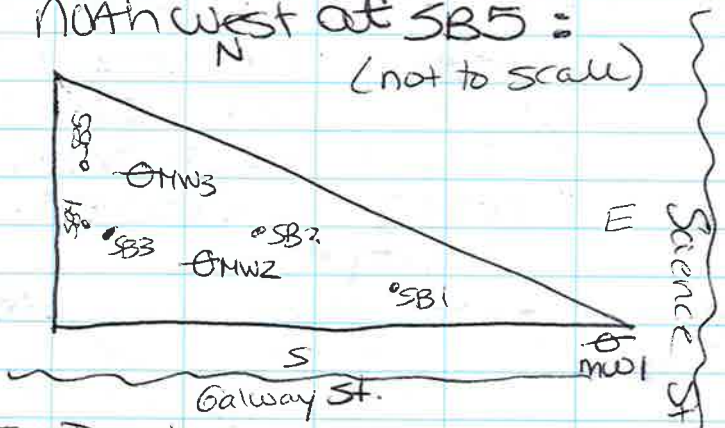
1330- SJB grouts SB4 and brings the auger to its

Location Ballston Spa, NY Date 5/16/13

Project / Client NYSDEC - Old Agway

decontamination station. URS collects SB4 Drum Composite samples.

1430 - SSB sets up on the northwest at SB5:



1437 - Dust trak reads 0.007 mg/m³.

1440 - Blow count begins and URS collects samples for 0-2 ft at SB5.

1457 - URS collects 2-4 ft and 4-6 ft. No odor noticed. PID reads 0.0 ppm.

1500 - URS collects SB5 6-8 ft samples. PID reads 2.8 ppm. Soil is dark

Location Ballston Spa, NY Date 5/16/13

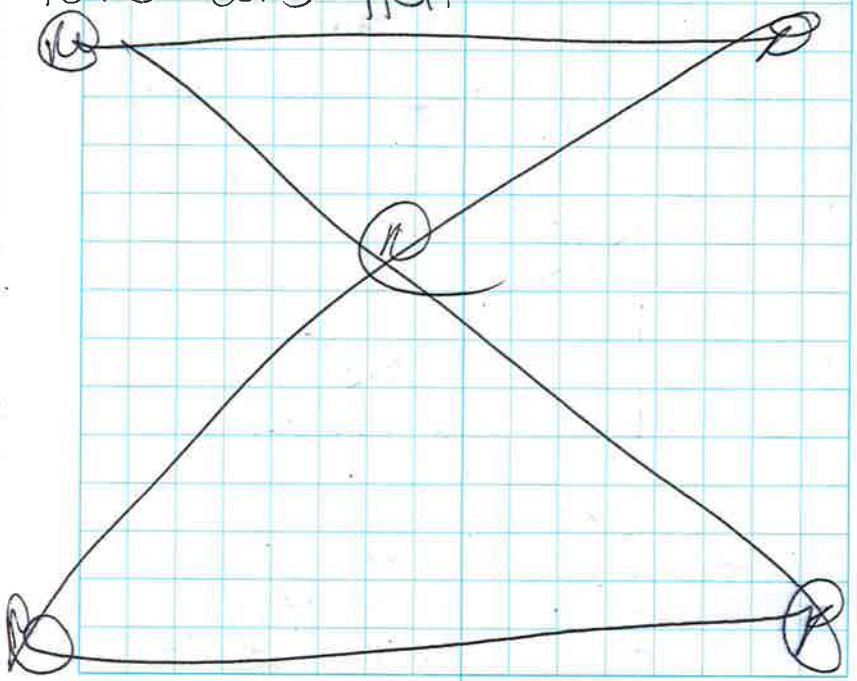
Project / Client NYSDEC - Old Agway

brown to almost black.

1537 - URS finishes collecting rinse blank samples and resumes SB5 sampling. Dust trak reads 0.006 mg/m³

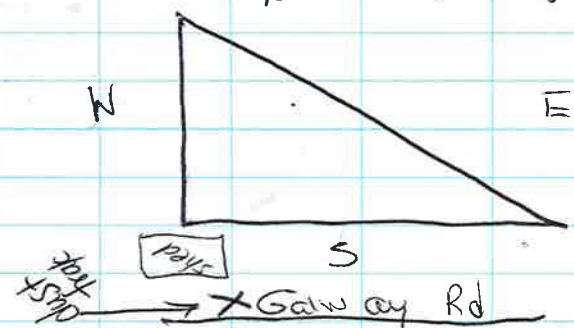
1600 - Sampling ends for the day a 8-10 ft. URS shuts down dust trak and packs up coolers.

1615 - URS offsite.



Location Ballston Spa, NY Date 5/17/13
Project / Client NYSDEC - Old Agway

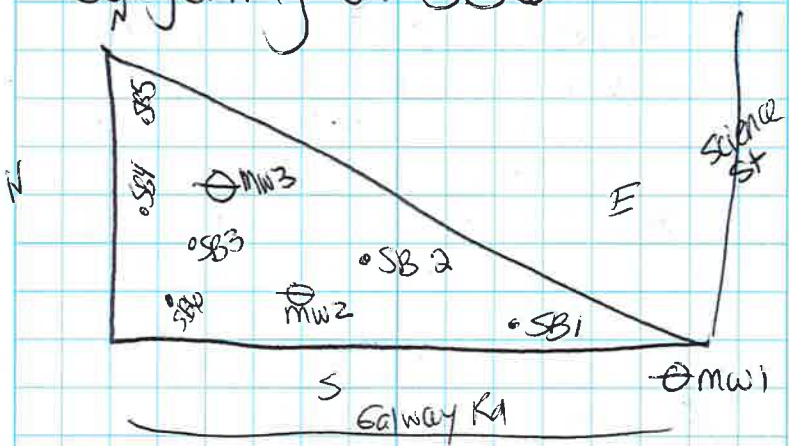
0800 - URS onsite. Dust trak initial reading is 0.001 mg/m³.
0815 - URS performs safety talk.
0825 - SJB begins augering at 10 ft. for the 10-12 ft. samples at ~~SB4~~ SB5.
0838 - Due to limited recovery, URS collected only 1 sample at ~~SB5~~ SB5 10-12 ft and 12-14 ft.
0851 - Dust trak reads 0.003 mg/m³. URS moves dust trak from east side of property to west due to wind shift.



0900 - URS continues sample collection at SB ~~4~~ 5 16-18 ft. and 18-20 ft. Soil is

Location Ballston Spa, NY Date 5/17/13
Project / Client NYSDEC - Old Agway

gray and wet with clay-like consistency. No odors. PID reads 0.0 ppm.
0905 - URS collects last sample at ~~SB4~~ SB5 18-20 ft. SJB prepares augers for decontamination before moving to ~~SB5~~ SB6.
0930 - SJB decontaminates rig and augers.
1000 - SJB begins set up and augering at SB6.



(not to scale)
URS begins collecting

Location Ballston Spa, NY Date 5/17/13

Project / Client NYSDEC - Old Agway

samples at 0-2ft. PID reads 0.0ppm.

1009- Dust trak reads 0.001 mg/m^3

1015- Soil turns dark brown and slightly black at 6-8ft. PID reads 0.0ppm.

1023- Soil at 8-10ft. is black with a wet sheen. No odor. PID reads 0.0ppm.

1100- URS collects last sample at SB6 (18-20). The soil is gray, wet, and clay like. No odor. PID reads 0.0ppm.

1130- SJB decontaminates equipment. HZM informed URS that samples are arriving at >10°C and more ice is needed. URS will comply. SJB grouts SB6. Dust trak final reading is 0.00 mg/m^3

Location Ballston Spa, NY Date 5/17/13

Project / Client NYSDEC - Old Agway

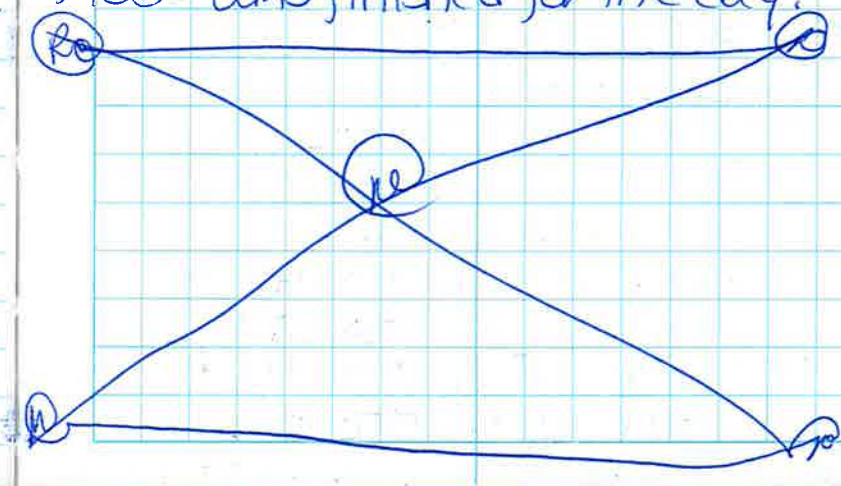
URS shipped 4 coolers with sample with the same amount of ice as previous samples. URS will send out last package today with more ice to reach 4°C.

1200- URS packs up last cooler to ship from fedex.

1230- URS and SJB offsite.

1300- URS ships cooler from Clifton Park, NY office (URS) and receives new battery for the dust track.

1400- URS finished for the day.

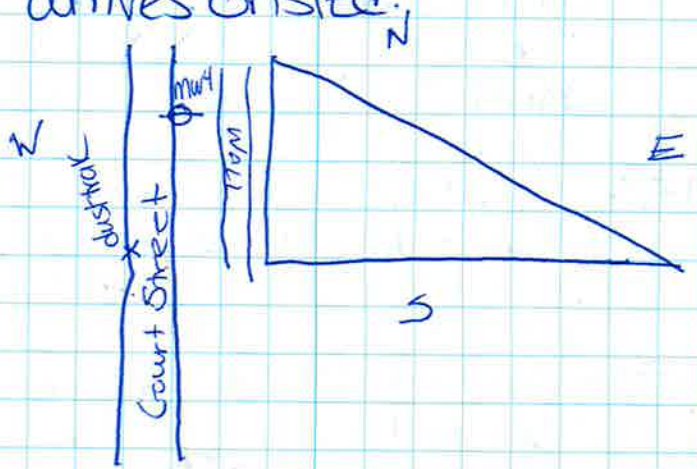


Location Ballston Spa, NY Date 5/20/13
Project / Client NYSDEC - Old Agway

0800- URS onsite. SJB onsite. Tim Burmeier from URS Buffalo will ~~not~~ arrive at noon.
0815- SJB begins moving their drums and preparing to cap the wells that are in place.
0845- SJB begins capping MW1. (Pic #1791)
0940- SJB completes capping MW3 (#1792) and MW2 (#1793).
1000- SJB offsite to purchase items needed to complete their work.
1100- SJB moves drill rig offsite to the lower west side of property. SJB prepares to drill for MW4.
1130- URS sets dust trak up South of drill site. URS calibrates dust trak and Tim B.

Location Ballston Spa, NY Date 5/20/13
Project / Client NYSDEC - Old Agway

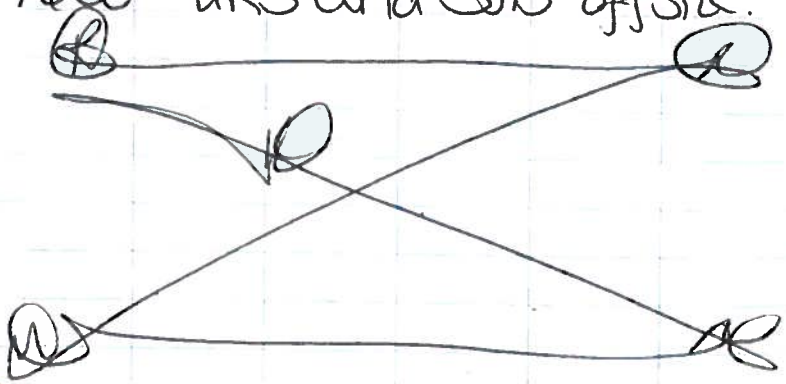
arrives onsite.



1145- Drillers break for lunch.
1200- SJB and URS prepare to auger MW4.
1220- URS begins sampling of MW4 at 2-4ft. Dust trak initial reading is 0.001 mg/m³ PID reads 0.0ppm.
1235- Soil at 6-8ft is wet and gray with a clay-like consistency.
1248- SJB continues to drill down to 15ft at MW4. No further samples are collected.

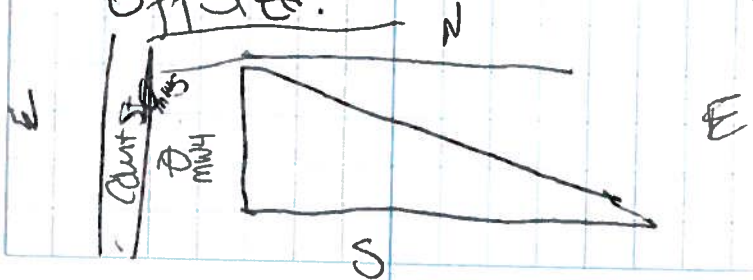
Location Ballston Spa, NY Date 5/20/13
Project / Client NYSDEC - Old Agway

Dust trak reads 0.015 mg/m³
1300 - Soil at 14-16ft. is gray and moist. The texture is a gravel/sand.
1330 - SJB covers MW4 with the cap (pic #1798).
1355 - Dust trak reads 0.019 mg/m³. URS stops dust trak for the day. SJB moves rig back onsite for decontamination. URS prepares samples for fedex shipment.
1500 - SJB finishes decontamination. SJB and URS scope out areas of MW5 & MW6.
1600 - URS and SJB offsite.



Location Ballston Spa, NY Date 5/21/13
Project / Client NYSDEC - Old Agway

0800 - URS onsite. SJB onsite.
0836 - URS presents safety talk of the day. The dust trak failed this morning with service error 1. URS called Tine who explained that all data was lost. URS recorded daily data, but not at 30min. intervals. Tine will overnight new machine and check corporate for data retrieval.
0840 - SJB begins auger at MW5 location on northwest side of property offsite.



Location Ballston Spa, ny Date 5/21/13

Project / Client Old Agway

Initial dust trak reads 0.043 mg/m³.

0921 - URS Collects MW5 samples at ~~0~~ 6-8 ft. PID reads 0.0 ppm.

0938 - ~~URS~~ Dust trak reads 0.030 mg/m³. SJB hits rock at 8ft. No groundwater present. Soil is black and dusty - not moist. SJB stops drilling due to rock and potential damage of equipment. URS Buffalo instructs SJB to grout MW5 shut. The MW5 cannot be placed due to 8ft. rock (pic 1800, 1801)

1000 - Dust trak reads 0.030 mg/m³ but no activity present - drilling has stopped.

1014 - URS Clifton Park moves

Location Ballston Spa, ny Date 5/21/13

Project / Client Old Agway - NYSDEC

to MW1 to begin purging with a metal bailer. Depth of well = 15ft. Initial depth to water 3.09ft. URS begins bailing into a 5-gallon bucket. The well water is brown and turbid.

1030 - Water level is 8.65ft. URS continues to purge. 7 gallons removed. Bailed down to 13.65ft.

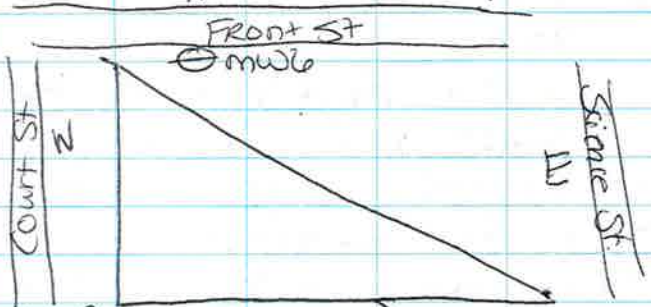
1035 - SJB moved 5ft South of MW5 to attempt drilling again. SJB was unable to drill through rock. URS Buffalo advised SJB to move to ~~not~~ MW4 location.

1055 - Last reading on dust trak is 0.031 mg/m³. URS turns off dust trak and will move

Location Ballston Spa, ny Date 5/21/13
Project / Client NYSDEC - Old Agway

location when SJB returns to drilling. SJB decontaminates equipment.

1147 - SJB begins augering at MW6. Dust trak is not functioning. The buttons do not respond (the battery is at 80%) and it will not zero out. URS Buffalo advised URS Clifton Park to stop using dust trak for today.



1150 - URS begins collecting samples at MW6 (2-4 ft). Only one jar collected.

1207 - SJB continues to drill. Soil becomes wet / moist

Location Ballston Spa, ny Date 5/21/13
Project / Client NYSDEC - Old Agway

at 8 ft. SJB encounters shale fragments.

1223 - SJB hits hard silt and continues to auger at 12 ft.

1245 - SJB and URS break for lunch.

1300 - SJB resumes drilling at MW6. PID reads 0.0 ppm.

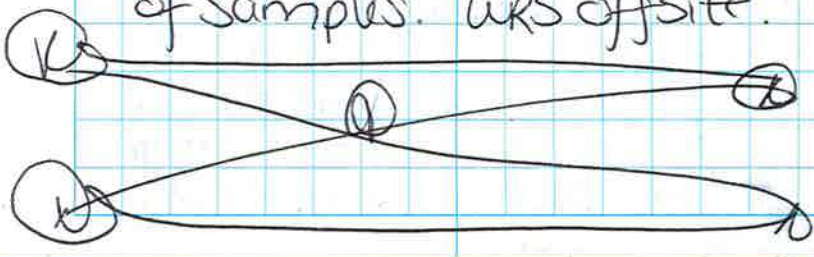
1315 - SJB sets MW6 at 14 ft.

1416 - MW1 depth to water is 3.55 ft indicating recharge in 3.5 hrs.

1500 - SJB decontaminates equipment. URS prepares samples for fed ex pick up.

1540 - SJB offsite.

1630 - Fedex picks up cooler of samples. URS offsite.



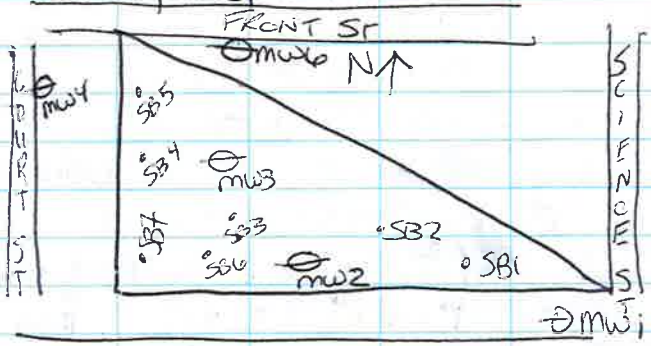
Location Ballston Spa, NY Date 5/22/13

Project / Client NYSDEC - Old Agway

0800 - URS and SJB onsite.

0815 - URS performs safety talk.

0820 - SJB prepares SB7.



0835 - URS starts collecting samples at SB7 (0-2ft). New dust trak from fedex has not arrived. URS does not have a functioning dust trak for the SB7 drilling. Wind is minimal.

0855 - Soil @ 6-8ft is moist, dark brown, and has some black and gravel. No odor noticed. PID reads 0.0ppm. URS

Location Ballston Spa, NY Date 5/22/13

Project / Client NYSDEC - Old Agway

collected 1 sample due to limited soil recovery.

0905 - SJB hit a blockage at 8-10ft; it appeared to be wood. URS collected 1 sample due to limited recovery.

0917 - SJB drilled to 10-12ft. with limited recovery. URS collected 1 sample.

0936 - SJB ~~had~~ drilled past the wood blockage and received better recovery. No odor. PID reads 0.0ppm at 12-14ft. SJB reached the block again at 14-16ft with limited recovery. URS collected 1 sample.

0945 - SJB got better recovery on 16-18ft. Soil is gray, wet, and clay-like.

0950 - URS collects last sample

Location Ballston Spa, ny Date 5/22/13

Project / Client NYSDEC - Old Agway

at SB7 (18-20ft). PID reads 0.0ppm. Fedex still has not arrived with dust trak, 2 coolers, or the groundwater equipment.

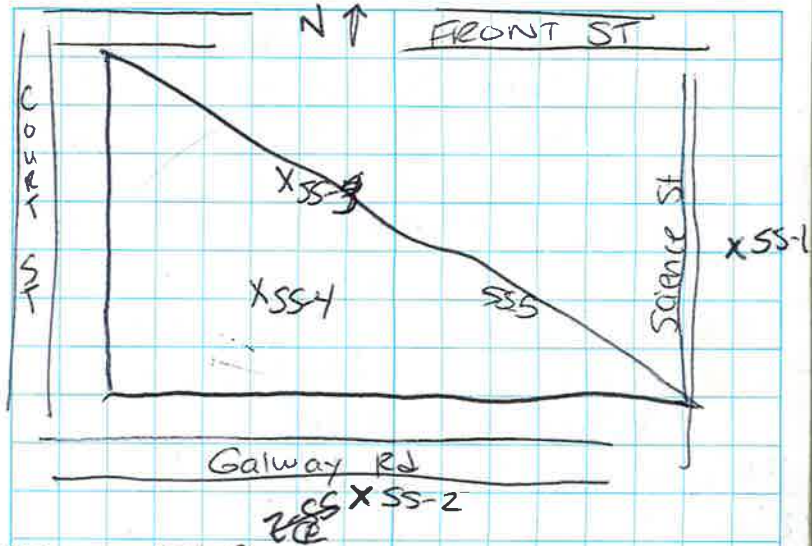
1055 - STB decontaminates equipment.

1123 - URS begins collection of surface soil samples:

Site	Sample ID	Time Collected	Bottles Collected
Offsite	SS-1	1127	4
Offsite	SS-2	1134	4
SB5	SB5 0-0.5	1145	4
SB4	SB4 0-0.5	1150	4
SB7	SB7 0-0.5	1155	4
SB3	SB3 0-0.5	12:00	4
SB2	SB2 0-0.5	1205	4
SB1	SB1 0-0.5	1210	4
SB6	SB6 0-0.5	1315	4
RR	SS-3	1322	4
Center	SS-4	1332	4
East	SS-5	1345	4

Location Ballston Spa, ny Date 5/22/13

Project / Client NYSDEC - Old Agway



1230 - STB changes one worker and decontaminates equipment.

1300 - URS continues to collect surface samples. STB and URS Buffalo attempt to drill and place MW-5 offsite.

1430 - URS ~~cot~~ packages 2 coolers for fedex pick up. STB is unable to complete MW5 placement. Thunderstorms hit the site and activity stops.

Location Ballston Spa, NY Date 5/22/13

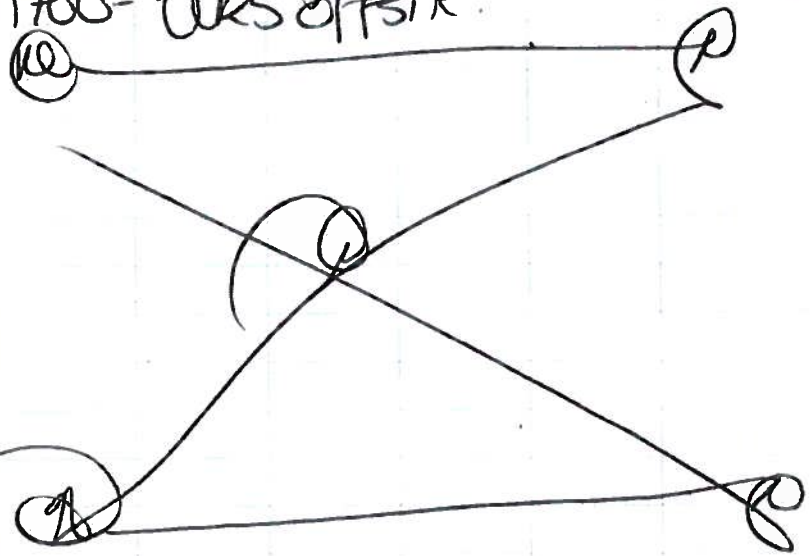
Project / Client NYSDEC - Old Agway

1500 - URS calls fedex for a pickup of samples. URS reads over SOW to determine amount of MS/MSD samples needed.

1600 - Justin King from URS arrives to get familiar with the site.

1630 - Fedex picks up sample coolers. URS discusses plan for Thursday/Friday.

1700 - URS offsite.



Location Ballston Spa, NY Date 5/23/13

Project / Client NYSDEC - Old Agway

0800 - URS onsite to begin collection of MS/MSD and duplicates. SJB is onsite attempting to drill MW5.

0850 - URS collects all MS/MSD/Dups onsite and sets up offsite to collect Hand Auger (HA) samples:

Sample ID	Time	Bottles	Depth
HA-3 (1-1.5)	0900	4	1-1.5ft
HA-4 (1-1.5)	1005	4	1-1.5ft
HA-5 (1-1.5)	1050	4	1-1.5ft
HA3MS	0900	4	1-1.5ft
HA3 MSD	0900	4	1-1.5ft
HA3DUP	0900	4	1-1.5ft.

PID reads 0.2ppm at HA3
URS took readings on HA-3 Dup; PID reads 9.7ppm.

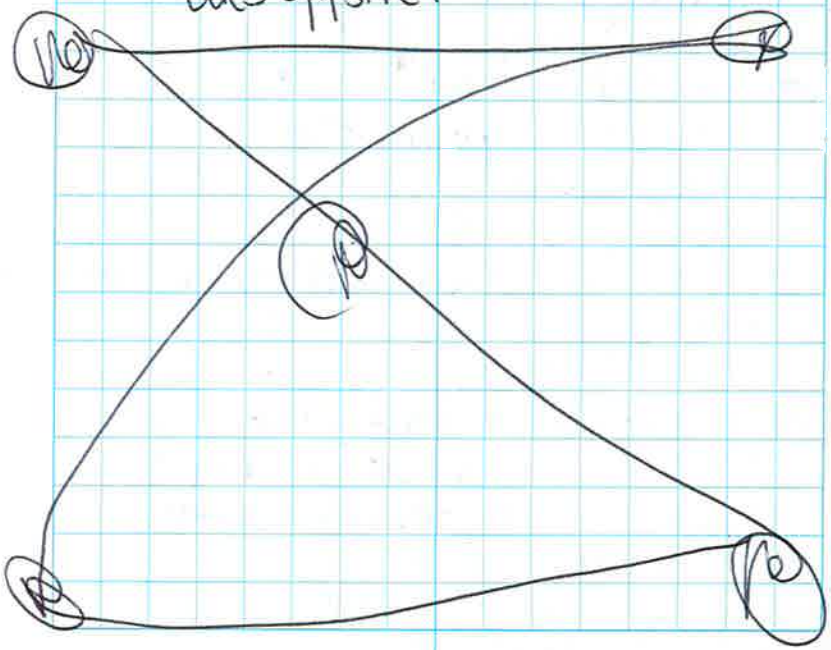
HA-3 (3-3.5)	0931	4	3-3.5ft
HA-4 (3.35)	1020	4	3-3.5ft
HA-5 3-35	1115	4	3-3.5ft

Location Ballston Spa, NY Date 5/23/13
Project / Client NYSDEC - Old Agway

1015 - URS hand augers HA4. Soil is dark, hard, and charred at 2.5 - 3ft. PID reads 0.0ppm.
1040 - URS digs/hand augers HA-5.
1050 - URS collects HA5 1-1.5ft.
1100 - URS hand augers 3-3.5ft. PID reads 0.0ppm.
1115 - URS collects HA5 3-3.5ft.
1200 - STB completes MW5 and URS packages samples.
1230 - STB offsite.
1300 - URS collects rinse blanks and samples from aqueous drum waste.
1430 - URS stations at MW4 to begin surging / development.
1511 - MW2 is 15ft. Depth to water is 6.40ft.

Location Ballston Spa, NY Date 5/23/13
Project / Client NYSDEC - Old Agway

1600 - URS continues to bail and moves to MW3. URS pulls 25 gallons of water out of MW3 and records readings/parameters on well development logs.
1645 - URS closes up MW3. The weather is producing heavy rains.
1715 - URS cleans up for the day. URS offsite.



Location Ballston Spa, NY Date 5/24/13

Project / Client NYSDEC - Old Agway

0750- URS onsite

0815- URS moves to MW4 to begin bailing and parameter readings. Initial DTW is 3.56ft.

0922- Ending DTW on MW4 is 4.10ft. URS moves to MW5 to begin surging and reading parameters. Initial DTW is 10.67ft.

1000- URS surges/surges MW5 & MW6 daily.

1045- URS returns to MW4 to bail more.

1130- URS completes bailing/well development for the day. Justin King of URS will continue well development and low flow sampling on 5/28/13.

1200- URS waits for fedex and Jim Vincent of STB to deliver bottleware and drums.

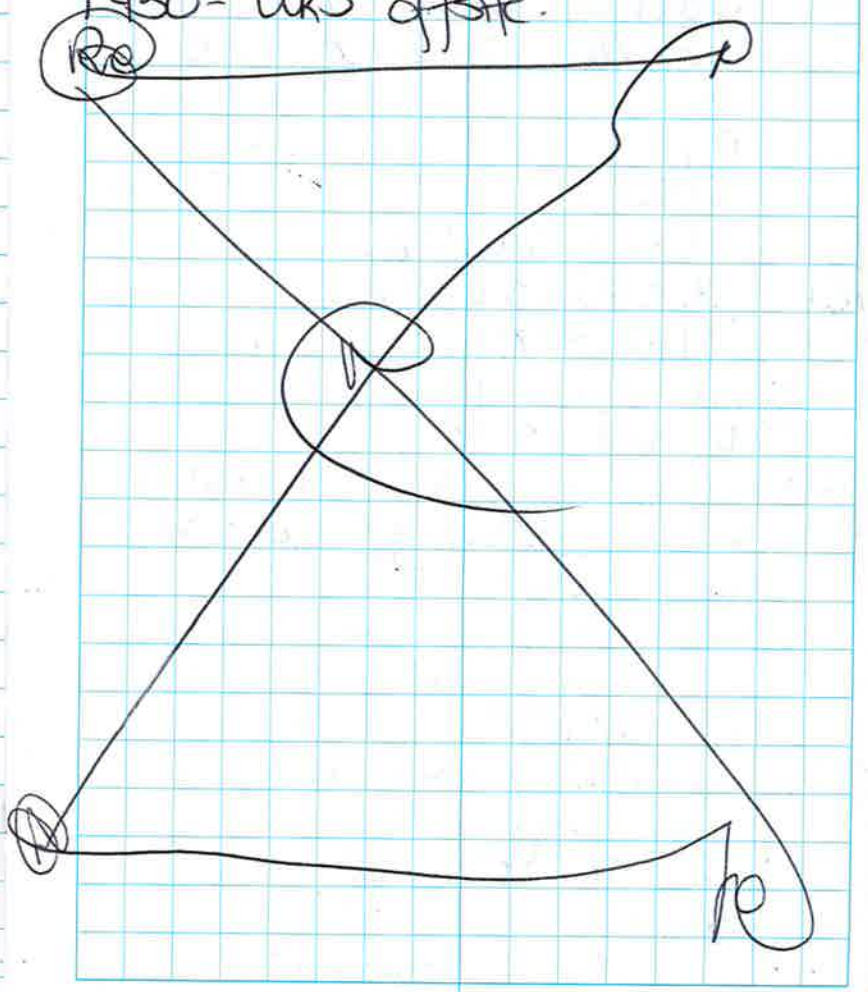
1338- Fedex delivers 5 coolers of bottleware.

Location Ballston Spa, NY Date 5/24/13

Project / Client NYSDEC - Old Agway

1400- STB delivers 3 empty drums.

1430- URS offsite.



Location Ballston Spa, NY Date 5/28/13

Project / Client NYSDEC - Old Agway

Clady ~60°F pg. 1

0800 - URS arrives on site, for
- review H+S/SOW
- prep for slug testing

0830 - set up on MW-2.
- slug = 1" x 24" Sch 40 PVC

Well	Initial DTB	DTW	Comments
MW-2	14.58	5.92	2" dia
MW-3	14.71	5.64	2" dia
MW-1	14.79	2.13	2" dia
MW-4	14.31	3.70	2" dia
MW-5	14.01	2.53	2" dia
MW-6	13.90	4.98	2" dia

0915 - Start slug testing on MW-2
1045 - Finish slug testing on MW-2
- decon equip.
- move to MW-3 location
1052 - set up on MW-3
1055 - start slug testing MW3
1125 - finish slug testing MW3
- decon equip
1130 - move to MW1 location
1155 - start slug test on MW1
- due to slow conductivity,

Location Ballston Spa, NY Date 5/28/13

Project / Client NYSDEC - Old Agway

Clady ~60°F pg. 2

only complete 1 round of rising/falling tests. Time permitting, after MW 4, 5, 6 tests, will revisit MW1
1315 - finish slug test on MW-1
- decon equip.
- move to MW-4 location
1325 - set up on MW-4
1330 - start slug testing MW4
1400 - finish slug testing MW4 location
- decon equip
- move to MW5 location
1425 - start slug testing MW-5
1500 - call George + inform of slow conductivity
- speak w/ Mike + Chuck, say it's ok to complete 1 test on slow recharging wells.
1540 - during RH MW5 test, strong gust moves bucket + Level Logger cable, drops a little
- view data, curve shows anomaly
initial RH curve shows very slow recharge

Location Ballston Spa, NY Date 5/28/13

Project / Client NYSDEC-Old Agway

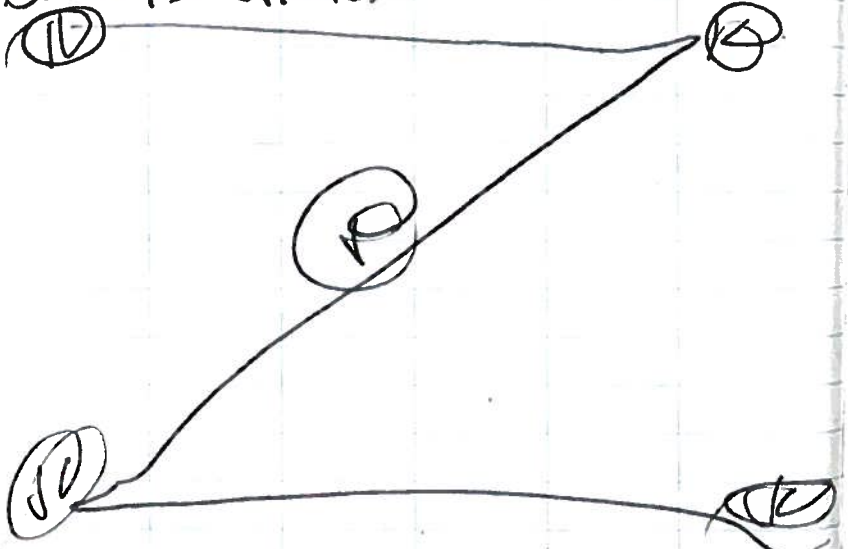
Cloudy ~60°F pg. 3

- abandon test due to lack of time during rest of day.
- Move to MW6 location
- decon equip.

1605 - initiate MW6 slug testing
- run 3 RH/FH tests ~~to~~ use due to unsteady recovery curves.

1510 - Finish MW6 slug testing
- decon equip + pack up vehicle
- close/lock shed for overnight.

1530 - UFS offsite.



Location Ballston Spa, NY Date 5/30/13

Project / Client NYSDEC-Old Agway

Clear ~80°F pg. 1

0800 - URS arrives onsite
- review HASP/SOW

0815 - manage equip + gather equip/supplies needed for well development.
- use: Whale pump (1" dia)
  3/4" ID tubing
  buckets
  Alconox rinse
  Horiba multimeter
  water level meter.
  Marine battery.

0840 - set up on MW1

0910 - purge MW1 dry after 8 gal
- decon equip + move work zone to MW5

0930 - set up on MW5

1010 - purge MW5 after 9 gal
- decon equip + transport water to site

1025 - set up on MW6

1050 - purge MW6 dry after 6 gal. Not enough head in well for pump.
- decon equip + transport water

Location Ballston Spa, NY Date 5/30/13

Project / Client NYSDEC-Old Agway

Clear ~80°F pg. 2

to site
1105-set up on MW-2
1240-Finish pumping MW-2
-no signs of clearing after 40 gal purge.
-decon equip + bring purge water to job trailer
1300-break.
1310-re set up on MW 1
-purge until dry = 8 gals
1340-break down work zone
-decon equip + close up MW1 for day.
-bring purge water to job trailer
1355-set up on MW-5
-gauge water at 10.12'
~~10.28~~ 10.25' of recovery in 4.5 hrs
~2'
-not enough recovery for pumping.
-move to MW-6 location
1405-set up on MW-6 location.
-gauge water at ~~12.52~~ 8.01'
Purge 3 gal, until dry

Location Ballston Spa, NY Date 5/30/13

Project / Client NYSDEC-Old Agway

Clear ~90°F pg. 3

-decon equip + close up MW6 for day.
-bring purge water to drums located at job trailer.
-move to MW 3 location.
1435-Leave VM w/ G. Kisluk of ORS Buffalo re days activities
1440-break
1450-set up on MW-3
1500-G. Kisluk calls back, says he needs measurements for SS-6 location.
SS-6 = from Galway (S) - 122'
From W retaining wall. - 100'
1615-Call G. Kisluk w/ measurements
-inform of day's activities
1545-receive call from C Bissell
-talk about days activities
-says to perform slug test on MW5 first in morning, leave it then purge MW4. Slug test MW4 afterwards.

Location Ballston Spa, NY Date 5/30/13

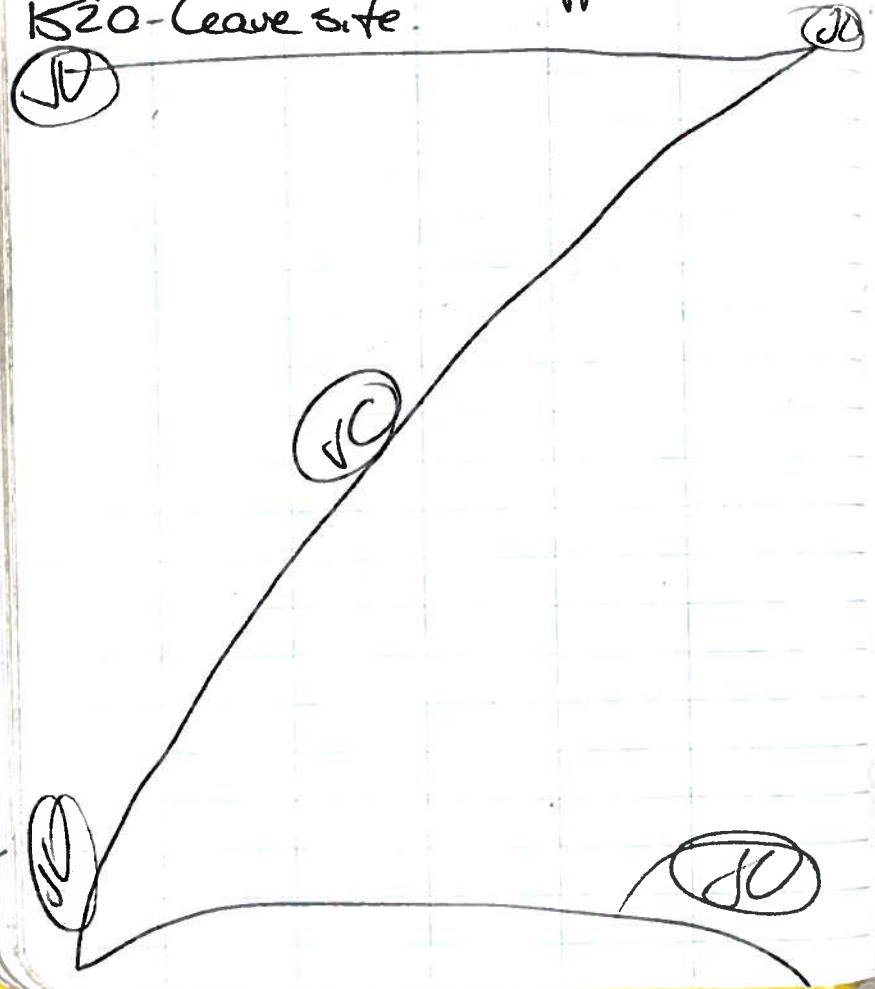
Project / Client NYSDEC-Old Agway

Clear ~90°F pg. 4

1620- purge 15 gal from MW3
- turbid at first, then clears after ½ gal.

1650- clean site and supplies.

1520- Leave site.



Location Ballston Spa, NY Date 5/31/13

Project / Client NYSDEC-Old Agway

Clear ~90°F pg. 1

~~AJT~~ 0750- Arrive offsite at MW-5 location.
- review H+S/SOW

0800- Gauge MW-5
DTW = 6.45', still not at static water level previously seen of 2.5'

0810- Move to MW-6 location

0815- gauge MW-6
DTW = 5.68', static water level

0820- Call + speak w/ G. Kisiock re water levels of MW-5 + MW-6.
- Says not to perform slug test on MW-5, not enough recovery.
- perform slug test on MW-6
- pump both wells today.

0830- begin setting up slug test equip on MW-6
- start testing.

0915- disconnect from level logger + move to MW-5 location for pumping.

Location Ballston Spa, NY Date 5/31/13

Project / Client NYSDEC-Old Agway

Clear ~ 90F pg. 2

0935 - start purging MW5
- remove 5 gal until dry

0945 - return to site to decon equip + drum purge water
collect supplies for MW4 pumping

1010 - return to MW6 to check slug test status.

1015 - download results
- curve does not look correct.
- Call George re above, placed on call w/ Kevin. Explain results, doesn't know why it is doing that. Proceed w/ falling head test.

1030 - start RH MW6 test

1105 - disconnect from MW6
- move to MW4 location for well development.

1120 - start development on MW4.
- purge 20 gal + stop.
- turb appears about 1/2 gal after surging

Location Ballston Spa, NY Date 5/31/13

Project / Client NYSDEC-Old Agway

~ 90F / Clear pg. 3

- multimeter parameters stabalized

1140 - transport equip + purge water to site.
- decon equip + drum purge water.

1200 - return to MW6 to check RH test.

1245 - stop RH slug test
- prep area for MW6 development.

1315 - finish pumping MW6
- purge 6 gal until dry

1320 - clean work zone + close MW6 for day
- decon pump + transport purge water to site.

1400 - set up on MW1.

1430 - purge 8 gal to dry in MW1 lightly turbid by end of purge

1440 - clean equip + decon equip
- close MW1 for day

1500 - place purge water into drums located in job trailer.

Location Ballston Spa, NY Date 5/31/13

Project / Client NYSDEC-Old Agway

Clear ~ 80°F

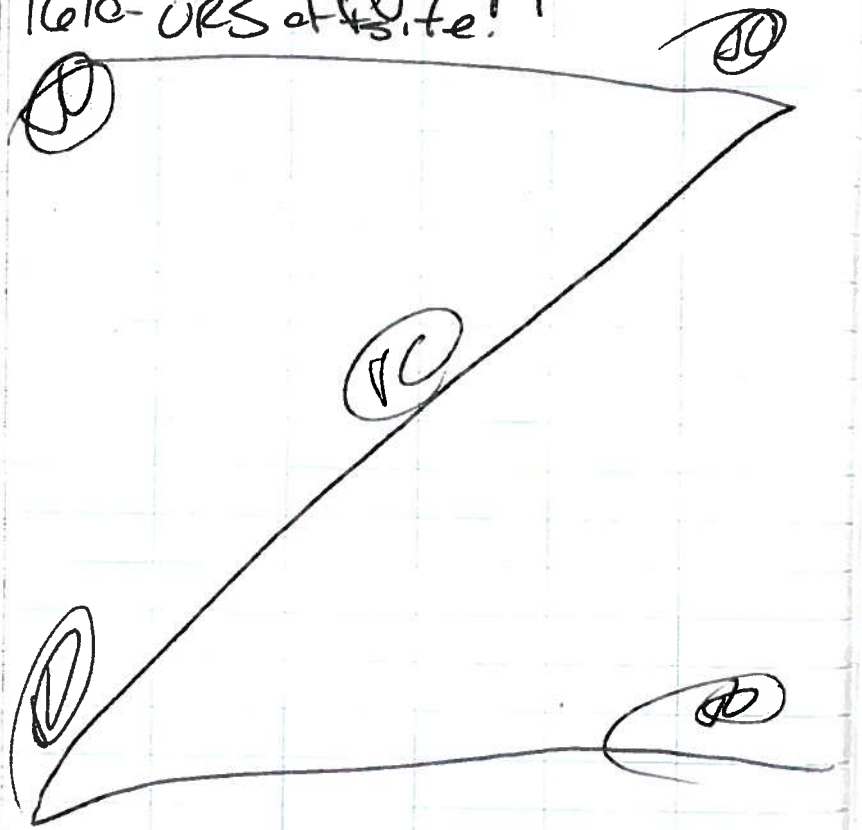
pg 4

- decon/rinse all buckets
  - remove all stock on sediment, place into purge water drums

1520 - organize job trailer
- remove equipment

1545 - write up job paperwork

1610 - URS offsite.



Location Ballston Spa, NY Date 6/5/13

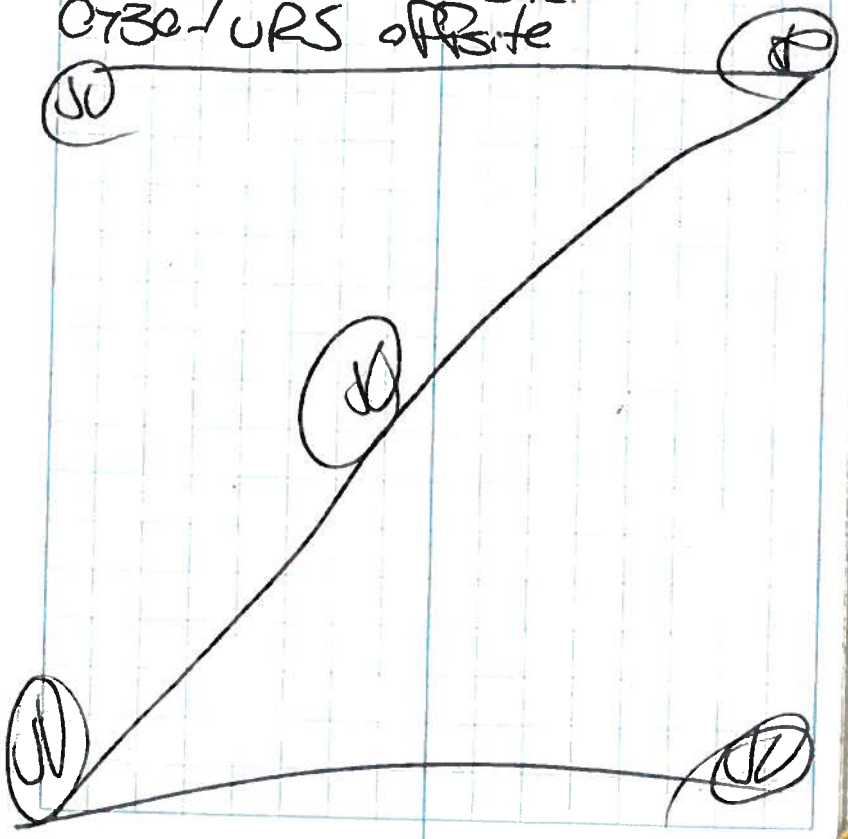
Project / Client NYSDEC-Old Agway

~ Clear ~ 65°F

0655 - URS arrives onsite
- review HASP/SOW

0710 - mark N side of casing for MW-1 through MW-6
- use sharpie marker
- marks for surveyors when they arrive onsite

0730 - URS offsite



62

Location Ballston Spa, NY Date 6/6/13

Project / Client NYSDEC - Old Agway

Cloudy ~ 60°F pg. 1

0600 - URS arrives onsite
- review HASP/JSA's
0610 - arrange equip + necessary bottleware
0650 - set up on MW-1
0700 - start purging MW-1
0745 - finish purging
0750 - start sampling MW-1
0830 - set up on MW-5
0840 - start purging MW-5
0930 - start sampling MW-5
1005 - set up on MW-6
1010 - start purging MW6
1050 - start sampling MW6
1120 - break/manage coolers + samples for shipment
1225 - set up on MW4
1237 - start purging MW4
1312 - start sampling MW4
- collect MS0606 2013 : 1312
MSD0606 2013 : 1312
DUP 0606 2013 : 1130
1445 - Finish collecting samples
- clean up area

63

Location Ballston Spa, NY Date 6/6/13

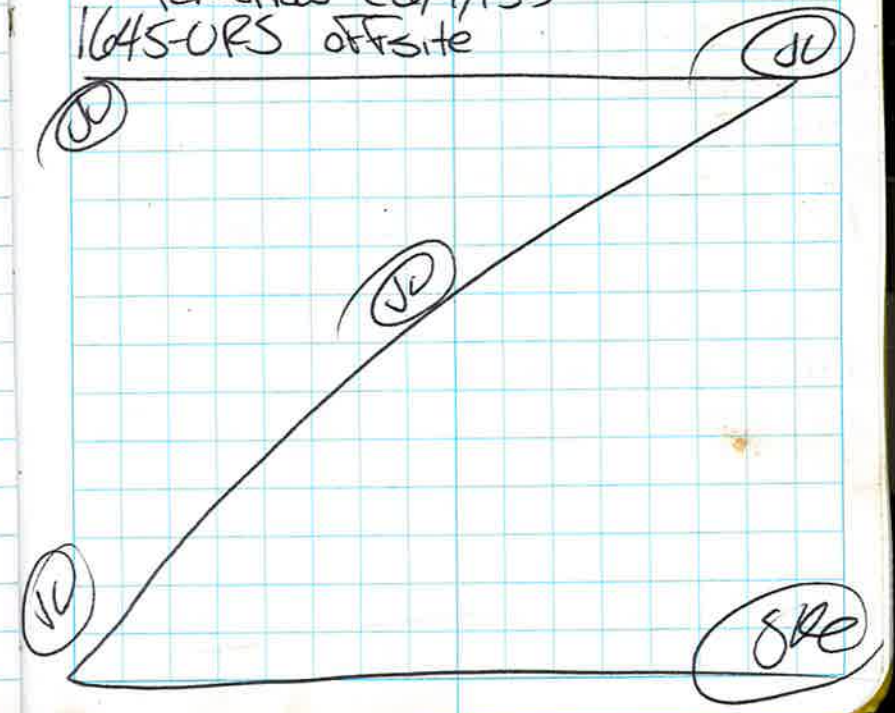
Project / Client NYSDEC - Old Agway

Cloudy ~ 74° pg. 2

1500 - mob to site + prep coolers for shipment
1630 - Fedex arrives onsite
- takes 4 coolers containing

MW-1	MS0606 2013
MW-4	MSD0606 2013
MW-5	DUP 0606 2013
MW-6	

- plan to sample MW-2 + MW-3 tomorrow (6/7/13)
1645 - URS offsite



64

Location Ballston Spa, NY Date 6/7/13

Project / Client NYSDEC-Old Agway

Rain ~55°F

0710-URS Arrives onsite (JKing)
Review HASP/SAP
-due to rain, need to set up canopy for low flow sampling
0725-manage bottleware/equipment + erect canopy over MW-2
0750-set up on MW-2
0805-start purging MW-2
0840-start sampling MW-2
0915-finish sampling MW-2
-manage samples + equip
0940-set up on MW-3
0950-start purging MW-3
1020-start sampling MW-3
1055-Finish sampling MW-3
-clean up area + pack up car.
1140-URS offsite



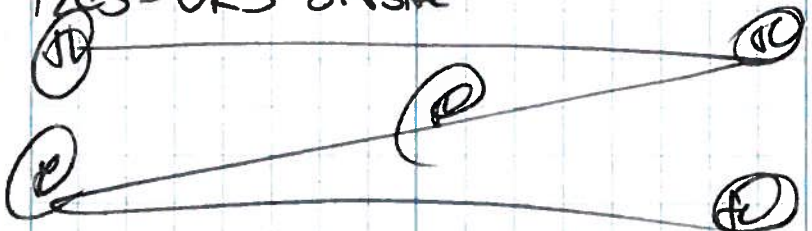
65

Location Ballston Spa, NY Date 6/13/13

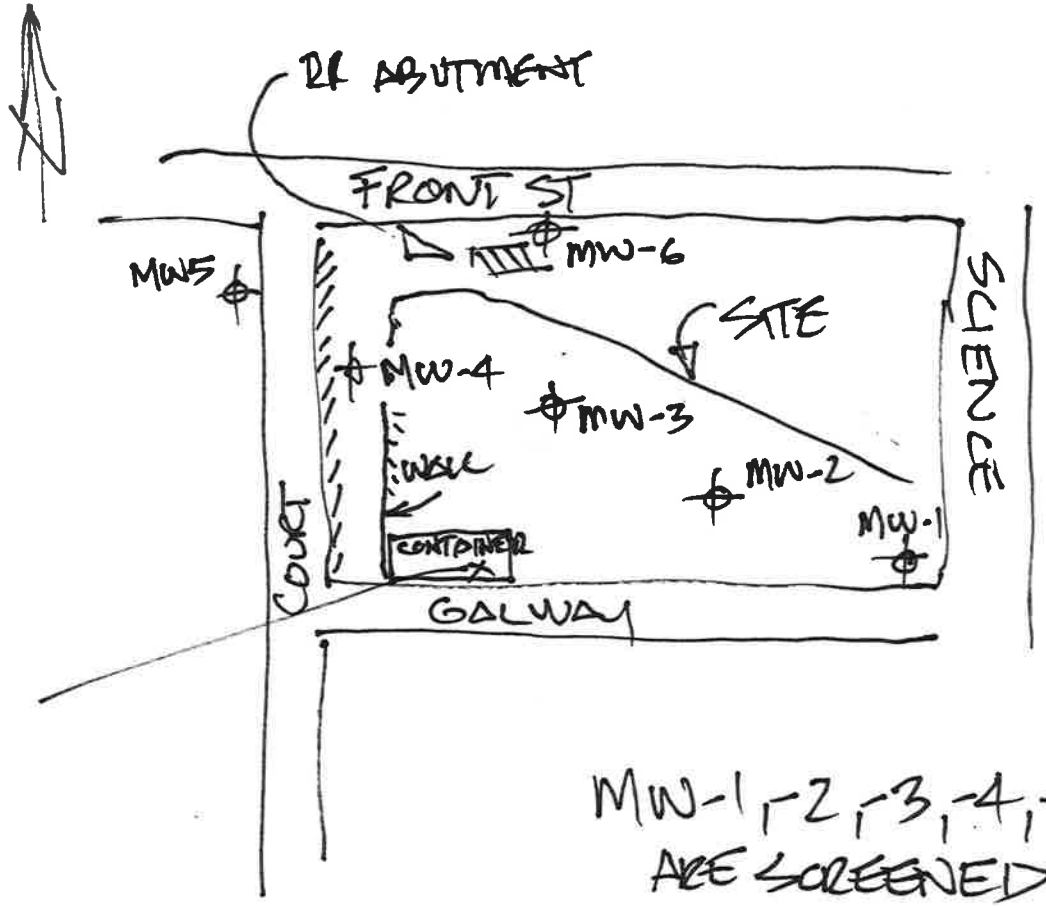
Project / Client NYSDEC-Old Agway

Rain ~55°F

1030-Receive call from Environmental Services Group (ESG), says he is waiting offsite + trying to find site.
-tell him to wait, I will meet him where he is + escort him to site.
1045-meet ESG offsite + drive to site.
1050-Arrive onsite w/ ESG.
1055-Starts loading drums onto box truck
- 6 Drums Soil
- 8 Drums Water >15
- 1 Drum PPE/Garbage total
1145-Finish loading drums
-packs into place on truck
1200-ESG offsite
1205-URS offsite



OLD AGWAY SITE MAP



YOU ARE HERE

MW-1, -2, -3, -4, -5 ARE SCREENED FROM 5'-15'

MW-6 IS SCREENED FROM 4'-14'

MW-5 MAY BE DRY

APPENDIX D-2
URS FIELD NOTES
RI PHASE II

Location Old Agway Site Date 4/28/14

Project / Client Phase II - 55°F Sunny

4/27/14. C. Duvel travel to Ballston Spa - hotel late afternoon arrive @ hotel 11:00 pm ish

4/28/14 CD on site ~8:00am

M/g w/ JIM V. & JH. reviewed SOW - site personel

Tom Ferrel. driller - STB

Jason. driller h - STB

Jim Vicent STB Manager

John Hilton - URS 401-451G - cell

David Gardner - DEC, PM

Chuck Duvel URS PM

M/g w/ David G/ John H.

We will "twin" SB 04 and install MW-08 w/o logging hole since we already have soil data/ logging info from last boring - event

Stone Industries delivered Portable approx 8:15

A Verdi Container delivered storage unit ~ 10.45.

DG/ CD met homeowner to discuss hand Augur SOW we need in person signed access agreement - she had

Location Ballston Spa Date 4/28/14

Project / Client OLD AGWAY SITE
NYSDEC

no questions - the yard is currently under construction due to new addition being built on the East side of the existing home - used & protect small maple tree Kathleen Coleman - home owner

DG/CD/GK received data from MW2
Will move well location
11:30 ish completed MW-08

DG/CD Broke for lunch

Nathan - DOH on site. DG/CD gave DOH site tour -
Nathan will research if any historical data exists from the sprung -
If it is decided to sample spring URS can collect sample.

2nd MW installed -

Location Date

Project / Client

8:10 on site
8:30 prepare / get gear and move to residence on Walnut 69 between concrete wall and house
hand auger pt. 11 -
@ ± 6" below grade hit 4" PVC pipe moved 2" south
bt ± 4'6" hit filter fabric -
the next 1-1.5' feet (total 30") hit all gravel - #6.2 stone -
pulled manhole cover and clean out cover. (see photo)
poked around N clean out and flow noticed into manhole large amount of Iron sludge built up in manhole -
slight sheen on H2O in clean out pipe
No PID readings -
eventually pipe will need to be cleaned out -

16

Location Ballston Spa Date 4/28/14 M.D.J

Project / Client Old Agway / NYSDEC

11176892.00003

Contact Info:

Chuck Durel – (716) 353-3016 cell

George Kisluk – 923-0329 office
341-0800 cell

DEC David Gardner (518) 402-7818

SJB Jim Vincent (518) 899-7491

Tom Farrell (518) 339-0929

Price Analytical (631) 619-3040 x107/212

0700 JPH arrives on site
weather - clear, sunny 50-65°
- prep jars & equipment

0805 - SJB personnel arrive on-site, donned drilling equipment

0835 Durel on site

0850 DEC on-site, conduct site walkover to identify proposed sampling locations

0930 Due to overhead and underground utility issues, moved 2 monitoring well locations proposed on west side of Agway site

1015 Started drilling ops @ proposed well MW-8

17

Location Date

Project / Client

- discussed proposed sampling and well installation @ MW-8 location. Based on previous sample and analytical data, DEC rep. Dave Gardner agreed that no sampling would be required at the MW-8 location. Boring will be advanced to 15'-16' and well installed.

11:00 Completed borehole advancement started well installation & construction.

11:30 Completed well construction - drillers mobilized to alternate well location MW-7, moved per request from DEC.
Well location moved to address potential offsite (upgradient) source emanating from plant shop.

12:30 Drillers break for lunch prep to start drilling ops @ MW-7

12:35 Dave (DEC) & Chuck (URS) off site to lunch
- Nathan Freeman (NYSDOH)

Location _____ Date MON 4/28/14

Project / Client _____

on site
- Started drilling & sampling ops @ MW-7
- sampled / advanced augers to TD @ 16' bgs

14:00 Completed borehole advancement to 16'
- started well installation

14:25 Completed well construction drillers demob from MW-7 prep to decon equipment then mobilize to MW-9

Notes:
Collected blind duplicate soil sample @ 14-16 interval. Identified as MW-7 (Dupl 1) time as 09:00

15:00 - 15:45 Drillers decon all drilling equipment & SWS tooling subsequent to constructing decon pad

16:00 - 16:30 Drillers prep to mobilize rig to next proposed well @ MW-9
- H_2O level @ 5.42' BTOR @ MW-8

Location _____ Date MON 4/28/14

Project / Client _____

16:50 Drillers depart Agway site

17:20 ARS (Dusel & Hilton) depart Agway site

4/28

Sam P. Hilton

20

Location Old Agway Date 4/29/14

Project / Client NYSDEC

0700 Arrive Agway site, prep equipment to drill and sample well locations MW-9, MW-10

- weather: overcast 45-60°; Lt wind < 5 mph

0720 SJB drillers: Tom Farrell, Jasson Langdon

Arrive on-site

- prep to begin drilling ops @ MW-9
- prepared paperwork, bagged ice

0750 conducted tailgate safety mtg

0815 Started drilling & sampling ops

0825 Chuck Dusel arrives on site

0855 Dave Gardner (DEC) on site

- Chuck to start sample collection & hand Auger borings

0910 Collected soil duplicate sample MW-9 Dupl 1 (Blind duplicate) 4 mEAS 0900

Location Ballston Spa Date 4/29/14

21

Project / Client Old Agway / DEC

0930 Completed borehole advancement to 16' bgs

- started well installation see well construction log(s)

10:05 Completed well installation prep to mobilize to proposed well location MW-10

10:45 Mobilized drilling equip. to MW-10 location

11:00 Started drilling & sampling ops to advance 4¼" HSA @ MW-10

- Advanced Augers to TD @ approx 9.5' bgs, Auger refusal @ Assumed bedrock top

12:00 Prep to install well MW-10

12:20 Completed well installation (Using flush-mount roadbox)

- Modified well construction details due to shallow bedrock top.

well construction details are shown on page 22

Location Ballston Spa Date 4/29/14

Project / Client Old Agway / NYSDEC

Modified well construction MW-10
0.0-1.0 roadbox w/ cement
1.0-2.0 bentonite chips
2.0-9.5 Primary SANDPACK
0.0-4.0 - 2" sch 40 PVC riser
4.0-9.0 - 2" sch 40 PVC screen
- driller demobe from MW-10 location to decon AREA

12:40 Drillers to lunch, JPH collects Equipment duplicate for drilling tools (split spoon)

13:30 Completed collecting sample Equip BLK-2 taken from 2" split-spoon

15:00 Completed sampling @ HA-6

15:15 Met w/ Pace Analytical courier transferred All soil samples collected from monitoring wells
- MW-7, MW-8, MW-9 & MW-10
- Equipment blanks #1 & 2

15:20 Started sampling @ HA-7 location
- collected samples as shown below:

Location Ballston Spa Date 4/29/14

Project / Client Old Agway / NYSDEC

HA-7s (0-2")
HA-7 (0-2')
HA-Dupl 1 collected @ 0-2' interval
HA-7 (2-4')
HA-Dupl 2 collected @ 2-4' interval
- difficulty sampling 2-4' interval due to crs gravel component
- Saturated conditions noted < 0.5' bgs

16:20 Completed soil sampling at HA-7
- restored site to previous condition

16:50 Drillers complete equipment decon & prep to demobe tomorrow

17:30 JPH departs site

4/29

Robin P. Hilton

Location Ballston Spa Date 4/30/14

Project / Client Old Agway / NYSDEC

0715 Arrive on site
weather: overcast, rain showers, light winds < 5 mph

0730 Drillers on site, pick up all equipment
- load CME-550 onto low-boy
- paperwork

0840 Drillers depart / demobilize from Agway site
- spent morning repackaging & rewriting chains (c-o-c) and labeling all hand augered samples & paperwork
- Notified Pace Analytical & arranged for courier pick up @ approx 3-4 PM

12:45 Prep to begin well development @ newly installed monitoring wells

12:50 Started well development @ MW-7 (see development sheet for data)
H_2O level @ 4.1' BTOR
- used whale pump (1" dia), pumped 10.5 gal, well purged "dry"

Location Ballston Spa Date 4/30/14

Project / Client Old Agway / NYSDEC

14:45 Moved to MW-8 to begin development activity

15:30 Pace courier on site, pick up soil samples

- continued development @ MW-8 currently making H_2O, purged 20 gal

16:10 Purged total of 40 gal @ MW-8 water recharges readily to approx 6.0' bgs
- unable to draw water level down to "dry" condition when using whale pump
- development completed w/ turbidity @ < 10 NTU

16:15 - 17:00 continued development at MW-7
- purged add'l 6 gal (16 Total) well again purged to "dryness"

1715: JPH departs site

4/30

John P. Hilton

Location Ballston Spa Date 5/1/14

Project / Client Old Agway / NYSDEC

0730 Arrive Agway site
weather: overcast 45°-65°, lt winds < 5 mph
intermittent showers
- prep to continue well development @ monitoring wells MW-7, MW-8 and MW-10
- development will be performed using a 1" dia. whale pump

0905- 0900 purged add'l 6 gal (25 Total) from MW-8, Well purged to "dryness" Well recharge is moderate

0915 Moved to MW-9 to start development process

10:35 Completed well development @ MW-9.
- Purged total of 45 gal
- Moved back to MW-7 to continue purging ops

11:05 Purged add'l 0 gal @ MW-7 total now @ 30 gal removed turbidity remain at >800 NTU

11:45 Moved to MW-10 to start well development
- roadbox filled w/ water (due to

Location Ballston Spa Date 5/1/14

Project / Client Old Agway / NYSDEC

rain event yesterday.

12:00 started development Activities @ MW-10 (see development data sheet)
- roadbox annulus filled w/ water, bailed high pH water out of annulus prior to opening well casing

12:20 - 13:00 Purged 5 gal. of water from MW-10
- well purged to "dry" condition after pumping 4 gal.
- well recharge slow

14:00 Purged MW-10 to "dry" cond. (8 gallons purged at this time) Note: 8 gallons total volume purged so far

13:20 Moved development activity back to MW-7 to continue well development

15:00 Purged add'l 10 gal (40 total) from MW-7
- Well purged to "dryness"
- Moved back to MW-10

Location Ballston Spa Date 5/1/14

Project / Client Old Agway / NYSDEC

15:15 Continued purging ops @ MW-10
- purged add'l 2 gal (10 total) well purged "dry". Very slow recharge

17:05 Suspended well development activity @ MW-10
- moved back to MW-7 to continue purging ops

17:15 Purged add'l 7 gal (now 47 total) turbidity remains >1000 NTU

17:45 Suspended well development activity for today
- Depart Agway Site

5/1

Kathleen P. Holton

Location Ballston Spa Date 5/2/14

Project / Client Old Agway / NYSDEC

0715 Arrived Old Agway site, weather: clear, cool, 50-60°, lt winds < 5 mph
- prep to continue/complete well development activities @ MW-7, MW-10 & MW-8

07:30 - 0820 Continued well development @ MW-7
- purged add'l 10 gallons. Total volume of water purged is 57 gal. NTU remained >1000.

0820 Moved to monitoring well MW-8, set pump at top of water table (≈ 6.5' bgs) to facilitate purging water column from the top. Pump was previously set on the bottom of the well.
- purged add'l 10 gallons.
- Total volume purged from MW-8 is 50 gallons
- Unable to draw water level down below 6.4' BTOR

Location Ballston Spa Date 5/1

Project / Client Old Agway / NYSDEC

Site Map

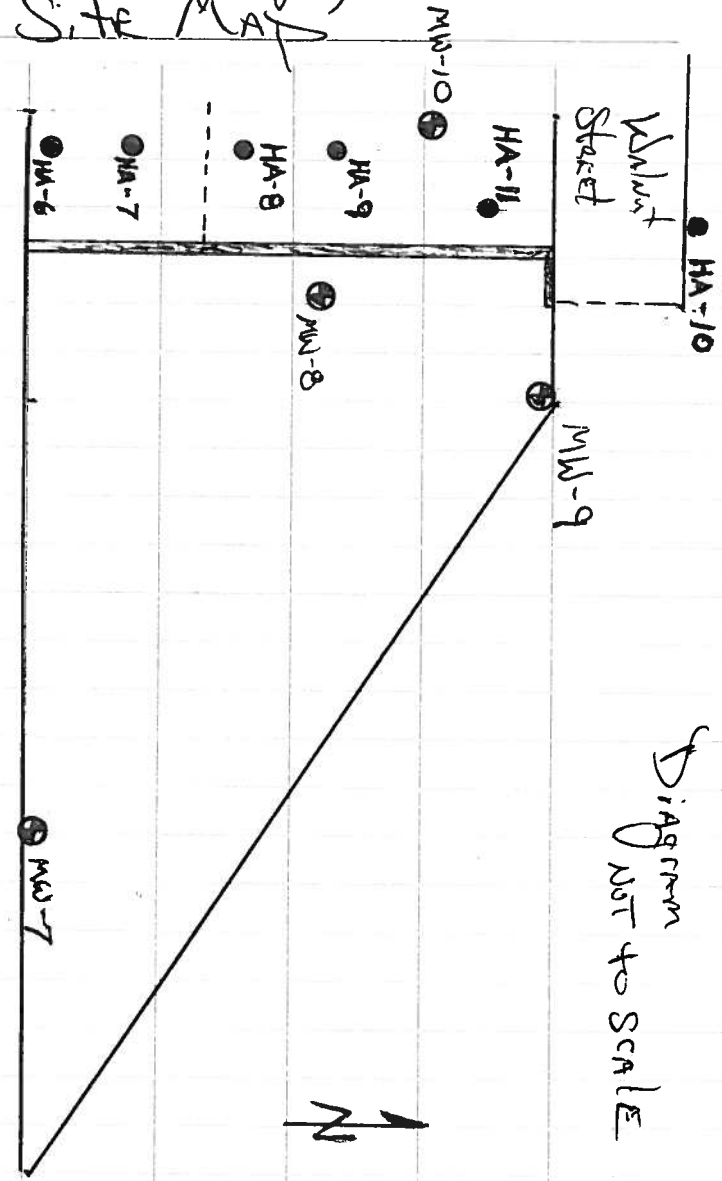


Diagram not to scale

Location Ballston Spa Date 5/2/14

Project / Client Old Agway / NYSDEC

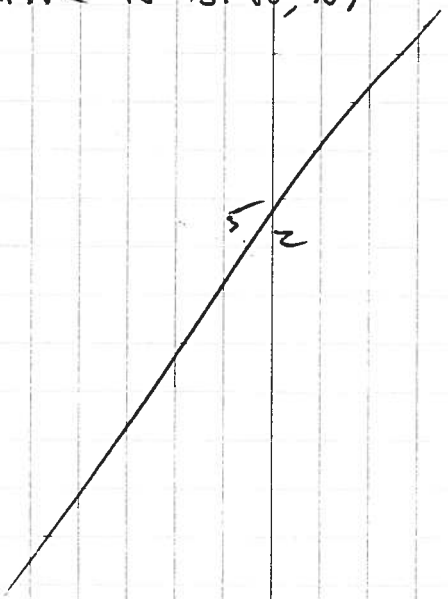
0850 Moved to well MW-10 to continue well development activity

0945 Completed purging ops @ MW-10, total of 17 gal purged.

- slow recharge

10:15 Packed equipment, depart Agway site

- drive to BRlo, NY



Tisha P. Miller

Location: Old Agway Date: 5/6/14

Project / Client: Ballston SPA

T. URBAN - URS Corp.

0630 - leave Buffalo, NY

0915 - pick up equipment at Pine Environmental - Syracuse, NY

1130: onsite & unload coolers in storage container.

1200 - begin water levels

ID	Time	DTW	PPM PID
MW-01	12:01	2.82	0.0
MW-07	12:05	4.00	1.2
MW-02	12:09	4.91	1.4
MW-08	12:13	5.97	4.4
MW-03	12:18	5.25	0.0
MW-09	12:21	5.60	0.0
MW-10	12:25	0.86	0.0
MW-04	12:29	3.63	0.0
MW-05	12:32	2.98	0.0
MW-06	12:36	4.72	0.0

1330 - begin pumping MW-01

1420 - sample MW-01

1525 - begin purge MW-05

1615 - sample MW-05

1710 - begin purge MW-06

1750 - Sample MW-06

1815 - get ice for samples.

Location Old Agway Date 5/7/14

Project / Client Ballston SPA

T. Urban - URS Corp.

0630 - onsite
0650 - begin purge on MW-07
0725 - Sample MW-07
0814 - begin purge on MW-10
0849 - Sample MW-10
0940 - Sample Leachate + 20140507-FD-1
1030 - begin purge on MW-04
1105 - Sample MW-04 + 20140507-FD-2 + MW-04-MS/MSD
1300 - begin purge on MW-02
1340 - Sample MW-02
1415 - begin purge on MW-03
1440 - Sample MW-03
1505 - begin purge on MW-09
1535 - Sample MW-09
1603 - begin purge on MW-08
1633 - Sample MW-08
1715 - get ice for samples.

Location Old Agway Date 5/8/14

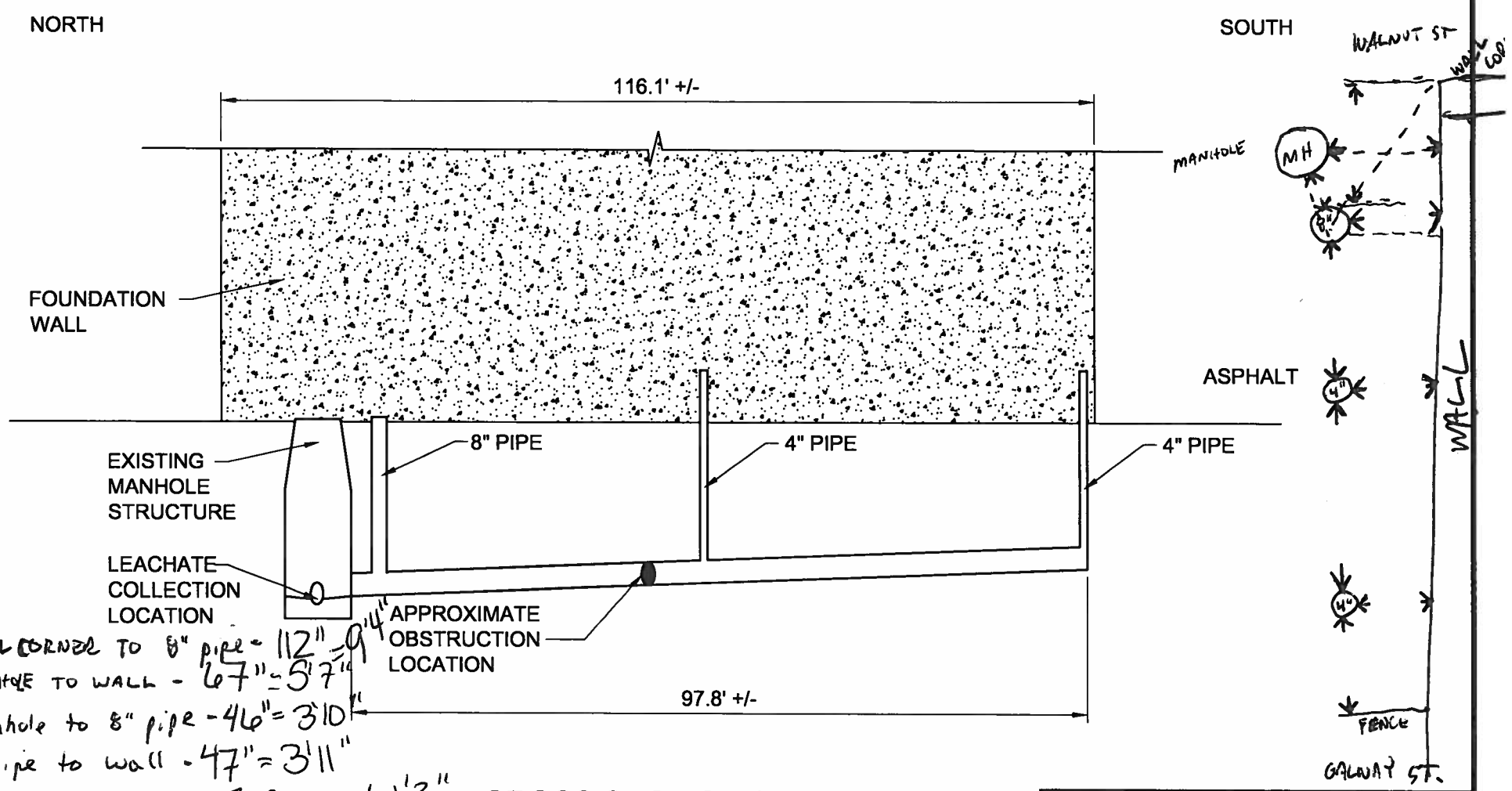
Project / Client Ballston Spa

T. Urban - URS Corp.

0800 - onsite to demobilize
1120 - lab courier arrives to pick up samples.
1122 - head to Pine Env. to drop off equipment
1330 - head to storage unit to drop off other equipment

Plotted By: blaydesb
Layout-Sheet Name: FIG-3
Plot File Date Created: Apr/19/2010 1:26 PM

Filename: L:\WORK\99161 CADD AGWAY-SITE-MAP AGWAY-SITE-MAP.DWG



WALL CORNER TO 8" pipe - 112" = 9'4"
MANHOLE TO WALL - 67" = 5'7"
Manhole to 8" pipe - 46" = 3'10"
8" pipe to wall - 47" = 3'11"
8" pipe to 4" pipe - 735 in. = 61'3"
mid 4" pipe to wall - 29" = 2'5"
mid 4" pipe to 4" pipe - 608" = 50'8"
end 4" pipe to wall - 8.5" =
end 4" pipe to fence - 73" = 6'1"

CROSS SECTION (FACING EAST)

NOT TO SCALE

AECOM

Figure 2 - Schematic Cross-section of Collection Trench

OLD AGWAY STORE - SITE 5-46-021
BALLSTON SPA, NEW YORK

FILE NAME:	DRN	PROJECT NO.	DATE	FIGURE NO.
AGWAY-SITE-MAP.dwg	—	99161	AUG. 2009	03

45 ft. 8 in. to Shed from 8" pipe = 548 in.

Left. 7 in. Shed length = 79 in.

9 ft from shed to mid 4 in. pipe = 108 in.

= 735 in.

mid 4 in to wall = 2'5" = 29 in.

mid 4 in. to branch 2'2" = 26 in. + 582 in. = 608 in.

+ Branch to ~~end~~ end 4 in. = 48" 6" = 582 in.

4 in. end to wall = 8 1/2" = 8.5 in.

4 in. end to fence = 6'1" = 73 in.

APPENDIX E

PHOTOGRAPHIC LOG

APPENDIX E-1
PHOTOGRAPHIC LOG
RI PHASE I



Photo 1: Site scoping visit, looking west at Old Agway site from Galway Street. (02/27/13).



Photo 2: Looking west at Old Agway site from Galway Street. (05/15/13).



Photo 3: Site scoping visit, looking northwest at Old Agway site from Galway Street. (02/27/13).



Photo 4: Empty barrel found on site during site scoping meeting. (02/27/13).



Photo 5: Northwestern portion of site, looking west toward Walnut Street. (02/27/13).



Photo 6: Northern section of foundation wall, looking south from Walnut Street. (02/27/13).



Photo 7: Looking north at southern end of foundation wall at Galway Street. (02/27/13).



Photo 8: Looking north, vent pipe from leachate collection system visible through fence. (02/27/13).



Photo 9: Set up for brush clearing/chipping, looking north from Galway Street. (05/13/13).



Photo 10: Looking west at portion of foundation wall after brush clearing. 24 Court Street on left side of photo. (05/13/13).



Photo 11: Looking north from western side of Old Agway site from Galway Street after brush clearing completed. (05/13/13).



Photo 12: Looking south from western side of Old Agway site after brush clearing completed. (05/13/13).



Photo 13: Looking west at foundation from Galway Street. Shed from 24 Court Street and 69 Walnut Street in background. (05/13/13).



Photo 14: Looking west at northern section of foundation after brush clearing completed. 69 Walnut Street in background. (05/13/13).



Photo 15: Looking north from western side of site after brush clearing/chipping completed. Northern portion of foundation wall visible in left background. (05/13/13).



Photo 16: Looking west. Temporary decontamination pad set-up and temporary storage unit near Galway Street. (05/14/13).



Photo 17: Downwind air monitoring station across Science Street, looking southeast. (05/13/13).



Photo 18: Downwind air monitoring station on east side of site, looking east. (05/14/13).



Photo 19: Downwind air monitoring station on south side of site, looking west. (05/15/13).



Photo 20: Downwind air monitoring station on Court Street, looking north. (05/21/13).



Photo 21: Pin flag marking hand auger location HA-02, looking north toward Walnut Street. (05/14/13).



Photo 22: Hand augering at location HA-02. (05/14/13).



Photo 23: Pin flags marking hand auger locations HA-02 in the foreground and HA-01 in the background. Vent pipe from leachate collection system in background. Looking south toward Galway Street. (05/14/13).



Photo 24: Location MW-01 mark-out prior to drilling, looking east towards Science Street. (05/13/13).



Photo 25: Drilling at location MW-01, looking north from Galway Street. (05/13/13).



Photo 26: Drilling at location MW-04, looking southeast on Court Street. (05/20/13).



Photo 27: Drilling at location MW-06, looking south onto Front Street. (05/21/13).



Photo 28: Augering at location MW-01. (05/13/13).



Photo 29: Augering at location MW-02. (05/14/13).



Photo 30: Sand at location MW-02. (05/14/13).



Photo 31: Sample from location MW-03. (05/14/13).



Photo 32: Sample from location MW-03. (05/14/13).



Photo 33: Sample from location MW-03. (05/14/13).



Photo 34: Split spoon from location SB-01, 8-10 foot interval. Soil described as black and tar-like with a slight odor, PID readings were 0 ppm. (05/15/13).



Photo 35: Split spoon from location SB-01, 10-12 foot interval. Tar-like odor, PID = 0 ppm. (05/15/13).



Photo 36: Split spoon from location SB-02, 8-10 foot interval. Encountered gravel, wood and black-stained soil. (05/15/13).



Photo 37: Wet clay-like sample from location SB-02, 18-20 foot interval. (05/15/13).



Photo 38: Split spoon from location SB-03, 10-12 foot interval. 05/16/13).



Photo 39: Rock from approximately 12 feet below ground surface at location SB-03. (05/16/13).



Photo 40: Split spoon from location SB-04, 14-16 foot interval. Soil described as black and clay-like with a strong sour and tar-like odor, PID readings were 0 ppm. (05/16/13).



Photo 41: Split spoon from location MW-04. (05/20/13).



Photo 42: Monitoring well MW-01 prior to installing flush–mount protective casing. (05/13/13).



Photo 43: Monitoring well MW-01 after installing flush–mount protective casing. (05/20/13).



Photo 44: Monitoring well MW-02 prior to installing flush–mount protective casing. (05/14/13).



Photo 45: Monitoring well MW-02 after to installing flush–mount protective casing. (05/20/13).



Photo 46: Monitoring well MW-03 after to installing flush–mount protective casing. (05/20/13).



Photo 47: Monitoring well MW-04 after to installing flush–mount protective casing. (05/20/13).



Photo 48: Soil boring SB-01 after grouting. (05/15/13).



Photo 49: Soil boring SB-05 after grouting. (05/17/13).



Photo 50: Grouted borehole from first attempt to drill MW-05. (05/21/13).

APPENDIX E-2
PHOTOGRAPHIC LOG
RI PHASE II



Photo 1: Staging of temporary storage unit, looking southeast towards Galway and Science Streets. (04/28/14).



Photo 2: Drilling MW-07 on Galway Street, looking west. (04/28/14).



Photo 3: Split spoon sample from MW-07 boring. (04/28/14).



Photo 4: Location of MW-08 staked, looking northwest at Old Agway site from Galway Street. (04/28/14).



Photo 5: Setting up to drill MW-08, looking south at Old Agway site towards Galway Street. (04/28/14).



Photo 6: Setting up for drilling MW-09, looking northwest from the center of the Site. (04/29/14).



Photo 7: Setting up for drilling monitoring well MW-10, looking southeast from Walnut Street (04/29/14).



Photo 8: Monitoring well location MW-10, looking southwest from Walnut Street. (04/29/14).



Photo 9: Monitoring well location MW-10, looking west. (04/29/14).



Photo 10: Water flow from leachate collection system discharge pipe inside manhole, looking southeast. (04/29/14).



Photo 11: Standing water in leachate collection system manhole, looking southeast. (04/29/14).



Photo 12: Northern-most 8-inch vent/clean-out pipe of leachate collection system, with cover removed. (04/29/14).



Photo 13: Leachate collection system manhole, 8-inch clean-out/vent pipe and sample location HA-11. Looking south from eastern end of Walnut Street. (04/29/14).



Photo 14: Sample location HA-11. Gravel removed with hand auger down to 2 feet below ground surface. (04/29/14).



Photo 15: Sampling at location HA-09, looking south from Walnut Street. (04/29/14).



Photo 16: Sample location HA-09, looking west from top of foundation wall. (04/29/14).

APPENDIX F

SOIL BORING LOGS

URS Corporation

TEST BORING LOG

BORING NO:	SB-1
SHEET:	1 of 1
JOB NO.:	11176892.00002
BORING LOCATION:	N=1519177.33, E=665317.81
GROUND ELEVATION:	288.63
DATE STARTED:	5/15/2013
DATE FINISHED:	5/15/2013
DRILLER:	Tom Farrell
GEOLOGIST:	Tim Burmeier
REVIEWED BY:	Scott McCabe

PROJECT: Old Agway

CLIENT: New York State Department of Environmental Conservation

BORING CONTRACTOR: SJB Services, Inc.

GROUNDWATER: Encountered at 10 feet

DATE	TIME	LEVEL	TYPE

	CAS.	SAMPLER	CORE	TUBE
TYPE		Split-spoon		
DIA.		2"		
WT.		140#		
FALL		Auto 30"		
RIG:		CME-550 ATV		

DEPTH FEET	SAMPLE STRATA SYMBOL	"S" NO.	"N" NO.	BLOWS PER 6"	REC% RQD%	DESCRIPTION COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	USCS	REMARKS MOISTURE
		1	5	2 2 / 3 4	55%	Yellow Brown	Loose	Fill- Fine sand	Fill	PID=0 PPM moist
		2	7	6 4 / 3 3	70%					
5		3	3	2 1 / 2 2	65%	Brown		-trace coarse sand		
		4	25	3 3 / 22 9	60%	Black	Medium Dense	Fill- Silty gravel, trace wood at 6.5 feet some sand, thin ash layer		
10		5	11	6 6 / 5 4	75%	Medium Brown		Silty fine SAND, trace fine gravel gravel	SM	wet
		6	2	3 1 / 1 2	100%	Black	Very Loose	- trace gravel -faint petroleum odor		
		7	3	2 1 / 2 1	25%	Green Gray	Soft	Clayey SILT, trace gravel no odor	ML	
15		8	10	3 4 / 6 6	70%	Medium Gray	Stiff	-faint petroleum odor		
		9	34	7 16 / 18 22	60%	Dark Gray	Very Stiff			
20		10	41	14 20 / 21 24	60%		Stiff	Silty GRAVEL, fine to coarse	GM	
		11	24	12 16 / 8 10	50%					
		12	>50	50/4	100%			auger refusal at 22.8 feet on probable bedrock		
25										
30										
35										

COMMENTS: Advanced boring with CME-550 ATV rig equipped with 4 1/4" HSA

BORING NO. SB-1

PROJECT NO. 11176892.00002

URS Corporation

TEST BORING LOG

BORING NO:	SB-2
SHEET:	1 of 1
JOB NO.:	11176892.00002
BORING LOCATION:	N=1519210.11, E=665279.81
GROUND ELEVATION:	288.13
DATE STARTED:	5/15/2013
DATE FINISHED:	5/15/2013
DRILLER:	Tom Farrell
GEOLOGIST:	Tim Burmeier
REVIEWED BY:	Scott McCabe

PROJECT: Old Agway
CLIENT: New York State Department of Environmental Conservation
BORING CONTRACTOR: SJB Services, Inc.
GROUNDWATER: Encountered at 7 feet

DATE	TIME	LEVEL	TYPE

	CAS.	SAMPLER	CORE	TUBE
TYPE		Split-spoon		
DIA.		2"		
WT.		140#		
FALL		Auto 30"		
RIG:		CME-550 ATV		

DEPTH FEET	STRATA SYMBOL	"S" NO.	"N" NO.	BLOWS PER 6"		REC% RQD%	COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	USCS	REMARKS MOISTURE
		1	4	2	2	70%	Yellow Brown	Very Loose	Fill: Fine sand	Fill	PID=0 PPM
				2	3						moist
		2	3	1	1	55%					
				2	2						
5		3	10	4	5	90%		Loose			
				5	6		Gray Brown		Fill: Fine silty sand		
		4	25	8	14	75%	Dark Gray Black	Medium Dense	Fill: Silty fine gravel and cinders		wet
				11	9				faint chemical odor		
		5	12	5	3	75%	Gray Green	Stiff	Fill: Clayey SILT, gravel, trace wood		
10				9	10				gravel		
		6	7	4	3	55%		Medium Stiff	- with sandstone gravel		
				4	3		Black		Clayey SILT, trace fine sand	ML	
		7	9	5	4	95%	Green Gray	Stiff	-faint petroleum odor		
				5	8				no odor		
15		8	16	6	8	80%		Very Stiff			very moist
				8	10						
		9	16	7	8	85%	Medium Gray				
				8	9						
		10	19	10	12	100%					wet
20				7	50/4				-with fine gravel		
									end of boring at 20 feet		
25											
30											
35											

COMMENTS: Advanced boring with CME-550 ATV rig equipped with 4 1/4" HSA

BORING NO.	SB-2
PROJECT NO.	11176892.00002

URS Corporation

TEST BORING LOG

BORING NO:	SB-3
SHEET:	1 of 1
JOB NO.:	11176892.00002
BORING LOCATION:	N=1519209.51, E=665243.06
GROUND ELEVATION:	288.09
DATE STARTED:	5/16/2013
DATE FINISHED:	5/16/2013
DRILLER:	Tom Farrell
GEOLOGIST:	Tim Burmeier
REVIEWED BY:	Scott McCabe

PROJECT: Old Agway

CLIENT: New York State Department of Environmental Conservation

BORING CONTRACTOR: SJB Services, Inc.

GROUNDWATER: Encountered at 7 feet

DATE	TIME	LEVEL	TYPE		CAS.	SAMPLER	CORE	TUBE
				TYPE		Split-spoon		
				DIA.		2"		
				WT.		140#		
				FALL		Auto 30"		
				RIG:		CME-550 ATV		

DEPTH FEET	STRATA SYMBOL	SAMPLE "S" NO.	SAMPLE "N" NO.	BLOWS PER 6"	REC% RQD%	COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	USCS	REMARKS MOISTURE
		1	7	2 3 / 4 5	70%	Light Brown	Loose	Fill: Fine sand, trace coarse	Fill	PID=0 PPM; slightly moist
		2	6	3 3 / 3 3	80%			-trace fine gravel		
5		3	5	5 3 / 2 2	90%			-as above, trace clay, burnt wood		very moist
		4	2	1 1 / 1 7	20%		Very Loose	-wood in shoe -faint chemical odor		wet
10		5	6	6 4 / 2 4	20%		Loose			
		6	4	5 2 / 2 3	25%	Black	Medium Stiff	Fill: Clayey SAND, moderate chemical odor		
		7	8	4 4 / 4 4	0%			no recovery, possible clayey silt	ML	
15		8	15	6 7 / 8 10	90%	Medium Gray		Clayey SILT-, trace organics		very moist
		9	18	7 8 / 10 10	80%		Very Stiff			wet
20		10	30	9 9 / 21 12	100%			-with fine gravel		
								end of boring at 20 feet		
25										
30										
35										

COMMENTS: Advanced boring with CME-550 ATV rig equipped with 4 1/4" HSA

BORING NO. SB-3

PROJECT NO. 11176892.00002

URS Corporation

TEST BORING LOG

BORING NO:	SB-4		
PROJECT:	Old Agway	**SHEET:**	1 of 1
CLIENT:	New York State Department of Environmental Conservation	**JOB NO.:**	11176892.00002
BORING CONTRACTOR:	SJB Services, Inc.	**BORING LOCATION:**	N=1519206.94, E=665208.53
GROUNDWATER:	Encountered at 7 feet	**GROUND ELEVATION:**	288.17
DATE STARTED:	5/16/2013		
DATE FINISHED:	5/16/2013		
DRILLER:	Tom Farrell		
GEOLOGIST:	Tim Burmeier		
REVIEWED BY:	Scott McCabe		

DATE	TIME	LEVEL	TYPE		CAS.	SAMPLER	CORE	TUBE
				TYPE		Split-spoon		
				DIA.		2"		
				WT.		140#		
				FALL		Auto 30"		
				RIG:		CME-550 ATV		

DEPTH FEET	STRATA SYMBOL	"S" NO.	"N" NO.	BLOWS PER 6"		REC% RQD%	COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	USCS	REMARKS MOISTURE
		1	2	1	2	35%	Medium Brown	Very Loose	Fill: Fine silty sand, top soil	Fill	PID=0 PPM
				WOH	1						slightly moist
		2	2	1	1	60%	Yellow Brown		Fill: Fine sand		
				1	1						
5		3	11	6	5	70%	Light Brown	Medium Dense			moist
				6	8				Fill: Fine sand, trace medium, trace silt		very moist
		4	14	5	3	50%	Medium Brown		Silty fine to very fine sand, wood		wet
				11	12				in shoe		
		5	26	7	2	45%					
10				24	12				- wood fragments and chem odor		
		6	8	9	4	35%	Black	Loose	Fill: Silty fine sand, stronger		
				4	5				chemical odor		
		7	7	5	4	100%		Medium Stiff	Clayey SILT- strong odor	ML	
				3	5		Green Gray				
15		8	23	10	12	55%	Medium Gray	Very Stiff			very moist
				11	11						wet
		9	22	10	12	80%					
				10	5						
		10	20	6	7	100%					
20				13	13						
									end of boring at 20 feet		
25											
30											
35											

COMMENTS: Advanced boring with CME-550 ATV rig equipped with 4 1/4" HSA

BORING NO.	SB-4
PROJECT NO.	11176892.00002

URS Corporation

TEST BORING LOG

PROJECT:	Old Agway	**BORING NO:**	SB-5
CLIENT:	New York State Department of Environmental Conservation	**SHEET:**	1 of 1
BORING CONTRACTOR:	SJB Services, Inc.	**JOB NO.:**	11176892.00002
GROUNDWATER:	Encountered at 10 feet	**BORING LOCATION:**	N=1519241.10, E=665206.76
		GROUND ELEVATION:	287.96
		DATE STARTED:	5/16/2013
		DATE FINISHED:	5/17/2013
		DRILLER:	Tom Farrell
		GEOLOGIST:	Tim Burmeier
		REVIEWED BY:	Scott McCabe

DATE	TIME	LEVEL	TYPE		CAS.	SAMPLER	CORE	TUBE
				TYPE		Split-spoon		
				DIA.		2"		
				WT.		140#		
				FALL		Auto 30"		
				RIG:		CME-550 ATV		

DEPTH FEET	STRATA SYMBOL	"S" NO.	"N" NO.	BLOWS PER 6"		REC% RQD%	COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	USCS	REMARKS MOISTURE
		1	2	1	1	60%	Medium Brown	Very Loose	Fill: Fine silty sand, top soil	Fill	PID=0 PPM
				1	2				Fine sand		slightly moist
		2	3	2	1	70%	Yellow Brown				
				2	4						very moist
5		3	7	3	4	95%	Medium Brown	Loose			
				3	4						moist
		4	19	4	6	40%		Medium Dense	Fill: Silty fine sand, wood at 7.5 feet		
				13	30						
		5	50	19	50/2	45%		Very Dense			
10											wet
		6	11	10	5	50%	Dark Gray	Medium Dense	Fill: Gravel and burnt wood, trace silt		
				6	4						
		7	9	5	4	30%		Loose	Fill: Fine gravel and concrete, trace silt		
				5	4		Green Gray				
15		8	22	6	8	85%	Light Gray	Very Stiff	Clayey SILT, mottled	ML	
				14	15						moist
		9	24	10	9	55%	Green Gray				
				15	20				- trace gravel		
		10	78	13	28	50%	Dark Gray	Hard	- some fine gravel		very moist
20				50/2							
									end of boring at 20 feet		
25											
30											
35											

COMMENTS:	Advanced boring with CME-550 ATV rig equipped with 4 1/4'' HSA	**BORING NO.**	SB-5
		PROJECT NO.	11176892.00002

URS Corporation

TEST BORING LOG

BORING NO:	SB-6
SHEET:	1 of 1
JOB NO.:	11176892.00002
BORING LOCATION:	N=1519175.40, E=665251.11
GROUND ELEVATION:	288.05
DATE STARTED:	5/17/2013
DATE FINISHED:	5/17/2013
DRILLER:	Tom Farrell
GEOLOGIST:	Tim Burmeier
REVIEWED BY:	Scott McCabe

PROJECT: Old Agway
CLIENT: New York State Department of Environmental Conservation
BORING CONTRACTOR: SJB Services, Inc.
GROUNDWATER: Encountered at 8 feet

DATE	TIME	LEVEL	TYPE

	CAS.	SAMPLER	CORE	TUBE
TYPE		Split-spoon		
DIA.		2"		
WT.		140#		
FALL		Auto 30"		
RIG:		CME-550 ATV		

DEPTH FEET	SAMPLE: STRATA SYMBOL	"S" NO.	"N" NO.	BLOWS PER 6"	REC% RQD%	DESCRIPTION: COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	USCS	REMARKS: MOISTURE
		1	10	3 6 4 5	80%	Medium Brown	Medium Dense	Fill: Fine silty sand, top soil, 3" thick Fill: Fine sand, trace gravel	Fill	PID=0 PPM slightly moist
		2	13	5 5 8 3	75%	Yellow Brown		- trace glass		moist
5		3	17	4 8 9 13	75%	Medium Brown				very moist
		4	61	11 11 50/2	60%		Very Dense	Fill: Fine sand		moist
		5	8	5 4 4 4	60%	Black	Loose	Fill: Silt and fine angular gravel		wet
10										
		6	11	4 6 5 6	70%	Green Gray	Stiff	Clayey SILT, some very fine sand	ML	moist
		7	7	4 4 3 3	70%		Medium Stiff	Clayey SILT, some fine sand and gravel		wet
15		8	14	4 6 8 8	75%	Medium Gray	Stiff			
		9	14	5 6 8 10	80%	Green Gray				
20		10	25	11 13 12 29	75%	Dark Gray	Medium Dense	Fine GRAVEL with silty clay, trace fine sand	GM	
								end of boring at 20 feet		
25										
30										
35										

COMMENTS: Advanced boring with CME-550 ATV rig equipped with 4 1/4" HSA

BORING NO.	SB-6
PROJECT NO.	11176892.00002

URS Corporation

TEST BORING LOG

BORING NO:	SB-7
SHEET:	1 of 1
JOB NO.:	11176892.00002
BORING LOCATION:	N=1519172.32, E=665213.72
GROUND ELEVATION:	287.84
DATE STARTED:	5/22/2013
DATE FINISHED:	5/22/2013
DRILLER:	Tom Farrell
GEOLOGIST:	Tim Burmeier
REVIEWED BY:	Scott McCabe

PROJECT: Old Agway

CLIENT: New York State Department of Environmental Conservation

BORING CONTRACTOR: SJB Services, Inc.

GROUNDWATER: Encountered at 7 feet

DATE	TIME	LEVEL	TYPE

	CAS.	SAMPLER	CORE	TUBE
TYPE		Split-spoon		
DIA.		2"		
WT.		140#		
FALL		Auto 30"		
RIG:		CME-550 ATV		

DEPTH FEET	STRATA SYMBOL	SAMPLE "S" NO.	SAMPLE "N" NO.	BLOWS PER 6"	REC% RQD%	COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	USCS	REMARKS MOISTURE
		1	3	1 1	60%	Dark Brown	Very Loose	Fine silty sand, top soil, 3" thick	Fill	PID=0 PPM
				2 2				Fine sand		slightly moist
		2	4	3 2	85%	Yellow Brown		- trace coarse		moist
				2 3						
5		3	12	6 5	100%	Medium Brown	Medium Dense	Silty fine sand. Wood at 7 feet		very moist
				7 11						
		4	4	7 2	20%	Black	Very Loose	Coal ash, cinders, silty clay, wood		wet
				2 4						
		5	15	15 12	30%		Stiff	Clayey silt, some fine sand and wood		
10				3 3						
		6	13	5 4	15%	Green Gray		Clayey SILT	ML	
				9 7						
		7	11	4 4	50%			-trace wood		
				7 7						
15		8	15	8 7	25%					
				8 14						
		9	17	8 10	75%	Light Gray	Very Stiff			
				7 8						
		10	11	5 5	100%	Medium Gray	Medium Dense	- trace gravel		
20				6 7						
								end of boring at 20 feet		
25										
30										
35										

COMMENTS: Advanced boring with CME-550 ATV rig equipped with 4 1/4" HSA

BORING NO.	SB-7
PROJECT NO.	11176892.00002

URS Corporation

TEST BORING LOG

BORING NO:	MW-1
SHEET:	1 of 1
JOB NO.:	11176892.00002
BORING LOCATION:	N=1519159.38, E=665435.96
GROUND ELEVATION:	290.79
DATE STARTED:	5/13/2013
DATE FINISHED:	5/13/2013
DRILLER:	Tom Farrell
GEOLOGIST:	Tim Burmeier
REVIEWED BY:	Scott McCabe

PROJECT: Old Agway

CLIENT: New York State Department of Environmental Conservation

BORING CONTRACTOR: SJB Services, Inc.

GROUNDWATER: 2.13 feet on May 28, 2013

DATE	TIME	LEVEL	TYPE

	CAS.	SAMPLER	CORE	TUBE
TYPE		Split-spoon		
DIA.		2"		
WT.		140#		
FALL		Auto 30"		
RIG:	CME-550 ATV			

DEPTH FEET	STRATA SYMBOL	"S" NO.	"N" NO.	BLOWS PER 6"	REC% RQD%	COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	USCS	REMARKS MOISTURE
				Hand Clear	100%	Black / Yellow Brown / Gray Green		Fill: Silt and Fine to coarse sand, wood Fill: Fine to coarse SAND	Fill	PID=0 PPM moist
5		1	12	3 5 7 9	70%	Yellow Brown	Stiff	Clayey SILT with very fine sand	ML	very moist
		2	14	7 7 7 8	100%			-as above with rusty streaks		wet
10		3	10	3 5 5 8	75%					
		4	12	4 6 6 7	80%	Gray Green		Clayey SILT		
		5	20	9 10 10 11	100%		Very Stiff			
15		6	24	8 11 13 15	100%	Yellow Brown		Silty CLAY	CL	
20								end of boring at 16 feet		
25										
30										
35										

COMMENTS: Advanced boring with CME-550 ATV rig equipped with 4 1/4" HSA
Set 2" PVC well screen from 5-15 feet

BORING NO. MW-1

PROJECT NO. 11176892.00002

URS Corporation

TEST BORING LOG

BORING NO:	MW-2
SHEET:	1 of 1
JOB NO.:	11176892.00002
BORING LOCATION:	N=1519178.26, E=665280.59
GROUND ELEVATION:	288.20
DATE STARTED:	5/14/2013
DATE FINISHED:	5/14/2013
DRILLER:	Tom Farrell
GEOLOGIST:	Tim Burmeier
REVIEWED BY:	Scott McCabe

PROJECT: Old Agway
CLIENT: New York State Department of Environmental Conservation
BORING CONTRACTOR: SJB Services, Inc.
GROUNDWATER: 5.92 feet on May 28, 2013

	CAS.	SAMPLER	CORE	TUBE
TYPE		Split-spoon		
DIA.		2"		
WT.		140#		
FALL		Auto 30"		
RIG:		CME-550 ATV		

DATE	TIME	LEVEL	TYPE

DEPTH FEET	STRATA SYMBOL	SAMPLE "S" NO.	SAMPLE "N" NO.	BLOWS PER 6"	REC% RQD%	COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	USCS	REMARKS MOISTURE
				Hand Clear	100%	Yellow Brown		Fine sand, trace fine gravel - boulder at 2.7 feet	Fill	PID=0 PPM slightly moist moist
5		1	11	2 3 8 6	70%		Medium Dense			wet
		2	11	6 2 9 50/3	70%	Brown Gray Brown		-as above, trace black speckled - trace wood at 7.5 feet		
10		3	>50	50/1	100%		Very Dense	- hard augering at 8-12.50 feet		
		4	>50	50/1	100%	Black		Fine SAND and CLAY with fine gravel	SC	1.4 PPM 0.0 PPM
		5	5	4 3 2 2	60%	Gray Brown	Medium Stiff	Clayey SILT, trace gravel	ML	
15		6	8	3 4 4 8	70%	Green Gray		- with fine to coarse sand, trace fine gravel		
		7	16	6 8 8 10	55%	Medium Gray	Very Stiff	Clayey SILT, trace fine gravel		
20		8	36	7 15 21 50/2	100%	Dark Gray	Hard			
								end of boring at 20 feet		
25										
30										
35										

COMMENTS: Advanced boring with CME-550 ATV rig equipped with 4 1/4" HSA
Set 2" PVC well screen from 5-15 feet

BORING NO. MW-2
PROJECT NO. 11176892.00002

URS Corporation

TEST BORING LOG

BORING NO:	MW-3
SHEET:	1 of 1
JOB NO.:	11176892.00002
BORING LOCATION:	N=1519244.25, E=665240.62
GROUND ELEVATION:	288.45
DATE STARTED:	5/14/2013
DATE FINISHED:	5/14/2013
DRILLER:	Tom Farrell
GEOLOGIST:	Tim Burmeier
REVIEWED BY:	Scott McCabe

PROJECT: Old Agway

CLIENT: New York State Department of Environmental Conservation

BORING CONTRACTOR: SJB Services, Inc.

GROUNDWATER: 5.64 feet on May 28, 2013

	CAS.	SAMPLER	CORE	TUBE
TYPE		Split-spoon		
DIA.		2"		
WT.		140#		
FALL		Auto 30"		
RIG:		CME-550 ATV		

DATE	TIME	LEVEL	TYPE

DEPTH FEET	STRATA SYMBOL	SAMPLE "S" NO.	SAMPLE "N" NO.	BLOWS PER 6"	REC% RQD%	COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	USCS	REMARKS MOISTURE
		1	4	2 2 / 2 2	75%	Light Brown	Very Loose	Fill: Fine sand, trace fine gravel	Fill	PID=0 PPM
		2	7	2 3 / 4 3	70%	Black	Loose	cinders, coal ash		moist
5		3	3	1 2 / 1 1	25%		Very Loose			
		4	3	2 1 / 2 1	25%					wet
		5	2	3 1 / 1 1	60%		Soft	Clayey SILT, trace fine sand, fine gravel	ML	
10		6	2	2 1 / 1 4	50%	Light Gray		- trace gravel		
		7	5	4 2 / 3 3	60%	Green Gray	Medium Stiff	Silty CLAY, trace fine sand	CL	
15		8	13	8 5 / 8 9	80%		Stiff	Clayey SILT	ML	
		9	20	9 11 / 9 7	50%	Light Gray	Very Stiff			
20		10	12	6 6 / 6 8	75%		Stiff	- some fine gravel		
25								end of boring at 20 feet		
30										
35										

COMMENTS: Advanced boring with CME-550 ATV rig equipped with 4 1/4" HSA

Set 2" PVC well screen from 5-15 feet

BORING NO. MW-3

PROJECT NO. 11176892.00002

URS Corporation

TEST BORING LOG

BORING NO:	MW-4
SHEET:	1 of 1
JOB NO.:	11176892.00002
BORING LOCATION:	N=1519314.12, E=665034.47
GROUND ELEVATION:	275.15
DATE STARTED:	5/20/2013
DATE FINISHED:	5/20/2013
DRILLER:	Tom Farrell
GEOLOGIST:	Tim Burmeier
REVIEWED BY:	Scott McCabe

PROJECT: Old Agway
CLIENT: New York State Department of Environmental Conservation
BORING CONTRACTOR: SJB Services, Inc.
GROUNDWATER: 3.70 feet on May 28, 2013

DATE	TIME	LEVEL	TYPE

	CAS.	SAMPLER	CORE	TUBE
TYPE		Split-spoon		
DIA.		2"		
WT.		140#		
FALL		Auto 30"		
RIG:		CME-550 ATV		

DEPTH FEET	SAMPLE STRATA SYMBOL	"S" NO.	"N" NO.	BLOWS PER 6"	REC% RQD%	DESCRIPTION COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	USCS	REMARKS MOISTURE
		1	3	3 1 / 2 2	70%	Dark Brn. / Yellow Brown	Soft / Medium Stiff	Fill: Clayey SILT with fine sand - with some fine to coarse SAND	Fill	PID=0 PPM moist
		2	5	3 2 / 3 4	70%					
5		3	6	3 3 / 3 7	60%			-trace brick at 5 feet		very moist wet
		4	7	3 3 / 4 3	60%	Light Gray		Clayey SILT - with fine gravel	ML	
10		5	12	4 5 / 7 13	65%	Dark Gray	Stiff	-some fine sand		
		6	28	5 12 / 16 18	55%	Gray Green	Very Stiff			
15		7	21	7 10 / 11 12	80%					moist
		8	47	4 14 / 33 35	75%	Yellow Brown	Hard			
20								end of boring at 16 feet		
25										
30										
35										

COMMENTS: Advanced boring with CME-550 ATV rig equipped with 4 1/4" HSA
Set 2" PVC well screen from 5-15 feet

BORING NO. MW-4
PROJECT NO. 11176892.00002

URS Corporation

TEST BORING LOG

BORING NO:	MW-5		
PROJECT:	Old Agway	**SHEET:**	1 of 1
CLIENT:	New York State Department of Environmental Conservation	**JOB NO.:**	11176892.00002
BORING CONTRACTOR:	SJB Services, Inc.	**BORING LOCATION:**	N=1519381.21, E=664989.10
GROUNDWATER:	2.53 feet on May 28, 2013	**GROUND ELEVATION:**	269.51

DATE	TIME	LEVEL	TYPE		CAS.	SAMPLER	CORE	TUBE		
				TYPE		Split-spoon			**DATE STARTED:**	5/21/2013
				DIA.		2"			**DATE FINISHED:**	5/23/2013
				WT.		140#			**DRILLER:**	Tom Farrell
				FALL		Auto 30"			**GEOLOGIST:**	Tim Burmeier
				RIG:		CME-550 ATV			**REVIEWED BY:**	Scott McCabe

DEPTH FEET	STRATA SYMBOL	SAMPLE "S" NO.	SAMPLE "N" NO.	BLOWS PER 6"	REC% RQD%	COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	USCS	REMARKS MOISTURE
		1	4	WOH 1	70%	Dark Brn.	Soft	Fill: Silty clay, trace fine sand, trace brick	Fill	PID=0 PPM
				3 9		Light Brown				moist
		2	46	8 20	90%		Hard	Fill: Clayey Silt, trace gravel		slightly moist
				26 27						
5		3	49	11 21	85%	Dark Gray				
				28 36				Clayey SILT, trace fine gravel	ML	
		4	50	42 50/4	25%					
						Light Gray		- increases to coarse gravel		
		5		50/3	0%	Dark Gray				
10										wet
						Yellow Brown	Very Stiff	Clayey SILT with fine sand (from auger cuttings)		
15		6		50/4	100%	Dark Gray	Hard	- as above with fine gravel		
								end of boring at 15.5 feet		
								- bent sampling spoon at 8 feet moved location, five feet south		
20								failed to advance past 8 feet moved location, ten feet south from original location and advanced boring to 15.5 feet		
25										
30										
35										

COMMENTS:	Advanced boring with CME-550 ATV rig equipped with 4 1/4" HSA	**BORING NO.**	MW-5
	Set 2" PVC well screen from 5-15 feet	**PROJECT NO.**	11176892.00002

URS Corporation

TEST BORING LOG

BORING NO:	MW-6
SHEET:	1 of 1
JOB NO.:	11176892.00002
BORING LOCATION:	N=1519429.07, E=665151.86
GROUND ELEVATION:	272.44
DATE STARTED:	5/21/2013
DATE FINISHED:	5/21/2013
DRILLER:	Tom Farrell
GEOLOGIST:	Tim Burmeier
REVIEWED BY:	Scott McCabe

PROJECT: Old Agway
CLIENT: New York State Department of Environmental Conservation
BORING CONTRACTOR: SJB Services, Inc.
GROUNDWATER: 4.98 feet on May 28, 2013

DATE	TIME	LEVEL	TYPE

	CAS.	SAMPLER	CORE	TUBE
TYPE		Split-spoon		
DIA.		2"		
WT.		140#		
FALL		Auto 30"		
RIG:	CME-550 ATV			

DEPTH FEET	STRATA SYMBOL	SAMPLE "S" NO.	SAMPLE "N" NO.	BLOWS PER 6"	REC% RQD%	COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	USCS	REMARKS MOISTURE
		1	5	2 2 / 3 3	75%	Dark Brn. / Yellow Brown	Loose	Fill: Fine sandy silt, top soil - black cinders, coal ash, coal	Fill	PID=0 PPM moist
		2	5	2 2 / 3 5	35%			-Clayey Silt, trace fine gravel		very moist
5		3	7	2 3 / 4 7	75%	Dark Gray		-Silty Clay, trace gravel		wet
		4	50	26 42 / 50/4	75%	Medium Gray	Hard	Clayey SILT, trace fine gravel - with black shale gravel	ML	
10		5	34	12 15 / 19 30	80%	Dark Gray				
		6	30	10 12 / 18 50/3	60%		Very Stiff			
		7	50	12 50/2 /	75%		Hard	Silty SAND with clay and gravel		moist
15								auger refusal at 14 feet		
20										
25										
30										
35										

COMMENTS: Advanced boring with CME-550 ATV rig equipped with 4 1/4" HSA
Set 2" PVC well screen from 4-14 feet

BORING NO. MW-6
PROJECT NO. 11176892.00002

URS Corporation

TEST BORING LOG

BORING NO: MW-7

PROJECT:	Old Agway, Ballston Spa	**SHEET:**	1 of 1
CLIENT:	New York State Department of Environmental Conservation	**JOB NO.:**	11176892
BORING CONTRACTOR:	SJB Services, Inc.	**BORING LOCATION:**	N=1519147.13, E=665310.67
GROUNDWATER:	4.00 feet on May 6, 2014	**GROUND ELEVATION:**	289.02

DATE	TIME	LEVEL	TYPE		CAS.	SAMPLER	CORE	TUBE		
				TYPE		Split-spoon			DATE STARTED:	4/28/2014
				DIA.		2"			DATE FINISHED:	4/28/2014
				WT.		140#			DRILLER:	Tom Farrell
				FALL		Auto 30"			GEOLOGIST:	John Hilton
				RIG:		CME-550 ATV			REVIEWED BY:	Kevin Connare

DEPTH FEET	SAMPLE STRATA SYMBOL	"S" NO.	"N" NO.	BLOWS PER 6"	REC% RQD%	DESCRIPTION COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	USCS	REMARKS MOISTURE
		1	10	2 3 / 7 6	80%	Dark Gray-Black	Medium	0.0 - 4.2' Fill: SAND, fine-medium with trace silt, white-yellow brick, ash, cinders and fine sub-angular gravel	Fill	PID=0 PPM moist
		2	7	3 3 / 4 4	60%		Loose			
5		3	1	3 1 / 0 0	90%	Brown-Gray	V. Loose	4.2 - 10.9' SAND, fine, with trace- little silt	SP	wet saturated
		4	4	1 1 / 3 2	85%	Olive-Gray	Loose	- fine-medium, trace fine gravel - medium-coarse		
10		5	12	4 5 / 7 7	65%	Yellow Brown	Medium	- trace silt, interbedded crs.sand		
		6	10	3 5 / 5 6	70%		Medium	- increased silt content		wet
		7	12	3 6 / 6 6	75%		Medium	10.9 - 16.0' SILT, with clay, trace sand	ML	
15		8	17	6 7 / 10 13	70%	Gray	Medium	SILT and sand, trace clay		
20								End of boring at 16'		
25										
30										
35										

COMMENTS: Advanced boring with CME-550 ATV rig equipped with 4 1/4" HSA
Set 2" PVC well screen from 5-15 feet bgs

BORING NO. MW-7
PROJECT NO. 11176892

URS Corporation

TEST BORING LOG

BORING NO:	SB-4 / MW-8		
PROJECT:	Old Agway, Ballston Spa	**SHEET:**	1 of 1
CLIENT:	New York State Department of Environmental Conservation	**JOB NO.:**	11176892
BORING CONTRACTOR:	SJB Services, Inc.	**BORING LOCATION:**	N=1519206.94, E=665208.53
GROUNDWATER:	Encountered at 7 feet	**GROUND ELEVATION:**	288.17
DATE STARTED:	5/16/2013		
DATE FINISHED:	5/16/2013		
DRILLER:	Tom Farrell		
GEOLOGIST:	Tim Burmeier		
REVIEWED BY:	Kevin Connare		

DATE	TIME	LEVEL	TYPE		CAS.	SAMPLER	CORE	TUBE
				TYPE		Split-spoon		
				DIA.		2"		
				WT.		140#		
				FALL		Auto 30"		
				RIG:		CME-550 ATV		

DEPTH FEET	STRATA SYMBOL	SAMPLE "S" NO.	SAMPLE "N" NO.	BLOWS PER 6"		REC% RQD%	COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	USCS	REMARKS MOISTURE
		1	2	1	2	35%	Medium Brown	Very Loose	0.0 - 12.0': Fill: Fine silty sand, top soil	Fill	PID=0 PPM
				WOH	1						slightly moist
		2	2	1	1	60%	Yellow Brown		Fill: Fine sand		
				1	1						
5		3	11	6	5	70%	Light Brown	Medium Dense			moist
				6	8				Fill: Fine sand, trace medium, trace silt		very moist
		4	14	5	3	50%	Medium Brown		Silty fine to very fine sand, wood in shoe		wet
				11	12						
		5	26	7	2	45%					
10				24	12				- wood fragments and chem odor		
		6	8	9	4	35%	Black	Loose	Fill: Silty fine sand, stronger chemical odor.		
				4	5						
		7	7	5	4	100%		Medium Dense	12.0 - 20.0': Clayey SILT, strong odor	ML	
				3	5		Green Gray				
15		8	23	10	12	55%	Medium Gray	Dense			very moist
				11	11						wet
		9	22	10	12	80%					
				10	5						
		10	20	6	7	100%					
20				13	13						
									End of boring at 20'		
25											
30											
35											

COMMENTS: Advanced boring with CME-550 ATV rig equipped with 4 1/4" HSA

Installed 2'' PVC well screen as MW-8 from 5-15 feet bgs in new twinned boring on 4/28/14.

BORING NO. SB-4 / MW-8

PROJECT NO. 11176892

URS Corporation

TEST BORING LOG

BORING NO:	MW-9
SHEET:	1 of 1
JOB NO.:	11176892.00000
BORING LOCATION:	N=1519274.90, E=665217.60
GROUND ELEVATION:	288.58
DATE STARTED:	4/28/2014
DATE FINISHED:	4/29/2014
DRILLER:	Tom Farrell
GEOLOGIST:	John Hilton
REVIEWED BY:	Kevin Connare

PROJECT: Old Agway, Ballaston Spa

CLIENT: New York State Department of Environmental Conservation

BORING CONTRACTOR: SJB Services, Inc.

GROUNDWATER: 5.60 feet on May 6, 2014

	CAS.	SAMPLER	CORE	TUBE
TYPE		Split-spoon		
DIA.		2"		
WT.		140#		
FALL		Auto 30"		
RIG:	CME-550 ATV			

DATE	TIME	LEVEL	TYPE

DEPTH FEET	STRATA SYMBOL	"S" NO.	"N" NO.	BLOWS PER 6"		REC% RQD%	COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	USCS	REMARKS MOISTURE
		1	2	0	1	65%	Brown - Orange	Very loose	0.0 - 6.4' Fill: Fine to medium sand, trace silt.	Fill	PID=0 PPM dry
		2	9	5	5	70%	Dark Brown	Loose	Same, with wood and cinders.		
5		3	4	3	2	75%					moist
		4	5	3	2	70%	Olive-Brown		6.4 - 10.0': SILT and fine SAND, trace fine gravel to 1/2" .	ML	moist wet
10		5	6	4	3	65%	Dark Brown-Gray				saturated
		6	4	1	1	40%	Black-Gray		10.0 - 14.0': Fine to medium SAND, trace silt, trace fine gravel.	SP	
		7	14	3	6	30%		Medium			
15		8	15	5	7	85%	Light Gray		14.0 - 16.0': SILT, trace clay.	ML	
									End of boring at 16'		
20											
25											
30											
35											

COMMENTS: Advanced boring with CME-550 ATV rig equipped with 4 1/4" HSA

Set 2" PVC well screen from 5-15 feet bgs

BORING NO. MW-9

PROJECT NO. 11176892.00000

URS Corporation

TEST BORING LOG

BORING NO:	MW-10
SHEET:	1 of 1
JOB NO.:	11176892
BORING LOCATION:	N=1519263.79, E=665154.21
GROUND ELEVATION:	278.66
DATE STARTED:	4/29/2014
DATE FINISHED:	4/29/2014
DRILLER:	Tom Farrell
GEOLOGIST:	John Hilton
REVIEWED BY:	Kevin Connare

PROJECT: Old Agway, Ballaston Spa
CLIENT: New York State Department of Environmental Conservation
BORING CONTRACTOR: SJB Services, Inc.
GROUNDWATER: 0.86 feet on May 6, 2014

DATE	TIME	LEVEL	TYPE

	CAS.	SAMPLER	CORE	TUBE
TYPE		Split-spoon		
DIA.		2"		
WT.		140#		
FALL		Auto 30"		
RIG:		CME-550 ATV		

DEPTH FEET	STRATA SYMBOL	SAMPLE "S" NO.	SAMPLE "N" NO.	BLOWS PER 6"	REC% RQD%	COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	USCS	REMARKS MOISTURE
		1	9	10 5	75%	Dark Brown	Loose	0.0-0.3': Fill: Coarse angular gravel.	Fill	PID=0 PPM Dry
				4 4		Brown-Gray		0.3 - 2.0': Fine SAND and SILT	SM	moist
		2	8	4 3	60%	Olive-Gray		2.0 - 8.0': SILT and fine SAND, trace clay and fine gravel.	ML	
				5 5						
5		3	9	4 4	80%			Same, decrease in gravel		wet
				5 4						
		4	11	4 4	75%		Medium	Same, trace gravel.		saturated
				7 10						
		5	92	26 42	71%	Dark Gray	Very dense	8.0 - 9.5': SILT and SAND, little fine-coarse gravel, cobbles.	ML	moist
10				50 -						
								End of boring at auger refusal at 9.5'		
9.5										
20										
25										
30										
35										

COMMENTS: Advanced boring with CME-550 ATV rig equipped with 4 1/4" HSA
Set 2" PVC well screen from 4-9 feet bgs

BORING NO. MW-10
PROJECT NO. 11176892

OVERBURDEN BOREHOLE LOG

URS

Borehole No.: **HA - 1**

Project :	Old Agway Phase 1	Surface Elev.:		Date Started:	5/14/2013
	NYSDEC WA D007622-17	Ref. Elev.:		Date Finished:	5/14/2013
Project No.:	11176892.00002	Contractor:		Drilling Method:	4 " Hand Auger
Client:	NYSDEC	Driller:		Water Depth (bgs):	Not Encountered.
Location:	Ballston Spa	Rig Type:		Logged By:	Chuck Dusel

Depth (BGS)	Blow Counts	Sample Type	Recovery/ Length (ft.)	Soil Classification / Symbol (Include depths)	**Lithology Description and Remarks** *Soil Types, Color, Texture, Bedding fabric, Density/Consistency, Plasticity, Moisture*	Moisture *(dry, moist, wet, saturated)*	PID Scan (ppm)
0					0.0 - 2' Cinder, brick, ash.		
1							
2					2 - 3' Black, cinder, brick, ash.	dry	
3					3' Refusal.		
4							
5							
6					Sample times:		
					1 - 2' 15:15		
7					2 - 3' 15:25		
8							
9							
10							
11							

Notes: Checked by Tim Burmeier.

OVERBURDEN BOREHOLE LOG

URS

Borehole No.: **HA - 2**

Project :	Old Agway Phase 1	Surface Elev.:		Date Started:	5/14/2013
	NYSDEC WA D007622-17	Ref. Elev.:		Date Finished:	5/14/2013
Project No.:	11176892.00002	Contractor:		Drilling Method:	4 " Hand Auger
Client:	NYSDEC	Driller:		Water Depth (bgs):	Encountered at 2 feet bgs
Location:	Ballston Spa	Rig Type:		Logged By:	CD

Depth (BGS)	Blow Counts	Sample Type	Recovery/ Length (ft.)	Soil Classification / Symbol (Include depths)	**Lithology Description and Remarks** *Soil Types, Color, Texture, Bedding fabric, Density/Consistency, Plasticity, Moisture*	Moisture *(dry, moist, wet, saturated)*	PID Scan (ppm)
0					0.0 - 2' Cinder, brick, ash.		
1							
2					2-3' Black, cinder, brick, ash.	wet	
3					3' Refusal.		
4							
5							
6					Sample times:		
					1.5 - 2" 14:30		
7					2- 3' 14:40		
8							
9							
10							
11							

Notes: Checked by Tim Burmeier.

OVERBURDEN BOREHOLE LOG

URS

Borehole No.: **HA - 3**

Project :	Old Agway Phase 1	Surface Elev.:		Date Started:	5/23/2013
	NYSDEC WA D007622-17	Ref. Elev.:		Date Finished:	5/23/2013
Project No.:	11176892.00002	Contractor:		Drilling Method:	4 " Hand Auger
Client:	NYSDEC	Driller:		Water Depth (bgs):	Encountered at 2 feet bgs.
Location:	Ballston Spa	Rig Type:		Logged By:	Tim Burmeier

Depth (BGS)	Blow Counts	Sample Type	Recovery/ Length (ft.)	Soil Classification / Symbol (Include depths)	Lithology Description and Remarks *Soil Types, Color, Texture, Bedding fabric, Density/Consistency, Plasticity, Moisture*	Moisture *(dry, moist, wet, saturated)*	PID Scan (ppm)
0					0.0 - 1' Cinder, brick, ash.		
					1'-2' Medium brown, Silty fine to coarse SAND with coarse gravel, wood and cobbles		9.7
1							
2					2 - 4' Clayey SILT	wet	
3							
4							
5							
6					Sample times:		
					1 - 1.5' 9:00		
7					3-3.5' 9:30		
					Dup, MS/MSD from 1-1.5' interval		
8							
9							
10							
11							

Notes: Checked by Chuck Dusel.

OVERBURDEN BOREHOLE LOG

URS

Borehole No.: **HA - 4**

Project :	Old Agway Phase 1	Surface Elev.:		Date Started:	5/23/2013
	NYSDEC WA D007622-17	Ref. Elev.:		Date Finished:	5/23/2013
Project No.:	11176892.00002	Contractor:		Drilling Method:	4 " Hand Auger
Client:	NYSDEC	Driller:		Water Depth (bgs):	Not Encountered
Location:	Ballston Spa	Rig Type:		Logged By:	Tim Burmeier

Depth (BGS)	Blow Counts	Sample Type	Recovery/ Length (ft.)	Soil Classification / Symbol (Include depths)	Lithology Description and Remarks *Soil Types, Color, Texture, Bedding fabric, Density/Consistency, Plasticity, Moisture*	Moisture *(dry, moist, wet, saturated)*	PID Scan (ppm)
0					0- 1' SAND	moist	0
					1 - 2' Light brown, SAND and GRAVEL		
1							
2					2 - 3.5' Black, Sandy GRAVEL, with odor, hard.		
					Charred appearance.		
3							
4							
5							
6					Sample times:		
					1 - 1.5" 10:05		
7					3 - 3.5' 10:20		
8							
9							
10							
11							

Notes: Checked by Chuck Dusel.

OVERBURDEN BOREHOLE LOG

URS

Borehole No.: **HA - 5**

Project :	Old Agway Phase 1	Surface Elev.:		Date Started:	5/23/2013
	NYSDEC WA D007622-17	Ref. Elev.:		Date Finished:	5/23/2013
Project No.:	11176892.00002	Contractor:		Drilling Method:	4 " Hand Auger
Client:	NYSDEC	Driller:		Water Depth (bgs):	Not Encounterd
Location:	Ballston Spa	Rig Type:		Logged By:	Tim Burmeier

Depth (BGS)	Blow Counts	Sample Type	Recovery/ Length (ft.)	Soil Classification / Symbol (Include depths)	**Lithology Description and Remarks** *Soil Types, Color, Texture, Bedding fabric, Density/Consistency, Plasticity, Moisture*	Moisture *(dry, moist, wet, saturated)*	PID Scan (ppm)
0					0 - 2' Brown, SAND and COBBLES	moist	0
1							
2					2 - 2.5' Brown, Silty SAND and GRAVEL		
3					2.5 - 3.5' Black, Clayey SILT		
4							
5							
6					Sample times:		
					1 - 1.5' 10:50		
7					3 - 3.5' 11:15		
8							
9							
10							
11							

Notes: Checked by Chuck Dusel.

OVERBURDEN BOREHOLE LOG

URS

Borehole No.: **HA - 6**

Project :	Old Agway Phase 2	Surface Elev.:		Date Started:	4/29/2014
	NYSDEC WA D007622-17	Ref. Elev.:		Date Finished:	4/29/2014
Project No.:	11176892.00003	Contractor:		Drilling Method:	4 " Hand Auger
Client:	NYSDEC	Driller:		Water Depth (bgs):	
Location:	Ballston Spa	Rig Type:		Logged By:	JPH

Depth (BGS)	Blow Counts	Sample Type	Recovery/ Length (ft.)	Soil Classification/ Symbol (Include depths)	**Lithology Description and Remarks** *Soil Types, Color, Texture, Bedding fabric, Density/Consistency, Plasticity, Moisture*	Moisture *(dry, moist, wet, saturated)*	PID Scan (ppm)
0					0.0 - 0.8' Sand, dark brown, w/ trace Silt		
					0.8 - 1.7' Medium Brown, SAND and SILT, roots throughout		
1							
2					1.7 - 3.0' SAND and SILT, trace Clay and fine Gravel		
3					3.0 - 4.0' Light brown, SAND, fine with little fine-coarse gravel		
4							
5							
6					Sample times:		
7					0.0 - 2" 14:05 0.0 - 2' 14:15 2.0 - 4.0' 14:35		
8							
9							
10							
11							

Notes: Checked by Chuck Dusel.

OVERBURDEN BOREHOLE LOG

URS

Borehole No.: **HA - 7**

Project :	Old Agway Phase 2	Surface Elev.:		Date Started:	4/29/2014
	NYSDEC WA D007622-17	Ref. Elev.:		Date Finished:	4/29/2014
Project No.:	11176892.00003	Contractor:		Drilling Method:	4 " Hand Auger
Client:	NYSDEC	Driller:		Water Depth (bgs):	
Location:	Ballston Spa	Rig Type:		Logged By:	JPH

Depth (BGS)	Blow Counts	Sample Type	Recovery/ Length (ft.)	Soil Classification / Symbol (Include depths)	**Lithology Description and Remarks** *Soil Types, Color, Texture, Bedding fabric, Density/Consistency, Plasticity, Moisture*	Moisture *(dry, moist, wet, saturated)*	PID Scan (ppm)
0					0.0 - 1.3' Dark brown, SAND, fine with some Silt	Wet	
						Sat.	
1					1.3 - 2.0' Light brown-gray, SAND, fine - medium with fine to coarse gravel		
2					2.0 - 4.0' Light brown-gray, SAND, fine - medium with fine to coarse gravel		
3							
4							
5							
6					Sample times:		
					0.0 - 2" 15:45 w/ MS/MSD		
7					0.0 - 2' 16:00 w/Dupl 1		
					2.0 - 4.0' 16:15 w/Dupl 2		
8							
9							
10							
11							

Notes: Checked by Chuck Dusel.

OVERBURDEN BOREHOLE LOG

URS

Borehole No.: **HA - 8**

Project :	Old Agway Phase 2	Surface Elev.:		Date Started:	4/29/2014
	NYSDEC WA D007622-17	Ref. Elev.:		Date Finished:	4/29/2014
Project No.:	11176892.00003	Contractor:		Drilling Method:	4 " Hand Auger
Client:	NYSDEC	Driller:		Water Depth (bgs):	Saturated at surface.
Location:	Ballston Spa	Rig Type:		Logged By:	Chuck Dusel

Depth (BGS)	Blow Counts	Sample Type	Recovery/ Length (ft.)	Soil Classification / Symbol (Include depths)	**Lithology Description and Remarks** *Soil Types, Color, Texture, Bedding fabric, Density/Consistency, Plasticity, Moisture*	Moisture *(dry, moist, wet, saturated)*	PID Scan (ppm)
0					0.0 - 1.6' Black, SAND and SILT	Sat.	
1					1.6 - 2.0' Gray-black, CLAY, stiff		
2					2.0 - 4.0' Gray-black, CLAY, stiff		
3							
4							
5							
6					Sample times:		
					0.0 - 2" 11:15		
7					0.0 - 2' 11:20		
					2.0 - 4.0' 11:25		
8							
9							
10							
11							

Notes: Checked by John P. Hilton.

OVERBURDEN BOREHOLE LOG

URS

Borehole No.: **HA - 9**

Project :	Old Agway Phase 2	Surface Elev.:		Date Started:	4/29/2014
	NYSDEC WA D007622-17	Ref. Elev.:		Date Finished:	4/29/2014
Project No.:	11176892.00003	Contractor:		Drilling Method:	4 " Hand Auger
Client:	NYSDEC	Driller:		Water Depth (bgs):	Saturated at surface.
Location:	Ballston Spa	Rig Type:		Logged By:	Chuck Dusel

Depth (BGS)	Blow Counts	Sample Type	Recovery/ Length (ft.)	Soil Classification/ Symbol (Include depths)	**Lithology Description and Remarks** *Soil Types, Color, Texture, Bedding fabric, Density/Consistency, Plasticity, Moisture*	Moisture *(dry, moist, wet, saturated)*	PID Scan (ppm)
0					0.0 - 1.5' Black, SAND and SILT	Sat.	
1					1.5 - 3.4' Gray-black, CLAY, stiff		
2					1.5 - 4.0' Gray-black, CLAY, stiff		
3							
4							
5							
6					Sample times:		
					0.0 - 2" 10:45		
7					0.0 - 2' 10:50		
					2.0 - 4.0' 10:55		
8							
9							
10							
11							

Notes: Checked by John P. Hilton.

OVERBURDEN BOREHOLE LOG

URS

Borehole No.: **HA - 10**

Project :	Old Agway Phase 2	Surface Elev.:		Date Started:	4/29/2014
	NYSDEC WA D007622-17	Ref. Elev.:		Date Finished:	4/29/2014
Project No.:	11176892.00003	Contractor:		Drilling Method:	4 " Hand Auger
Client:	NYSDEC	Driller:		Water Depth (bgs):	Saturated at surface.
Location:	Ballston Spa	Rig Type:		Logged By:	Chuck Dusel

Depth (BGS)	Blow Counts	Sample Type	Recovery/ Length (ft.)	Soil Classification/ Symbol (Include depths)	**Lithology Description and Remarks** *Soil Types, Color, Texture, Bedding fabric, Density/Consistency, Plasticity, Moisture*	Moisture *(dry, moist, wet, saturated)*	PID Scan (ppm)
0					0.0 - 2.0' Black, SILT and SAND	Sat.	
1							
2					2.0 - 4.0' CLAY		
3							
4							
5							
6					Sample times:		
					0.0 - 2" 11:00		
7					0.0 - 2' 11:05		
					2.0 - 4.0' 11:10		
8							
9							
10							
11							

Notes: Checked by John P. Hilton.

OVERBURDEN BOREHOLE LOG

URS

Borehole No.: **HA - 11**

Project :	Old Agway Phase 2	Surface Elev.:		Date Started:	4/29/2014
	NYSDEC WA D007622-17	Ref. Elev.:		Date Finished:	4/29/2014
Project No.:	11176892.00003	Contractor:		Drilling Method:	4 " Hand Auger
Client:	NYSDEC	Driller:		Water Depth (bgs):	Not Encountered
Location:	Ballston Spa	Rig Type:		Logged By:	Chuck Dusel

Depth (BGS)	Blow Counts	Sample Type	Recovery/ Length (ft.)	Soil Classification/ Symbol (Include depths)	**Lithology Description and Remarks** *Soil Types, Color, Texture, Bedding fabric, Density/Consistency, Plasticity, Moisture*	Moisture *(dry, moist, wet, saturated)*	PID Scan (ppm)
0					0.0 - 2" No description		
					0.0 - 2.0' Fill: Stone/Gravel		
1							
2					2.0 - 2.5' Fill: Stone/Gravel		
3							
4							
5							
6					Sample times:		
					0.0 - 2" 9:30		
7							
8							
9							
10							
11							

Notes: Checked by John P. Hilton.

APPENDIX G

MONITORING WELL CONSTRUCTION LOGS

DRILLING SUMMARY

Geologist:
Tim Burmeier

Drilling Company:
SJB Services, Inc.

Driller:
Tom Farrell

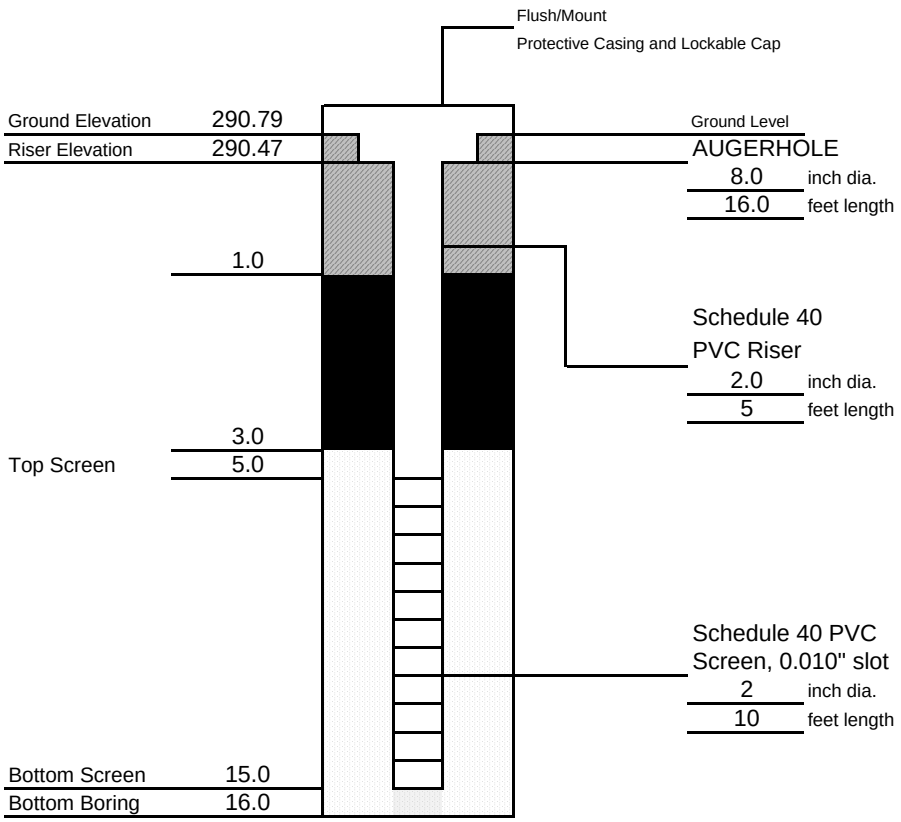
Rig Make/Model:
CME-550 ATV

Date:
5/13/2013

GEOLOGIC LOG

Depth(ft.)	Description
0-3.5	Fill
3.5-14	Clayey silt
14-16	Silty Clay

DEPTH



WELL DESIGN

CASING MATERIAL		*SCREEN MATERIAL*		*FILTER MATERIAL*
Surface:	8"-Flush Mount Roadbox	Type:	2"-Schedule 40 PVC	Type: Fil Pro #0 sand — Setting: 3.0'-16
Monitor	2"-Schedule 40 PVC	Slot Size:	0.010"	*SEAL MATERIAL*
				Type: Bentonite Chips — Setting: 1.0'-3.0'
				Type: Concrete/ Bentonite Grout — Setting: 0.0-1.0'

COMMENTS:

LEGEND

- Cement/Bentonite Grout
- Bentonite Seal
- Silica Sandpack

Client:	**NYSDEC**	**Location:**	**Old Agway Site Ballston Spa, NY**	**Project No.:**	**11176892**
URS Corporation		**MONITORING WELL CONSTRUCTION DETAILS**		**Well Number:**	**MW-1**

DRILLING SUMMARY

Geologist:
Tim Burmeier

Drilling Company

SJB Services, Inc.

Driller:
Tom Farrel

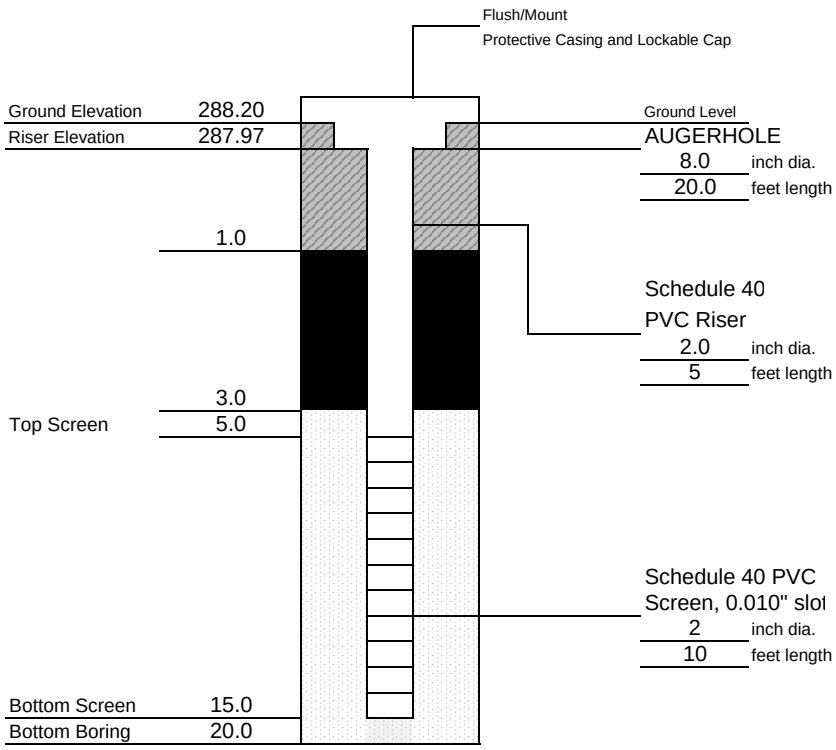
Rig Make/Model:
CME-550 ATV

Date:
5/14/2013

GEOLOGIC LOG

Depth(ft.)	Description
0-10	Fill
10-12	Sand and Clay
12-20	Clayey Silt

D
E
P
T
H



WELL DESIGN

CASING MATERIAL		*SCREEN MATERIAL*		*FILTER MATERIAL*	
Surface:	8"-Flush Mount Roadbox	Type:	2"-Schedule 40 PVC	Type: Fil Pro #0 sand	Setting: 3.0'-20'
				SEAL MATERIAL	
Monitor	2"-Schedule 40 PVC	Slot Size:	0.010"	Type: Bentonite Chips	Setting: 1.0'-3.0'
				Type: Concrete/ Bentonite Grout	Setting: 0.0-1.0'

COMMENTS:

LEGEND

Cement/Bentonite Grout

Bentonite Seal

Silica Sandpack

Client:	**NYSDEC**	**Location:**	**Old Agway Site Ballston Spa, NY**	**Project No.:**	**11176892**
URS Corporation		**MONITORING WELL CONSTRUCTION DETAILS**		**Well Number:**	**MW-2**

DRILLING SUMMARY

Geologist:
Tim Burmeier

Drilling Company
SJB Services, Inc.

Driller:
Tom Farrel

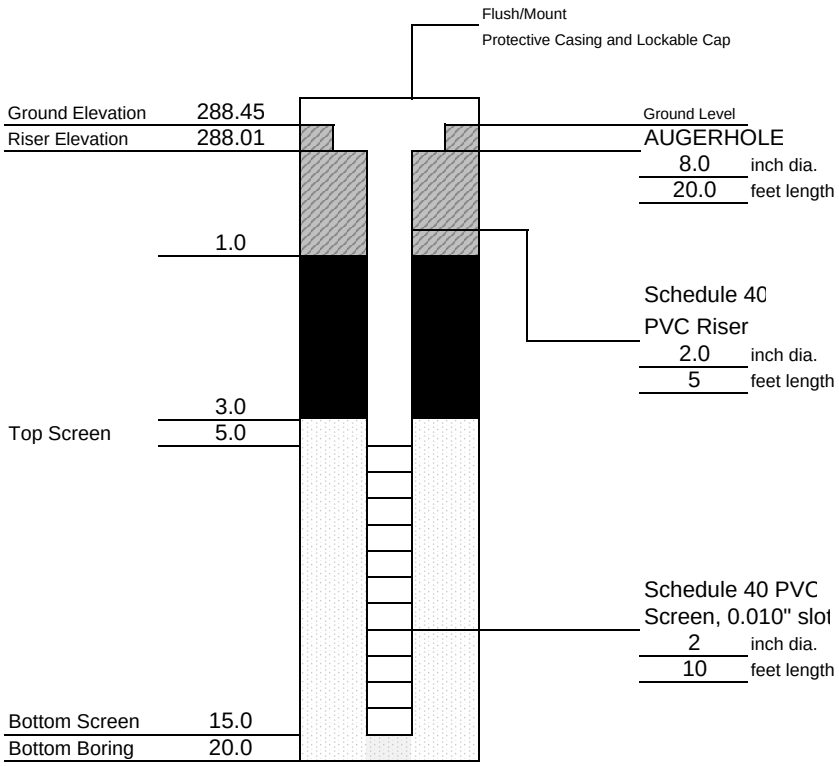
Rig Make/Model
CME-550 ATV

Date:
5/14/2013

GEOLOGIC LOG

Depth(ft.)	Description
0-8	Fill
8-14	Sand, Gravel and Clay
14-20	Clayey Silt

DEPTH



WELL DESIGN

CASING MATERIAL		*SCREEN MATERIAL*		*FILTER MATERIAL*	
Surface:	8"-Flush Mount Roadbox	Type:	2"-Schedule 40 PVC	Type: Fil Pro #0 sand	Setting: 3.0'-20
				SEAL MATERIAL	
Monitor	2"-Schedule 40 PVC	Slot Size:	0.010"	Type: Bentonite Chips	Setting: 1.0'-3.0'
				Type: Concrete/ Bentonite Grout	Setting: 0.0-1.0'

COMMENTS:

LEGEND

- Cement/Bentonite Grout
- Bentonite Seal
- Silica Sandpack

Client: NYSDEC	**Location: Old Agway Site Ballston Spa, NY**	**Project No.: 11176892**
URS Corporation	**MONITORING WELL CONSTRUCTION DETAILS**	**Well Number: MW-3**

DRILLING SUMMARY

Geologist:
Tim Burmeier

Drilling Company

SJB Services, Inc.

Driller:
Tom Farrel

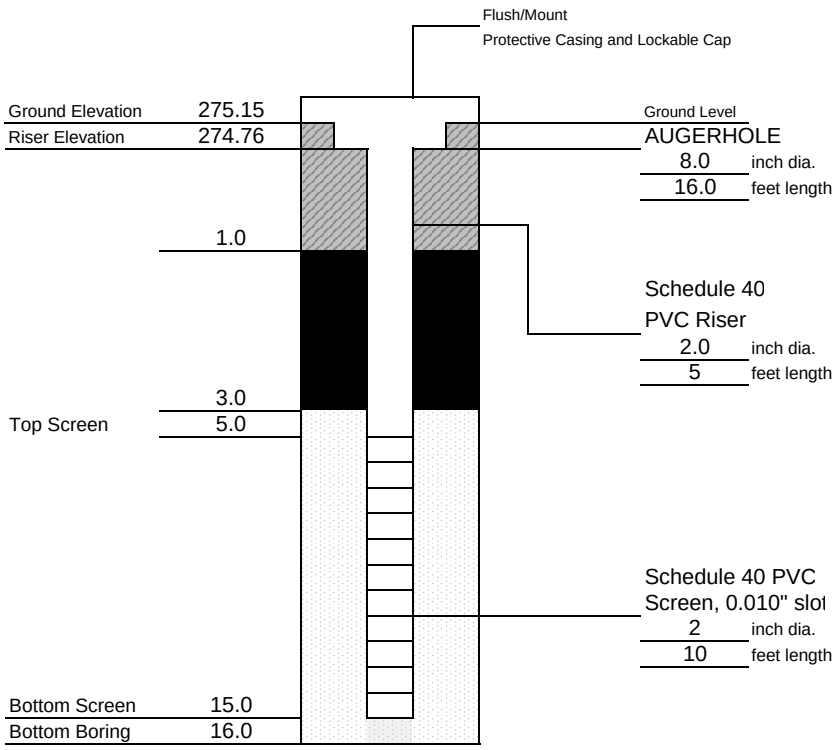
Rig Make/Model:
CME-550 ATV

Date:
5/20/2013

GEOLOGIC LOG

Depth(ft.)	Description
0-4	Fill
4-16	Clayey Silt

DEPTH



WELL DESIGN

CASING MATERIAL		*SCREEN MATERIAL*		*FILTER MATERIAL*	
Surface:	8"-Flush Mount Roadbox	Type:	2"-Schedule 40 PVC	Type: Fil Pro #0 sand	Setting: 3.0'-16
				SEAL MATERIAL	
Monitor	2"-Schedule 40 PVC	Slot Size:	0.010"	Type: Bentonite Chips	Setting: 1.0'-3.0'
				Type: Concrete/ Bentonite Grout	Setting: 0.0-1.0'

COMMENTS:

LEGEND

- Cement/Bentonite Grout
- Bentonite Seal
- Silica Sandpack

Client: **NYSDEC**	**Location:** **Old Agway Site Ballston Spa, NY**	**Project No.:** **11176892**
URS Corporation	**MONITORING WELL CONSTRUCTION DETAILS**	**Well Number:** **MW-4**

DRILLING SUMMARY

Geologist:
Tim Burmeier

Drilling Company

SJB Services, Inc.

Driller:
Tom Farrel

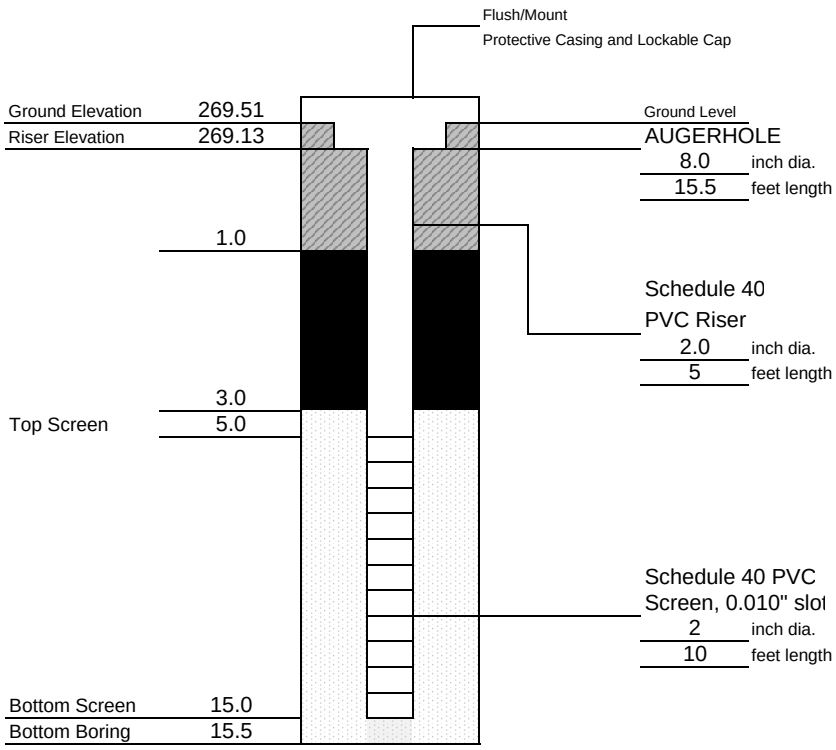
Rig Make/Model:
CME-550 ATV

Date:
5/23/2013

GEOLOGIC LOG

Depth(ft.)	Description
0-4	Fill
4-15.5	Clayey Silt

DEPTH



WELL DESIGN

CASING MATERIAL		*SCREEN MATERIAL*		*FILTER MATERIAL*	
Surface:	8"-Flush Mount Roadbox	Type:	2"-Schedule 40 PVC	Type: Fil Pro #0 sand	Setting: 3.0'-16
Monitor	2"-Schedule 40 PVC	Slot Size:	0.010"	*SEAL MATERIAL*	
				Type: Bentonite Chips	Setting: 1.0'-3.0'
				Type: Concrete/ Bentonite Grout	Setting: 0.0-1.0'

COMMENTS:

LEGEND

Cement/Bentonite Grout

Bentonite Seal

Silica Sandpack

Client:	**NYSDEC**	**Location:**	**Old Agway Site Ballston Spa, NY**	**Project No.:**	**11176892**
URS Corporation		**MONITORING WELL CONSTRUCTION DETAILS**		**Well Number:**	**MW-5**

DRILLING SUMMARY

Geologist:
Tim Burmeier

Drilling Company

SJB Services, Inc.

Driller:
Tom Farrel

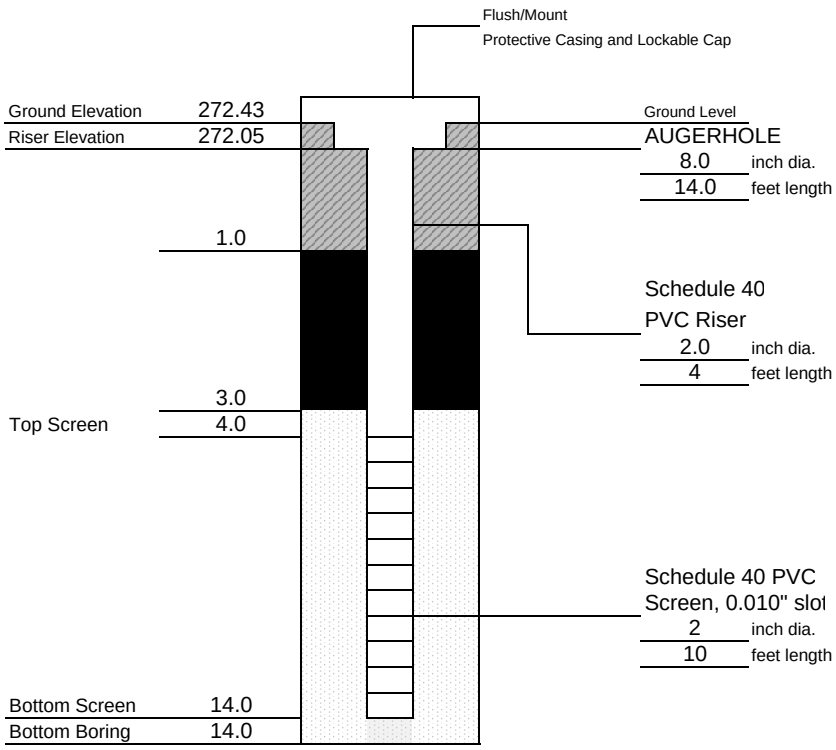
Rig Make/Model:
CME-550 ATV

Date:
5/21/2013

GEOLOGIC LOG

Depth(ft.)	Description
0-4	Fill
4-14	Clayey Silt

DEPTH



WELL DESIGN

CASING MATERIAL		*SCREEN MATERIAL*		*FILTER MATERIAL*	
Surface:	8"-Flush Mount Roadbox	Type:	2"-Schedule 40 PVC	Type: Fil Pro #0 sand	Setting: 3.0'-16
				SEAL MATERIAL	
Monitor	2"-Schedule 40 PVC	Slot Size:	0.010"	Type: Bentonite Chips	Setting: 1.0'-3.0'
				Type: Concrete/ Bentonite Grout	Setting: 0.0-1.0'

COMMENTS:

LEGEND

- Cement/Bentonite Grout
- Bentonite Seal
- Silica Sandpack

Client: **NYSDEC**	**Location:** **Old Agway Site Ballston Spa, NY**	**Project No.:** **11176892**
URS Corporation	**MONITORING WELL CONSTRUCTION DETAILS**	**Well Number:** **MW-6**

DRILLING SUMMARY

Geologist:
John Hilton

Drilling Company:

SJB Services, Inc.

Driller:
Tom Farrell

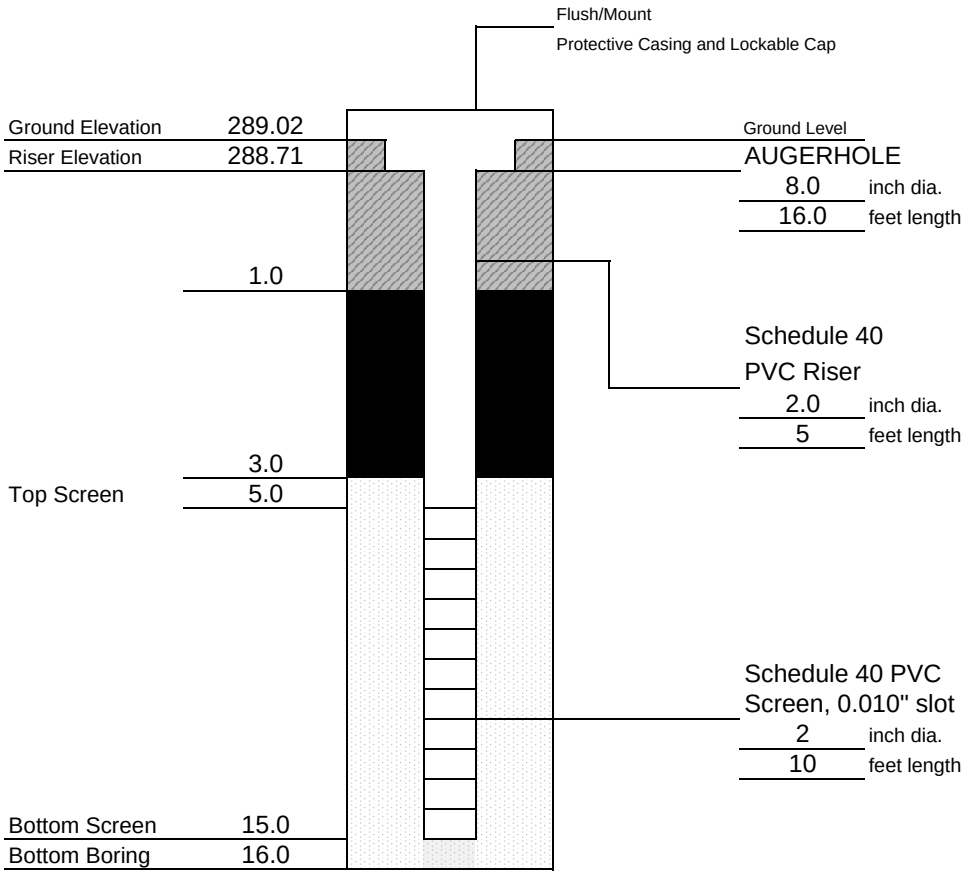
Rig Make/Model:
CME-550 ATV

Date:
4/28/2014

GEOLOGIC LOG

Depth(ft.)	Description
0-4.2	Fill: black-gray, f-med. Sand, tr Silt
4.2-10.9	Sand, yellow-brown, fine-medium, w/ tr-little Silt
10.9-16.0	Silt and Sand, yellow-brown, fine, w/ tr-little Clay

DEPTH



WELL DESIGN

CASING MATERIAL		*SCREEN MATERIAL*		*FILTER MATERIAL*
Surface:	8"-Flush Mount Roadbox	Type:	2"-Schedule 40 PVC	Type: Fil Pro #0 sand — Setting: 3.0'-16
Monitor	2"-Schedule 40 PVC	Slot Size:	0.010"	*SEAL MATERIAL*
				Type: Bentonite Chips — Setting: 1.0'-3.0'
				Type: Concrete/ Bentonite Grout — Setting: 0.0-1.0'

COMMENTS:

LEGEND

- Cement/Bentonite Grout
- Bentonite Seal
- Silica Sandpack

Client: NYSDEC	**Location:** Old Agway Site, Ballston Spa, NY	**Project No.:** 11176892
URS Corporation	**MONITORING WELL CONSTRUCTION DETAILS**	**Well Number:** MW-7

DRILLING SUMMARY

Geologist:
John Hilton

Drilling Company:
SJB Services, Inc.

Driller:
Tom Farrell

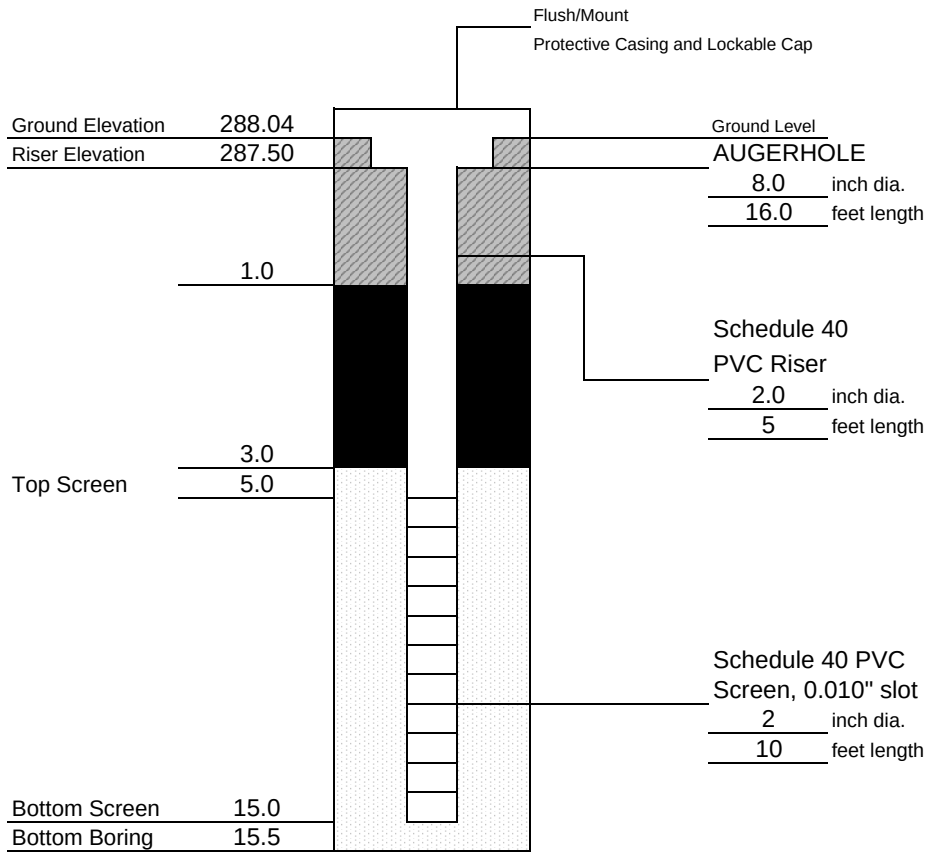
Rig Make/Model:
CME-550 ATV

Date:
4/28/2014

GEOLOGIC LOG

Depth(ft.)	Description
0.0 - 12.0	Fill: Sand, light - medium brown, f-med., tr. Silt and wood
12.0 - 20.0	Clayey Silt, black-gray, stiff-very stiff

D
E
P
T
H



WELL DESIGN

CASING MATERIAL		*SCREEN MATERIAL*		*FILTER MATERIAL*	
Surface:	8"-Flush Mount Roadbox	Type:	2"-Schedule 40 PVC	Type: Fil Pro #0 sand	Setting: 3.0'-15.5'
Monitor	2"-Schedule 40 PVC	Slot Size:	0.010"	*SEAL MATERIAL*	
				Type: Bentonite Chips	Setting: 1.0'-3.0'
				Type: Concrete/ Bentonite Grout	Setting: 0.0-1.0'

COMMENTS:
Soil samples described above presented in the geologic log for SB-4 previously advanced on 5/16/13 during Phase I investigation.
New boring for well MW-8 advanced on 4/28/14 without sampling.

LEGEND
- Cement/Bentonite Grout
- Bentonite Seal
- Silica Sandpack

Client:	**NYSDEC**	**Location:**	**Old Agway Site Ballston Spa, NY**	**Project No.:**	**11176892**
URS Corporation		**MONITORING WELL CONSTRUCTION DETAILS**		**Well Number:**	**MW-8**

DRILLING SUMMARY

Geologist:
John Hilton

Drilling Company:
SJB Services, Inc.

Driller:
Tom Farrell

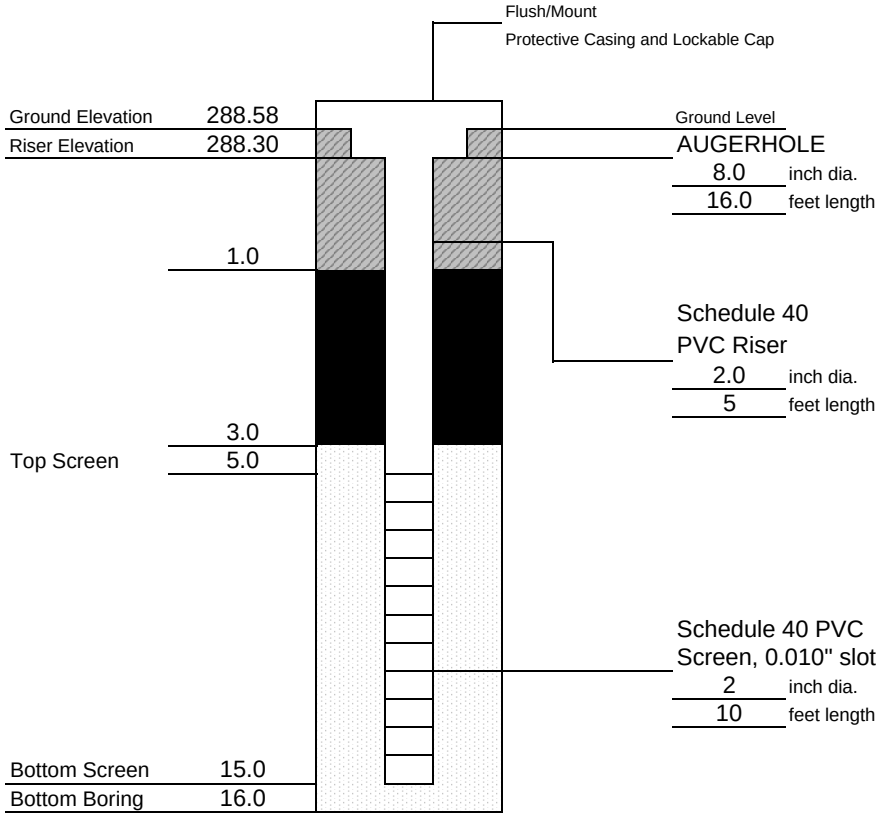
Rig Make/Model:
CME-550 ATV

Date:
4/29/2014

GEOLOGIC LOG

Depth(ft.)	Description
0-6.4	Fill: Sand, dark brown, fine-med.
6.4- 10.0	Sand and Silt, brown-gray, f-med. w/ fine Gravel
10.0-14.0	Sand, black-gray, f-med., w/ tr-little fine Gravel
14.0-16.0	Silt, Lt. gray, firm, w/ trace Clay

D E P T H



WELL DESIGN

CASING MATERIAL		*SCREEN MATERIAL*		*FILTER MATERIAL*
Surface:	8"-Flush Mount Roadbox	Type:	2"-Schedule 40 PVC	Type: Fil Pro #0 sand — Setting: 3.0'-16
Monitor	2"-Schedule 40 PVC	Slot Size:	0.010"	*SEAL MATERIAL*
				Type: Bentonite Chips — Setting: 1.0'-3.0'
				Type: Concrete/ Bentonite Grout — Setting: 0.0-1.0'

COMMENTS:

LEGEND

- Cement/Bentonite Grout
- Bentonite Seal
- Silica Sandpack

Client: NYSDEC	**Location:** Old Agway Site, Ballston Spa, NY	**Project No.:** 11176892
URS Corporation	**MONITORING WELL CONSTRUCTION DETAILS**	**Well Number:** MW-9

DRILLING SUMMARY

Geologist:
John Hilton

Drilling Company:
SJB Services, Inc.

Driller:
Tom Farrell

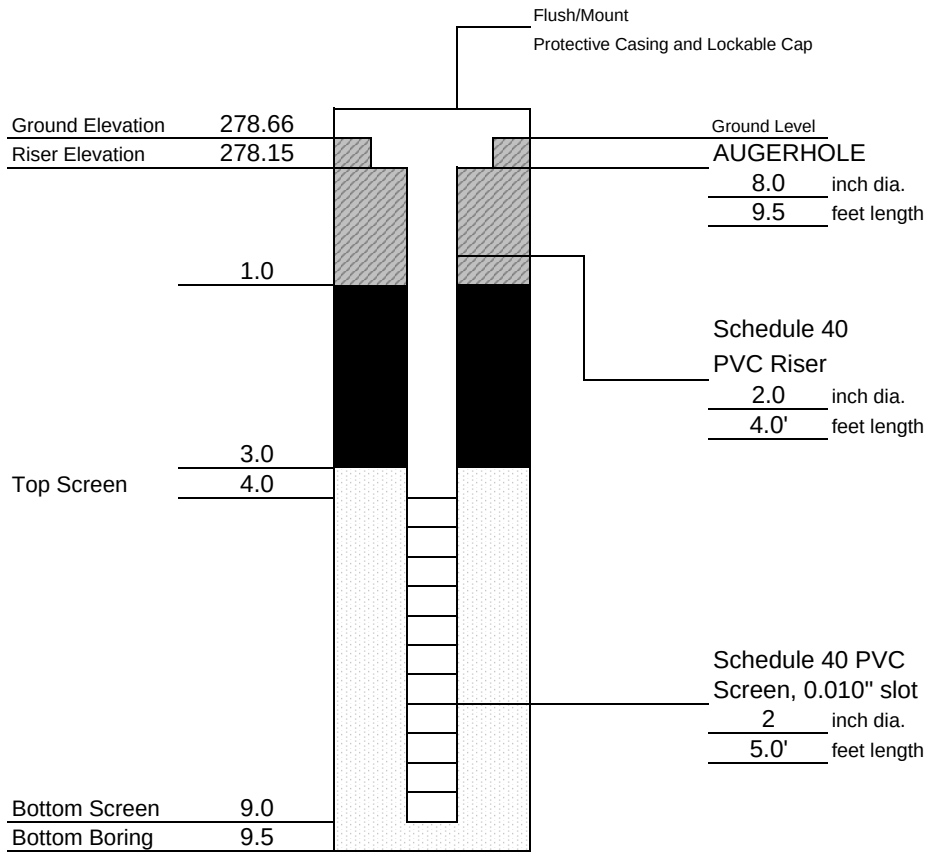
Rig Make/Model:
CME-550 ATV

Date:
4/29/2014

GEOLOGIC LOG

Depth(ft.)	Description
0.0 - 0.3	Sand and Gravel, dark brown, fine-med.
0.3 - 2.0	Silt and Sand, brown-gray, w/ trace Clay and Gravel.
2.0 - 8.0	Silt and Sand, olive-gray, w/ trace Clay and Gravel.
8.0 - 9.5	Silt and Sand, dark gray-black, w/ little fine-crs. Gravel and cobbles > 3" dia., dense.
9.5	Refusal

D
E
P
T
H



WELL DESIGN

CASING MATERIAL		*SCREEN MATERIAL*		*FILTER MATERIAL*	
Surface:	8"-Flush Mount Roadbox	Type:	2"-Schedule 40 PVC	Type: Fil Pro #0 sand	Setting: 3.0'-9.5'
Monitor	2"-Schedule 40 PVC	Slot Size:	0.010"	*SEAL MATERIAL*	
				Type: Bentonite Chips	Setting: 1.0'-3.0'
				Type: Concrete/ Bentonite Grout	Setting: 0.0-1.0'

COMMENTS:

LEGEND

- Cement/Bentonite Grout
- Bentonite Seal
- Silica Sandpack

Client: NYSDEC	**Location:** Old Agway Site, Ballston Spa, NY	**Project No.:** 11176892
URS Corporation	**MONITORING WELL CONSTRUCTION DETAILS**	**Well Number:** MW-10

APPENDIX H

MONITORING WELL DEVELOPMENT LOGS

WELL DEVELOPMENT LOG

URS Corporation

PROJECT TITLE: Old Agway Site WELL NO.: **MW-1**

PROJECT NO.: 11176892

STAFF: Tim Burmeier, Justin King

DATE(S): 5/21/2013, 5/30/13, 5/31/13

			WELL ID.	VOL. (GAL/FT)
1. TOTAL CASING AND SCREEN LENGTH (FT.)	=	15.0	1"	0.04
2. WATER LEVEL BELOW TOP OF CASING (FT.)	=	3.09	2"	0.17
3. NUMBER OF FEET STANDING WATER (#1 - #2)	=	11.9	3"	0.38
4. VOLUME OF WATER/FOOT OF CASING (GAL.)	=	0.17	4"	0.66
5. VOLUME OF WATER IN CASING (GAL.)(#3 x #4)	=	2.0	5"	1.04
6. VOLUME OF WATER TO REMOVE (GAL.)(#5 x ___)	=	6.1	6"	1.50
7. VOLUME OF WATER ACTUALLY REMOVED (GAL.)	=	35	8"	2.60

OR

$V=0.0408 \times (\text{CASING DIAMETER})^2$

	ACCUMULATED VOLUME PURGED (GALLONS)										
PARAMETERS	Initial	7	9	11	13	15	17	19	21	23	25
pH	not recorded	8.41	7.66	7.50	7.57	7.58	7.94	7.66	7.58	7.41	7.24
SPEC. COND. (ms/cm)	not recorded	2.14	1.87	2.50	2.37	2.21	1.93	1.96	2.01	2.20	2.00
APPEARANCE	not recorded	cloudy	brown	turbid	turbid	turbid	cloudy	lt. brown	lt. brown	lt. brown	lt. brown
TEMPERATURE (°C)	not recorded	15.41	14.7	15.25	14.65	15.15	19.75	17.44	16.94	16.74	18.97
TURBIDITY (NTU)	not recorded	>1000	>1000	>800	>800	784	>800	>800	>800	>800	>800
DEPTH TO WATER	3.09	1.83	5.12	7.41	9.09	12.14	2.12	2.12	4.87	7.63	13.70

COMMENTS:

On 5/21/13 bailed down well from 3.09 to 14.5 feet below top of riser, removed 7 gallons of water, recharged in 4 hours.

On 5/30/13 pumped dry after 8 gallons removed with 1-inch whale pump, returned in afternoon to resume.

On 5/31/13 pumped dry after 8 gallons removed.

WELL DEVELOPMENT LOG

URS Corporation

PROJECT TITLE: Old Agway Site WELL NO.: **MW-1**

PROJECT NO.: 11176892

STAFF: Tim Burmeier, Justin King

DATE(S): 5/21/2013, 5/30/13, 5/31/13

			WELL ID.	VOL. (GAL/FT)
1. TOTAL CASING AND SCREEN LENGTH (FT.)	=	15.0	1"	0.04
2. WATER LEVEL BELOW TOP OF CASING (FT.)	=	3.09	2"	0.17
3. NUMBER OF FEET STANDING WATER (#1 - #2)	=	11.9	3"	0.38
4. VOLUME OF WATER/FOOT OF CASING (GAL.)	=	0.17	4"	0.66
5. VOLUME OF WATER IN CASING (GAL.)(#3 x #4)	=	2.0	5"	1.04
6. VOLUME OF WATER TO REMOVE (GAL.)(#5 x ___)	=	6.1	6"	1.50
7. VOLUME OF WATER ACTUALLY REMOVED (GAL.)	=	35	8"	2.60

OR

$V=0.0408 \times (\text{CASING DIAMETER})^2$

	ACCUMULATED VOLUME PURGED (GALLONS)										
PARAMETERS	27	29	31	33	35						
pH	8.13	7.45	7.59	7.63	7.40						
SPEC. COND. (ms/cm)	2.0	2.12	2.16	2.42	2.15						
APPEARANCE	cloudy	lt. brown	lt. brown	lt. brown	lt. brown						
TEMPERATURE (°C)	19.15	22.13	17.96	15.84	15.40						
TURBIDITY (NTU)	>800	>800	>800	>800	>800						
DEPTH TO WATER	2.01	6.42	8.08	9.38	13.74						

COMMENTS: On 5/21/13 bailed down well from 3.09 to 14.5 feet below top of riser, removed 7 gallons of water, recharged in 4 hours. On 5/31/13 pumped dry after 8 gallons removed with 1-inch diameter whale pump.

WELL DEVELOPMENT LOG

URS Corporation

PROJECT TITLE: Old Agway Site WELL NO.: **MW-2**

PROJECT NO.: 11176892

STAFF: Tim Burmeier, Justin King

DATE(S): 5/23/2013, 5/30/13

			WELL ID.	VOL. (GAL/FT)
1. TOTAL CASING AND SCREEN LENGTH (FT.)	=	14.9	1"	0.04
2. WATER LEVEL BELOW TOP OF CASING (FT.)	=	6.4	2"	0.17
3. NUMBER OF FEET STANDING WATER (#1 - #2)	=	8.5	3"	0.38
4. VOLUME OF WATER/FOOT OF CASING (GAL.)	=	0.17	4"	0.66
5. VOLUME OF WATER IN CASING (GAL.)(#3 x #4)	=	1.4	5"	1.04
6. VOLUME OF WATER TO REMOVE (GAL.)(#5 x ___)	=	4.3	6"	1.50
7. VOLUME OF WATER ACTUALLY REMOVED (GAL.)	=	49	8"	2.60

OR

$V=0.0408 \times (\text{CASING DIAMETER})^2$

	ACCUMULATED VOLUME PURGED (GALLONS)										
PARAMETERS	Initial	5	9	14	19	24	29	34	39	44	49
pH	6.78	7.52	7.56	7.59	7.39	7.48	7.31	7.41	7.58	7.46	7.45
SPEC. COND. (ms/cm)	0.91	0.64	0.61	0.52	0.58	0.53	0.52	0.55	0.53	0.52	2.86
APPEARANCE	Dark gray	Dark gray	Dark gray	gray	gray	gray	gray	gray	gray	gray	gray
TEMPERATURE (°C)	20.6	13.8	12.5	15.54	16.57	15.26	16.03	20.39	19.05	16.78	22.65
TURBIDITY (NTU)	>1000	>1000	>1000	>800	>800	>800	>800	>800	>800	>800	>800
DEPTH TO WATER	6.40	11.20	13.09	11.48	9.12	12.14	13.09	9.08	10.71	13.02	12.76

COMMENTS: On 5/23/13 - bailed down well from 6.40 to 13.09 feet below top of riser, removed 9 gallons of water.
On 5/30/13 pumped down with 1-inch diameter whale pump and allowed well to recharge at 17, 24, 29, and 44 gallons.

WELL DEVELOPMENT LOG

URS Corporation

PROJECT TITLE: Old Agway Site WELL NO.: **MW-3**

PROJECT NO.: 11176892

STAFF: Tim Burmeier, Justin King

DATE(S): 5/23/2013, 5/30/13

			WELL ID.	VOL. (GAL/FT)
1. TOTAL CASING AND SCREEN LENGTH (FT.)	=	15.0	1"	0.04
2. WATER LEVEL BELOW TOP OF CASING (FT.)	=	6.70	2"	0.17
3. NUMBER OF FEET STANDING WATER (#1 - #2)	=	8.3	3"	0.38
4. VOLUME OF WATER/FOOT OF CASING (GAL.)	=	0.17	4"	0.66
5. VOLUME OF WATER IN CASING (GAL.)(#3 x #4)	=	1.4	5"	1.04
6. VOLUME OF WATER TO REMOVE (GAL.)(#5 x ___)	=	4.2	6"	1.50
7. VOLUME OF WATER ACTUALLY REMOVED (GAL.)	=	40	8"	2.60

OR

$V=0.0408 \times (\text{CASING DIAMETER})^2$

	ACCUMULATED VOLUME PURGED (GALLONS)										
PARAMETERS	Initial	5	10	15	20	25	30	35	40		
pH	7.42	7.43	7.39	7.35	7.40	7.41	7.49	7.31	7.44		
SPEC. COND. (ms/cm)	1.58	1.42	1.4	1.44	1.40	1.46	1.11	1.09	1.07		
APPEARANCE	Dark gray	Dark gray	Dark gray	Dark gray	Dark gray	Dark gray	gray	gray	gray		
TEMPERATURE (°C)	15.4	12.9	12.7	11.7	11.5	12.4	19.6	18.78	18.21		
TURBIDITY (NTU)	>1000	>1000	>1000	>1000	>1000	>1000	>800	>800	>800		
DEPTH TO WATER	6.70	6.70	6.80	6.81	6.91	NR	5.44	5.43	5.45		

COMMENTS: On 5/23/13 - bailed 25 gallons of water with good recharge.
On 5/30/13 developed using 1-inch diameter whale pump.

WELL DEVELOPMENT LOG

URS Corporation

PROJECT TITLE: Old Agway Site WELL NO.: **MW-4**

PROJECT NO.: 11176892

STAFF: Tim Burmeier, Justin King

DATE(S): 5/24/2013, 5/31/13

			WELL ID.	VOL. (GAL/FT)
1. TOTAL CASING AND SCREEN LENGTH (FT.)	=	15.0	1"	0.04
2. WATER LEVEL BELOW TOP OF CASING (FT.)	=	3.56	2"	0.17
3. NUMBER OF FEET STANDING WATER (#1 - #2)	=	11.4	3"	0.38
4. VOLUME OF WATER/FOOT OF CASING (GAL.)	=	0.17	4"	0.66
5. VOLUME OF WATER IN CASING (GAL.)(#3 x #4)	=	1.9	5"	1.04
6. VOLUME OF WATER TO REMOVE (GAL.)(#5 x ___)	=	5.8	6"	1.50
7. VOLUME OF WATER ACTUALLY REMOVED (GAL.)	=	40	8"	2.60

OR

$V=0.0408 \times (\text{CASING DIAMETER})^2$

	ACCUMULATED VOLUME PURGED (GALLONS)										
PARAMETERS	Initial	5	10	15	20	25	30	35	40	45	
pH	7.34	7.58	7.65	7.71	8.02	7.85	7.76	7.71	7.63	7.63	
SPEC. COND. (ms/cm)	1.40	1.34	1.4	1.39	1.44	1.46	1.69	1.66	1.51	1.58	
APPEARANCE	Dark gray	Dark gray	Dark gray	Dark gray	Dark gray	Dark gray	gray	gray	gray	gray	
TEMPERATURE (°C)	12.7	12.8	12.5	12.8	11.1	11.7	20.54	18.87	22.40	20.01	
TURBIDITY (NTU)	>1000	>1000	>1000	>1000	>1000	>1000	>800	>800	>800	>800	
DEPTH TO WATER	3.56	4.10	3.80	4.10	4.15	4.20	6.60	6.31	6.24	6.5	

COMMENTS: On 5/24/13 - bailed 25 gallons of water with good recharge.
On 5/31/13 developed using 1-inch diameter whale pump.

WELL DEVELOPMENT LOG

URS Corporation

PROJECT TITLE: Old Agway Site WELL NO.: **MW-5**

PROJECT NO.: 11176892

STAFF: Tim Burmeier, Justin King

DATE(S): 5/24/2013, 5/30/13

			WELL ID.	VOL. (GAL/FT)
1. TOTAL CASING AND SCREEN LENGTH (FT.)	=	15.0	1"	0.04
2. WATER LEVEL BELOW TOP OF CASING (FT.)	=	10.67	2"	0.17
3. NUMBER OF FEET STANDING WATER (#1 - #2)	=	4.3	3"	0.38
4. VOLUME OF WATER/FOOT OF CASING (GAL.)	=	0.17	4"	0.66
5. VOLUME OF WATER IN CASING (GAL.)(#3 x #4)	=	0.7	5"	1.04
6. VOLUME OF WATER TO REMOVE (GAL.)(#5 x ___)	=	2.2	6"	1.50
7. VOLUME OF WATER ACTUALLY REMOVED (GAL.)	=	40	8"	2.60

OR

$V=0.0408 \times (\text{CASING DIAMETER})^2$

	ACCUMULATED VOLUME PURGED (GALLONS)										
PARAMETERS	Initial	2	4	6	8	10	12				
pH	8.40	8.07	8.16	8.19	8.28	8.14	8.17				
SPEC. COND. (ms/cm)	1.32	2.45	2.39	2.53	2.21	2.08	2.21				
APPEARANCE	gray	gray	Dark gray	Dark gray	Dark gray	Dark gray	Dark gray				
TEMPERATURE (°C)	11.8	16.05	15.55	15.5	14.72	15.8	15.65				
TURBIDITY (NTU)	>1000	>800	>800	>800	>800	>800	>800				
DEPTH TO WATER	10.67	3.84	5.11	6.84	10.4	7.76	11.38				

COMMENTS: On 5/24/13 - bailed 2 gallons of water to dryness.
On 5/31/13 developed using 1-inch diameter whale pump.

WELL DEVELOPMENT LOG

URS Corporation

PROJECT TITLE: Old Agway Site WELL NO.: **MW-6**

PROJECT NO.: 11176892

STAFF: Tim Burmeier, Justin King

DATE(S): 5/24/2013, 5/30/13

			WELL ID.	VOL. (GAL/FT)
1. TOTAL CASING AND SCREEN LENGTH (FT.)	=	14.0	1"	0.04
2. WATER LEVEL BELOW TOP OF CASING (FT.)	=	5.20	2"	0.17
3. NUMBER OF FEET STANDING WATER (#1 - #2)	=	8.8	3"	0.38
4. VOLUME OF WATER/FOOT OF CASING (GAL.)	=	0.17	4"	0.66
5. VOLUME OF WATER IN CASING (GAL.)(#3 x #4)	=	1.5	5"	1.04
6. VOLUME OF WATER TO REMOVE (GAL.)(#5 x ___)	=	4.5	6"	1.50
7. VOLUME OF WATER ACTUALLY REMOVED (GAL.)	=	20	8"	2.60

OR

$V=0.0408 \times (\text{CASING DIAMETER})^2$

	ACCUMULATED VOLUME PURGED (GALLONS)										
PARAMETERS	Initial	5	8	10	12	14	12	14	16	18	20
pH	7.74	8.04	8.08	8.04	7.95	7.71	8.00	7.60	7.87	7.70	7.50
SPEC. COND. (ms/cm)	1.46	1.4	1.4	1.26	1.29	1.67	NR	1.56	1.57	1.57	1.60
APPEARANCE	Dark gray	Dark gray	Dark gray	gray	gray	gray	gray	gray	gray	gray	gray
TEMPERATURE (°C)	10.2	9.9	9.7	13.39	12.54	12.07	17.74	17.01	16.32	14.95	14.2
TURBIDITY (NTU)	>1000	>1000	>1000	>800	>800	>800	>800	>800	>800	>800	>800
DEPTH TO WATER	5.20	8.80	13.00	6.12	10.02	12.71	10.57	12.52	6.65	10.41	12.74

COMMENTS: On 5/24/13 bailed 8 gallons of water to dryness.
On 5/30/13 developed using 1-inch diameter whale pump-pumped to dryness twice. Recovered 4.5 feet in 3.5 hours.

WELL DEVELOPMENT LOG

URS Corporation

PROJECT TITLE: Old Agway Site WELL NO.: **MW-7**

PROJECT NO.: 11176892

STAFF: John Hilton

DATE(S): 4/30/2014, 5/1/2014, 5/2/2014

			WELL ID.	VOL. (GAL/FT)
1. TOTAL CASING AND SCREEN LENGTH (FT.)	=	14.62	1"	0.04
2. WATER LEVEL BELOW TOP OF CASING (FT.)	=	4.10	2"	0.17
3. NUMBER OF FEET STANDING WATER (#1 - #2)	=	10.5	3"	0.38
4. VOLUME OF WATER/FOOT OF CASING (GAL.)	=	0.17	4"	0.66
5. VOLUME OF WATER IN CASING (GAL.)(#3 x #4)	=	1.8	5"	1.04
6. VOLUME OF WATER TO REMOVE (GAL.)(#5 x 10)	=	17.9	6"	1.50
7. VOLUME OF WATER ACTUALLY REMOVED (GAL.)	=	57	8"	2.60
			OR	
			$V=0.0408 \times (\text{CASING DIAMETER})^2$	

	4/30/14				5/1/14				5/2/14		
	ACCUMULATED VOLUME PURGED (GALLONS)										
PARAMETERS	Initial	10	16	20	30	35	40	47	54	57	
pH	6.52	6.73	6.81	6.88	6.86	6.99	7.00	6.89	6.81	6.84	
SPEC. COND. (ms/cm)	1.86	1.84	1.83	1.79	1.77	1.82	1.80	1.76	1.73	1.70	
APPEARANCE	gray	Dark gray	Lt. Brown	Lt. Brown	Lt. Brown	Lt. Brown	Lt. Brown	Lt. Brown	Lt. Brown	Lt. Brown	
TEMPERATURE (°C)	9.0	8.5	8.8	8.1	9.3	10.5	10.4	9.8	8.8	8.8	
TURBIDITY (NTU)	>1000	>1000	>1000	>1000	>1000	>1000	>1000	>1000	>1000	>1000	
DEPTH TO WATER	4.10	4.62	4.47	3.81	4.35	4.18	3.7	3.81	3.8	3.8	

COMMENTS:

On 4/30, 5/1 and 5/2/14 developed monitoring well using 1-inch diameter whale pump.
Whale pump installed at bottom of well prior to pumping.
Well pumped to dryness after removing approximately 6 gallons.
Well characterized with moderate recharge rate.

WELL DEVELOPMENT LOG

URS Corporation

PROJECT TITLE: Old Agway Site WELL NO.: **MW-8**

PROJECT NO.: 11176892

STAFF: John Hilton

DATE(S): 4/29/2014, 5/2/2014

			WELL ID.	VOL. (GAL/FT)
1. TOTAL CASING AND SCREEN LENGTH (FT.)	=	14.60	1"	0.04
2. WATER LEVEL BELOW TOP OF CASING (FT.)	=	5.52	2"	0.17
3. NUMBER OF FEET STANDING WATER (#1 - #2)	=	9.00	3"	0.38
4. VOLUME OF WATER/FOOT OF CASING (GAL.)	=	0.17	4"	0.66
5. VOLUME OF WATER IN CASING (GAL.)(#3 x #4)	=	1.5	5"	1.04
6. VOLUME OF WATER TO REMOVE (GAL.)(#5 x 10)	=	15.3	6"	1.50
7. VOLUME OF WATER ACTUALLY REMOVED (GAL.)	=	50	8"	2.60

OR

$V=0.0408 \times (\text{CASING DIAMETER})^2$

	4/29/14	5/2/14

	ACCUMULATED VOLUME PURGED (GALLONS)										
PARAMETERS	Initial	10	20	30	40	45	50				
pH	6.40	6.35	6.30	6.30	6.32	6.39	6.37				
SPEC. COND. (ms/cm)	1.32	1.31	1.26	1.27	1.28	1.27	1.26				
APPEARANCE	Black	Black	gray cloudy	gray cloudy	clear	clear	clear				
TEMPERATURE (°C)	7.5	7.1	6.8	6.7	6.7	7.3	7.0				
TURBIDITY (NTU)	>1000	>1000	55.0	54.3	7.8	4.3	2.2				
DEPTH TO WATER	5.52	6.14	6.70	6.00	6.08	5.75	6.45				

COMMENTS:

On 4/29 and 5/2/14 developed monitoring well using 1-inch diameter whale pump.
On 4/29/14, whale pump installed at bottom of well prior to pumping. Pump set at top of water column prior to pumping on 5/2/14.
Unable to pump water level below 6.7' below top of riser when using whale pump. Well yield > 1 gpm.
Purged water characterized with slight sulfur odor.

WELL DEVELOPMENT LOG

URS Corporation

PROJECT TITLE: Old Agway Site WELL NO.: **MW-9**

PROJECT NO.: 11176892

STAFF: John Hilton

DATE(S): 4/29/2014

			WELL ID.	VOL. (GAL/FT)
1. TOTAL CASING AND SCREEN LENGTH (FT.)	=	15.15	1"	0.04
2. WATER LEVEL BELOW TOP OF CASING (FT.)	=	5.81	2"	0.17
3. NUMBER OF FEET STANDING WATER (#1 - #2)	=	9.34	3"	0.38
4. VOLUME OF WATER/FOOT OF CASING (GAL.)	=	0.17	4"	0.66
5. VOLUME OF WATER IN CASING (GAL.)(#3 x #4)	=	1.6	5"	1.04
6. VOLUME OF WATER TO REMOVE (GAL.)(#5 x 10)	=	15.9	6"	1.50
7. VOLUME OF WATER ACTUALLY REMOVED (GAL.)	=	45	8"	2.60

OR

$V=0.0408 \times (\text{CASING DIAMETER})^2$

	ACCUMULATED VOLUME PURGED (GALLONS)										
PARAMETERS	Initial	10	20	30	40	45					
pH	None	6.63	6.62	6.62	6.62	6.61					
SPEC. COND. (ms/cm)	None	2.03	2.03	2.04	2.03	2.02					
APPEARANCE	None	gray	Lt. brwn cloudy	clear	clear	clear					
TEMPERATURE (°C)	None	7.5	6.9	6.7	7.3	7.2					
TURBIDITY (NTU)	None	67.6	51.2	14.1	13.3	9.5					
DEPTH TO WATER	5.81	6.30	6.35	6.30	6.30	6.30					

COMMENTS:

On 4/29/14 developed monitoring well using 1-inch diameter whale pump.
On 4/29/14, whale pump installed at bottom of well prior to pumping.
Unable to pump water level below 6.3' below top of riser when using whale pump. Well yield > 1 gpm.
Development completed after purging 45 gallons.

WELL DEVELOPMENT LOG

URS Corporation

PROJECT TITLE: Old Agway Site WELL NO.: **MW-10**

PROJECT NO.: 11176892

STAFF: John Hilton

DATE(S): 5/1/2014, 5/2/2014

			WELL ID.	VOL. (GAL/FT)
1. TOTAL CASING AND SCREEN LENGTH (FT.)	=	8.65	1"	0.04
2. WATER LEVEL BELOW TOP OF CASING (FT.)	=	0.75	2"	0.17
3. NUMBER OF FEET STANDING WATER (#1 - #2)	=	7.9	3"	0.38
4. VOLUME OF WATER/FOOT OF CASING (GAL.)	=	0.17	4"	0.66
5. VOLUME OF WATER IN CASING (GAL.)(#3 x #4)	=	1.3	5"	1.04
6. VOLUME OF WATER TO REMOVE (GAL.)(#5 x 10)	=	13.4	6"	1.50
7. VOLUME OF WATER ACTUALLY REMOVED (GAL.)	=	17	8"	2.60
			OR	
			$V=0.0408 \times (\text{CASING DIAMETER})^2$	

	5/1/14	5/2/14

	ACCUMULATED VOLUME PURGED (GALLONS)										
PARAMETERS	Initial	5	7	10	12	15	17				
pH	8.21	7.89	7.84	7.95	7.81	7.82	7.91				
SPEC. COND. (ms/cm)	4.06	3.78	3.77	3.71	3.83	3.73	3.60				
APPEARANCE	Lt. gray cloudy	Lt. gray cloudy	Lt. gray cloudy	Lt. gray silty	green tint	green tint	green tint				
TEMPERATURE (°C)	9.7	7.7	9.2	8.5	8.9	7.3	7.3				
TURBIDITY (NTU)	70.0	932.0	81.7	55.1	46.9	61.1	2.1				
DEPTH TO WATER	0.75	7.20	7.40	3.85	various >6.0	1.28	7.40				

COMMENTS:

On 5/1 and 5/2/14, developed monitoring well using 1-inch diameter whale pump.
Whale pump installed at bottom of well prior to pumping.
Well pumped to dryness after removing approximately 4 gallons.
Well characterized with slow recharge rate.

APPENDIX I

AQUIFER TESTING DATA AND RESULTS

SECTION 1:

SUMMARY OF RESULTS, AQTESOLV INPUT DATA, AND FIELD DATA

Old Agway- Slug Tests
Summary of Results

Well ID	Hydraulic Conductivity [cm/sec]									
	FH1	RH1	FH2	RH2	FH3	RH3	FH4	RH4	N(**)	Mean (***)
MW-1	2.42E-06	1.66E-06	NA	NA	NA	NA	NA	NA	2	2.00E-06
MW-2	2.95E-05	1.28E-04	2.61E-05	8.19E-05	NA	NA	NA	NA	4	5.34E-05
MW-3	5.11E-04	1.08E-03	5.49E-04	1.22E-03	NA	NA	NA	NA	4	7.81E-04
MW-4	5.31E-05	3.99E-05	5.21E-05	4.57E-05	NA	NA	NA	NA	4	4.74E-05
MW-5	3.14E-07	INVALID	NA	NA	NA	NA	NA	NA	1	3.14E-07
MW-6	INVALID	INVALID	INVALID	INVALID	INVALID	INVALID	INVALID	INVALID	0	NA

(**) - number of valid tests
(***) - geometric mean

FH - Falling head test
RH - Rising head test
NA- Not applicable (no test)

Note:
-For all graphs, normalized head is defined as H(t)/Ho, where H(t) is the displacement measured at time t and Ho is the initial displacement at time t=0.

-While the geometric mean for both the falling and rising head tests are given, it is understood that the rising head tests more accurately describe the overall hydraulic characteristics of the aquifer.
(See attached reference, *The Bouwer and Rice Slug Test - An Update*)

-Curve of best fit for all graphs were interpreted from the initial portion of each data set where well screens are fully submerged during testing. i.e., the developed sand pack cannot drain and inflow/outflow from the well is attributed to the aquifer.
(See attached reference, *The Bouwer and Rice Slug Test - An Update*)

Old Agway- Slug Tests
Well Construction Details

Well ID	Formation	Screen Length		Radii			Aquifer Thickness	Depth from Aquifer Top	
		Total	Submerged	Screen (*)	Casing			to Top of Screen	to Bottom of Screen
					Actual	Equivalent			
		L_e	$L_{e\text{-}sub}$	r_w	r_c	$r_{c\text{-}eq}$ (**)	H	d	L_w
		[ft]	[ft]	[in]	[in]	[in]	[ft]	[ft]	[ft]
MW-1	Overburden	10.0	10.0	4.00	1.00	1.00	13.87	2.87	12.87
MW-2	Overburden	10.0	9.08	4.00	1.00	2.35	14.08	-0.92	9.08
MW-3	Overburden	10.0	9.36	4.00	1.00	2.35	14.36	-0.64	9.36
MW-4	Overburden	10.0	10.0	4.00	1.00	1.00	12.30	1.30	11.30
MW-5	Overburden	10.0	10.0	4.00	1.00	1.00	12.97	2.47	12.47
MW-6	Overburden	10.0	9.02	4.00	1.00	2.35	9.02	-0.98	9.02

Notes:

[1] - Rising and falling head tests performed on 5/28/13

(*) - sand pack (overburden wells)

(**) - $r_{c\text{-}eq} = [(1 - n)\, r_c^2 + n\, r_w^2]^{1/2}$ if $L_{e\text{-}sub} < L_e$

$r_{c\text{-}eq} = r_c$ if $L_{e\text{-}sub} = L_e$

Assumptions:

(1) AQTESOLV ver. 3.50 was used for slug test analyses.
(2) MW-2, -3, and -6 well screens were partially submerged during testing.
(3) Bouwer and Rice (1976) solution was used for unconfined aquifers.
(4) Formulas and parameters used for this slug test analysis can be found in:
Bouwer, H., 1989. The Bouwer and Rice slug test--an update, Ground Water, vol. 27, no. 3, pp. 304-309.

Old Agway - Slug Tests
Useability of Data

Well ID	Remarks							
	FH	RH	FH2	RH2	FH3	RH3	FH4	RH4
MW-1	OK	OK	no test	no test	no test	no test	no test	no test
MW-2	OK	OK	OK	OK	no test	no test	no test	no test
MW-3	OK	OK	OK	OK	no test	no test	no test	no test
MW-4	OK	OK	OK	OK	no test	no test	no test	no test
MW-5	OK	***1***	no test	no test	no test	no test	no test	no test
MW-6	***1***	***1***	***1***	***1***	***1***	***1***	***2***	***2***

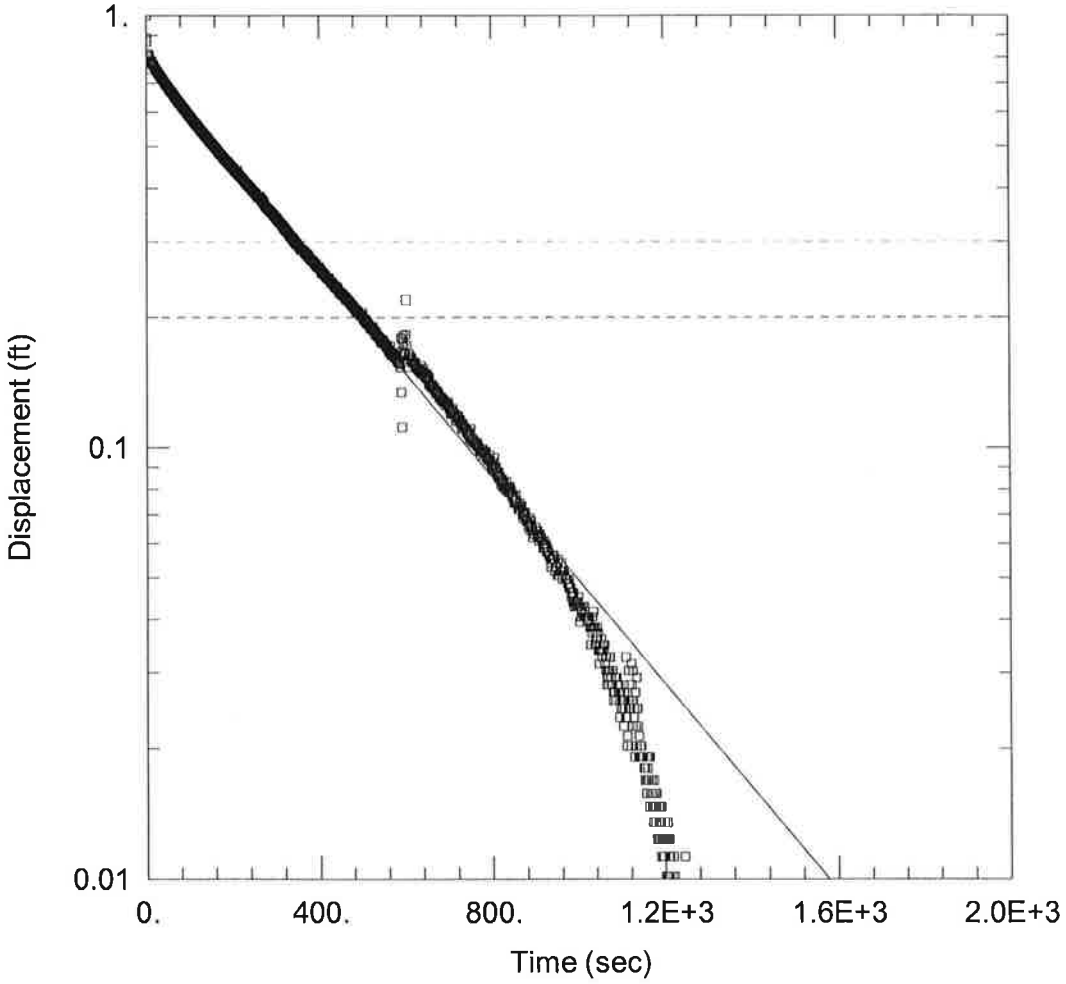
Notes:

1: Water level was not allowed to fully recover to static level. Tests were not analyzed.

2: A constant static level was not established prior to the start of test. Tests were not analyzed.

SECTION 2:

SLUG TEST DATA AND AQTESOLV CALCULATION REPORTS



MW-1 FH1

Data Set: I:\11176892\Support Data\SLUG TESTS\MW-1 FH.aqt
Date: 10/10/13 Time: 14:58:46

PROJECT INFORMATION

Company: URS
Client: DEC
Location: Old Agway
Test Well: MW-1
Test Date: 5/28/13

AQUIFER DATA

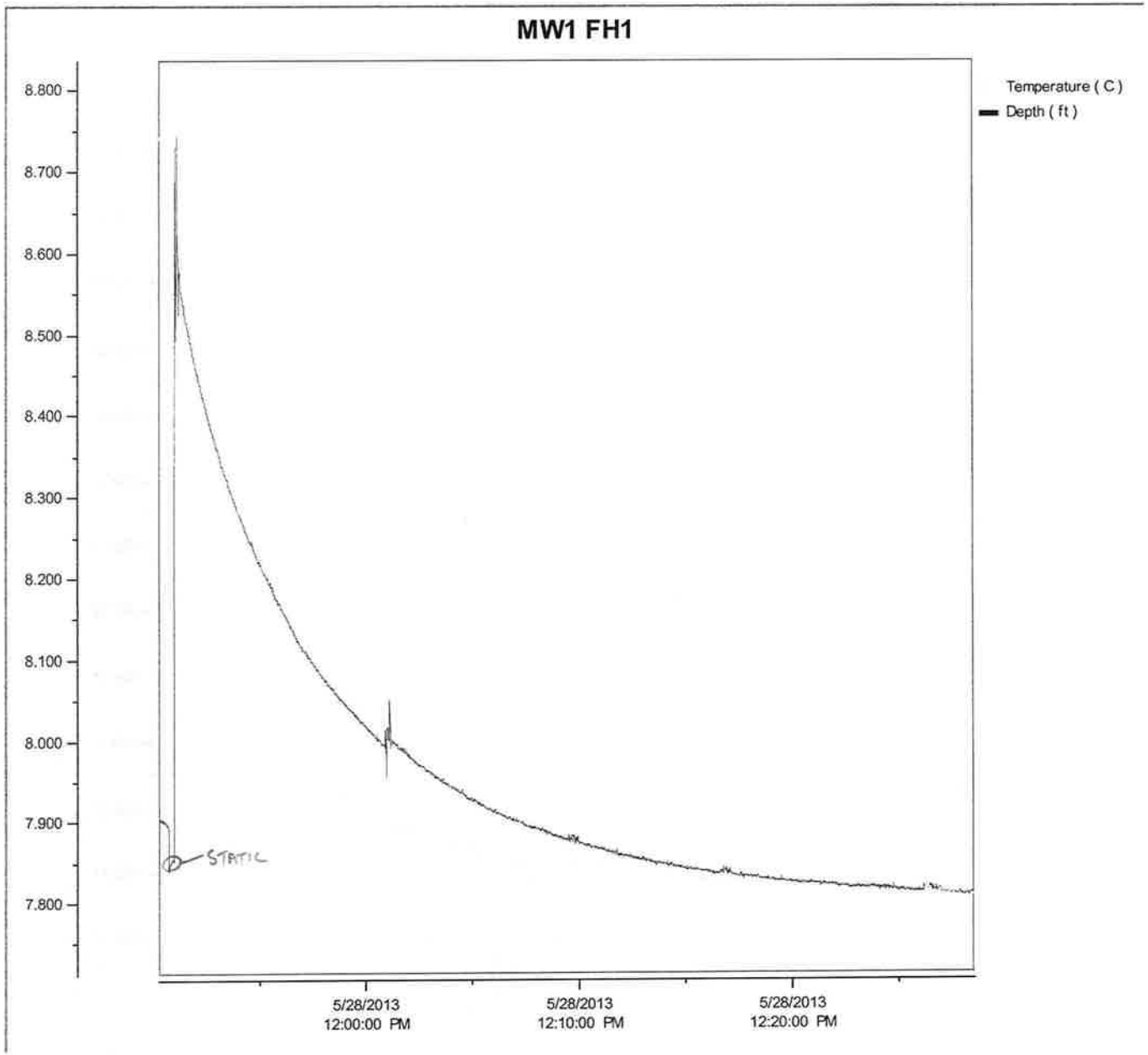
Saturated Thickness: 13.87 ft Anisotropy Ratio (Kz/Kr): 1.

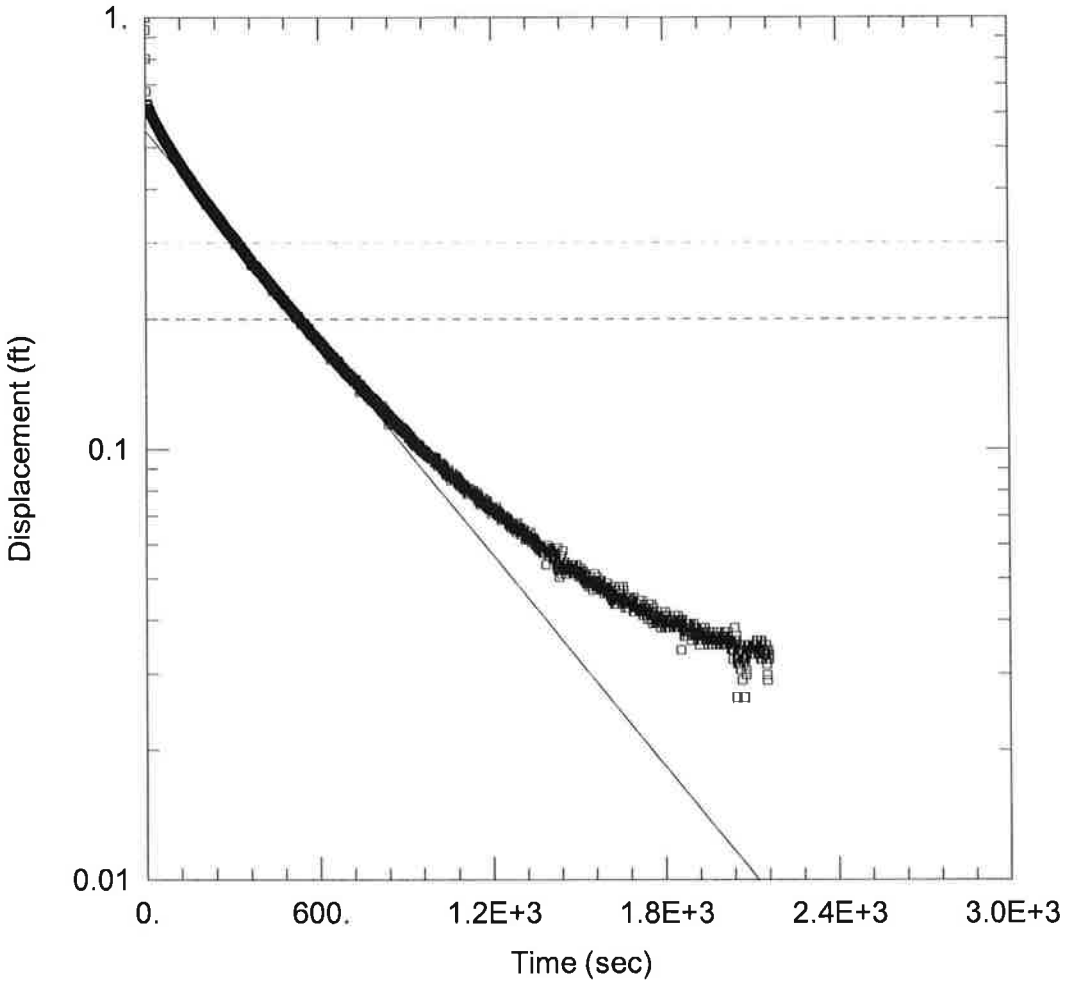
WELL DATA (MW-1)

Initial Displacement: 1. ft
Total Well Penetration Depth: 12.87 ft
Casing Radius: 0.08333 ft
Static Water Column Height: 12.87 ft
Screen Length: 10. ft
Wellbore Radius: 0.33 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 2.42E-6 ft/sec
y0 = 0.7772 ft


MW1 FH1
Temperature (C)
Depth (ft)
8.800
8.700
8.600
8.500
8.400
8.300
8.200
8.100
8.000
7.900
7.800
STATIC
5/28/2013
12:00:00 PM
5/28/2013
12:10:00 PM
5/28/2013
12:20:00 PM



MW-1 RH1

Data Set: I:\11176892\Support Data\SLUG TESTS\MW-1 RH1.aqt
Date: 10/10/13 Time: 14:59:38

PROJECT INFORMATION

Company: URS
Client: DEC
Location: Old Agway
Test Well: MW-1
Test Date: 5/28/13

AQUIFER DATA

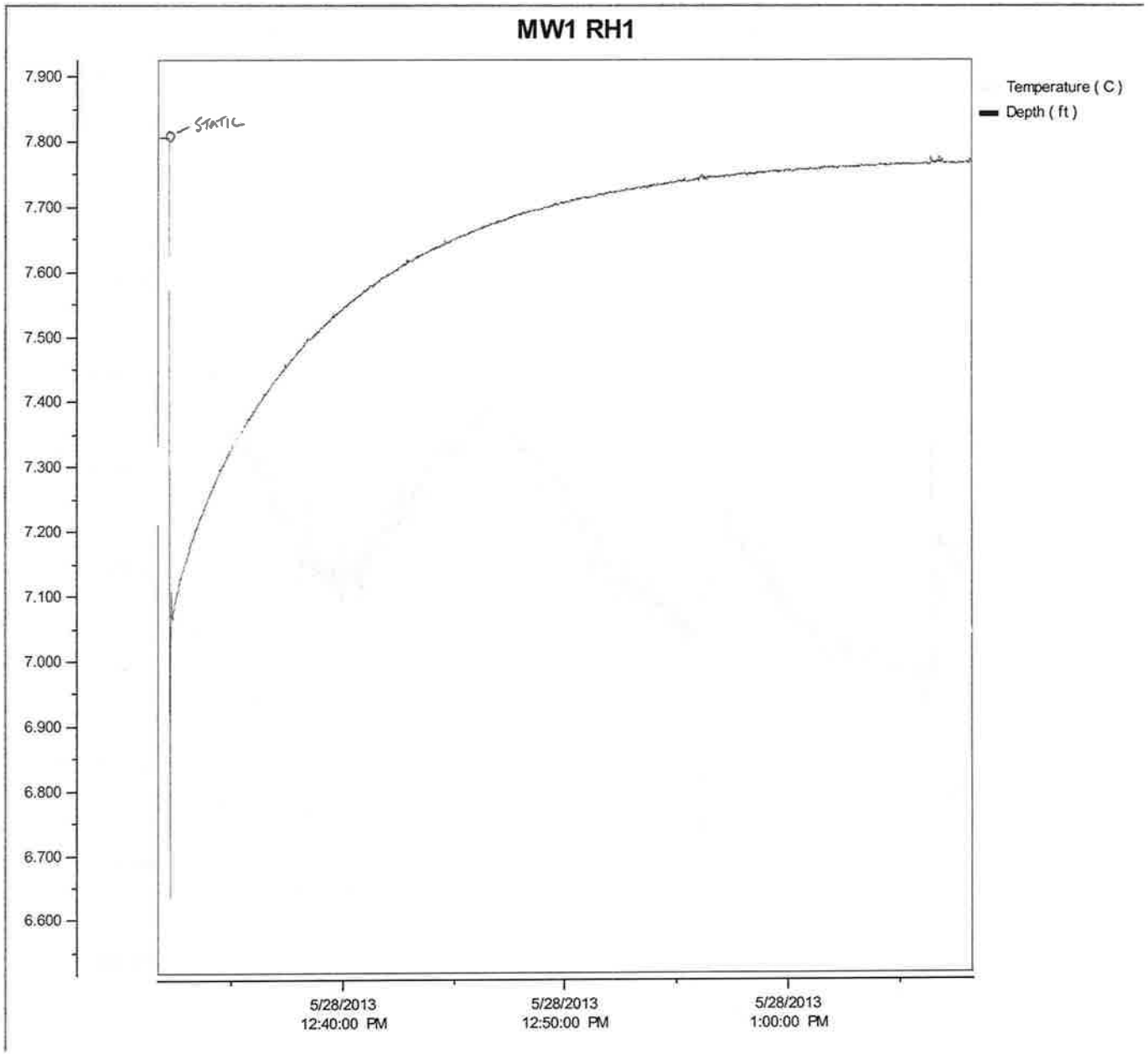
Saturated Thickness: 13.87 ft Anisotropy Ratio (Kz/Kr): 1.

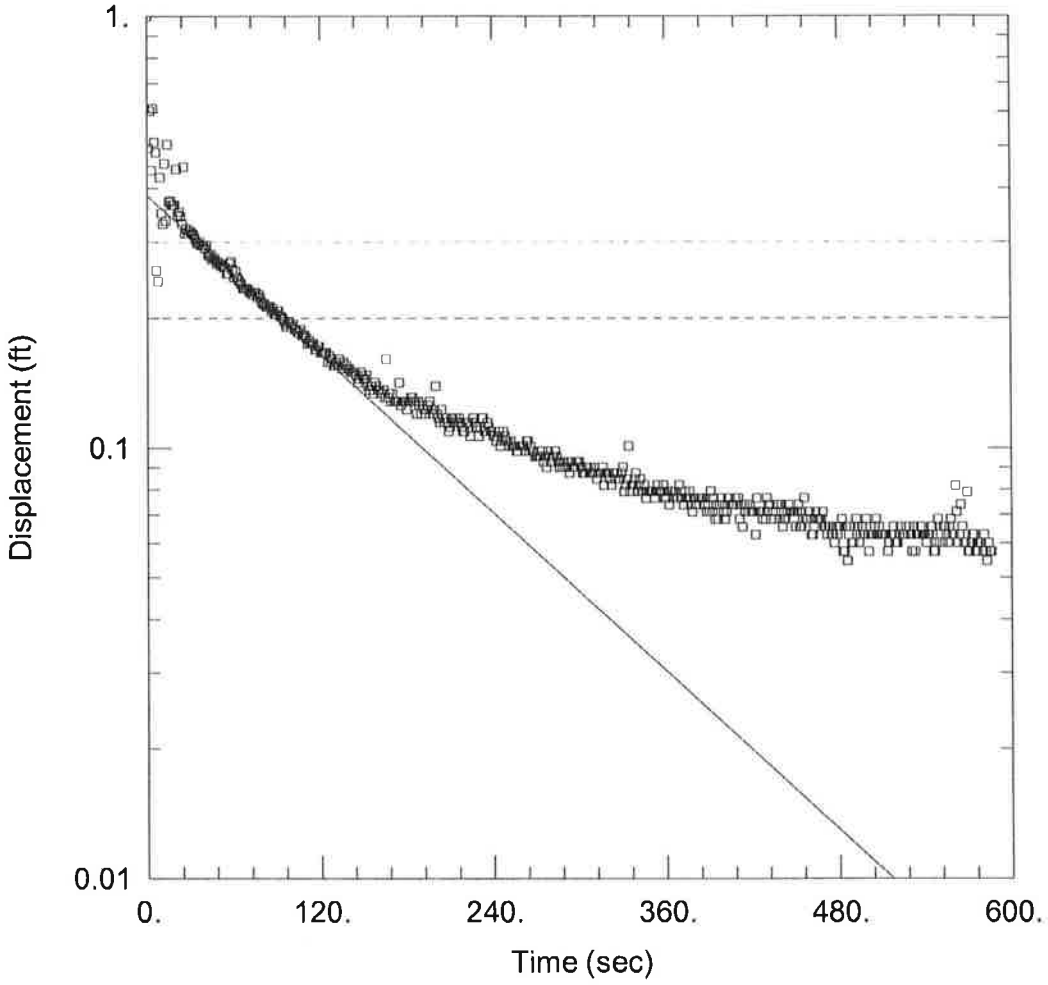
WELL DATA (MW-1)

Initial Displacement: 1. ft
Total Well Penetration Depth: 12.87 ft
Casing Radius: 0.08333 ft
Static Water Column Height: 12.87 ft
Screen Length: 10. ft
Wellbore Radius: 0.33 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 1.655E-6 ft/sec
y0 = 0.5472 ft


MW1 RH1
7.900
7.800
7.700
7.600
7.500
7.400
7.300
7.200
7.100
7.000
6.900
6.800
6.700
6.600
STATIC
Temperature (C)
Depth (ft)
5/28/2013
12:40:00 PM
5/28/2013
12:50:00 PM
5/28/2013
1:00:00 PM



MW-2 FH1

Data Set: I:\11176892\Support Data\SLUG TESTS\MW-2 FH1.aqt
Date: 10/10/13 Time: 15:00:08

PROJECT INFORMATION

Company: URS
Client: DEC
Location: Old Agway
Test Well: MW-2
Test Date: 05/28/13

AQUIFER DATA

Saturated Thickness: 14.08 ft Anisotropy Ratio (Kz/Kr): 1.

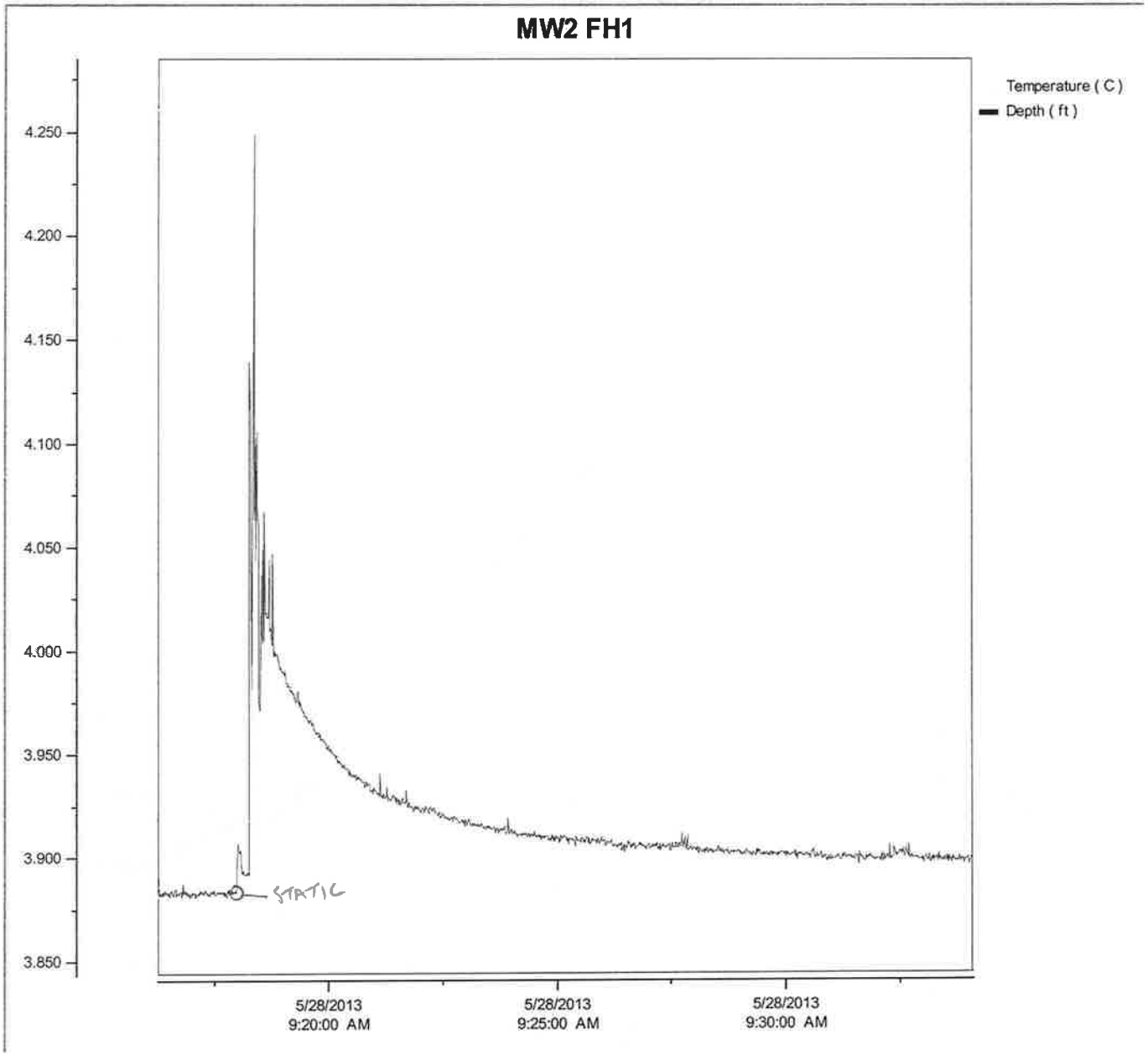
WELL DATA (MW-2)

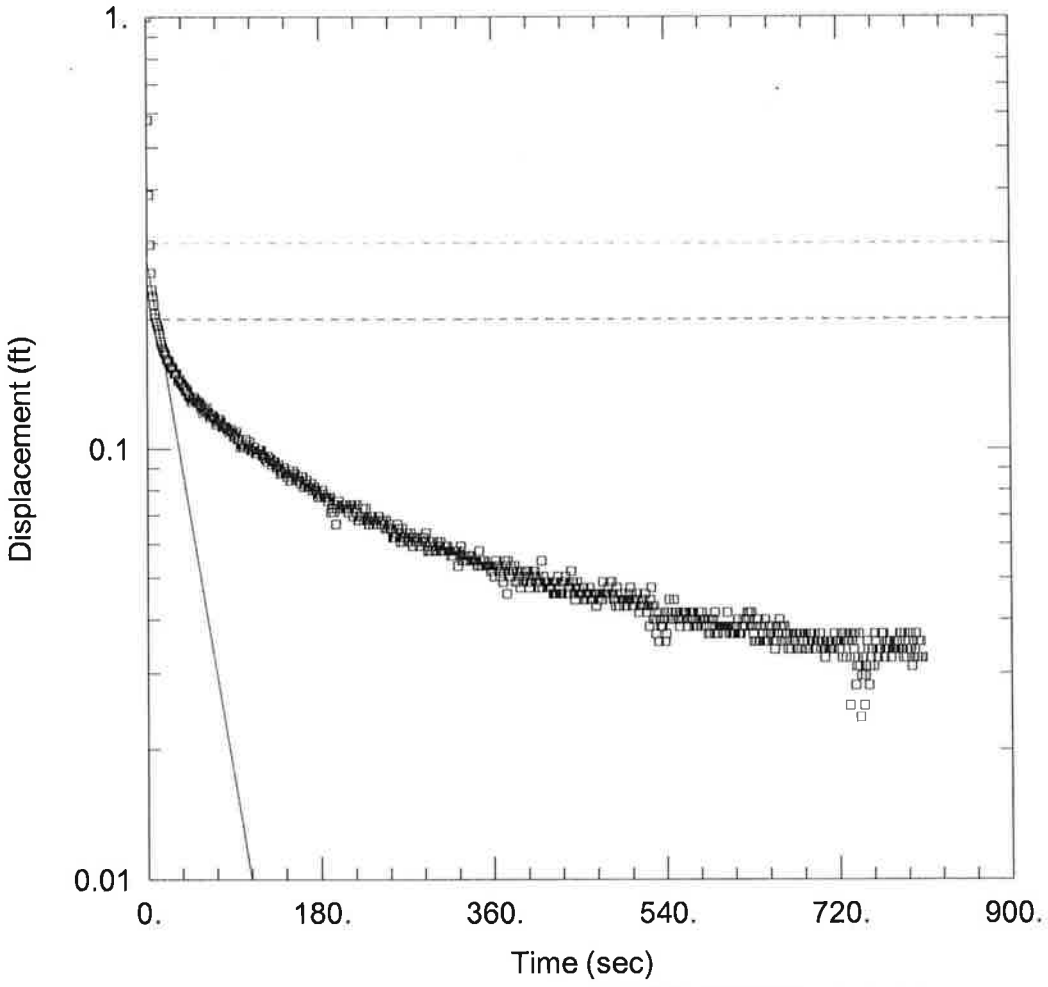
Initial Displacement: 1. ft
Total Well Penetration Depth: 9.08 ft
Casing Radius: 0.08333 ft
Static Water Column Height: 9.08 ft
Screen Length: 10. ft
Wellbore Radius: 0.33 ft
Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

K = 2.954E-5 ft/sec
y0 = 0.3853 ft


MW2 FH1
Temperature (C)
Depth (ft)
4.250
4.200
4.150
4.100
4.050
4.000
3.950
3.900
3.850
STATIC
5/28/2013
9:20:00 AM
5/28/2013
9:25:00 AM
5/28/2013
9:30:00 AM



MW-2 RH1

Data Set: I:\11176892\Support Data\SLUG TESTS\MW-2 RH1.aqt
Date: 10/10/13 Time: 15:01:19

PROJECT INFORMATION

Company: URS
Client: DEC
Location: Old Agway
Test Well: MW-2
Test Date: 05/28/13

AQUIFER DATA

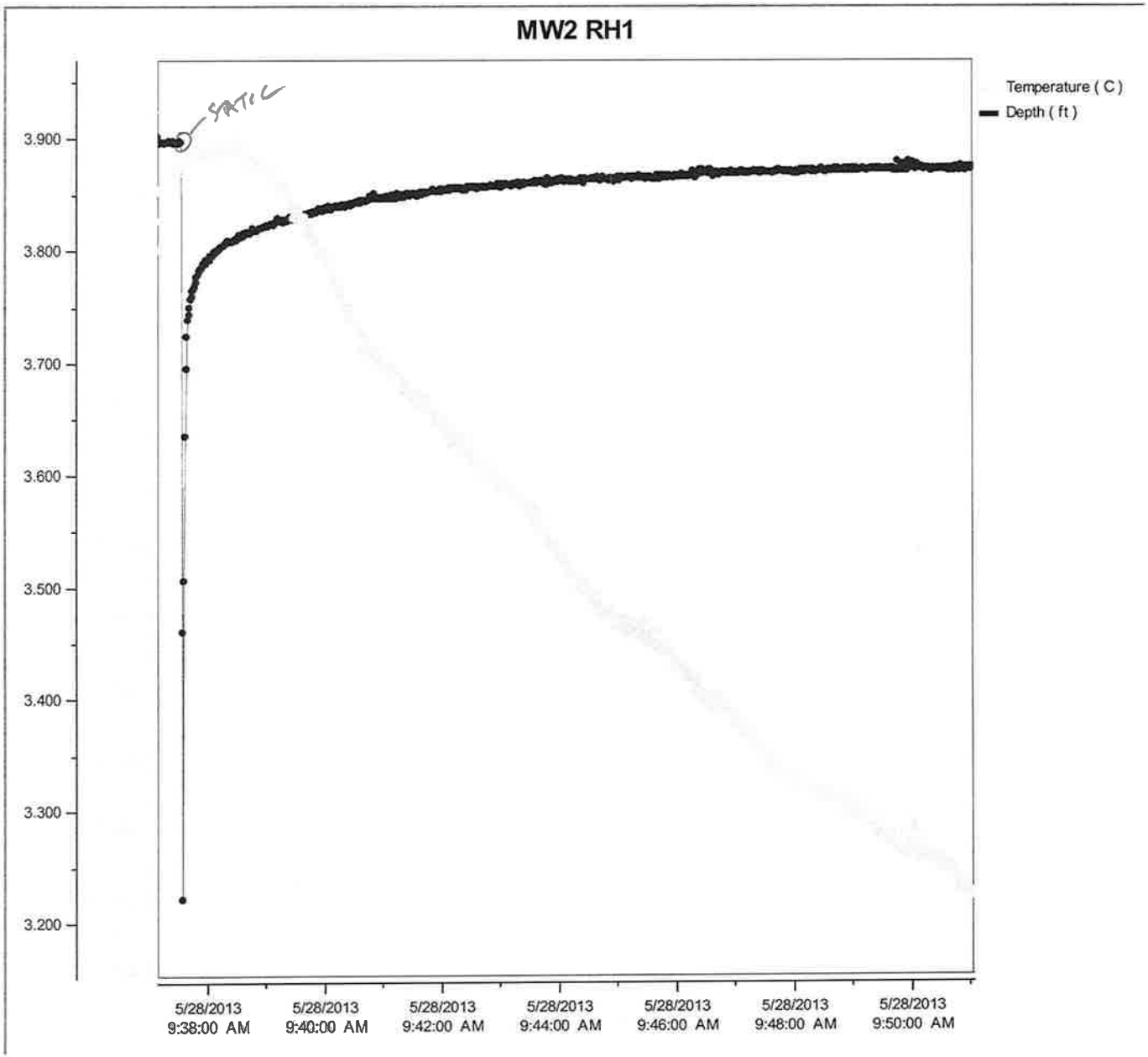
Saturated Thickness: 14.08 ft
Anisotropy Ratio (Kz/Kr): 1.

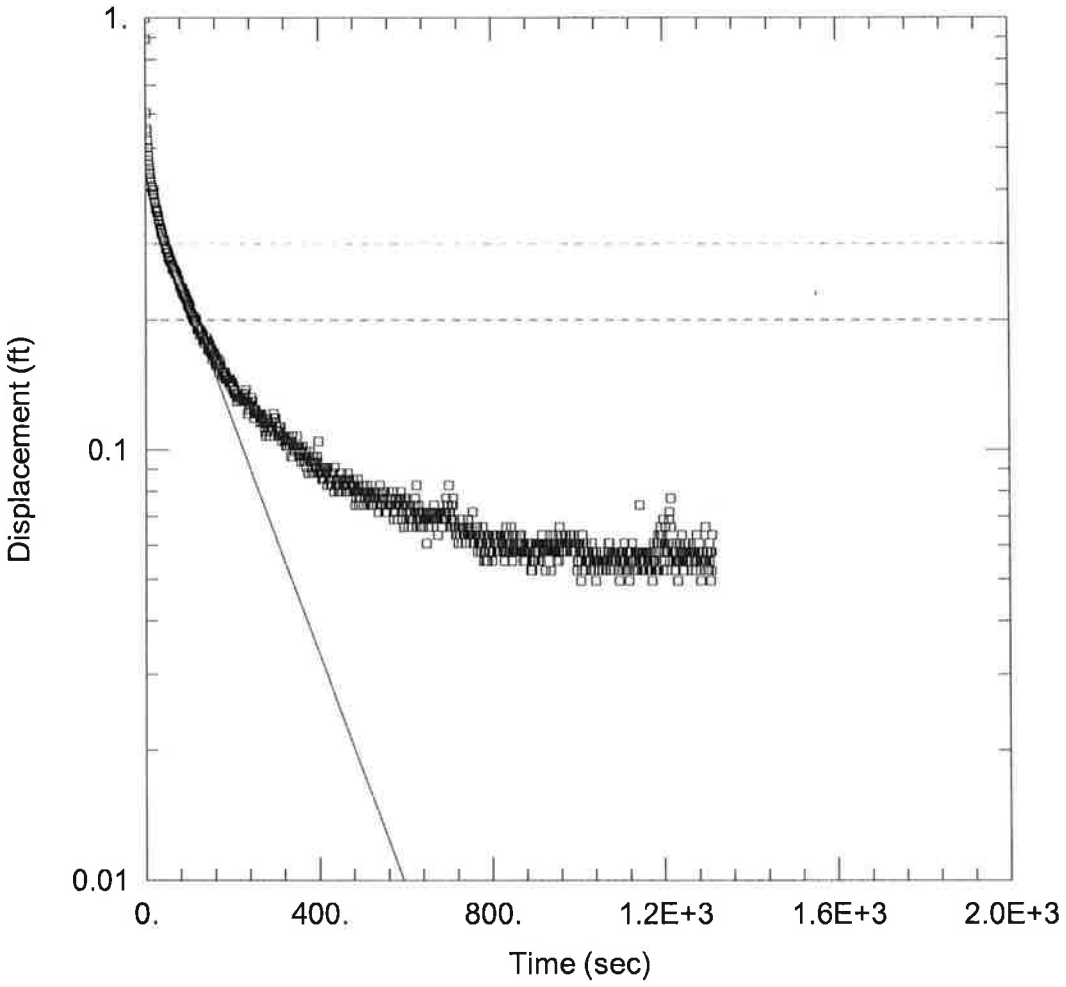
WELL DATA (MW-2)

Initial Displacement: 1. ft
Total Well Penetration Depth: 9.08 ft
Casing Radius: 0.08333 ft
Static Water Column Height: 9.08 ft
Screen Length: 10. ft
Wellbore Radius: 0.33 ft
Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.0001284 ft/sec
y0 = 0.2753 ft


MW2 RH1
STATIC
Temperature (C)
Depth (ft)
3.900
3.800
3.700
3.600
3.500
3.400
3.300
3.200
5/28/2013 9:38:00 AM
5/28/2013 9:40:00 AM
5/28/2013 9:42:00 AM
5/28/2013 9:44:00 AM
5/28/2013 9:46:00 AM
5/28/2013 9:48:00 AM
5/28/2013 9:50:00 AM



MW-2 FH2

Data Set: I:\11176892\Support Data\SLUG TESTS\MW-2 FH2.aqt
Date: 10/10/13 Time: 15:00:36

PROJECT INFORMATION

Company: URS
Client: DEC
Location: Old Agway
Test Well: MW-2
Test Date: 05/28/13

AQUIFER DATA

Saturated Thickness: 14.08 ft Anisotropy Ratio (Kz/Kr): 1.

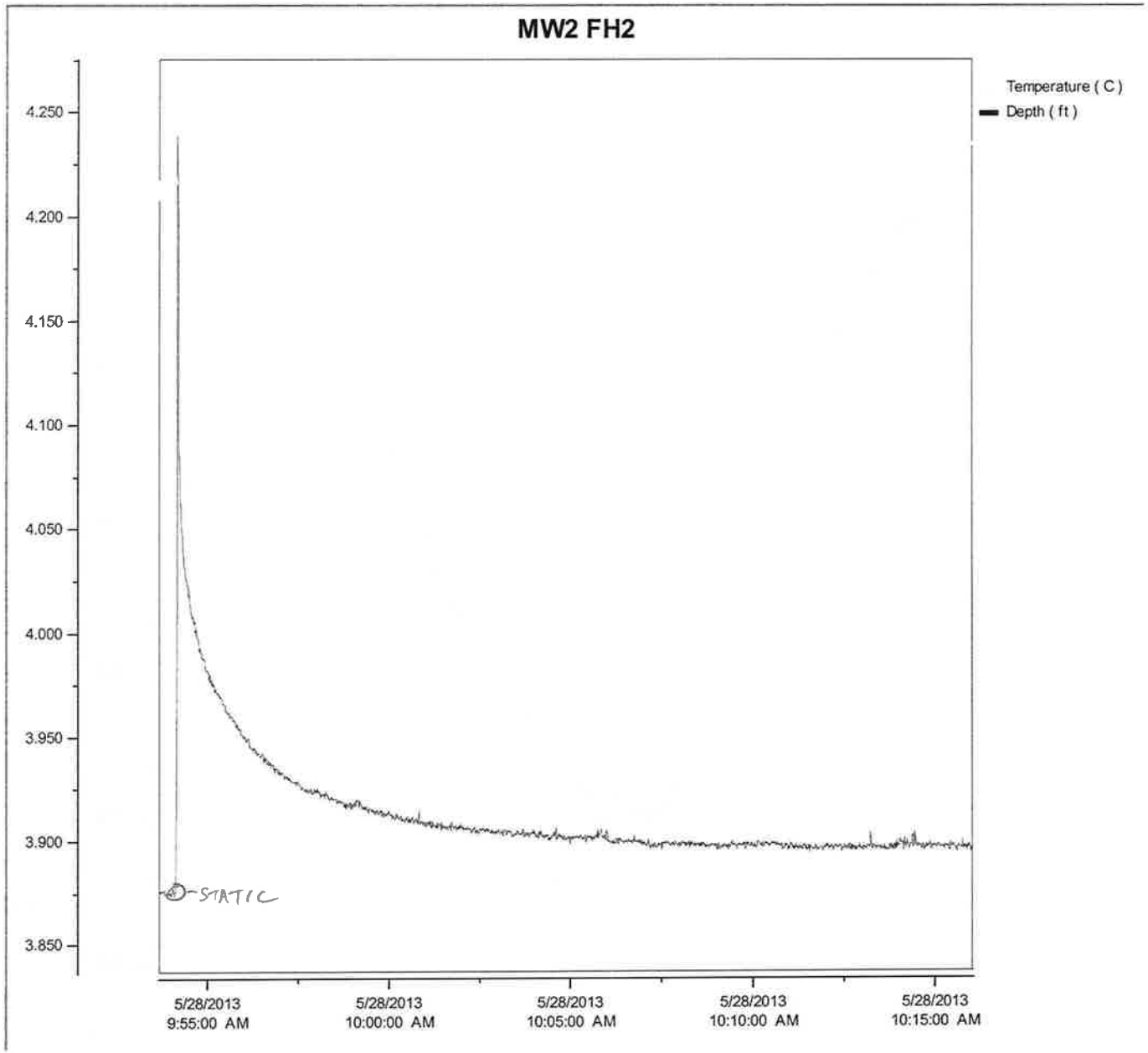
WELL DATA (MW-2)

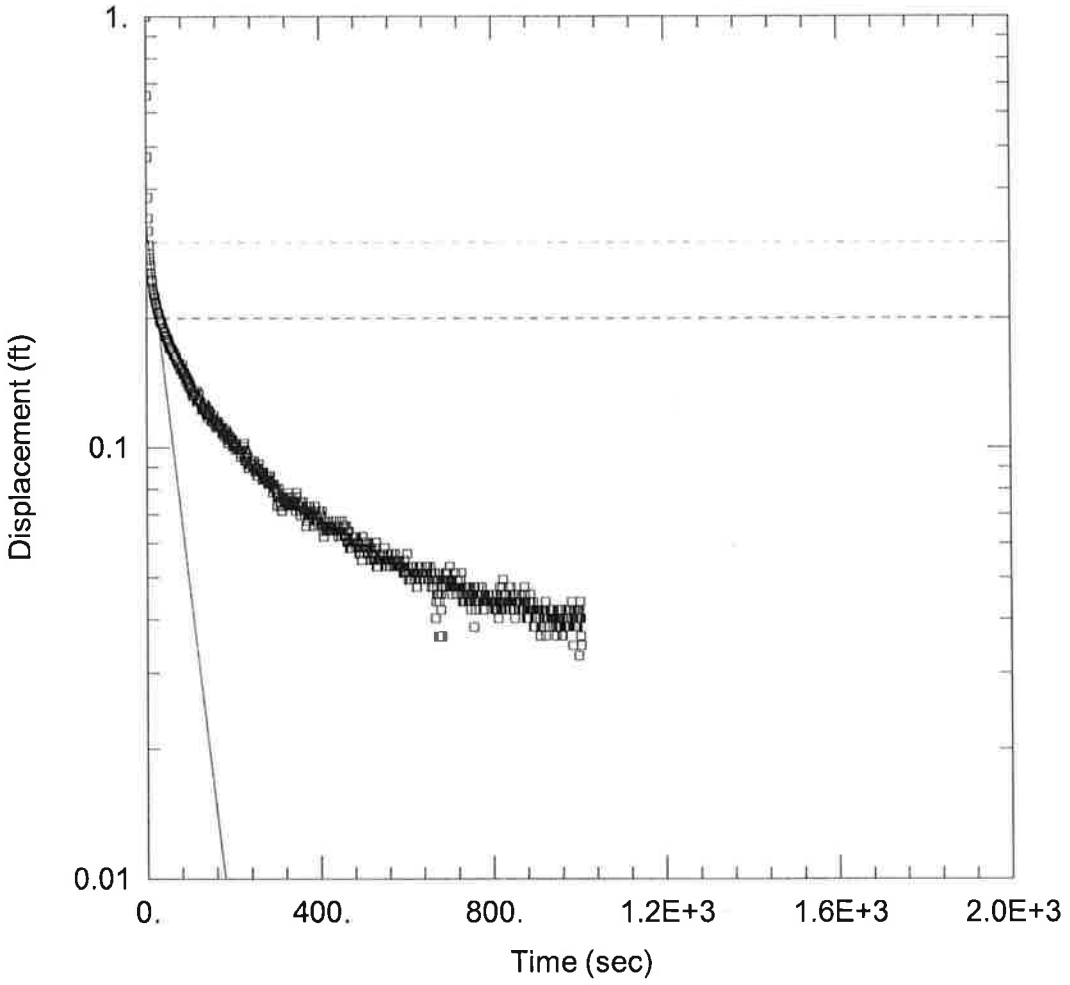
Initial Displacement: 1. ft
Total Well Penetration Depth: 9.08 ft
Casing Radius: 0.08333 ft
Static Water Column Height: 9.08 ft
Screen Length: 10. ft
Wellbore Radius: 0.33 ft
Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 2.609E-5 ft/sec y0 = 0.4077 ft


MW2 FH2
Temperature (C)
Depth (ft)
4.250
4.200
4.150
4.100
4.050
4.000
3.950
3.900
3.850
STATIC
5/28/2013
9:55:00 AM
5/28/2013
10:00:00 AM
5/28/2013
10:05:00 AM
5/28/2013
10:10:00 AM
5/28/2013
10:15:00 AM



MW-2 RH2

Data Set: I:\11176892\Support Data\SLUG TESTS\MW-2 RH2.aqt
Date: 10/10/13 Time: 15:02:02

PROJECT INFORMATION

Company: URS
Client: DEC
Location: Old Agway
Test Well: MW-2
Test Date: 05/28/13

AQUIFER DATA

Saturated Thickness: 14.08 ft Anisotropy Ratio (Kz/Kr): 1.

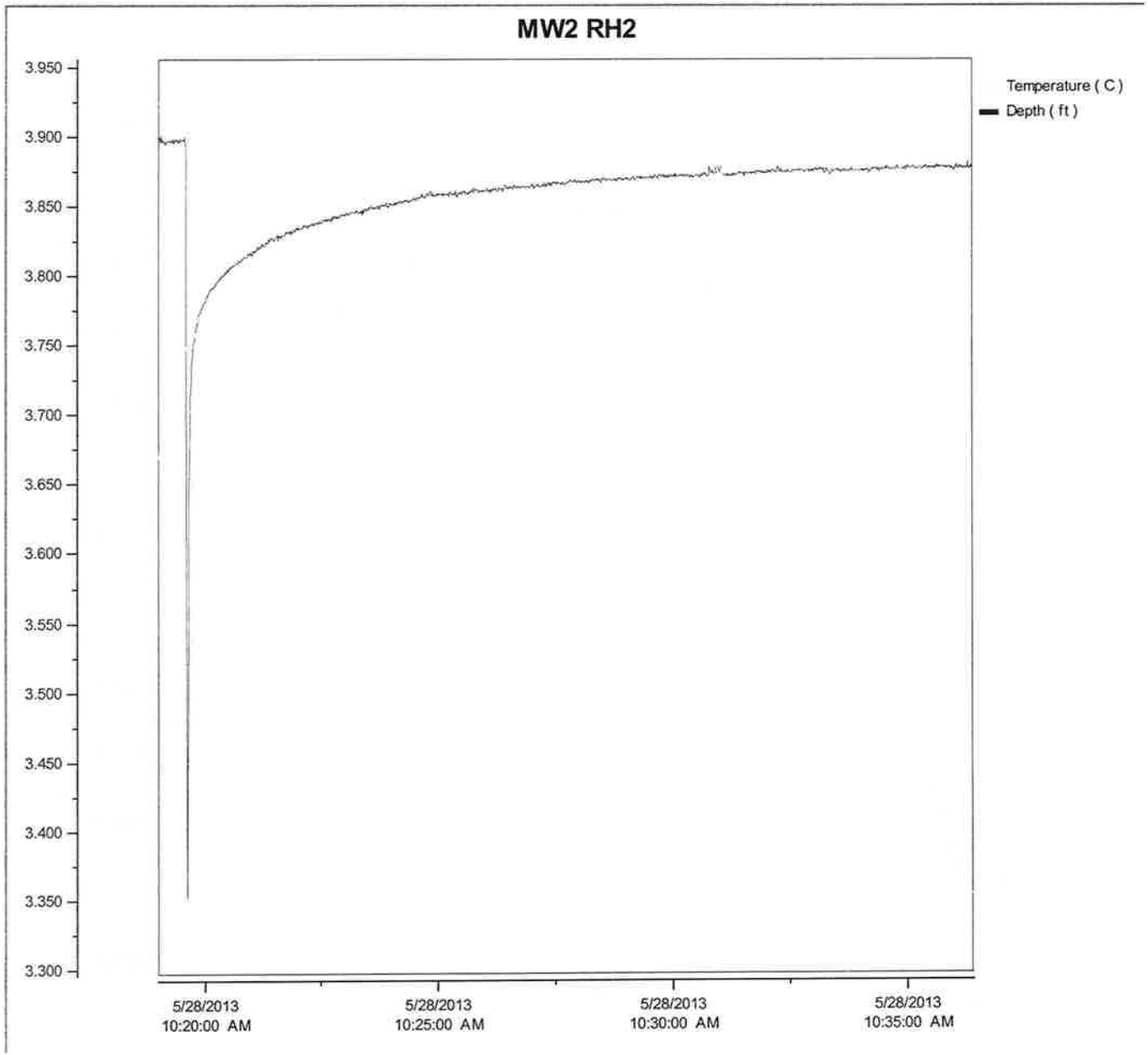
WELL DATA (MW-2)

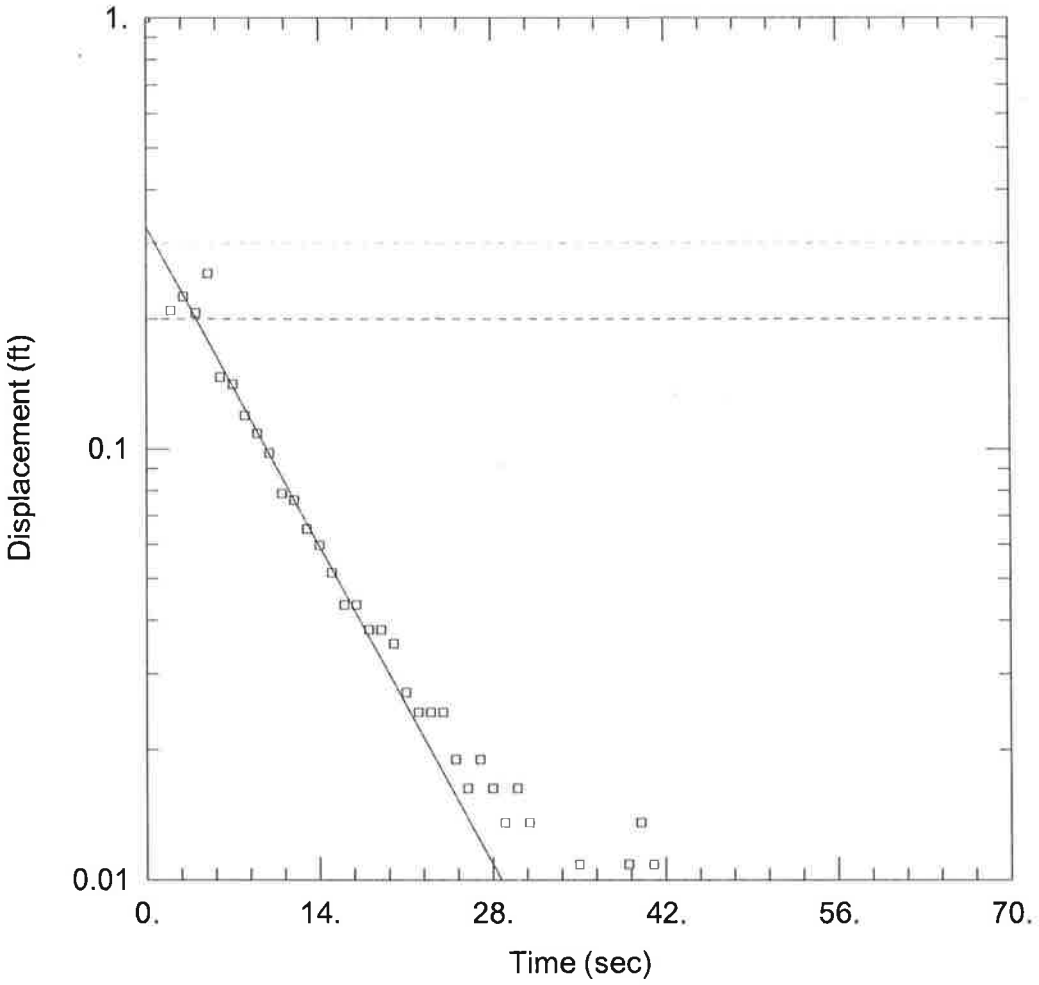
Initial Displacement: 1. ft
Total Well Penetration Depth: 9.08 ft
Casing Radius: 0.08333 ft
Static Water Column Height: 9.08 ft
Screen Length: 10. ft
Wellbore Radius: 0.33 ft
Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 8.189E-5 ft/sec y0 = 0.3295 ft


MW2 RH2
3.950
3.900
3.850
3.800
3.750
3.700
3.650
3.600
3.550
3.500
3.450
3.400
3.350
3.300
Temperature (C)
Depth (ft)
5/28/2013
10:20:00 AM
5/28/2013
10:25:00 AM
5/28/2013
10:30:00 AM
5/28/2013
10:35:00 AM



MW-3 FH1

Data Set: I:\11176892\Support Data\SLUG TESTS\MW-3 FH1.aqt
Date: 10/10/13 Time: 15:03:01

PROJECT INFORMATION

Company: URS
Client: DEC
Location: Old Agway
Test Well: MW-3
Test Date: 05/28/13

AQUIFER DATA

Saturated Thickness: 14.36 ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-3)

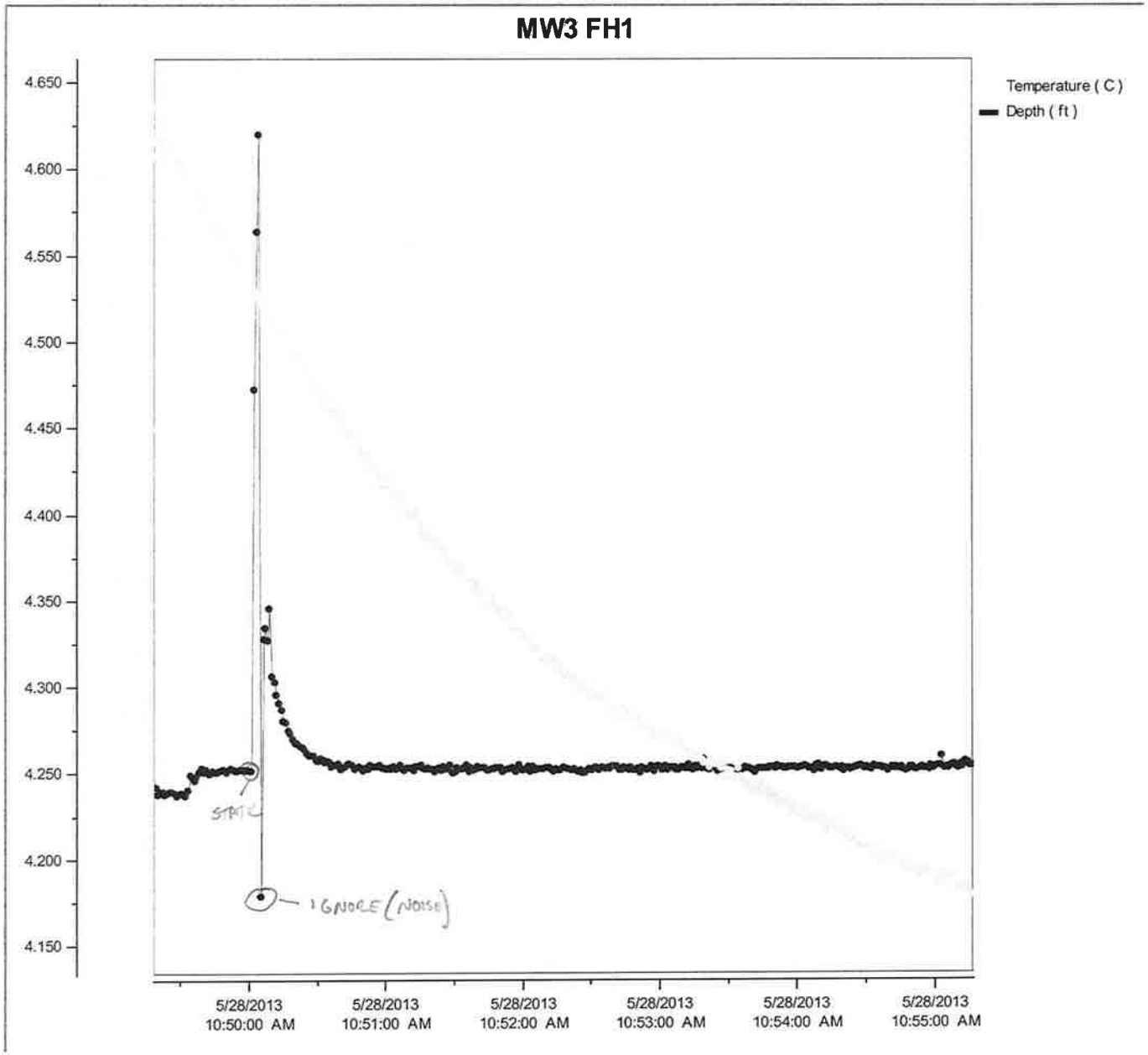
Initial Displacement: 1. ft
Total Well Penetration Depth: 9.36 ft
Casing Radius: 0.08333 ft
Static Water Column Height: 9.36 ft
Screen Length: 10. ft
Wellbore Radius: 0.33 ft
Gravel Pack Porosity: 0.3

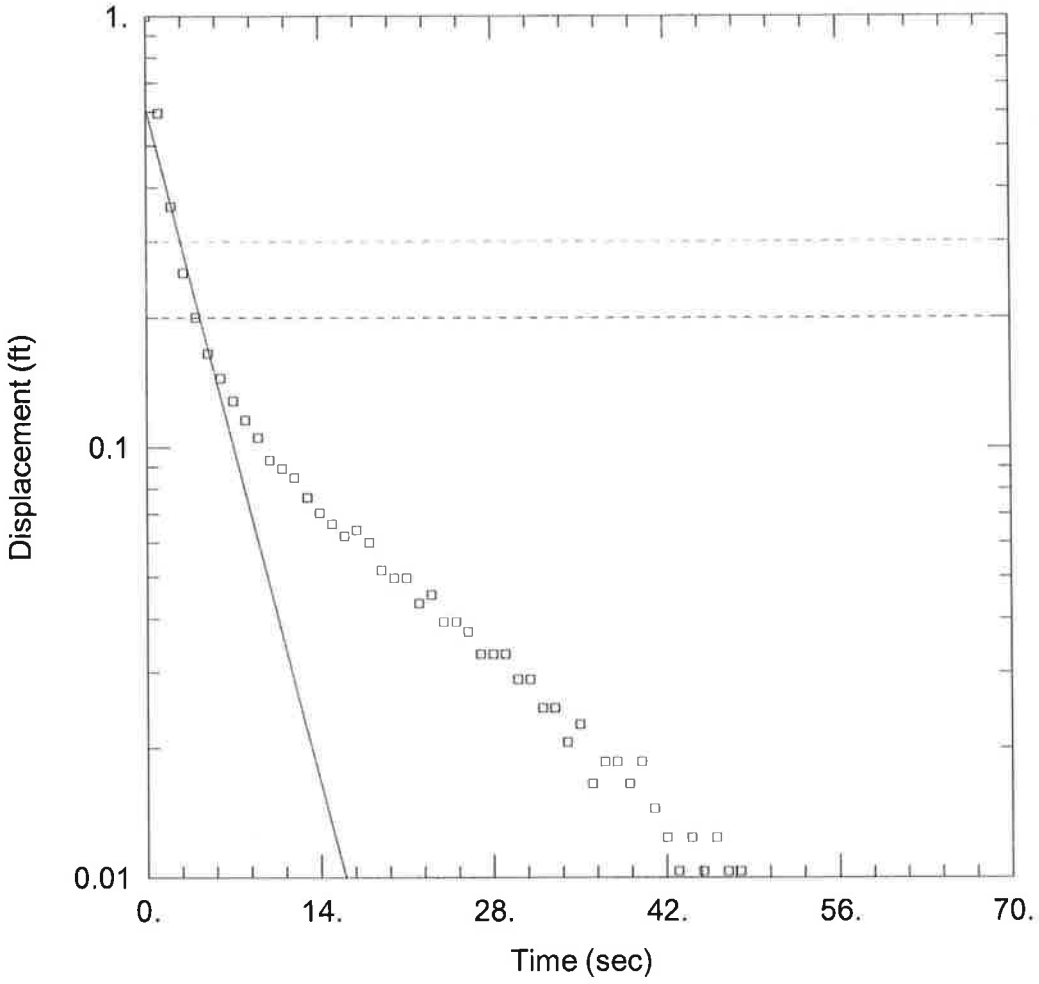
SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 0.0005114 ft/sec y0 = 0.327 ft

MW3 FH1


Temperature (C)
Depth (ft)
4.650
4.600
4.550
4.500
4.450
4.400
4.350
4.300
4.250
4.200
4.150
5/28/2013 10:50:00 AM
5/28/2013 10:51:00 AM
5/28/2013 10:52:00 AM
5/28/2013 10:53:00 AM
5/28/2013 10:54:00 AM
5/28/2013 10:55:00 AM
START
IGNORE (NOISE)



MW-3 RH1

Data Set: I:\11176892\Support Data\SLUG TESTS\MW-3 RH1.aqt
Date: 10/10/13 Time: 15:04:06

PROJECT INFORMATION

Company: URS
Client: DEC
Location: Old Agway
Test Well: MW-3
Test Date: 05/28/13

AQUIFER DATA

Saturated Thickness: 14.36 ft Anisotropy Ratio (Kz/Kr): 1.

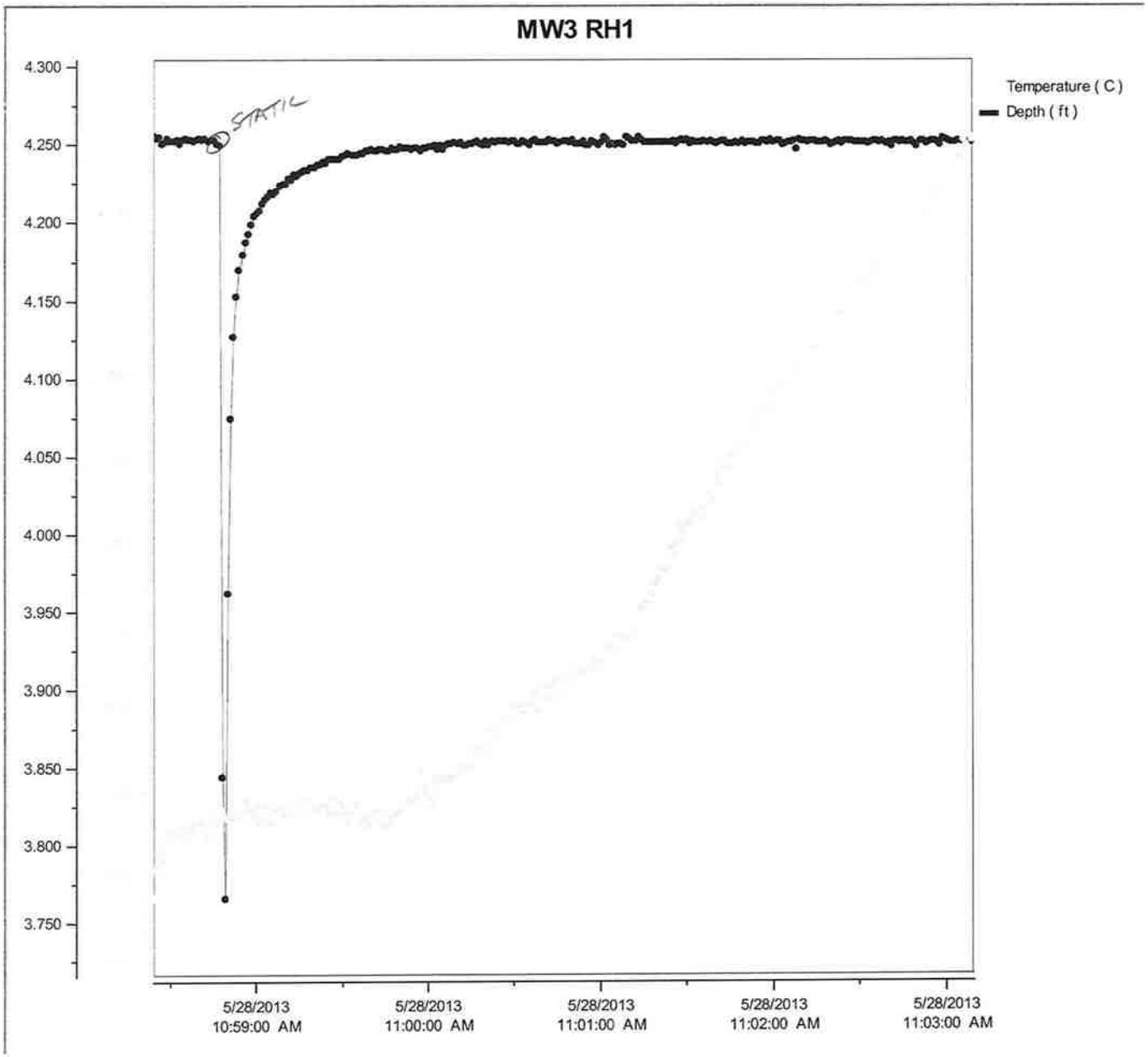
WELL DATA (MW-3)

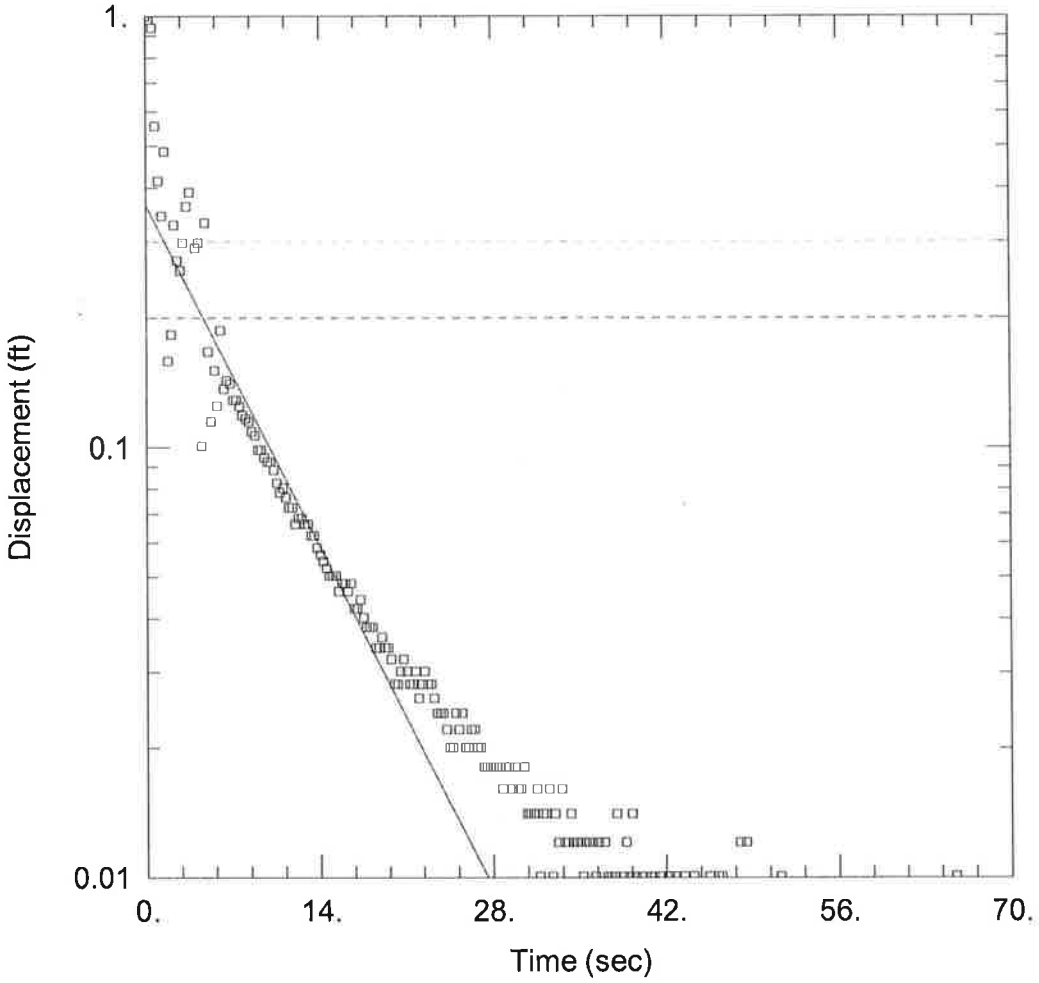
Initial Displacement: 1. ft
Total Well Penetration Depth: 9.36 ft
Casing Radius: 0.08333 ft
Static Water Column Height: 9.36 ft
Screen Length: 10. ft
Wellbore Radius: 0.33 ft
Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 0.001082 ft/sec y0 = 0.6107 ft


MW3 RH1
STATIC
Temperature (C)
Depth (ft)
4.300
4.250
4.200
4.150
4.100
4.050
4.000
3.950
3.900
3.850
3.800
3.750
5/28/2013
10:59:00 AM
5/28/2013
11:00:00 AM
5/28/2013
11:01:00 AM
5/28/2013
11:02:00 AM
5/28/2013
11:03:00 AM



MW-3 FH2

Data Set: I:\11176892\Support Data\SLUG TESTS\MW-3 FH2.aqt
Date: 10/10/13 Time: 15:03:40

PROJECT INFORMATION

Company: URS
Client: DEC
Location: Old Agway
Test Well: MW-3
Test Date: 05/28/13

AQUIFER DATA

Saturated Thickness: 14.36 ft Anisotropy Ratio (Kz/Kr): 1.

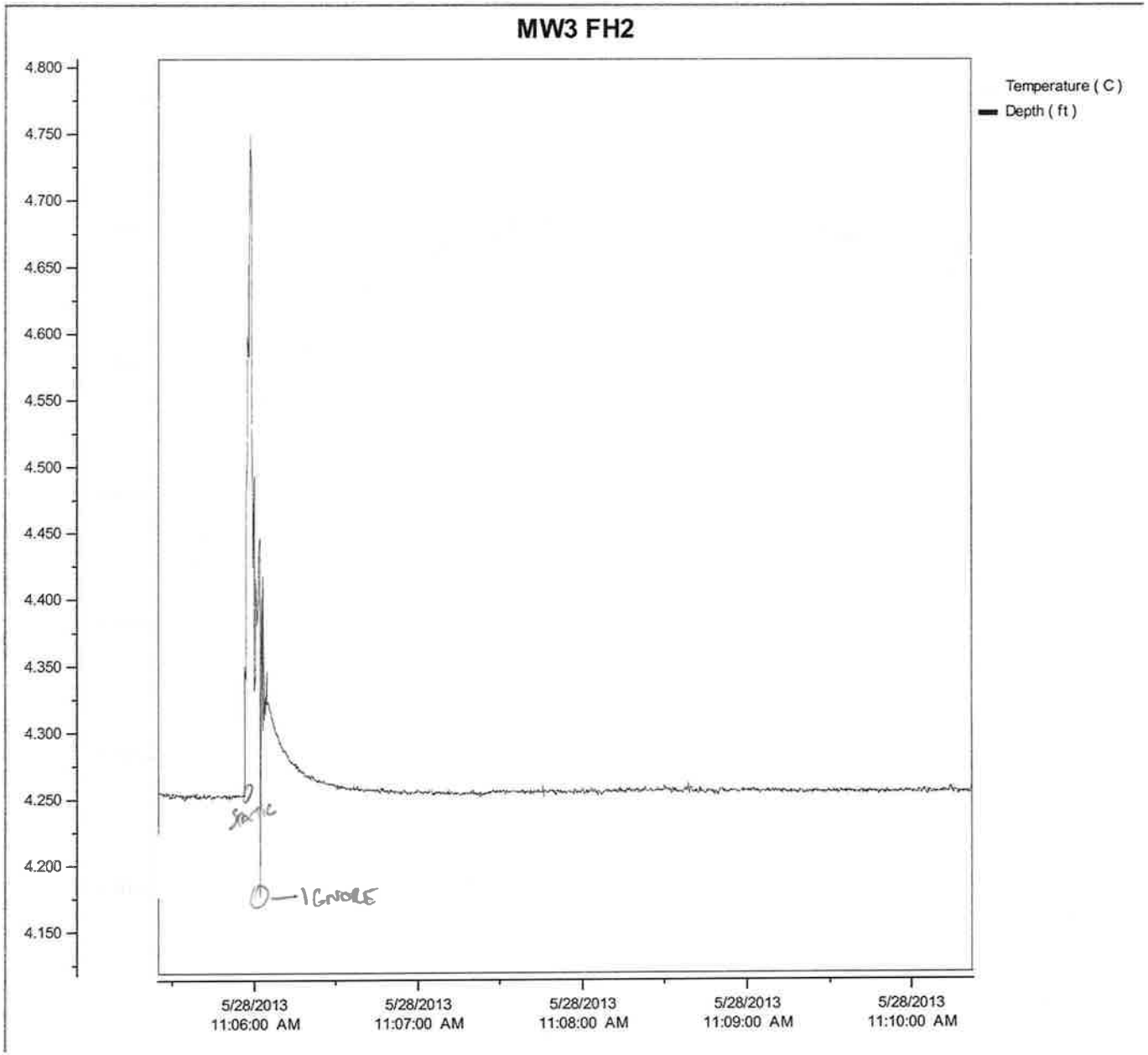
WELL DATA (MW-3)

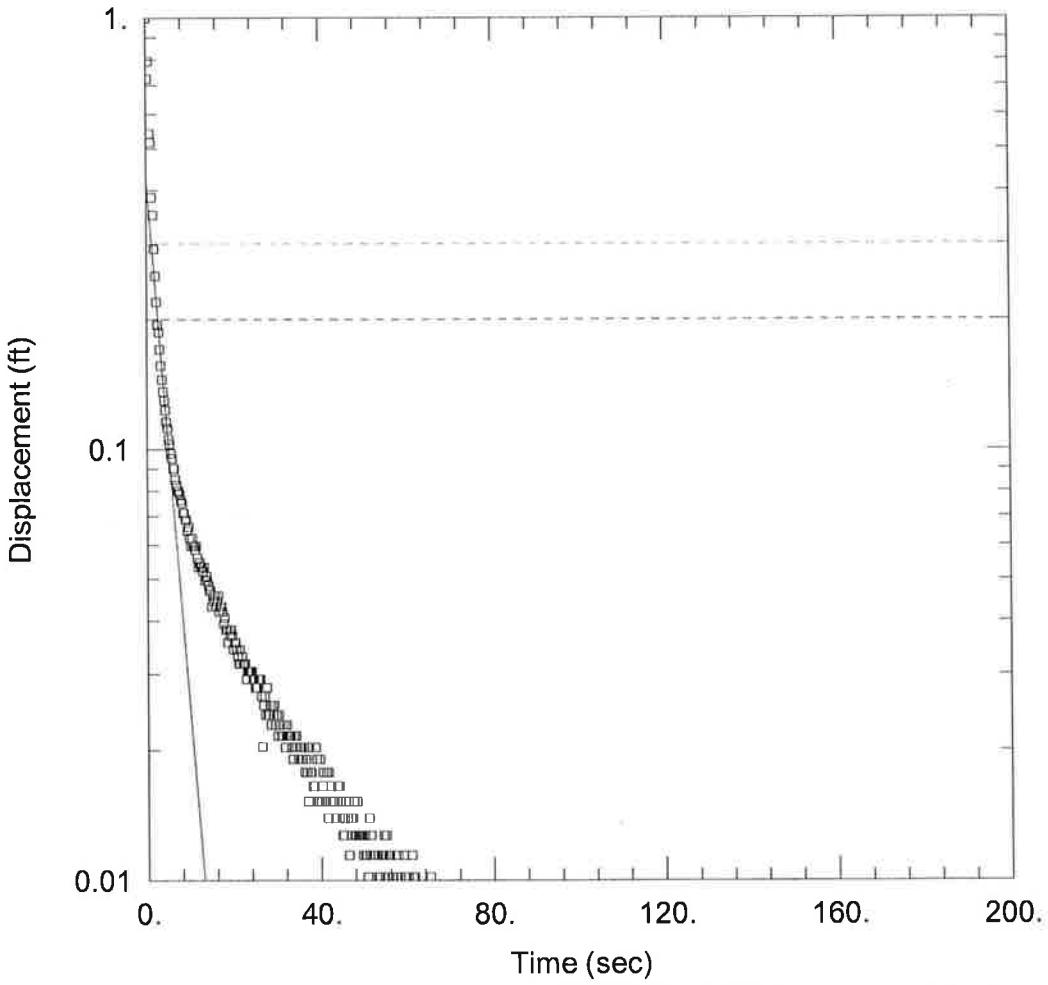
Initial Displacement: 1. ft
Total Well Penetration Depth: 9.36 ft
Casing Radius: 0.08333 ft
Static Water Column Height: 9.36 ft
Screen Length: 10. ft
Wellbore Radius: 0.33 ft
Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 0.0005492 ft/sec y0 = 0.3649 ft


MW3 FH2
Temperature (C)
Depth (ft)
4.800
4.750
4.700
4.650
4.600
4.550
4.500
4.450
4.400
4.350
4.300
4.250
4.200
4.150
5/28/2013 11:06:00 AM
5/28/2013 11:07:00 AM
5/28/2013 11:08:00 AM
5/28/2013 11:09:00 AM
5/28/2013 11:10:00 AM
Static
1 Gnome



MW-3 RH2

Data Set: I:\11176892\Support Data\SLUG TESTS\MW-3 RH2.aqt
Date: 10/10/13 Time: 15:04:28

PROJECT INFORMATION

Company: URS
Client: DEC
Location: Old Agway
Test Well: MW-3
Test Date: 05/28/13

AQUIFER DATA

Saturated Thickness: 14.36 ft Anisotropy Ratio (Kz/Kr): 1.

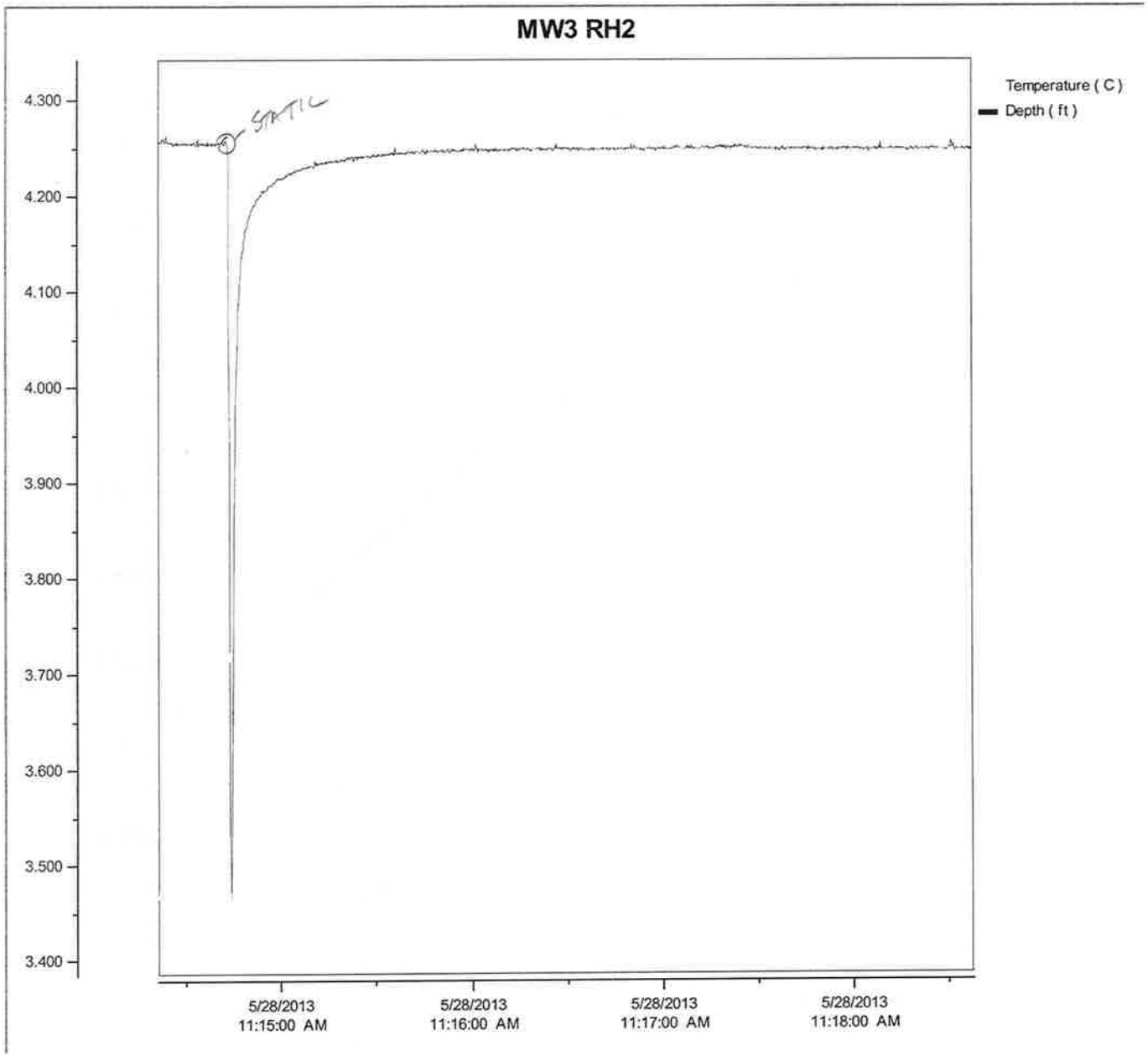
WELL DATA (MW-3)

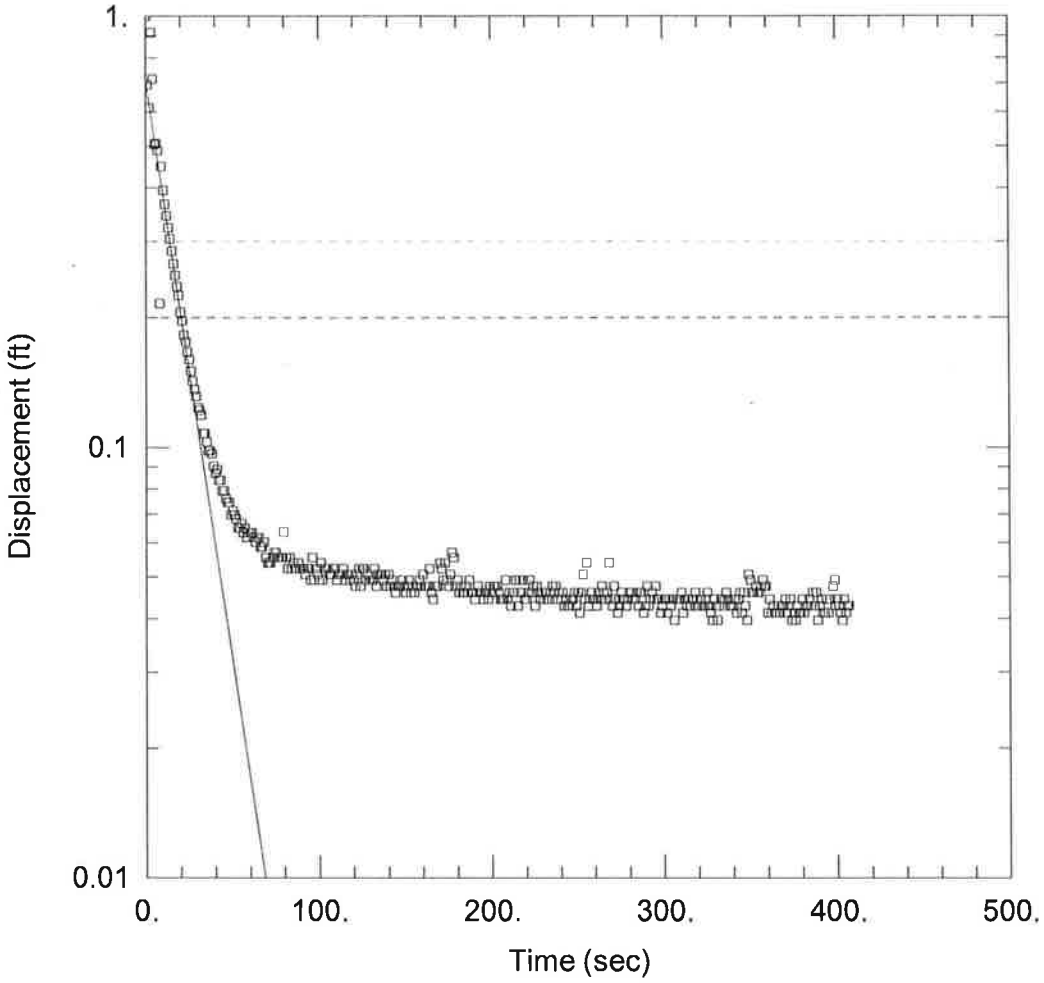
Initial Displacement: 1. ft
Total Well Penetration Depth: 9.36 ft
Casing Radius: 0.08333 ft
Static Water Column Height: 9.36 ft
Screen Length: 10. ft
Wellbore Radius: 0.33 ft
Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

K = 0.001222 ft/sec
y0 = 0.4259 ft


MW3 RH2
STATIC
Temperature (C)
Depth (ft)
4.300
4.200
4.100
4.000
3.900
3.800
3.700
3.600
3.500
3.400
5/28/2013
11:15:00 AM
5/28/2013
11:16:00 AM
5/28/2013
11:17:00 AM
5/28/2013
11:18:00 AM



MW-4 FH1

Data Set: I:\11176892\Support Data\SLUG TESTS\MW-4 FH1.aqt
Date: 10/10/13 Time: 15:05:01

PROJECT INFORMATION

Company: URS
Client: DEC
Location: Old Agway
Test Well: MW-4
Test Date: 05/28/13

AQUIFER DATA

Saturated Thickness: 12.3 ft Anisotropy Ratio (Kz/Kr): 1.

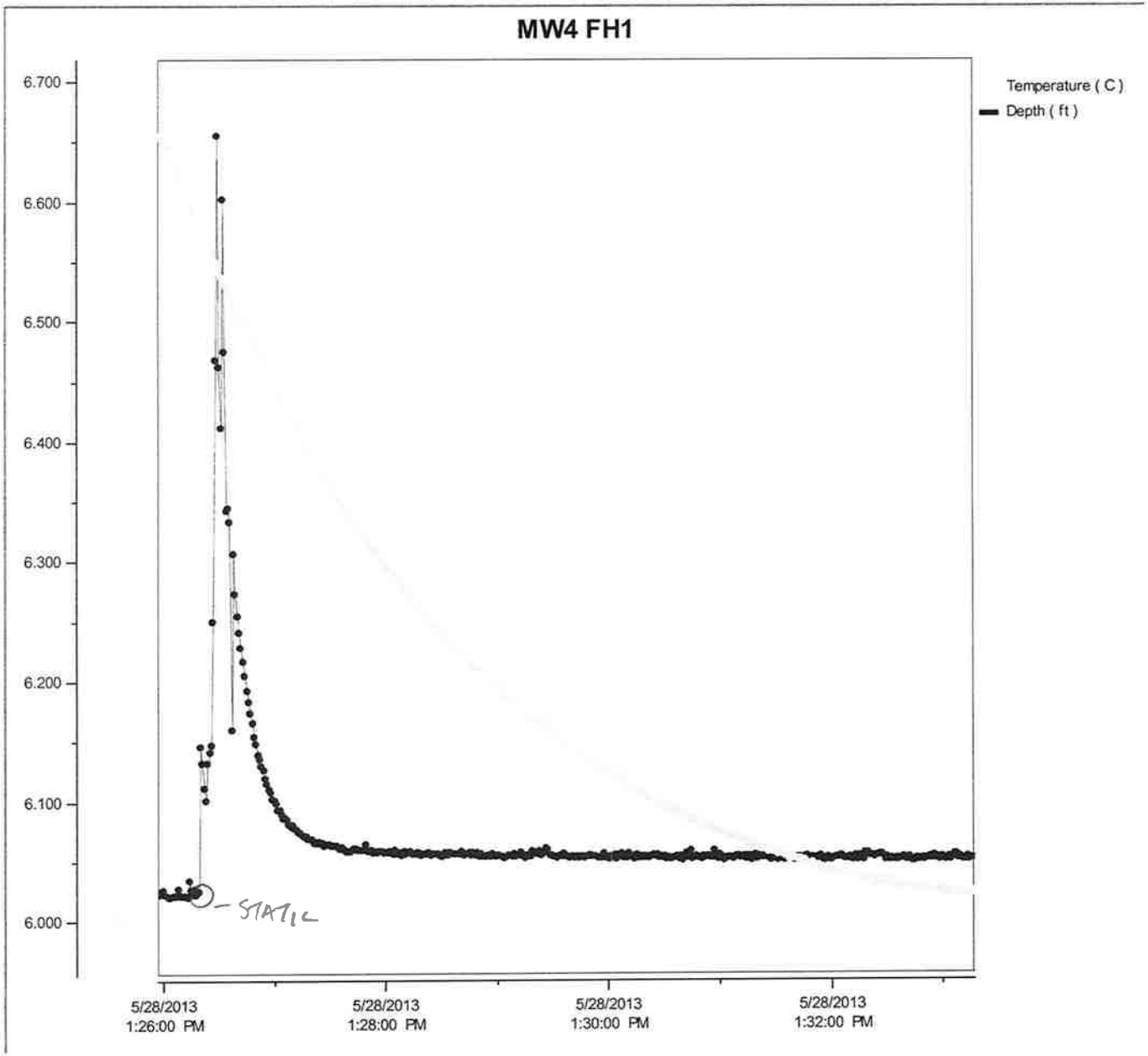
WELL DATA (MW-4)

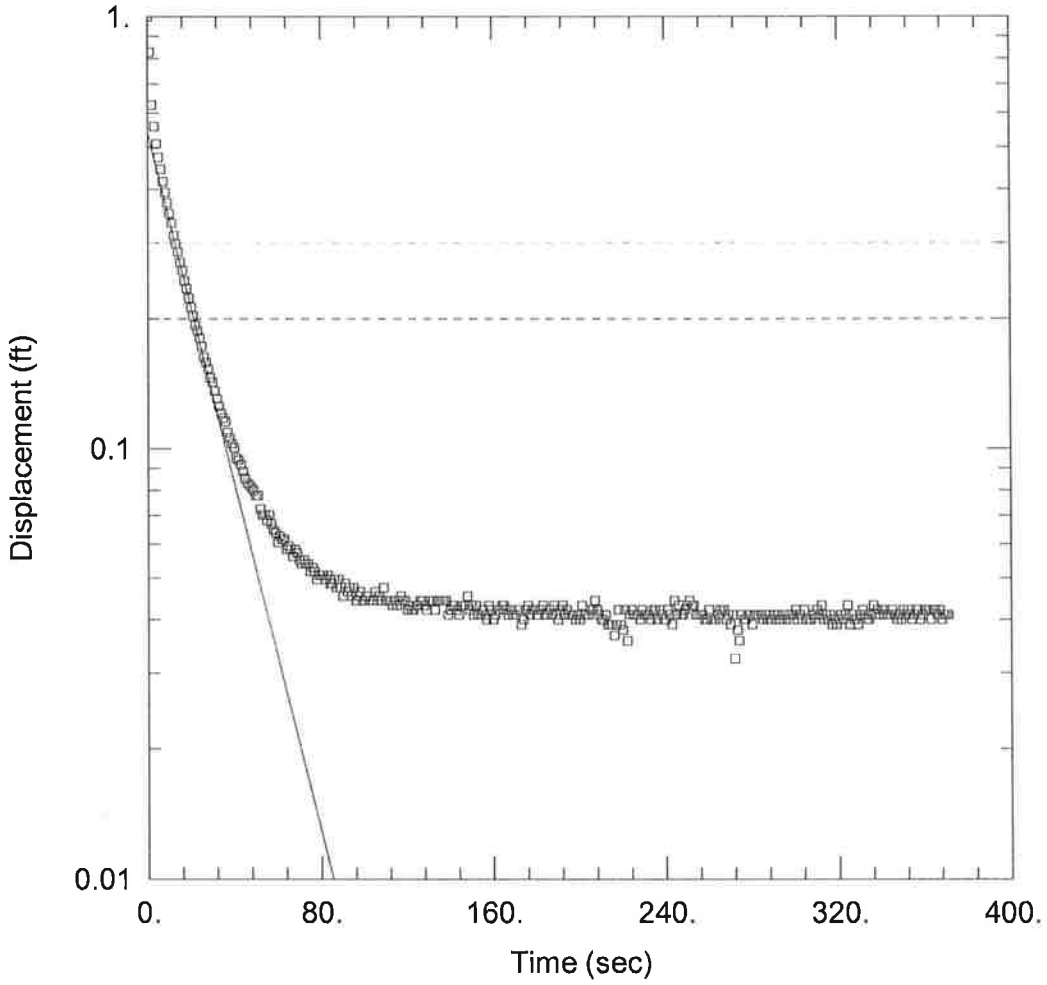
Initial Displacement: 1. ft
Total Well Penetration Depth: 11.3 ft
Casing Radius: 0.08333 ft
Static Water Column Height: 11.3 ft
Screen Length: 10. ft
Wellbore Radius: 0.33 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

K = 5.306E-5 ft/sec
y0 = 0.7109 ft


MW4 FH1
6.700
6.600
6.500
6.400
6.300
6.200
6.100
6.000
Temperature (C)
Depth (ft)
STATIC
5/28/2013
1:26:00 PM
5/28/2013
1:28:00 PM
5/28/2013
1:30:00 PM
5/28/2013
1:32:00 PM



MW-4 RH1

Data Set: I:\11176892\Support Data\SLUG TESTS\MW-4 RH1.aqt
Date: 10/10/13 Time: 15:06:28

PROJECT INFORMATION

Company: URS
Client: DEC
Location: Old Agway
Test Well: MW-4
Test Date: 05/28/13

AQUIFER DATA

Saturated Thickness: 12.3 ft Anisotropy Ratio (Kz/Kr): 1.

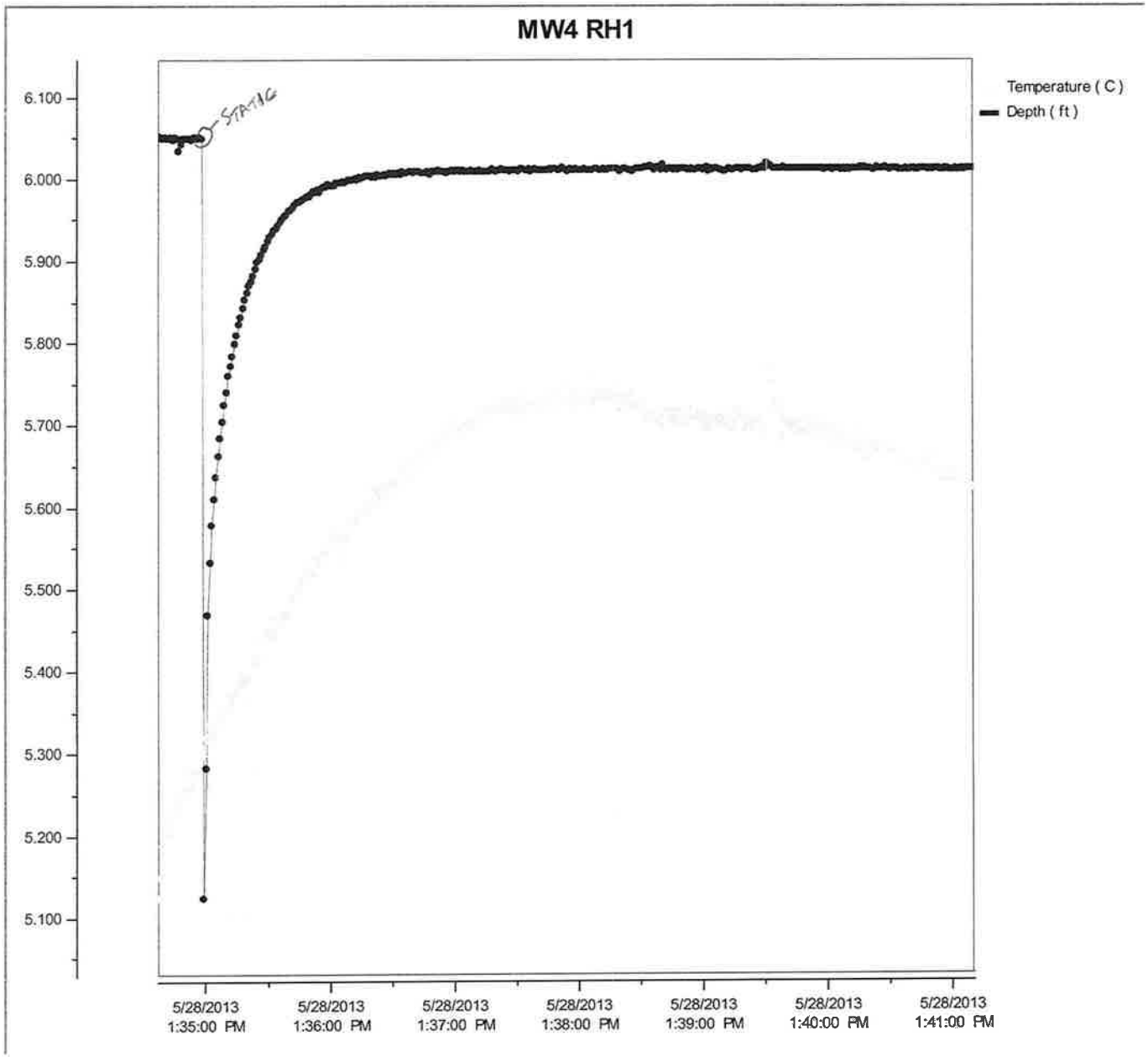
WELL DATA (MW-4)

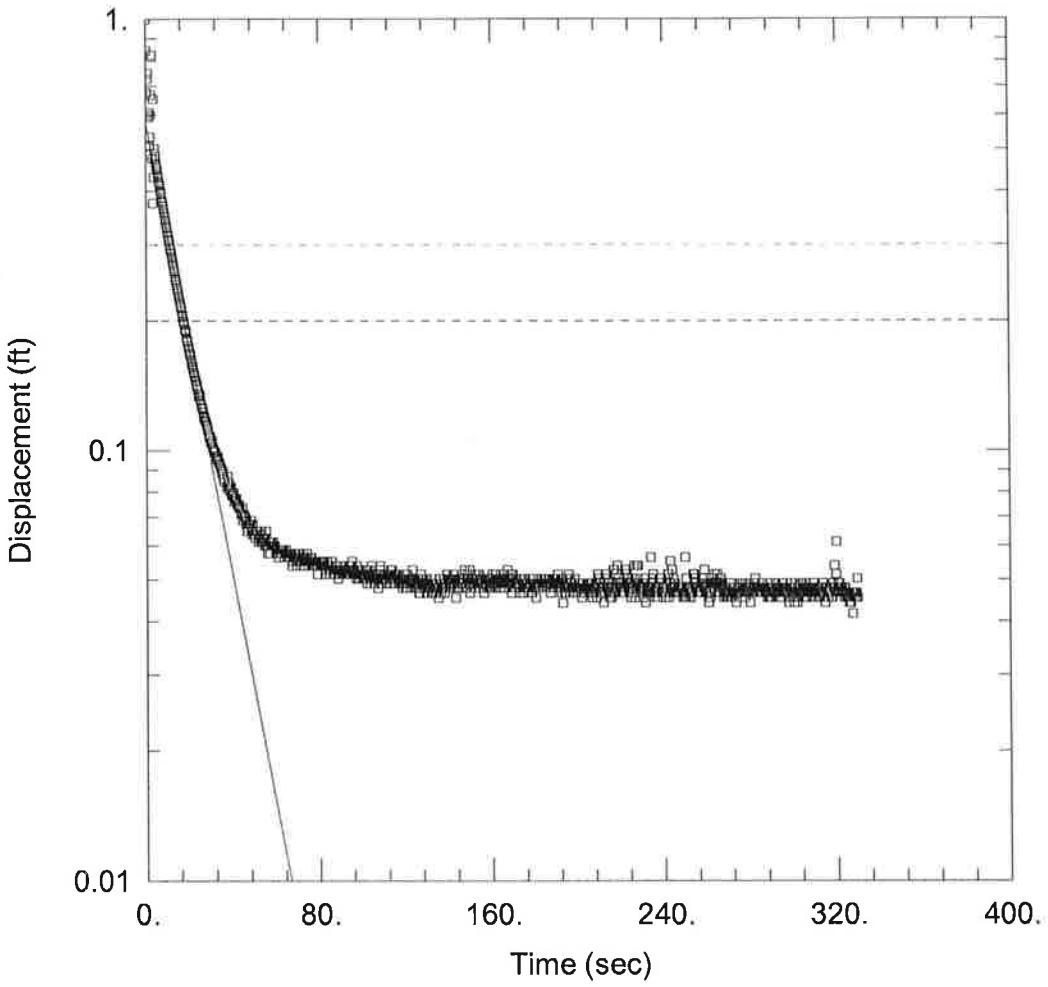
Initial Displacement: 1. ft
Total Well Penetration Depth: 11.3 ft
Casing Radius: 0.08333 ft
Static Water Column Height: 11.3 ft
Screen Length: 10. ft
Wellbore Radius: 0.33 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

K = 3.988E-5 ft/sec
y0 = 0.5409 ft


MW4 RH1
Temperature (C)
Depth (ft)
6.100
6.000
5.900
5.800
5.700
5.600
5.500
5.400
5.300
5.200
5.100
5/28/2013 1:35:00 PM
5/28/2013 1:36:00 PM
5/28/2013 1:37:00 PM
5/28/2013 1:38:00 PM
5/28/2013 1:39:00 PM
5/28/2013 1:40:00 PM
5/28/2013 1:41:00 PM



MW-4 FH2

Data Set: I:\11176892\Support Data\SLUG TESTS\MW-4 FH2.aqt
Date: 10/10/13 Time: 15:06:01

PROJECT INFORMATION

Company: URS
Client: DEC
Location: Old Agway
Test Well: MW-4
Test Date: 05/28/13

AQUIFER DATA

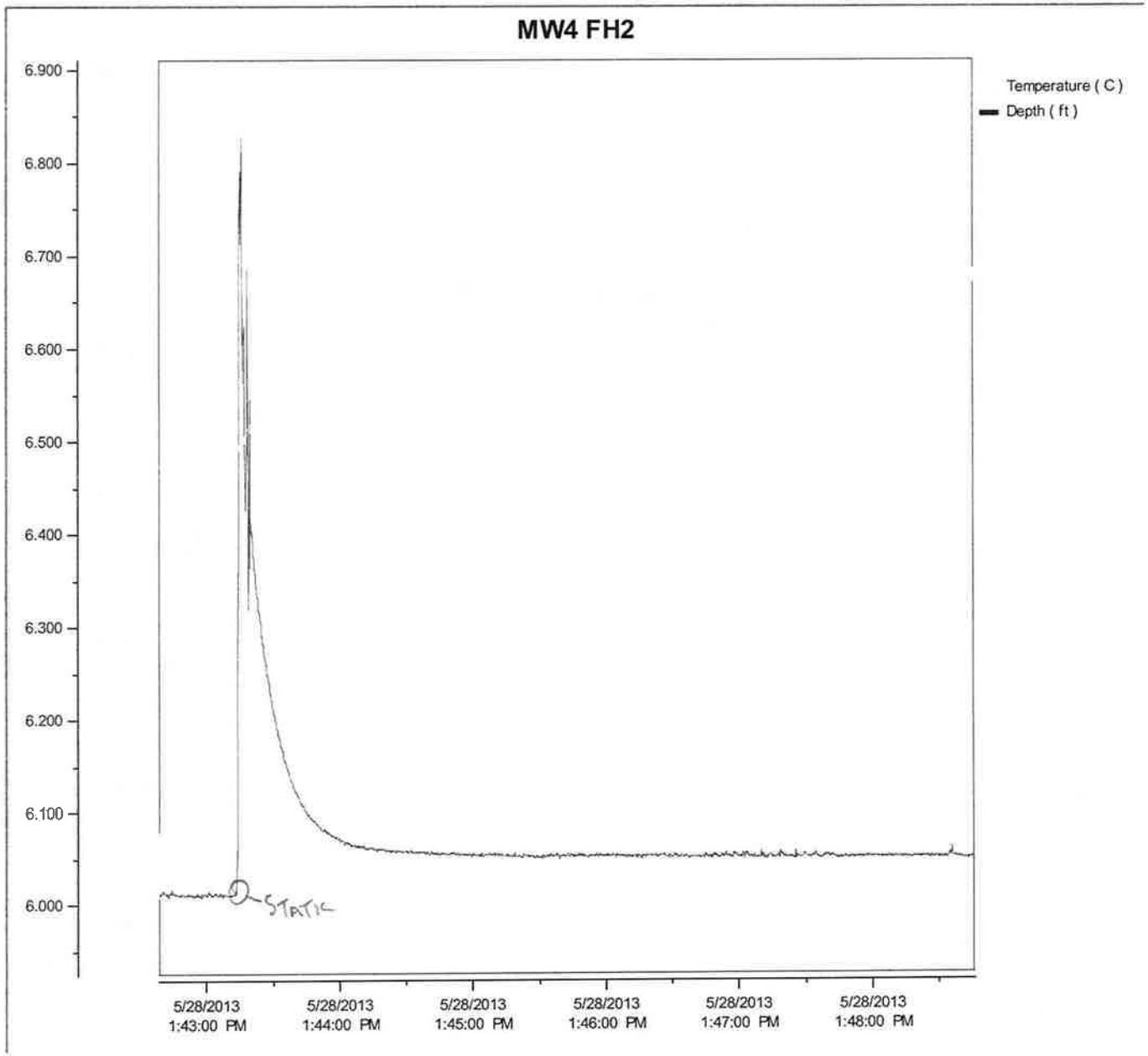
Saturated Thickness: 12.3 ft Anisotropy Ratio (Kz/Kr): 1.

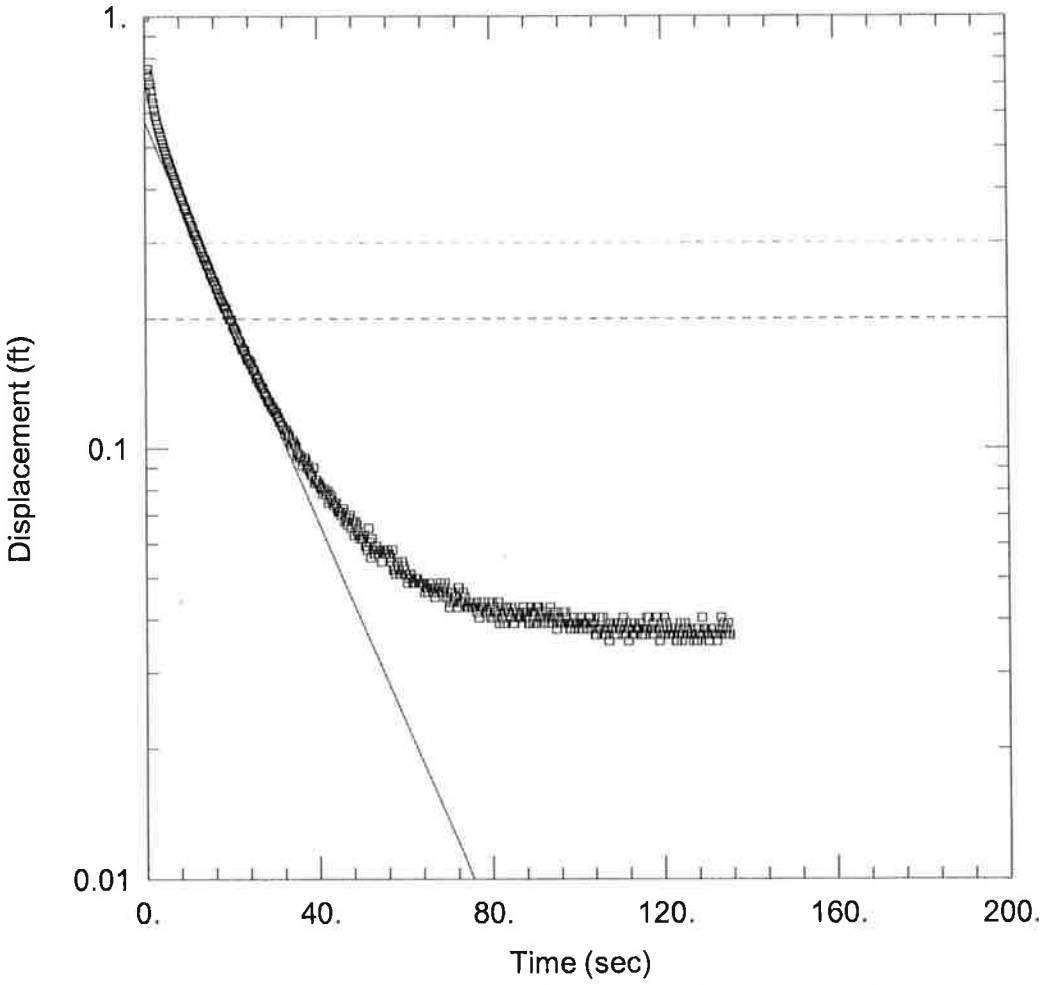
WELL DATA (MW-4)

Initial Displacement: 1. ft
Total Well Penetration Depth: 11.3 ft
Casing Radius: 0.08333 ft
Static Water Column Height: 11.3 ft
Screen Length: 10. ft
Wellbore Radius: 0.33 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 5.212E-5 ft/sec
y0 = 0.5769 ft


MW4 FH2
6.900
6.800
6.700
6.600
6.500
6.400
6.300
6.200
6.100
6.000
Temperature (C)
Depth (ft)
STATIC
5/28/2013 1:43:00 PM
5/28/2013 1:44:00 PM
5/28/2013 1:45:00 PM
5/28/2013 1:46:00 PM
5/28/2013 1:47:00 PM
5/28/2013 1:48:00 PM



MW-4 RH2

Data Set: I:\11176892\Support Data\SLUG TESTS\MW-4 RH2.aqt
Date: 10/10/13 Time: 15:06:53

PROJECT INFORMATION

Company: URS
Client: DEC
Location: Old Agway
Test Well: MW-4
Test Date: 05/28/13

AQUIFER DATA

Saturated Thickness: 12.3 ft Anisotropy Ratio (Kz/Kr): 1.

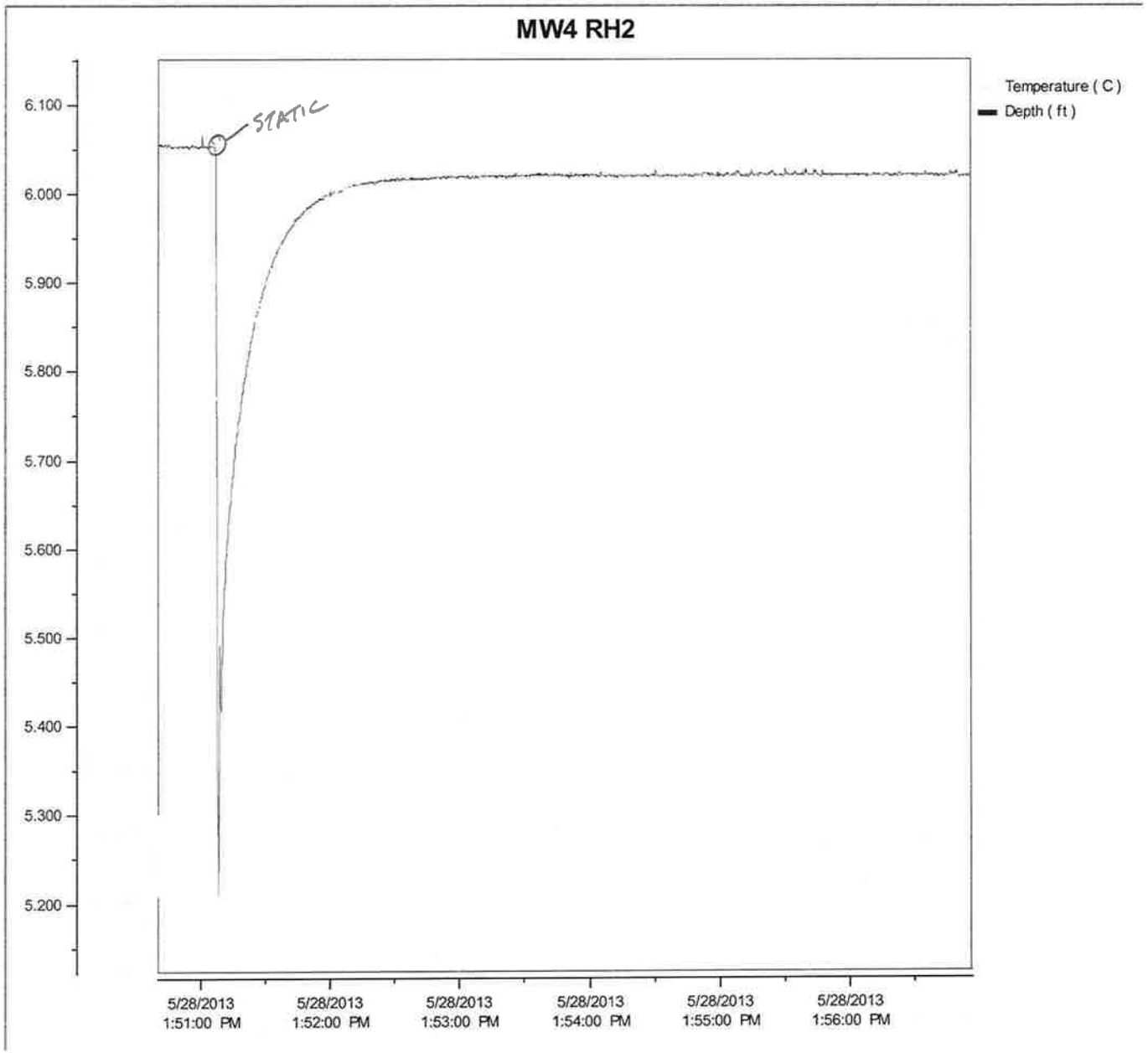
WELL DATA (MW-4)

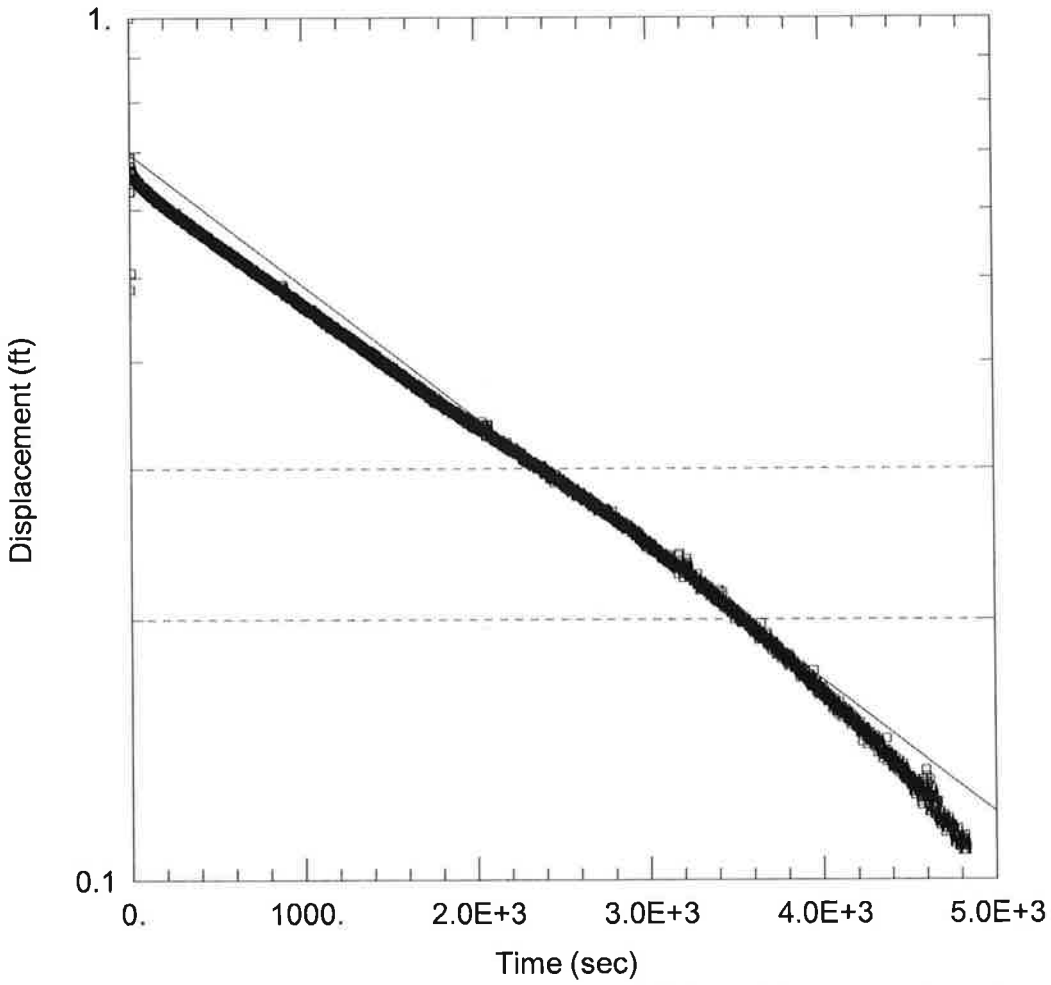
Initial Displacement: 1. ft
Total Well Penetration Depth: 11.3 ft
Casing Radius: 0.08333 ft
Static Water Column Height: 11.3 ft
Screen Length: 10. ft
Wellbore Radius: 0.33 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

K = 4.566E-5 ft/sec
y0 = 0.5715 ft


MW4 RH2
STATIC
Temperature (C)
Depth (ft)
6.100
6.000
5.900
5.800
5.700
5.600
5.500
5.400
5.300
5.200
5/28/2013 1:51:00 PM
5/28/2013 1:52:00 PM
5/28/2013 1:53:00 PM
5/28/2013 1:54:00 PM
5/28/2013 1:55:00 PM
5/28/2013 1:56:00 PM



MW-5 FH1

Data Set: I:\11176892\Support Data\SLUG TESTS\MW-5 FH1.aqt
Date: 10/10/13 Time: 15:07:42

PROJECT INFORMATION

Company: URS
Client: DEC
Location: Old Agway
Test Well: MW-5
Test Date: 05/28/13

AQUIFER DATA

Saturated Thickness: 12.97 ft Anisotropy Ratio (Kz/Kr): 1.

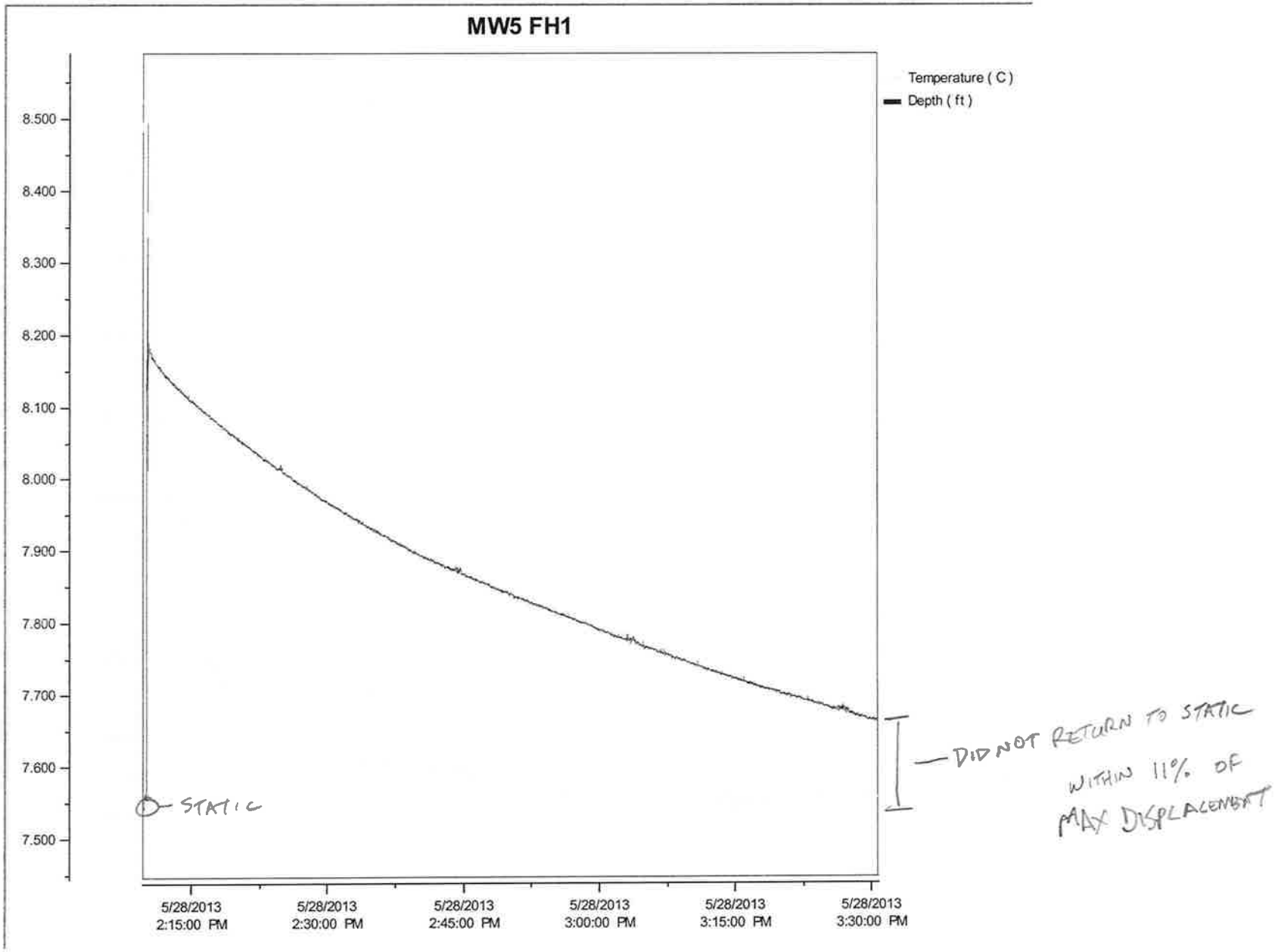
WELL DATA (MW-5)

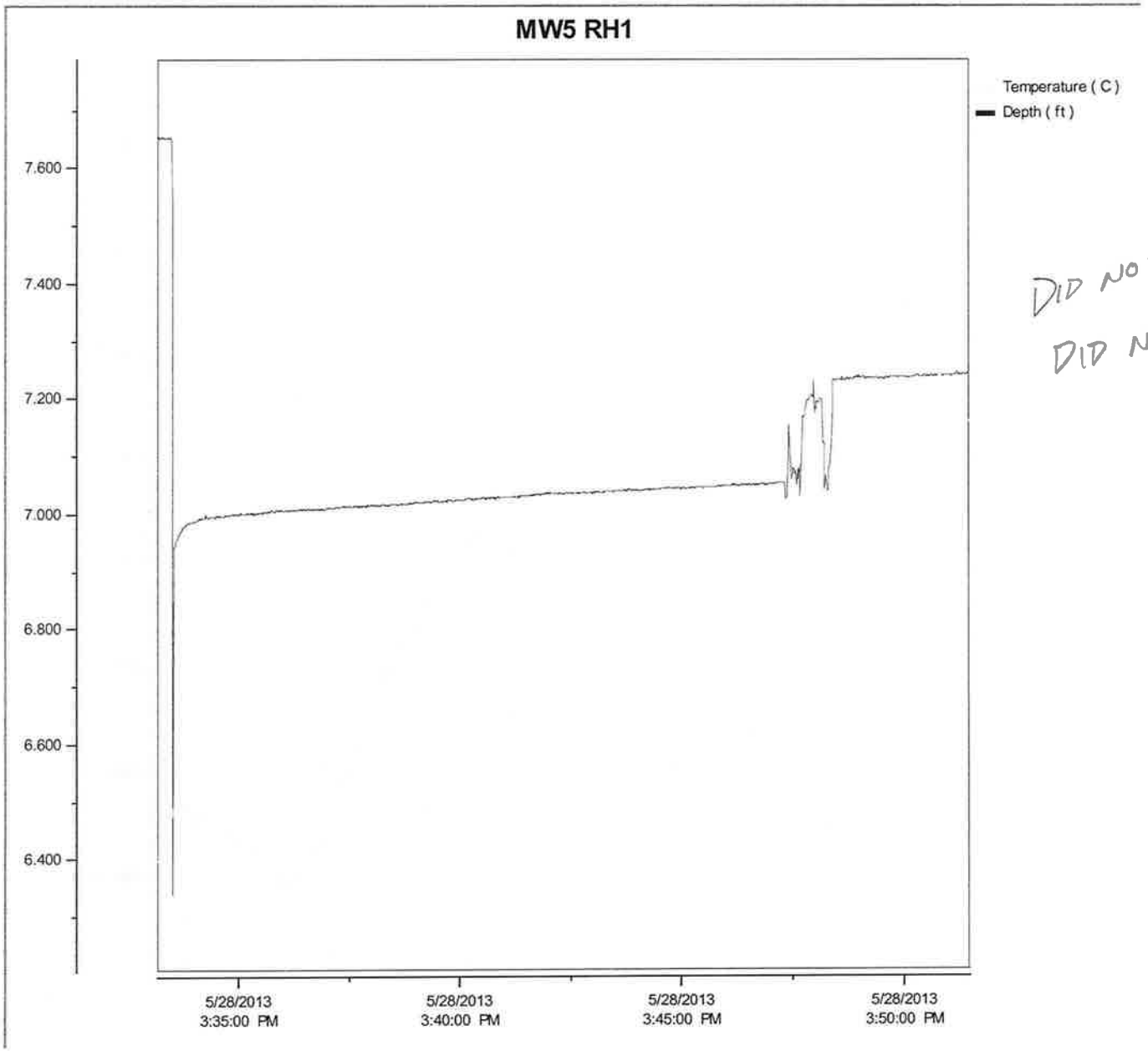
Initial Displacement: 1. ft
Total Well Penetration Depth: 12.47 ft
Casing Radius: 0.08333 ft
Static Water Column Height: 12.47 ft
Screen Length: 10. ft
Wellbore Radius: 0.33 ft

SOLUTION

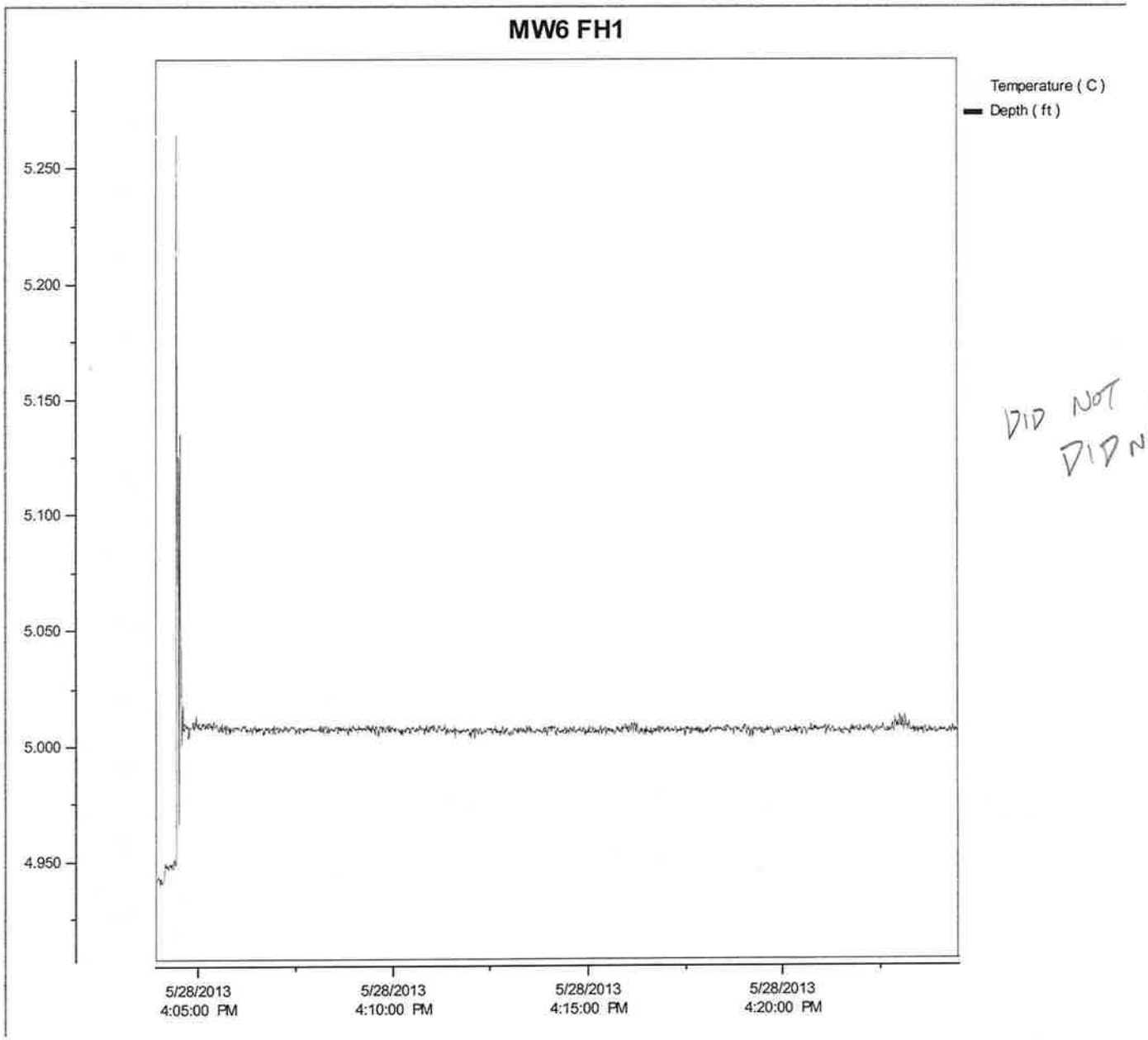
Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

K = 3.137E-7 ft/sec
y0 = 0.696 ft

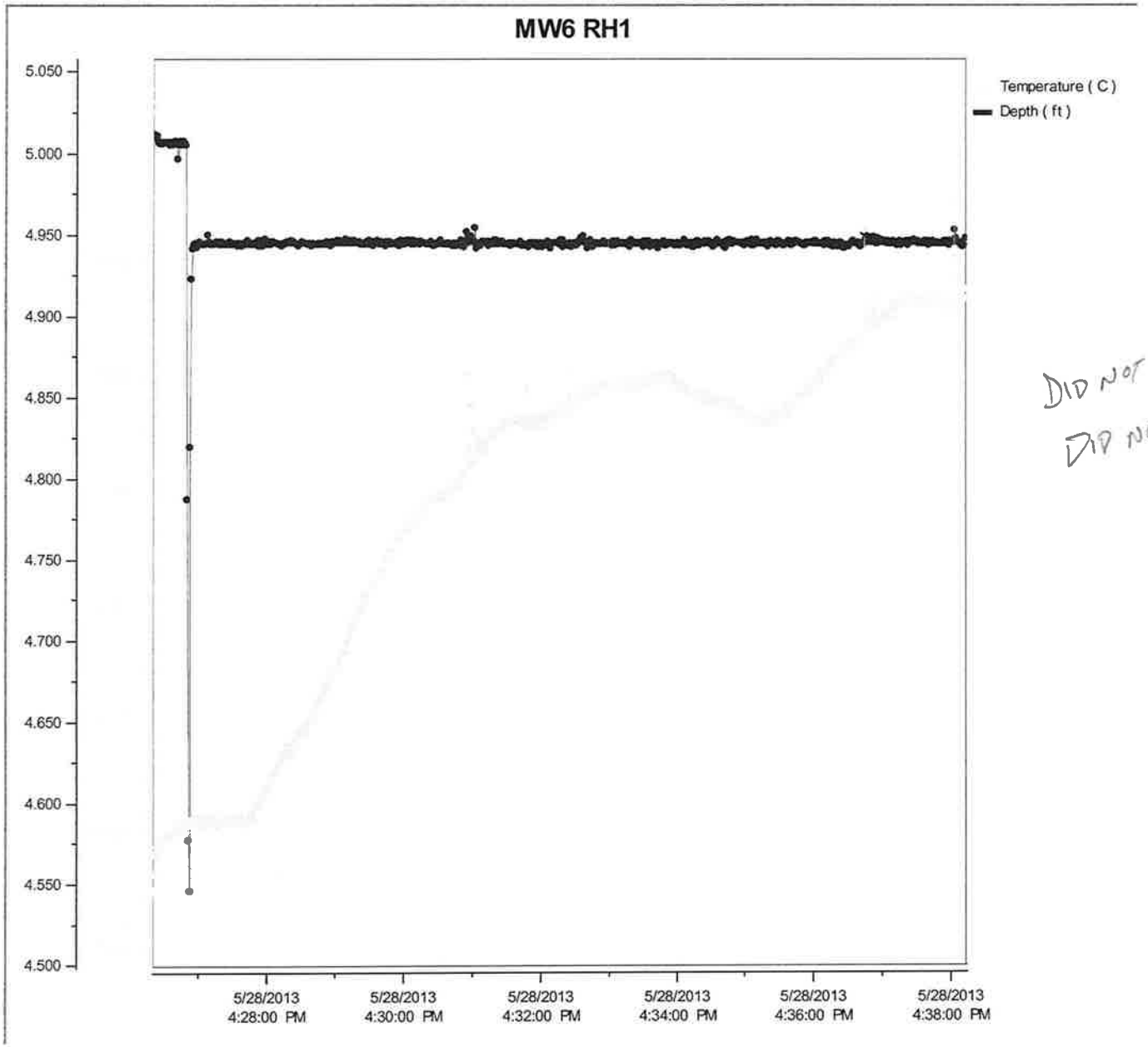

MW5 FH1
Temperature (C)
Depth (ft)
8.500
8.400
8.300
8.200
8.100
8.000
7.900
7.800
7.700
7.600
7.500
5/28/2013 2:15:00 PM
5/28/2013 2:30:00 PM
5/28/2013 2:45:00 PM
5/28/2013 3:00:00 PM
5/28/2013 3:15:00 PM
5/28/2013 3:30:00 PM
STATIC
DID NOT RETURN TO STATIC WITHIN 11% OF MAX DISPLACEMENT



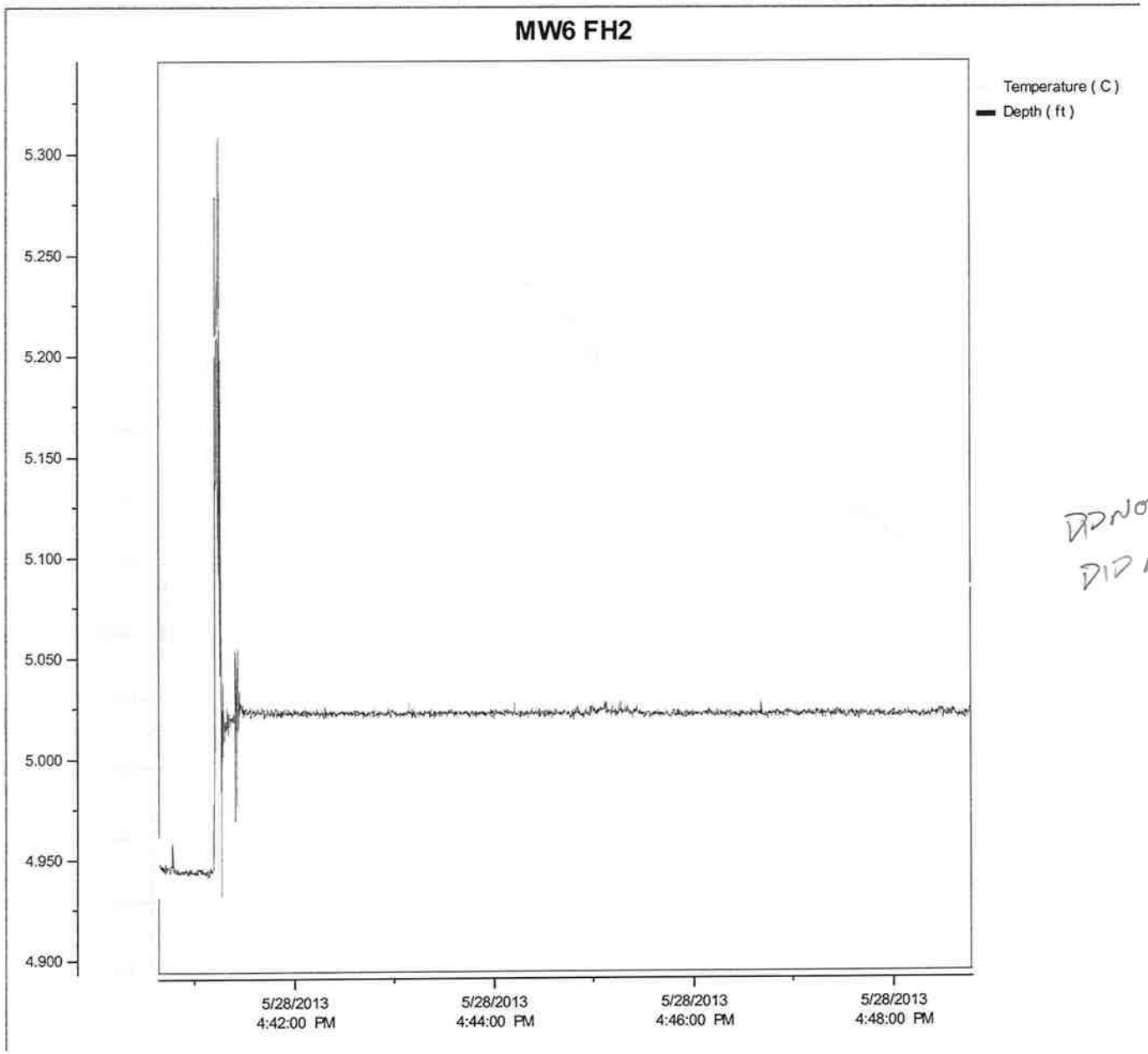
DID NOT ANALYZE
DID NOT FULLY RECOVER



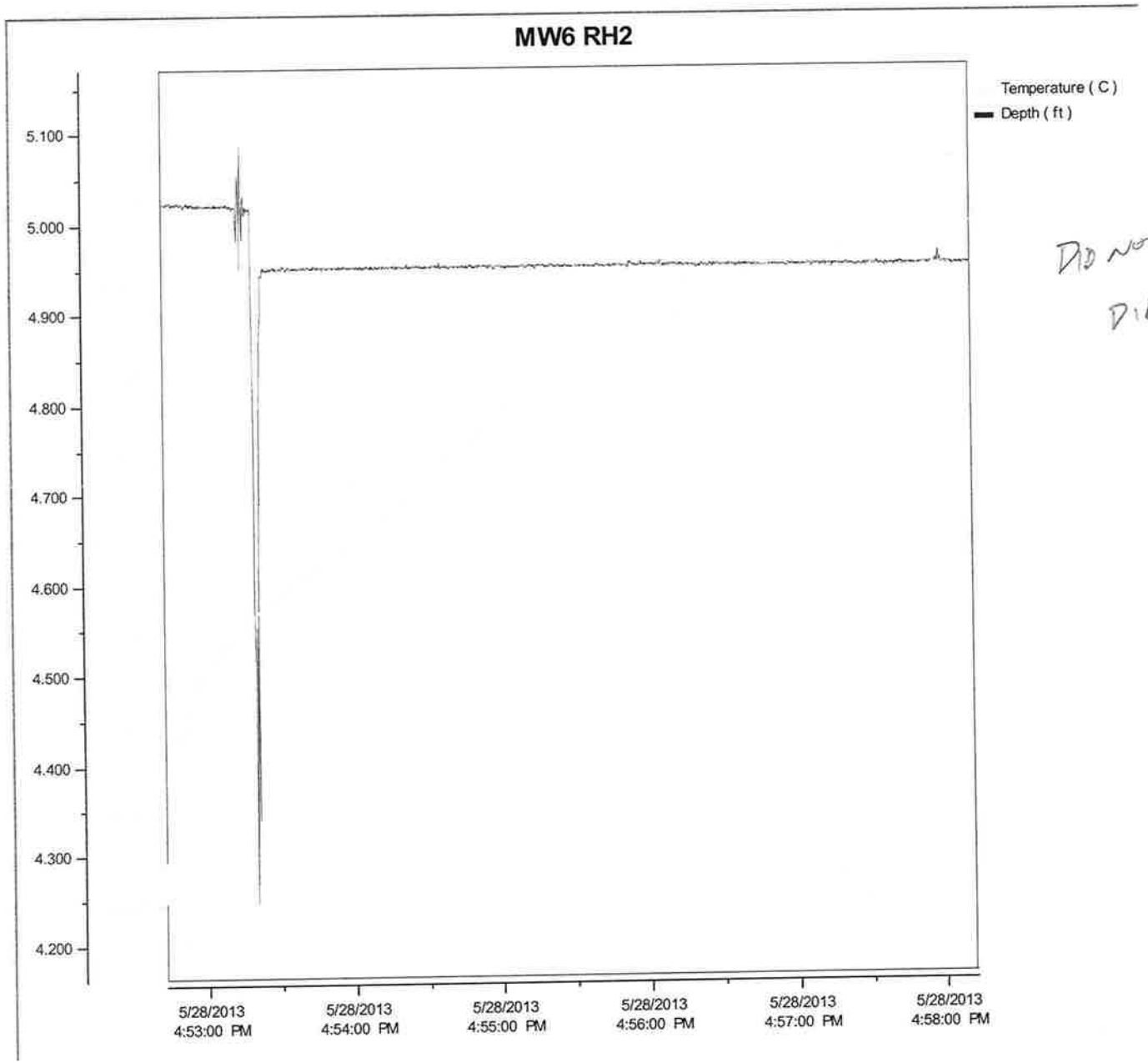
DID NOT ANALYZE
DID NOT RECOVER



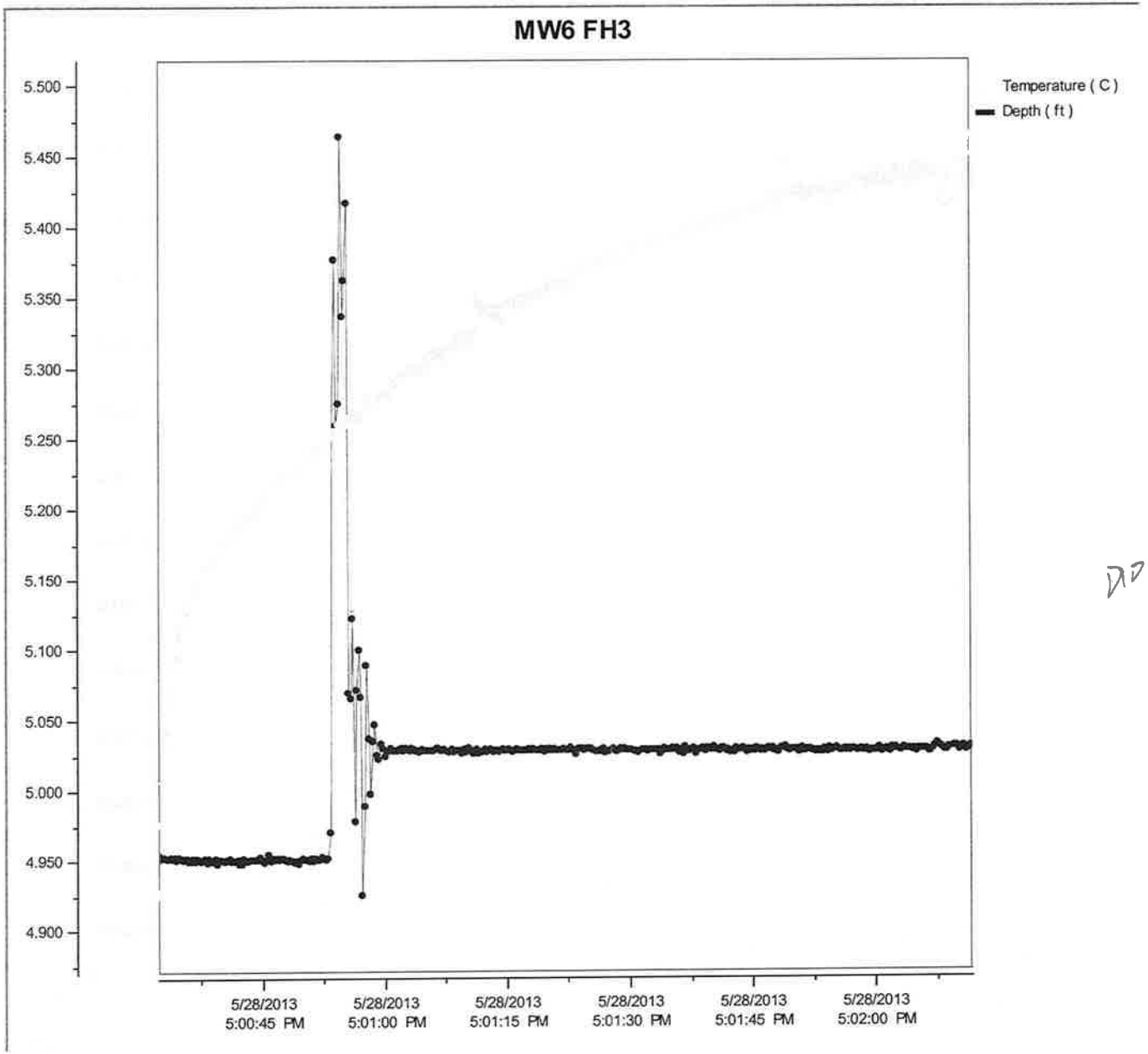
DID NOT ANALYZE.
DID NOT RECOVER



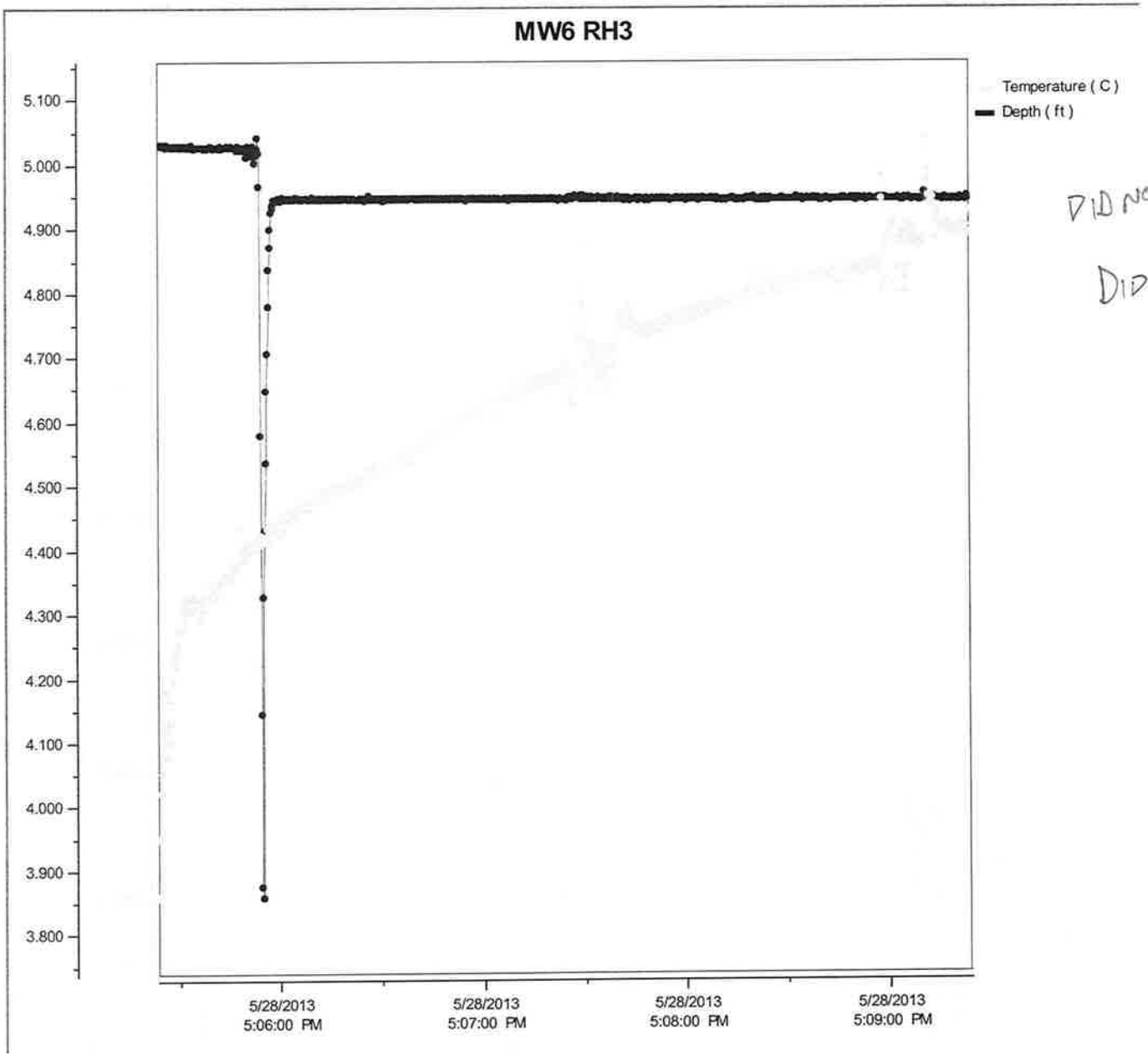
DID NOT ANALYZE
DID NOT RECOVER



DID NOT ANALYZE,
DID NOT RECOVER

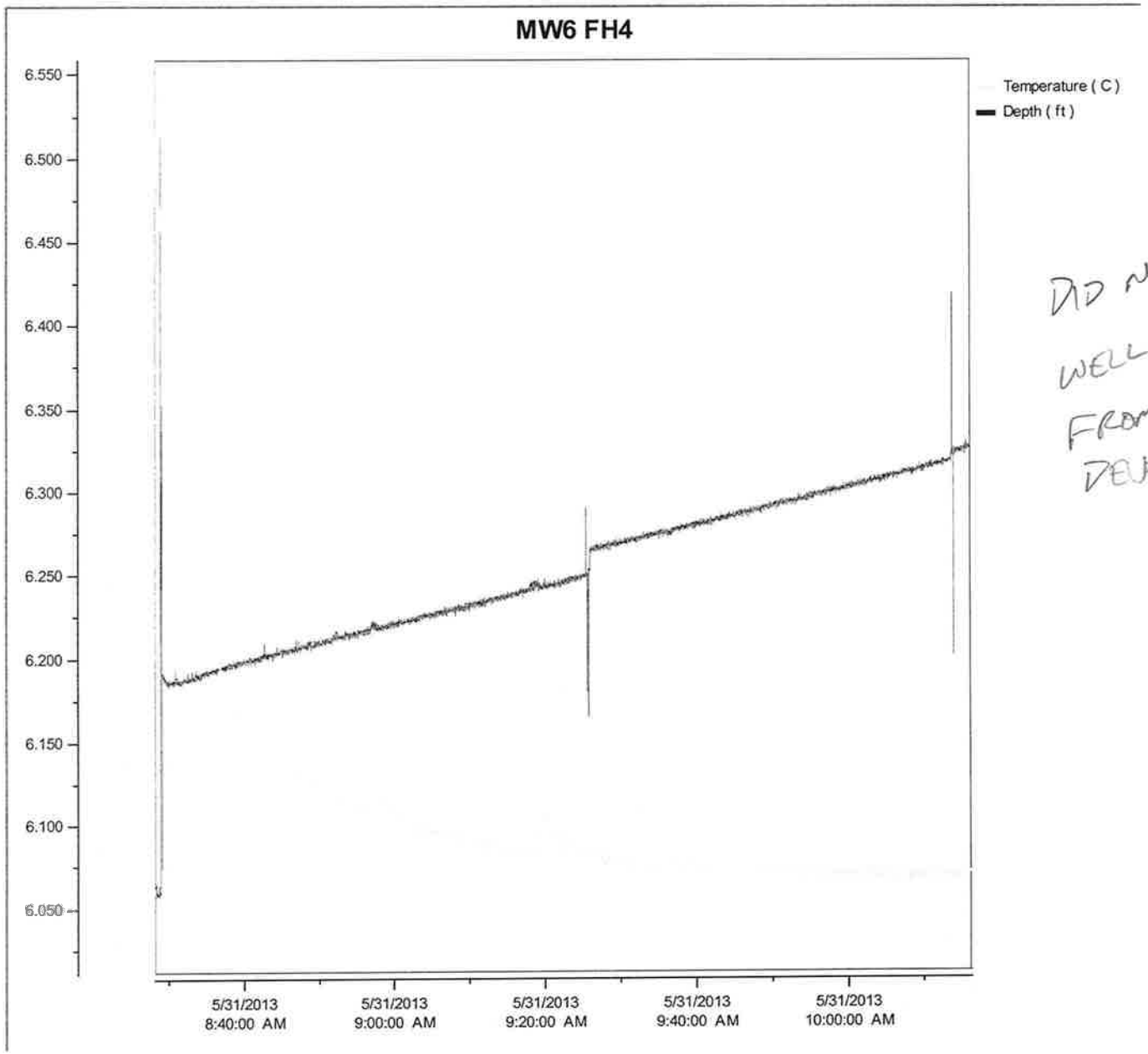


DO NOT ANALYZE
DO NOT RECOVER

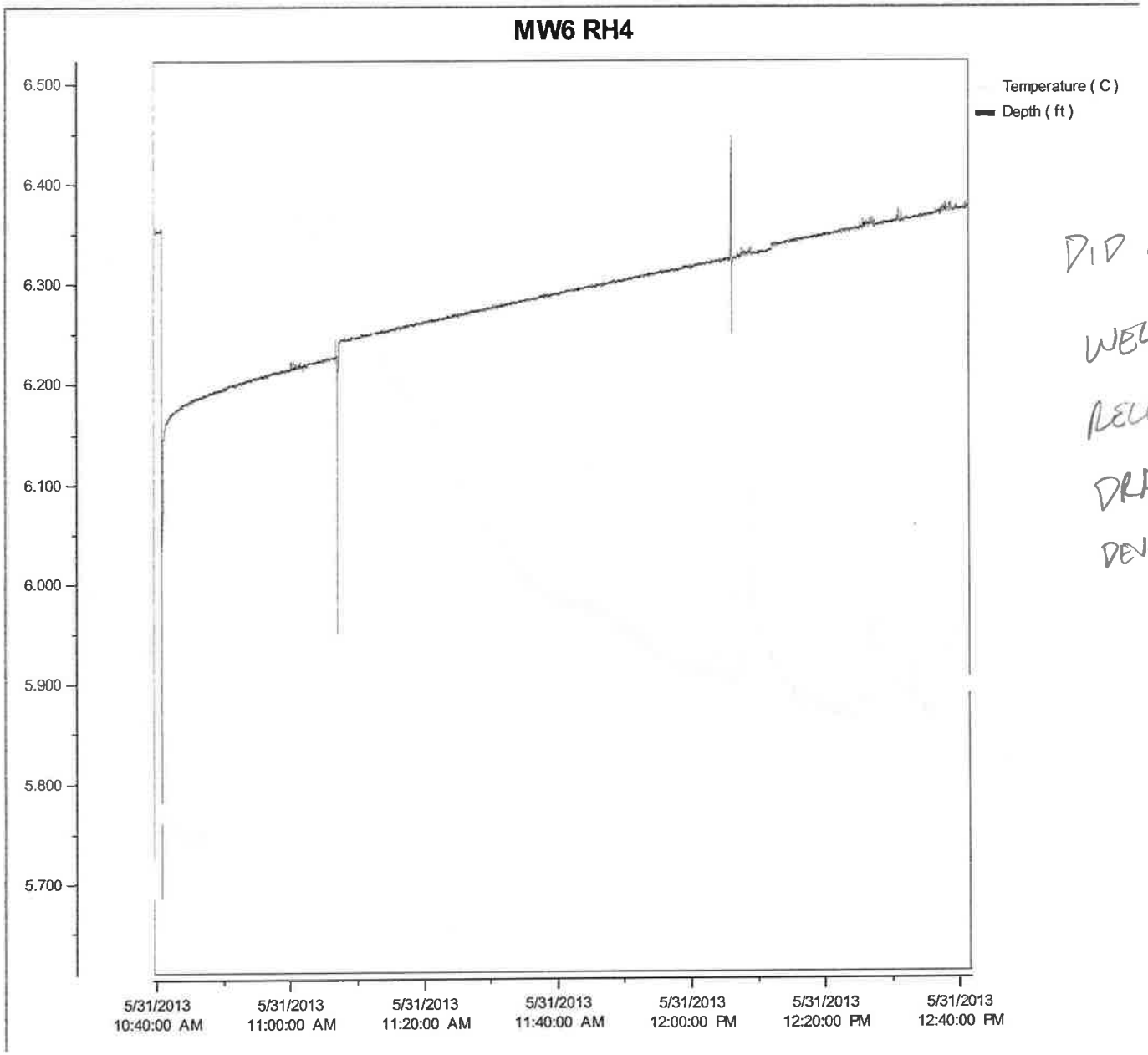


DID NOT ANALYZE

DID NOT RECOVER



DID NOT ANALYZE
WELL WAS STILL RECOVERING
FROM DRAWDOWN FROM
DEVELOPMENT ACTIVITIES



DID NOT ANALYZE WELL WAS STILL RECOVERING FROM DRAWDOWN FROM DEVELOPMENT ACTIVITIES

SECTION 3:

MONITORING WELL DETAILS

DRILLING SUMMARY

Geologist:
Tim Burmeier

Drilling Company:
SJB Services, Inc.

Driller:
Tom Farrell

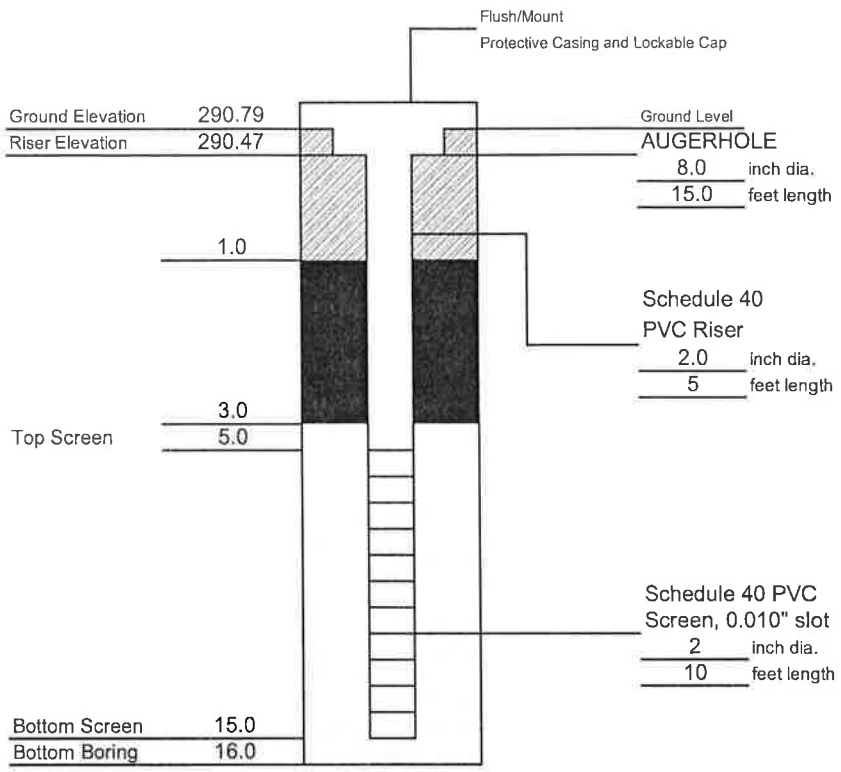
Rig Make/Model:
CME-550 ATV

Date:
5/13/2013

GEOLOGIC LOG

Depth(ft.)	Description
0-3.5	Fill
3.5-14	Clayey silt
14-16	Silty Clay

DEPTH



WELL DESIGN

CASING MATERIAL		SCREEN MATERIAL		FILTER MATERIAL	
Surface:	8"-Flush Mount Roadbox	Type:	2"-Schedule 40 PVC	Type: Fil Pro #1 sand	Setting: 3.0'-16
Monitor	2"-Schedule 40 PVC	Slot Size:	0.010"	SEAL MATERIAL	
				Type: Bentonite Chips	Setting: 1.0'-3.0'
				Type: Concrete/ Bentonite Grout	Setting: 0.0-1.0'

COMMENTS:

LEGEND

- Cement/Bentonite Grout
- Bentonite Seal
- Silica Sandpack

Client: NYSDEC	**Location:** Old Agway Site Ballston Spa, NY	**Project No.:** 11176892
URS Corporation	**MONITORING WELL CONSTRUCTION DETAILS**	**Well Number:** MW-1

DRILLING SUMMARY

Geologist: Tim Burmeier

Drilling Company: SJB Services, Inc.

Driller: Tom Farrell

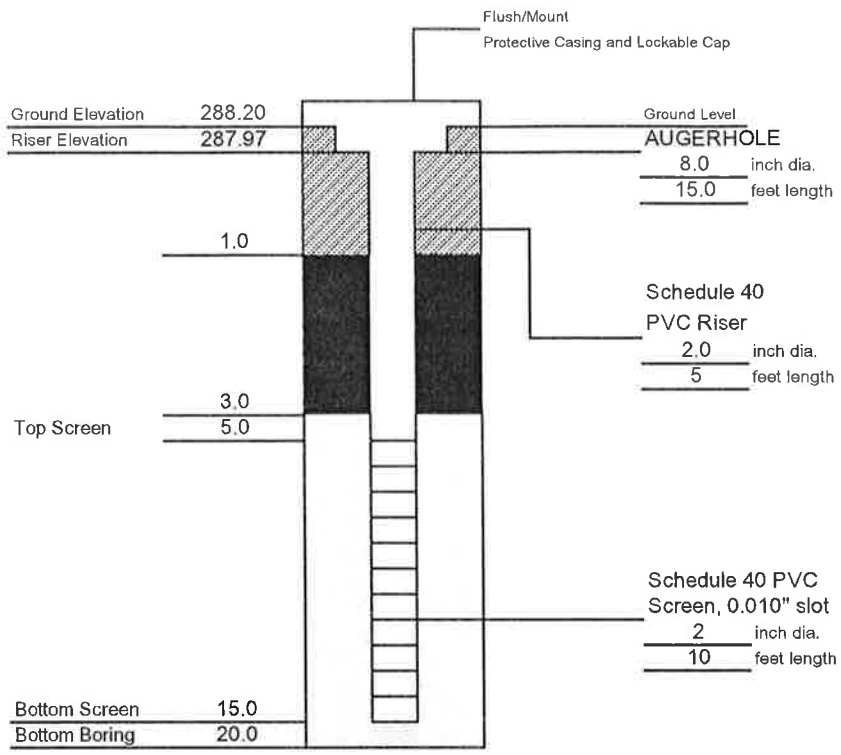
Rig Make/Model: CME-550 ATV

Date: 5/14/2013

GEOLOGIC LOG

Depth(ft.)	Description
0-10	Fill
10-12	Sand and Clay
12-20	Clayey Silt

DEPTH



WELL DESIGN

CASING MATERIAL		SCREEN MATERIAL		FILTER MATERIAL
Surface:	8"-Flush Mount Roadbox	Type:	2"-Schedule 40 PVC	Type: Fil Pro #1 sand — Setting: 3.0'-20'
Monitor	2"-Schedule 40 PVC	Slot Size:	0.010"	SEAL MATERIAL
				Type: Bentonite Chips — Setting: 1.0'-3.0'
				Type: Concrete/ Bentonite Grout — Setting: 0.0-1.0'

COMMENTS:

LEGEND

- Cement/Bentonite Grout
- Bentonite Seal
- Silica Sandpack

Client: NYSDEC	**Location:** Old Agway Site, Ballston Spa, NY	**Project No.:** 11176892
URS Corporation	**MONITORING WELL CONSTRUCTION DETAILS**	**Well Number:** MW-2

DRILLING SUMMARY

Geologist:
Tim Burmeier

Drilling Company:
SJB Services, Inc.

Driller:
Tom Farrell

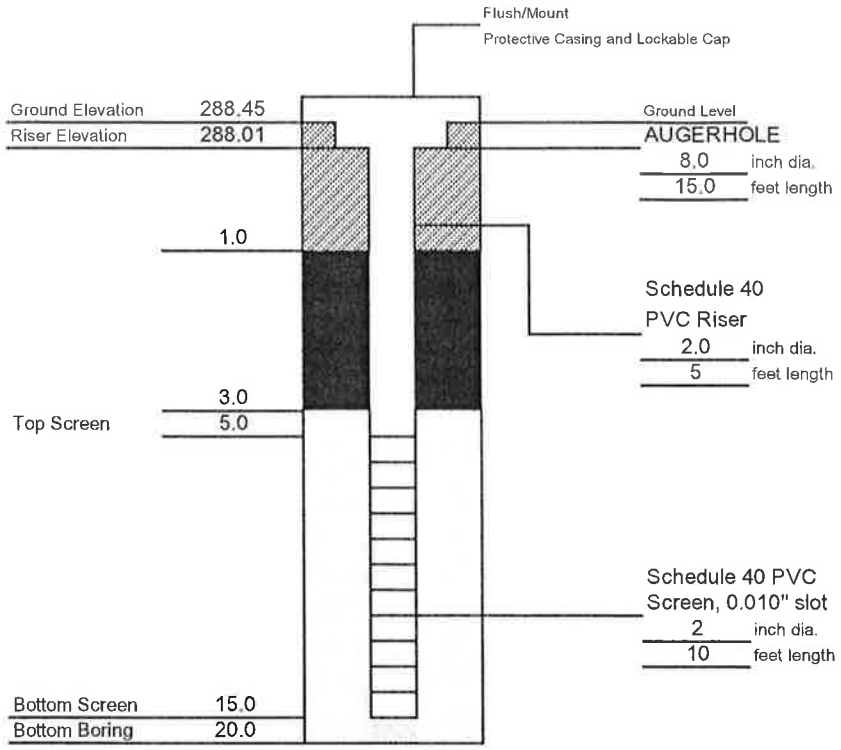
Rig Make/Model:
CME-550 ATV

Date:
5/14/2013

GEOLOGIC LOG

Depth(ft.)	Description
0-10	Fill
10-12	Sand and Clay
12-20	Clayey Silt

DEPTH



WELL DESIGN

CASING MATERIAL		SCREEN MATERIAL		FILTER MATERIAL
Surface:	8"-Flush Mount Roadbox	Type:	2"-Schedule 40 PVC	Type: Fil Pro #1 sand — Setting: 3.0'-20
Monitor	2"-Schedule 40 PVC	Slot Size:	0.010"	SEAL MATERIAL
				Type: Bentonite Chips — Setting: 1.0'-3.0'
				Type: Concrete/ Bentonite Grout — Setting: 0.0-1.0'

COMMENTS:

LEGEND

- Cement/Bentonite Grout
- Bentonite Seal
- Silica Sandpack

Client: NYSDEC	**Location:** Old Agway Site, Ballston Spa, NY	**Project No.:** 11176892
URS Corporation	**MONITORING WELL CONSTRUCTION DETAILS**	**Well Number:** MW-3

DRILLING SUMMARY

Geologist:
Tim Burmeier

Drilling Company:
SJB Services, Inc.

Driller:
Tom Farrell

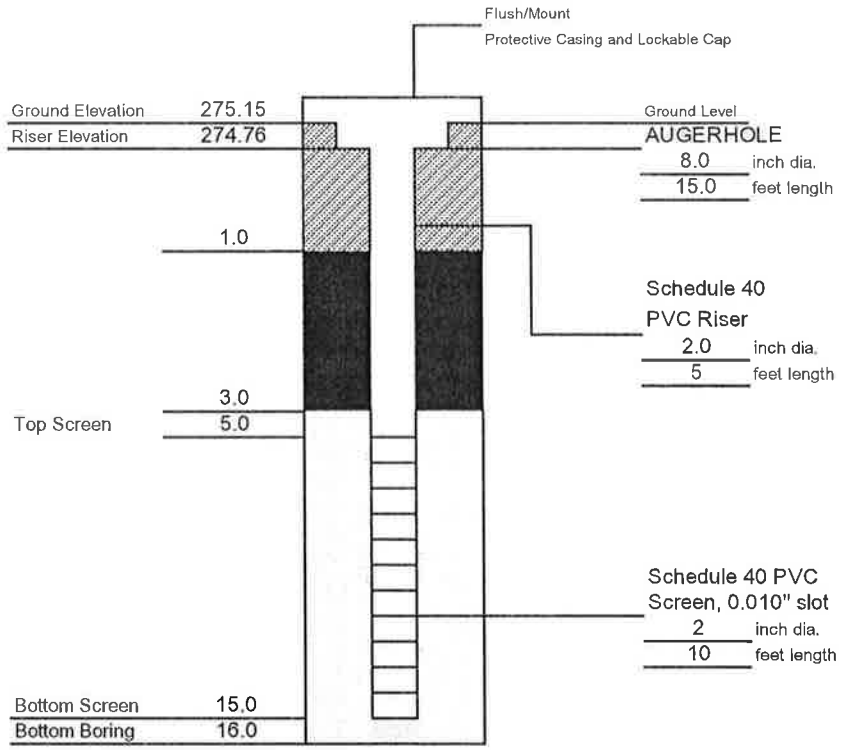
Rig Make/Model:
CME-550 ATV

Date:
5/20/2013

GEOLOGIC LOG

Depth(ft.)	Description
0-4	Fill
4-16	Clayey Silt

DEPTH



WELL DESIGN

CASING MATERIAL		SCREEN MATERIAL		FILTER MATERIAL	
Surface:	8"-Flush Mount Roadbox	Type:	2"-Schedule 40 PVC	Type: Fil Pro #1 sand	Setting: 3.0'-16
Monitor	2"-Schedule 40 PVC	Slot Size:	0.010"	**SEAL MATERIAL**	
				Type: Bentonite Chips	Setting: 1.0'-3.0'
				Type: Concrete/ Bentonite Grout	Setting: 0.0-1.0'

COMMENTS:

LEGEND

- Cement/Bentonite Grout
- Bentonite Seal
- Silica Sandpack

Client: NYSDEC	**Location:** Old Agway Site Ballston Spa, NY	**Project No.:** 11176892
URS Corporation	**MONITORING WELL CONSTRUCTION DETAILS**	**Well Number:** MW-4

DRILLING SUMMARY

Geologist:
Tim Burmeier

Drilling Company:
SJB Services, Inc.

Driller:
Tom Farrell

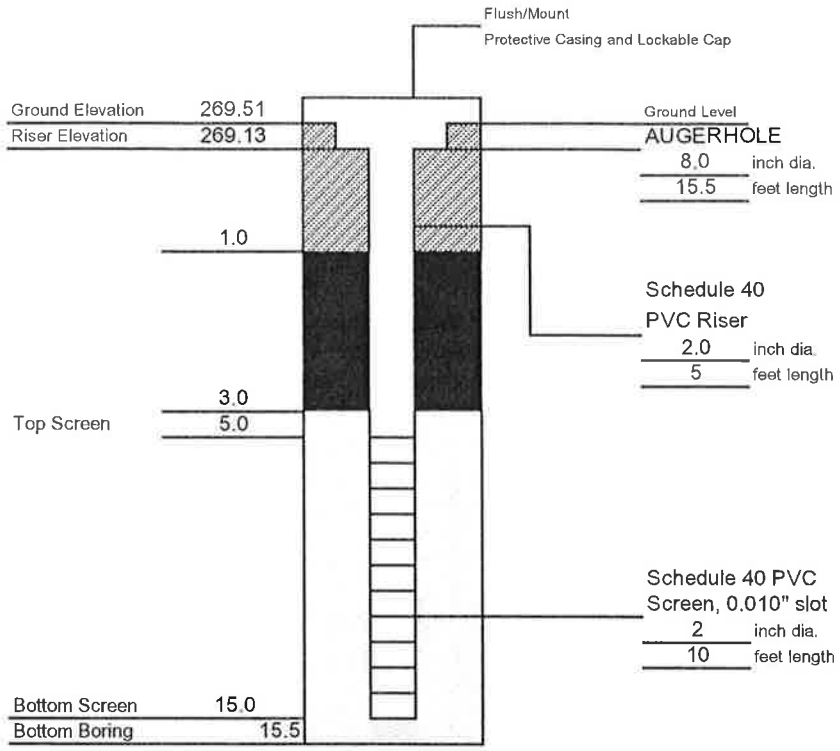
Rig Make/Model:
CME-550 ATV

Date:
5/23/2013

GEOLOGIC LOG

Depth(ft.)	Description
0-4	Fill
4-16	Clayey Silt

DEPTH



WELL DESIGN

CASING MATERIAL		SCREEN MATERIAL		FILTER MATERIAL
Surface:	8"-Flush Mount Roadbox	Type:	2"-Schedule 40 PVC	Type: Fil Pro #1 sand — Setting: 3.0'-16
Monitor	2"-Schedule 40 PVC	Slot Size:	0.010"	SEAL MATERIAL
				Type: Bentonite Chips — Setting: 1.0'-3.0'
				Type: Concrete/ Bentonite Grout — Setting: 0.0-1.0'

COMMENTS:

LEGEND

- Cement/Bentonite Grout
- Bentonite Seal
- Silica Sandpack

Client: NYSDEC	**Location:** Old Agway Site, Ballston Spa, NY	**Project No.:** 11176892
URS Corporation	**MONITORING WELL CONSTRUCTION DETAILS**	**Well Number:** MW-5

DRILLING SUMMARY

Geologist: Tim Burmeier

Drilling Company: SJB Services, Inc.

Driller: Tom Farrell

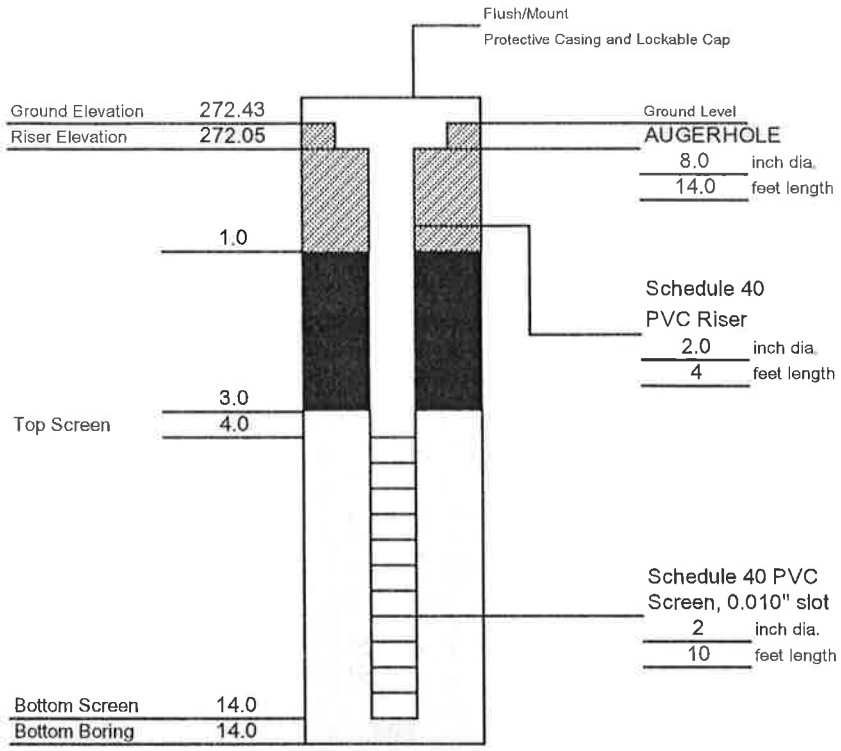
Rig Make/Model: CME-550 ATV

Date: 5/21/2013

GEOLOGIC LOG

Depth (ft.)	Description
0-4	Fill
4-16	Clayey Silt

DEPTH



WELL DESIGN

CASING MATERIAL		SCREEN MATERIAL		FILTER MATERIAL	
Surface:	8"-Flush Mount Roadbox	Type:	2"-Schedule 40 PVC	Type: Fil Pro #1 sand	Setting: 3.0'-16
Monitor	2"-Schedule 40 PVC	Slot Size:	0.010"	**SEAL MATERIAL**	
				Type: Bentonite Chips	Setting: 1.0'-3.0'
				Type: Concrete/ Bentonite Grout	Setting: 0.0-1.0'

COMMENTS:

LEGEND

- Cement/Bentonite Grout
- Bentonite Seal
- Silica Sandpack

Client: NYSDEC	**Location:** Old Agway Site, Ballston Spa, NY	**Project No.:** 11176892
URS Corporation	**MONITORING WELL CONSTRUCTION DETAILS**	**Well Number:** MW-6

SECTION 4:

REFERENCES

Table 5.1 Porosities for Common Consolidated and Unconsolidated Materials

Unconsolidated Sediments	η (%)	Consolidated Rocks	η (%)
Clay	45–55	Sandstone	5–30
Silt	35–50	Limestone/dolomite (original &	
Sand	25–40	secondary porosity	1–20
Gravel	25–40	Shale	0–10
Sand & gravel mixes	10–35	Fractured crystalline rock	0–10
Glacial till	10–25	Vesicular basalt	10–50
		Dense, solid rock	< 1

ASSUME WELL SANDPACK POROSITY OF 30 %

volume of water an aquifer can hold, it does not indicate how much water the aquifer will yield.

When water is drained from a saturated material under the force of gravity, the material releases only part of the total volume stored in its pores. The quantity of water that a unit volume of unconfined aquifer gives up by gravity is called its specific yield (Figure 5.5). Specific yields for certain rocks and sediment types are presented in Table 5.2. Some water is retained in the pores by molecular attraction and capillarity. The amount of water that a unit volume of aquifer retains after gravity drainage is called its specific retention. The smaller the average grain size, the greater is the percent of retention; the coarser the sediment, the greater will be the specific yield when compared to the porosity. The surface area for different-size sand grains is shown in Table 5.3. Note the large increase in surface area for the finest sediment. As the surface area increases, a larger percentage of the water in the pores is held by surface tension or other adhesive forces. Therefore, finer sediments have lower specific yields compared to coarser sediments, even if they both have the same porosity.

Specific yield plus specific retention equals the porosity of an aquifer. Both specific yield and specific retention are expressed as decimal fractions or percentages. Specific yields of unconfined aquifers (equivalent to their storage coefficients*) range from 0.01 to 0.30. Specific yields cannot be determined for confined aquifers because the aquifer materials are not dewatered during pumping.

Storage coefficients are much lower in confined aquifers because they are not drained during pumping, and any water released from storage is obtained primarily by compression of the aquifer and expansion of the water when pumped. During

Table 5.2. Representative Specific Yield Ranges for Selected Earth Materials

Sediment	Specific Yield, %
Clay	1–10
Sand	10–30
Gravel	15–30
Sand and Gravel	15–25
Sandstone	5–15
Shale	0.5– 5
Limestone	0.5– 5

(Walton, 1970)

*The coefficient of storage is fully defined in Chapter 9. Briefly, it is the volume of water taken into or released from storage per unit change in head per unit area.

REFERENCE DRISCOLL, "GROUNDWATER AND WELLS"

The Bouwer and Rice Slug Test — An Update[a]

by Herman Bouwer[b]

ABSTRACT

The Bouwer and Rice slug test was developed to measure aquifer hydraulic conductivity around boreholes (production, monitoring, or test wells). The wells can be partially penetrating and partially screened, perforated, or otherwise open. The slug test can be based on quickly withdrawing a volume of water from the well and measuring the subsequent rate of rise of the water level in the well, or by adding a slug of water and measuring the subsequent rate of fall of the water level in the well. While originally developed for unconfined aquifers, the method can also be used for confined or stratified aquifers if the top of the screen or perforated section is some distance below the upper confining layer. Anomalies ("double straight line effect") sometimes observed in the measured rate of rise of the water level in the well are attributed to drainage of a gravel pack or developed zone around the well following lowering of the water level. The effect of this drainage can be eliminated by ignoring the early data points and using the second straight line portion in the data plot for calculation of hydraulic conductivity. The method is applicable to any diameter and depth of the borehole, provided that the dimensions of the system are covered by the ranges for which the geometry factor R_e has been worked out. The smaller the diameter of the hole, however, the more vulnerable the results will be to aquifer heterogeneities and to inaccuracies in estimating effective well diameters. Computer programs for rapid processing of the field data have been developed.

INTRODUCTION

The slug test developed by Bouwer and Rice (1976) permits the measurement of saturated hydraulic conductivity (K) of aquifer materials with a single well. The method consists of quickly lowering or raising the water level in a well or borehole from equilibrium and measuring its subsequent rate of rise or fall, respectively. The method was designed to measure K of the aquifer around the screen or otherwise open portion of the well for fully or partially penetrating wells in unconfined aquifers. Because of its simplicity, the Bouwer and Rice slug test has become a frequently used tool in ground-water investigations. This paper addresses some of the experiences obtained with the method, including the validity of falling level tests, use of the method in confined aquifers, effect of draining gravel packs on the rise of the water level, effect of hole diameter, and computer processing of field data.

METHODOLOGY

Geometry and symbols of a slug-tested well are shown in Figure 1. The rate of flow of ground water into the well when the water level in the well is a distance y lower than the static ground-water table around the well is calculated with the Thiem equation as

$$Q = 2\pi K L_e \frac{y}{\ln(R_e/r_w)} \qquad (1)$$

where Q = volume rate of flow into well; K = hydraulic conductivity of aquifer around well; L_e = length of screened, perforated, or otherwise open section of well; y = vertical difference between water level inside well and static water table outside

---

[a]Contribution of the U.S. Department of Agriculture, Agricultural Research Service.

[b]Laboratory Director, U.S. Water Conservation Laboratory, Phoenix, Arizona 85040.

Received December 1986, revised August 1988, accepted September 1988.

Discussion open until November 1, 1989.

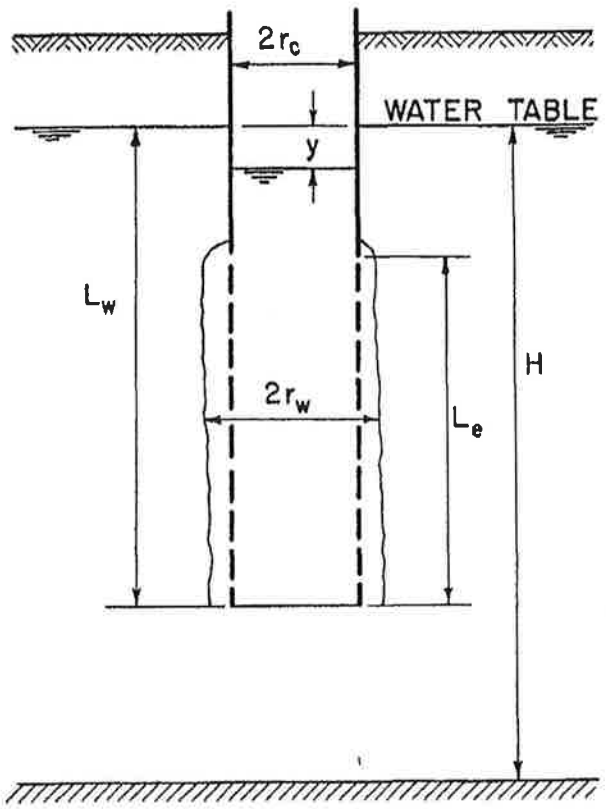


Fig. 1. Geometry and symbols for slug test on partially penetrating, partially screened well in unconfined aquifer with gravel pack and/or developed zone around screen.

well; R_e = effective radial distance over which y is dissipated; and r_w = radial distance of undisturbed portion of aquifer from centerline.

Values of R_e were determined with an electrical resistance network analog for different values of r_w, L_e, L_w, and H (see Figure 1 for meaning of geometry symbols). The value of r_w is the radius of the screened or open section of the well plus the thickness of a sand or gravel pack and/or of the developed zone around the well. Thus, r_w is the radial distance from the center of the well to normal K of the aquifer. Because the thickness of the developed zone is almost never known, the tendency is to ignore it and take only gravel or sand packs into account.

The rate of rise dy/dt of the water level in the well after the water level has been quickly lowered some distance is

$$\frac{dy}{dt} = -\frac{Q}{\pi r_c^2} \qquad (2)$$

where r_c is the radius of the casing or other section of the well where the rise of the water level is measured. If the water level rises in the screened or open section of the well with a gravel pack around it, the thickness and porosity of the gravel envelope should be taken into account when calculating the equivalent value of r_c for the rising water level. This calculation is based on the total free-water surface area in the well and sand or gravel pack, calculated as $\pi r_c^2 + \pi(r_w^2 - r_c^2)n$, where n is the porosity, and $r_w - r_c$ is the thickness of the envelope. The equivalent radius of a circle giving this total area is then calculated as $[(1-n)r_c^2 + nr_w^2]^{1/2}$. For example, if the radius of the screen or perforated casing is 20 cm and there is 8 cm gravel pack with a porosity of 30 percent, r_c should be taken as 25.9 cm, while r_w is 28 cm.

Solving equation (2) for Q, equating the resulting expression to equation (1), integrating, and solving for K yields

$$K = \frac{r_c^2 \ln(R_e/r_w)}{2L_e} \frac{1}{t} \ln \frac{y_0}{y_t} \qquad (3)$$

where y_0 = y at time zero; and y_t = y at time t.

The results of the analog analyses to evaluate R_e for various system geometries were expressed in terms of the dimensionless ratio $\ln(R_e/r_w)$. The data could be fitted into two equations, one for the case where $L_w < H$, and one where $L_w = H$. The resulting equations were, respectively,

$$\ln \frac{R_e}{r_w} = \left[\frac{1.1}{\ln(L_w/r_w)} + \frac{A + B\ln[(H-L_w)/r_w]}{L_e/r_w} \right]^{-1} \qquad (4)$$

and

$$\ln \frac{R_e}{r_w} = \left[\frac{1.1}{\ln(L_w/r_w)} + \frac{C}{L_e/r_w} \right]^{-1} \qquad (5)$$

where A, B, and C are dimensionless numbers plotted in Figure 2 as a function of L_e/r_w.

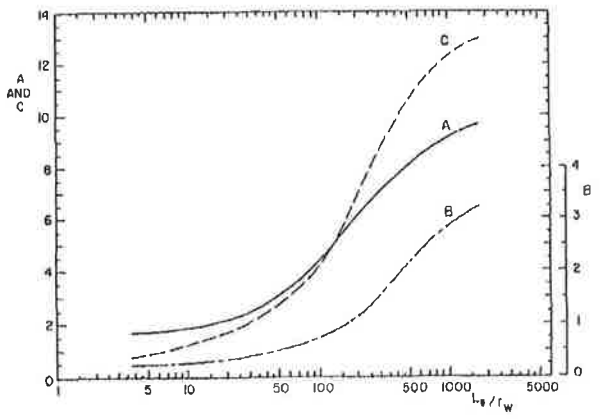


Fig. 2. Dimensionless parameters A, B, and C as a function of L_e/r_w for calculation of $\ln(R_e/r_w)$.

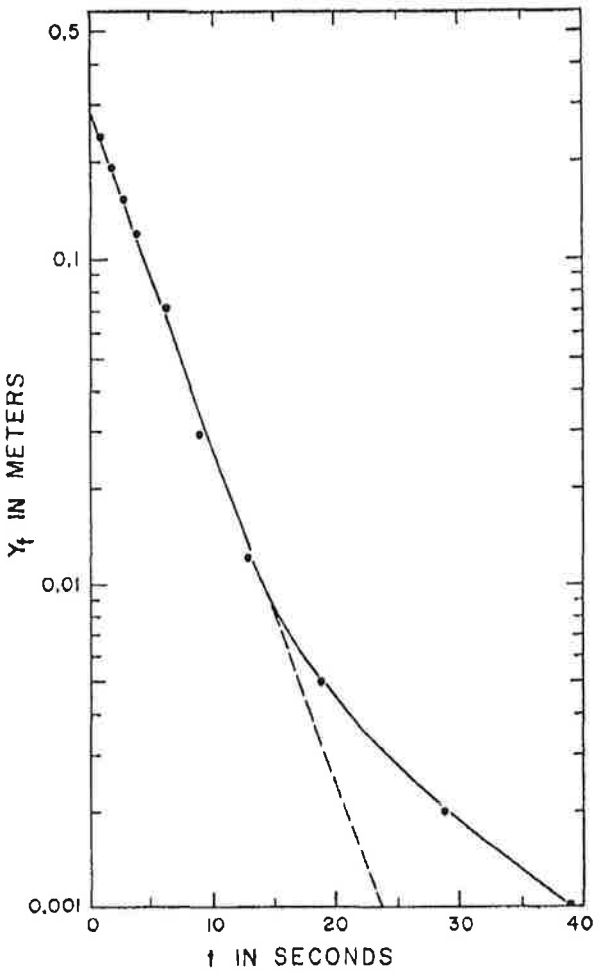


Fig. 3. Graph of log y_t versus t for slug test on well in Salt River Bed, 27th Avenue, Phoenix, Arizona.

Because y and t are the only variables in equation (3), a plot of ln y_t versus t must show a straight line. Thus, instead of calculating K on the basis of two measurements of y and t (y_0 at t = 0 and y_t at t), a number of y and t measurements can be taken and $[\ln(y_0/y_t)]/t$ determined as the slope of the best-fitting line through the y versus t points on semilogarithmic paper (Figure 3). The straight line through the data points can also be used to select two values of y, namely, y_0 and y_t, along with the time interval t between them for substitution into equation (3). Because drawdown of the ground-water table around the well becomes increasingly significant as the test progresses, the points as in Figure 3 begin to deviate from the straight line for large t and small y. Thus, only the straight line portion of the data points should be used to evaluate $[\ln(y_0/y_t)]/t$ for calculation of K with equation (3).

The slug test can be used on production wells, test wells, observation wells, and monitoring wells. Objectives for the measurements include characterization of aquifer hydraulic conductivity for modeling, ground-water recharge studies, and ground-water pollution studies. The method is particularly useful in ground-water contamination studies because the slug test can be carried out on the same wells used for ground-water quality monitoring. Also, combining the resulting values of hydraulic conductivity with the porosity of the aquifer and slopes of the ground-water table or piezometric surface permits the prediction of pore-water velocities and, hence, the rate of movement of pollution plumes and transport of contaminants. The slug test can also be useful in determining vertical distribution of hydraulic conductivities in an aquifer system and other spatial variability of hydraulic conductivity in studies of macrodispersion and movement of contaminants.

Over the years, a number of questions and comments about the slug test have been received. These questions and comments are addressed in the following sections.

DOUBLE STRAIGHT LINE EFFECT

Users of the slug test have observed that when plotting log y_t versus t as in Figure 3, they sometimes get a double straight line as shown schematically in Figure 4. The first part (AB) is straight and steep, whereas the next part (BC) is straight and less steep. Then, at point C, the points begin their expected deviation from the straight line as

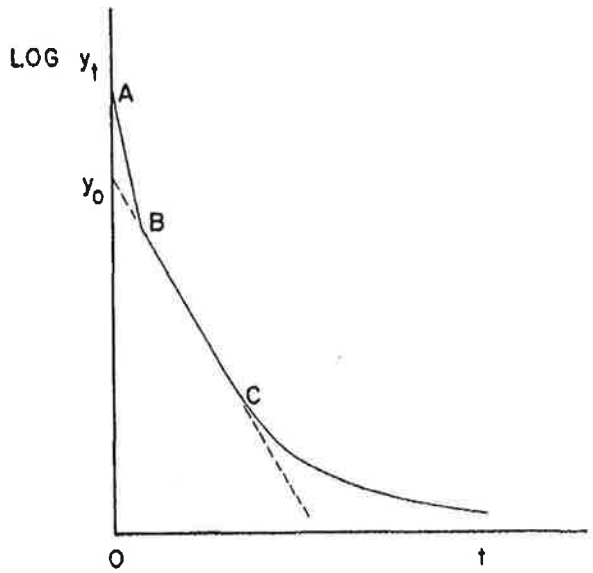


Fig. 4. Schematic of double straight line effect.

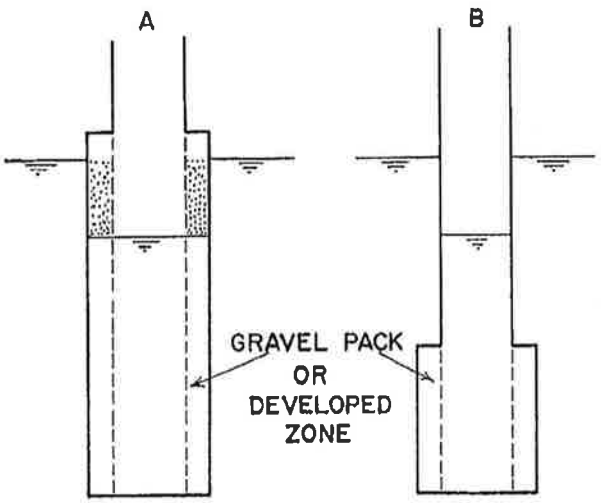


Fig. 5. Slug test for borehole with ground-water level below (A), and above (B) top of screen or perforated section.

the drawdown around the hole becomes significant relative to y_t. The first straight line portion in Figure 4 is probably due to a highly permeable zone around the well (gravel pack or developed zone), which quickly sends water into the well immediately after the water level in the well has been lowered (Figure 5A). Then, when the water level in the permeable zone around the well has drained to the water level in the well itself, the flow into the well slows down and the points begin to form a second, less steep, straight line (BC in Figure 4). This second straight line is more indicative of the flow from the undisturbed aquifer into the well. Hence, segment BC should be used in calculating K of the aquifer with equation (3). In the original 1976 article, gravel envelopes or developed zones were assumed to drain at the same rate as the water level in the borehole when it is lowered for the slug test, i.e., essentially instantaneously. However, some gravel packs or developed zones apparently are not permeable enough to give such instantaneous drainage.

If the ground-water table is above the screened or open section of the borehole, and the water level in the hole is not lowered so far that it drops below the top of the open section (Figure 5B), the gravel envelope or developed zone around the open section cannot drain. The inflow into the hole then is immediately controlled by the aquifer, and the double straight line effect should not occur. If it still occurs, it could indicate leakage around the casing or grouting above the gravel pack.

Where the double straight line is due to a gravel pack around the well, the effective well radius r_w should be taken as the radial distance from the center of the well to the outer surface of the gravel pack. Where the double straight line is due to a naturally developed zone around the well, r_w is harder to evaluate and an "intelligent" estimate must be made. It may also be possible to estimate r_w from the value of y at point B in Figure 4. Considering the volume of water in the well between y_A and y_B in Figure 4 to be due to the drainage of the gravel pack or developed zone, and knowing or estimating the drainable porosity of the gravel pack or developed zone, the radial extent of this zone can be calculated for evaluation of r_w. Capillary fringe effects do not have to be considered, since the capillary fringe was also present in the pack or in the developed zone before the water level was lowered. Because the rising water level in the hole during the slug test will also fill up the drained pore space of the gravel pack or developed zone, the value of r_c in the equation for calculation of K should be adjusted to take this effect into account, as discussed earlier in this article.

Conceivably, a well could have a gravel pack surrounded by a less permeable developed zone before the original aquifer material is reached. This could lead to a triple straight line effect, with an intermediate straight line portion at point B, or a curved transition zone at B if the hydraulic conductivity of the developed zone gradually decreases until K of the original aquifer material is reached. By the same token, portion AB in Figure 4 could also be curved if the hydraulic conductivity of the gravel pack or developed zone immediately around the well decreases with radial distance from the well.

FALLING WATER LEVEL TEST

The slug test was developed for a rising water level in the borehole, as obtained by quick removal of a certain volume or slug of water. This can be achieved by bailing, (quick) pumping, or by immersing a section of pipe filled with sand or other ballast and closed with caps on both ends, or other submersible object, in the borehole, letting the water level in the borehole return to equilibrium, and quickly removing the submerged object. The question is often raised: can the method also be used when a volume of water is quickly added to the hole and the subsequent rate of fall of the water level in the hole is measured for calculation of K? The answer is yes, provided that the equilibrium water level is above the screened or open section of the borehole (Figures 1 and 5B). In this

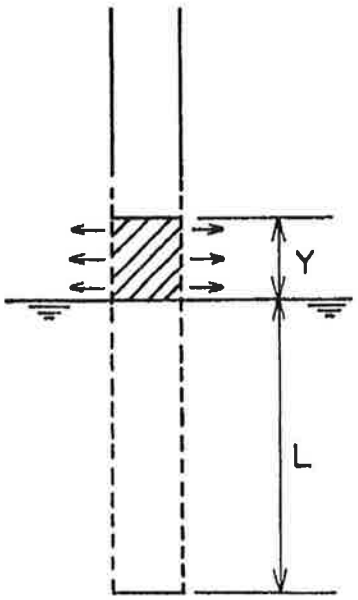


Fig. 6. Schematic of addition of water (hatched section) to borehole with equilibrium water level below top of screen or perforated section, with outflow of water into vadose zone (horizontal arrows).

case, the outflow from the well due to the falling water level occurs only through the screened or open section of the well, and the flow system in the aquifer is a true reverse of the flow system for the rising water level after a slug of water has been removed (ignoring, of course, eventual rises and drawdowns of the ground-water table immediately around the borehole if the aquifer is unconfined). Thus, equations (3), (4), and (5) are also applicable to the addition of a slug of water and measuring the subsequent rate of fall of the water level in the borehole for calculation of K of the aquifer around the hole.

If the equilibrium water level in the borehole is below the top of the screen or open section (Figure 6), and water is added (hatched section in Figure 6), the subsequent flow of water into the aquifer due to the falling water level not only takes place through the screen or perforations below the original water table, but also through the vadose zone above the original water table (arrows in Figure 6). This increases the rate of fall of the water level in the borehole beyond that caused by inflow into the aquifer and leads to an overestimation of K. The greater the ratio of y/L (Figure 6) in this case, the more the slug test will overestimate K if the measurement is based on adding water to the hole and measuring the subsequent rate of fall of the water level.

APPLICATION OF SLUG TEST TO CONFINED AQUIFERS

Theoretically, the slug test (Bouwer and Rice, 1976) applies to aquifers where the upper boundary is a plane source (rising water-level test) or sink (falling water-level test), as in an unconfined aquifer. However, because most of the head difference y between the static water table and the water level in the well is dissipated in the vicinity of the well around the screen or perforated section, the method should also be applicable to situations where the upper boundary of the aquifer is an impermeable or semipermeable plane, i.e., an impermeable or semipermeable upper confining layer. Thus the slug test should also give reasonable values for K in confined, semiconfined, or stratified aquifers. Theoretically, the larger the distance between the top of the screened or open section of the well and the upper confining layer (like $L_w - L_c$ in Figure 1), the more accurate the resulting values of K will be. In actuality, however, source boundaries of ground water flowing into the well in response to lowering the water level are hard to define because of elastic deformation of aquifer material and confining and interbedded fine-textured layers, and because of leakage through semiconfining layers.

EFFECT OF WELL DIAMETER

Theoretically, the Bouwer and Rice slug test applies to any diameter of the borehole. Practically, the hole dimensions should be selected so that the geometry parameters are covered by Figure 2. The larger r_w and L_e (Figure 1), the larger the portion of the aquifer on which K is determined. For layered aquifers, smaller values of L_e may sometimes be preferable because they give more resolution and more information about the vertical distribution of K when the slug test is carried out at different depths. Very small hole diameters (for example 2 in. or 5 cm) should still give accurate values for K, but the values apply to only a small region around the well and, hence, are more sensitive to spatial variability. Also, inaccuracies in the estimates of the thickness of gravel envelopes and developed zones have a greater effect on the calculated values of K where r_c is small than where r_c is large.

PROCESSING OF y VERSUS t MEASUREMENTS

To calculate $1/t \ln(y_0/y_t)$ for the appropriate straight line portion of curves as in Figure 3 or 4, two values of y on the straight line and their

corresponding values of t are read from the graph. The natural logarithm of the ratio y_0/y_t is then taken and divided by the difference between the two values of t. For example, Figure 3 shows that at y is 0.28 m and 0.001 m, t is 0 and 24 seconds, respectively. This yields
$1/t \ln(y_0/y_t) = 1/24 \ln(0.28/0.001) = 0.23$ m/sec.
If $1/t \ln(y_0/y_t)$ is calculated from the slope of the curve, the number of log cycles on the vertical scale between the two points is divided by the time increment and multiplied by 2.3 to convert to natural logarithm. For example, Figure 3 shows that the straight line from $y_0 = 0.28$ m to $y_t = 0.001$ m covers 2.4 log cycles. The time increment between the two points is again 24 seconds, yielding $1/t \ln(y_0/y_t) = 2.3 \times 2.4/24 = 0.23$ m/sec, which is the same as calculated earlier. Because of different coordinate scales in plots of log y versus t, the value of $1/t \ln(y_0/y_t)$ cannot be taken as the actual slope of the straight line portion!

ESTIMATING RATE OF RISE OR FALL OF WATER LEVEL IN WELL

If the water level in a slug-tested well rises or falls at a relatively slow rate, simple water-level measuring devices and a stop watch may be all that is needed to do the test. Fast-moving water levels, however, require the use of a pressure transducer and a fast-acting x-y plotter. To get some idea about the rate of water-level movement that can be expected in a slug-tested well and what equipment to use, equation (3) can be solved for t and $\ln(y_0/y_t)$ can be taken as ln 10 to calculate the time $t_{90\%}$ required for the water level in the well to rise or fall 90% of the initial lowering or raising, respectively, of the water level in the well. This yields the equation

$$t_{90\%} = 1.15 \frac{r_c^2}{KL_e} \ln \frac{R_e}{r_w} \qquad (6)$$

where K must be taken as the estimated or expected value of K of the aquifer. Equation (6) yields values of t that are 22 times greater than the t values calculated by the $t_{90\%}$ equation in the original article (Bouwer and Rice, 1976), where $\ln(y_0/y_t)$ was erroneously taken as ln 0.9, thus yielding the time required for only 10% of the water-level rise or fall to occur.

COMPUTER PROGRAMS

Where the Bouwer and Rice slug test is routinely used, time for calculating K with equation (3) is saved by developing a computer program in which values of L_e/r_w are stored for direct calculation of $\ln(R_e/r_w)$ and K from the field data. Such programs have been developed by several users (see, for example, Pandit and Miner, 1986; and Kemblowski and Klein, 1988). Also, a number of users have designed forms for easy and systematic recording of field data.

REFERENCES

Bouwer, H. and R. C. Rice. 1976. A slug test for determining hydraulic conductivity of unconfined aquifers with completely or partially penetrating wells. Water Resources Research, v. 12, pp. 423-428.

Kemblowski, M. W. and C. L. Klein. 1988. An automated numerical evaluation of slug test data. Ground Water, v. 26, pp. 435-438.

Pandit, N. S. and R. F. Miner. 1986. Interpretation of slug test data. Ground Water, v. 24, pp. 743-749.

* * * * *

Herman Bouwer received B.S. and M.S. degrees in 1949 and 1952 in Drainage, Reclamation, and Irrigation from the National Agricultural University at Wageningen, The Netherlands, and a Ph.D. degree in 1955 in Soil and Water Management from Cornell University, New York. He was associated with the Agricultural Engineering Department of Auburn University, Alabama, from 1955 to 1959, before joining the U.S. Water Conservation Laboratory in Phoenix, Arizona, where he became Director in 1972. In 1970, he also was appointed Adjunct Professor at Arizona State University in Tempe where he taught Ground-Water Hydrology in the Geology and Civil Engineering Departments. He is also an Adjunct Professor at the University of Arizona in Tucson.

APPENDIX J

MONITORING WELL PURGE LOGS

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 11176892.00002 Site: Old Agway Store Well I.D.: MW-1

Date: 6/6/2013 Sampling Personnel: J. King Company: URS Corporation

Purging/Sampling Device: Geopump Tubing Type: LDPE/Silicone Pump/Tubing Inlet Location: Midpoint of Screen

Measuring Point: Below Top of Riser Initial Depth to Water: 2.55 Depth to Well Bottom: 14.79 Well Diameter: 2" Screen Length: 10'

Casing Type: PVC Volume in 1 Well Casing (liters): 7.6 Estimated Purge Volume (liters): 8.0

Sample ID: MW-1 Sample Time: 0750 QA/QC: --

Sample Parameters: TCL VOCs, TCL SVOCs, TCL Pesticides, Organochlorine Pesticides, Herbicides, TCL PCBs, TAL Metals

PURGE PARAMETERS

TIME	pH	TEMP (^{0}C)	COND. (mS/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	Eh (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
0700	7.79	17.20	2.18	7.58	23.2	117	75	3.15
0705	7.41	16.65	2.19	7.16	20.1	127	150	3.40
0710	7.22	15.48	2.20	6.49	12.8	137	100	3.65
0715	7.10	14.73	2.20	5.91	12.2	144	150	3.90
0720	7.00	14.55	2.18	5.64	11.2	148	150	4.02
0725	7.02	14.40	2.15	5.12	8.9	152	150	4.20
0730	7.00	14.27	2.13	4.47	8.5	154	150	4.32
0735	6.99	14.16	2.11	4.00	7.9	155	150	4.41
0740	6.98	13.89	2.11	3.93	8.8	156	200	4.60
0745	6.97	13.60	2.09	3.52	7.6	158	200	4.85
Tolerance:	**0.1**	**---**	**3%**	**10%**	**10%**	**+ or - 10**	**---**	

Information: WATER VOLUMES--0.75 inch diameter well = 87 ml/ft; 1 inch diameter well = 154 ml/ft; 2 inch diameter well = 617 ml/ft; 4 inch diameter well = 2470 ml/ft ($vol_{cyl} = \pi r^2 h$)

Remarks:

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 11176892.00003 Site: Old Agway Store Well I.D.: MW-1

Date: 5/6/2014 Sampling Personnel: T. Urban Company: URS Corporation

Purging/Sampling Device: Geopump Tubing Type: LDPE/Silicone Pump/Tubing Inlet Location: Midpoint of Screen

Measuring Point: Top of Riser Initial Depth to Water: 2.52 Depth to Well Bottom: 14.62 Well Diameter: 2" Screen Length: 10'

Casing Type: PVC Volume in 1 Well Casing (liters): 7.5 Estimated Purge Volume (liters): 8.0

Sample ID: MW-01 Sample Time: 1420 QA/QC: --

Sample Parameters: TCL VOCs, TCL SVOCs, TCL Pesticides, Herbicides, TAL Metals

PURGE PARAMETERS

TIME	pH	TEMP (^{0}C)	COND. (mS/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	Eh (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
1330	6.94	15.18	2.15	8.06	12.2	81	180	2.52
1335	6.68	13.34	2.19	6.22	10.7	76	200	3.61
1340	6.60	12.22	2.25	5.23	12.2	69	145	3.95
1345	6.53	11.71	2.27	4.37	8.3	70	150	4.27
1350	6.52	11.65	2.28	4.18	7.0	70	150	4.33
1355	6.48	11.64	2.29	3.88	6.5	74	150	4.37
1400	6.47	11.64	2.29	3.64	5.9	76	150	4.44
1405	6.47	11.46	2.29	3.52	5.2	79	150	4.55
1410	6.46	11.17	2.29	3.51	3.3	78	150	4.61
1415	6.45	10.97	2.29	3.37	2.3	80	150	4.66
1420	6.44	10.94	2.29	3.33	2.0	81	150	4.71
Tolerance:	**0.1**	**---**	**3%**	**10%**	**10%**	**+ or - 10**	**---**	

Information: WATER VOLUMES--0.75 inch diameter well = 87 ml/ft; 1 inch diameter well = 154 ml/ft; 2 inch diameter well = 617 ml/ft; 4 inch diameter well = 2470 ml/ft ($vol_{cyl} = \pi r^2 h$)

Remarks:

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 11176892.00002 Site: Old Agway Store Well I.D.: MW-2

Date: 6/7/2013 Sampling Personnel: J. King Company: URS Corporation

Purging/Sampling Device: Geopump Tubing Type: LDPE/Silicone Pump/Tubing Inlet Location: Midpoint of Screen

Measuring Point: Below Top of Riser Initial Depth to Water: 5.91 Depth to Well Bottom: 14.88 Well Diameter: 2" Screen Length: 10'

Casing Type: PVC Volume in 1 Well Casing (liters): 5.5 Estimated Purge Volume (liters): 28

Sample ID: MW-2 Sample Time: 0840 QA/QC: --

Sample Parameters: TCL VOCs, TCL SVOCs, TCL Pesticides, Organochlorine Pesticides, Herbicides, TCL PCBs, TAL Metals

PURGE PARAMETERS

TIME	pH	TEMP (^{0}C)	COND. (mS/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	Eh (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
0805	7.91	13.69	0.482	4.07	236	-74	200	6.11
0810	7.40	13.04	0.476	2.50	133	-82	250	6.18
0815	7.31	12.82	0.473	1.86	68.4	-83	250	6.22
0820	7.26	12.75	0.480	1.33	46.3	-86	250	6.25
0825	7.23	12.66	0.492	0.92	41.6	-90	250	6.25
0830	7.22	12.54	0.500	0.66	37.5	-92	250	6.27
0835	7.22	12.48	0.507	0.60	37.4	-93	250	6.29
Tolerance:	**0.1**	**---**	**3%**	**10%**	**10%**	**+ or - 10**	**---**	

Information: WATER VOLUMES--0.75 inch diameter well = 87 ml/ft; 1 inch diameter well = 154 ml/ft; 2 inch diameter well = 617 ml/ft; 4 inch diameter well = 2470 ml/ft ($vol_{cyl} = \pi r^2 h$)

Remarks:

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 11176892.00003 Site: Old Agway Store Well I.D.: MW-2

Date: 5/7/2014 Sampling Personnel: T. Urban Company: URS Corporation

Purging/Sampling Device: Geopump Tubing Type: LDPE/Silicone Pump/Tubing Inlet Location: Midpoint of Screen

Measuring Point: Top of Riser Initial Depth to Water: 5.00 Depth to Well Bottom: 14.95 Well Diameter: 2" Screen Length: 10'

Casing Type: PVC Volume in 1 Well Casing (liters): 6.1 Estimated Purge Volume (liters): 10

Sample ID: MW-02 Sample Time: 1340 QA/QC: --

Sample Parameters: TCL VOCs, TCL SVOCs, TCL Pesticides, Herbicides, TAL Metals

PURGE PARAMETERS

TIME	pH	TEMP (^{0}C)	COND. (mS/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	Eh (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
1300	8.02	11.25	0.349	9.80	142	180	300	5.00
1305	6.86	10.96	0.319	6.13	128	142	250	5.45
1310	6.73	11.08	0.311	5.86	98.7	112	250	5.48
1315	6.63	12.05	0.301	4.31	64.3	93	250	5.51
1320	6.53	10.80	0.323	3.88	26.8	82	250	5.56
1325	6.55	10.61	0.333	3.68	15.1	72	250	5.61
1330	6.56	10.49	0.336	3.47	11.5	64	250	5.66
1335	6.57	10.43	0.335	3.27	9.5	59	250	5.72
1340	6.57	10.43	0.336	3.23	4.0	57	250	5.74
Tolerance:	**0.1**	**---**	**3%**	**10%**	**10%**	**+ or - 10**	**---**	

Information: WATER VOLUMES--0.75 inch diameter well = 87 ml/ft; 1 inch diameter well = 154 ml/ft; 2 inch diameter well = 617 ml/ft; 4 inch diameter well = 2470 ml/ft ($vol_{cyl} = \pi r^2 h$)

Remarks:

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 11176892.00002 Site: Old Agway Store Well I.D.: MW-3

Date: 6/7/2013 Sampling Personnel: J. King Company: URS Corporation

Purging/Sampling Device: Geopump Tubing Type: LDPE/Silicone Pump/Tubing Inlet Location: Midpoint of Screen

Measuring Point: Below Top of Riser Initial Depth to Water: 5.75 Depth to Well Bottom: 14.70 Well Diameter: 2" Screen Length: 10'

Casing Type: PVC Volume in 1 Well Casing (liters): 5.5 Estimated Purge Volume (liters): 6

Sample ID: MW-3 Sample Time: 1020 QA/QC: --

Sample Parameters: TCL VOCs, TCL SVOCs, TCL Pesticides, Organochlorine Pesticides, Herbicides, TCL PCBs, TAL Metals

PURGE PARAMETERS

TIME	pH	TEMP (^{0}C)	COND. (mS/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	Eh (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
0950	7.26	12.54	1.17	3.78	21.2	36	250	5.89
0955	7.15	11.57	1.19	0.78	6.7	13	250	5.78
1000	7.10	11.49	1.19	0.22	2.4	8	250	5.78
1005	7.07	11.45	1.18	0.00	1.1	8	250	5.78
1010	7.05	11.42	1.16	0.00	1.6	7	250	5.78
1015	7.03	11.43	1.16	0.00	0.0	8	250	5.78
Tolerance:	**0.1**	**---**	**3%**	**10%**	**10%**	**+ or - 10**	**---**	

Information: WATER VOLUMES--0.75 inch diameter well = 87 ml/ft; 1 inch diameter well = 154 ml/ft; 2 inch diameter well = 617 ml/ft; 4 inch diameter well = 2470 ml/ft ($vol_{cyl} = \pi r^2 h$)

Remarks:

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 11176892.00003 Site: Old Agway Store Well I.D.: MW-3

Date: 5/7/2014 Sampling Personnel: T. Urban Company: URS Corporation

Purging/Sampling Device: Geopump Tubing Type: LDPE/Silicone Pump/Tubing Inlet Location: Midpoint of Screen

Measuring Point: Top of Riser Initial Depth to Water: 5.35 Depth to Well Bottom: 14.75 Well Diameter: 2" Screen Length: 10'

Casing Type: PVC Volume in 1 Well Casing (liters): 5.8 Estimated Purge Volume (liters): 7

Sample ID: MW-03 Sample Time: 1440 QA/QC: --

Sample Parameters: TCL VOCs, TCL SVOCs, TCL Pesticides, Herbicides, TAL Metals

PURGE PARAMETERS

TIME	pH	TEMP (^{0}C)	COND. (mS/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	Eh (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
1415	6.42	12.45	1.48	8.91	147.0	9	280	5.35
1420	6.46	10.04	1.51	5.85	96.1	4	280	5.35
1425	6.40	9.23	1.46	4.71	40.5	9	300	5.35
1430	6.36	9.09	1.38	3.82	13.2	10	300	5.35
1435	6.36	9.32	1.35	3.54	4.0	9	300	5.35
1440	6.36	9.30	1.34	3.49	2.4	9	300	5.35
Tolerance:	**0.1**	**---**	**3%**	**10%**	**10%**	**+ or - 10**	**---**	

Information: WATER VOLUMES--0.75 inch diameter well = 87 ml/ft; 1 inch diameter well = 154 ml/ft; 2 inch diameter well = 617 ml/ft; 4 inch diameter well = 2470 ml/ft ($vol_{cyl} = \pi r^2 h$)

Remarks:

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 11176892.00002 Site: Old Agway Store Well I.D.: MW-4

Date: 6/6/2013 Sampling Personnel: J. King Company: URS Corporation

Purging/Sampling Device: Geopump Tubing Type: LDPE/Silicone Pump/Tubing Inlet Location: Midpoint of Screen

Measuring Point: Below Top of Riser Initial Depth to Water: 4.02 Depth to Well Bottom: 14.25 Well Diameter: 2" Screen Length: 10'

Casing Type: PVC Volume in 1 Well Casing (liters): 6.3 Estimated Purge Volume (liters): 7

Sample ID: MW-4 Sample Time: 1312 QA/QC: Dup, MS/MSD

Sample Parameters: TCL VOCs, TCL SVOCs, TCL Pesticides, Organochlorine Pesticides, Herbicides, TCL PCBs, TAL Metals

PURGE PARAMETERS

TIME	pH	TEMP (^{0}C)	COND. (mS/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	Eh (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
1237	7.77	18.73	1.64	2.05	43.0	121	250	4.16
1242	7.53	17.45	1.67	0.86	0.0	122	250	4.19
1247	7.40	17.17	1.68	0.48	0.0	122	250	4.19
1252	7.33	17.02	1.70	0.17	0.5	122	250	4.21
1257	7.29	16.97	1.70	0.02	5.6	121	250	4.22
1302	7.27	16.84	1.70	0.00	2.5	120	250	4.23
1307	7.25	16.79	1.71	0.00	0.3	119	250	4.23
Tolerance:	**0.1**	**---**	**3%**	**10%**	**10%**	**+ or - 10**	**---**	

Information: WATER VOLUMES--0.75 inch diameter well = 87 ml/ft; 1 inch diameter well = 154 ml/ft; 2 inch diameter well = 617 ml/ft; 4 inch diameter well = 2470 ml/ft ($vol_{cyl} = \pi r^2 h$)

Remarks: DUP06062013
MS06062013
MSD06062013

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 11176892.00003 Site: Old Agway Store Well I.D.: MW-4

Date: 5/7/2014 Sampling Personnel: T. Urban Company: URS Corporation

Purging/Sampling Device: Geopump Tubing Type: LDPE/Silicone Pump/Tubing Inlet Location: Midpoint of Screen

Measuring Point: Top of Riser Initial Depth to Water: 3.60 Depth to Well Bottom: 14.27 Well Diameter: 2" Screen Length: 10'

Casing Type: PVC Volume in 1 Well Casing (liters): 6.6 Estimated Purge Volume (liters): 8.5

Sample ID: MW-04 Sample Time: 1105 QA/QC: Dup (20140507-FD-2), MW-04 MS/MSD

Sample Parameters: TCL VOCs, TCL SVOCs, TCL Pesticides, Herbicides, TAL Metals

PURGE PARAMETERS

TIME	pH	TEMP (^{0}C)	COND. (mS/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	Eh (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
1030	7.85	12.44	2.13	10.44	5.0	143	250	3.60
1035	7.41	12.05	2.13	6.51	0.2	152	250	4.15
1040	7.07	10.59	2.22	5.05	0.6	151	250	4.17
1045	6.81	10.21	2.26	4.19	0.0	153	250	4.17
1050	6.70	10.18	2.32	3.79	0.0	155	250	4.17
1055	6.62	10.22	2.35	3.57	0.0	157	250	4.20
1100	6.61	10.15	2.36	3.49	0.1	156	250	4.20
1105	6.61	10.07	2.38	3.42	0.1	154	250	4.20
Tolerance:	**0.1**	**---**	**3%**	**10%**	**10%**	**+ or - 10**	**---**	

Information: WATER VOLUMES--0.75 inch diameter well = 87 ml/ft; 1 inch diameter well = 154 ml/ft; 2 inch diameter well = 617 ml/ft; 4 inch diameter well = 2470 ml/ft ($vol_{cyl} = \pi r^2 h$)

Remarks:

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 11176892.00002 Site: Old Agway Store Well I.D.: MW-5

Date: 6/6/2013 Sampling Personnel: J. King Company: URS Corporation

Purging/Sampling Device: Geopump Tubing Type: LDPE/Silicone Pump/Tubing Inlet Location: Midpoint of Screen

Measuring Point: Below Top of Riser Initial Depth to Water: 2.85 Depth to Well Bottom: 14.00 Well Diameter: 2" Screen Length: 10'

Casing Type: PVC Volume in 1 Well Casing (liters): 6.9 Estimated Purge Volume (liters): 8

Sample ID: MW-5 Sample Time: 0930 QA/QC: --

Sample Parameters: TCL VOCs, TCL SVOCs, TCL Pesticides, Organochlorine Pesticides, Herbicides, TCL PCBs, TAL Metals

PURGE PARAMETERS

TIME	pH	TEMP (^{0}C)	COND. (mS/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	Eh (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
0840	7.57	16.26	2.44	3.69	300	150	150	3.74
0845	7.61	15.78	2.46	2.80	281	148	150	3.91
0850	7.63	15.51	2.48	2.44	173	145	150	3.90
0855	7.65	15.43	2.49	2.19	141	140	150	3.90
0900	7.67	15.46	2.49	2.10	71.3	134	150	3.90
0905	7.68	15.57	2.49	2.01	51.4	128	160	3.93
0910	7.69	15.60	2.49	1.99	46.9	123	200	3.92
0915	7.70	15.76	2.48	1.87	44.1	114	160	3.91
0920	7.71	15.98	2.49	1.64	41.7	97	200	3.89
0925	7.72	16.28	2.49	1.56	38.0	88	160	3.95
Tolerance:	**0.1**	**---**	**3%**	**10%**	**10%**	**+ or - 10**	**---**	

Information: WATER VOLUMES--0.75 inch diameter well = 87 ml/ft; 1 inch diameter well = 154 ml/ft; 2 inch diameter well = 617 ml/ft; 4 inch diameter well = 2470 ml/ft ($vol_{cyl} = \pi r^2 h$)

Remarks:

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 11176892.00003 Site: Old Agway Store Well I.D.: MW-5

Date: 5/6/2014 Sampling Personnel: T. Urban Company: URS Corporation

Purging/Sampling Device: Geopump Tubing Type: LDPE/Silicone Pump/Tubing Inlet Location: Midpoint of Screen

Measuring Point: Top of Riser Initial Depth to Water: 2.80 Depth to Well Bottom: 13.80 Well Diameter: 2" Screen Length: 10'

Casing Type: PVC Volume in 1 Well Casing (liters): 6.8 Estimated Purge Volume (liters): 7.5

Sample ID: MW-05 Sample Time: 1615 QA/QC: --

Sample Parameters: TCL VOCs, TCL SVOCs, TCL Pesticides, Herbicides, TAL Metals

PURGE PARAMETERS

TIME	pH	TEMP (^{0}C)	COND. (mS/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	Eh (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
1525	6.77	16.61	2.43	8.65	160	141	160	2.80
1530	6.86	15.83	2.47	5.81	144	115	180	3.10
1535	6.95	14.24	2.52	4.52	141	89	175	3.16
1540	6.94	13.43	2.54	3.62	148	74	175	3.26
1545	6.96	12.66	2.60	3.39	140	69	140	3.46
1550	6.93	12.97	2.58	3.18	133	65	150	3.32
1555	6.97	12.64	2.57	3.12	102	66	150	3.40
1600	6.94	12.50	2.55	3.04	78	61	150	3.45
1605	6.94	12.48	2.53	2.92	63.9	49	150	3.50
1610	6.94	12.36	2.52	2.91	56.8	50	150	3.55
1615	6.94	12.25	2.52	2.88	45.2	49	150	3.61
Tolerance:	**0.1**	**---**	**3%**	**10%**	**10%**	**+ or - 10**	**---**	

Information: WATER VOLUMES--0.75 inch diameter well = 87 ml/ft; 1 inch diameter well = 154 ml/ft; 2 inch diameter well = 617 ml/ft; 4 inch diameter well = 2470 ml/ft ($vol_{cyl} = \pi r^2 h$)

Remarks:

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 11176892.00002 Site: Old Agway Store Well I.D.: MW-6

Date: 6/6/2013 Sampling Personnel: J. King Company: URS Corporation

Purging/Sampling Device: Geopump Tubing Type: LDPE/Silicone Pump/Tubing Inlet Location: Midpoint of Screen

Measuring Point: Below Top of Riser Initial Depth to Water: 5.27 Depth to Well Bottom: 13.92 Well Diameter: 2" Screen Length: 10'

Casing Type: PVC Volume in 1 Well Casing (liters): 5.3 Estimated Purge Volume (liters): 6

Sample ID: MW-6 Sample Time: 1050 QA/QC: --

Sample Parameters: TCL VOCs, TCL SVOCs, TCL Pesticides, Organochlorine Pesticides, Herbicides, TCL PCBs, TAL Metals

PURGE PARAMETERS

TIME	pH	TEMP (^{0}C)	COND. (mS/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	Eh (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
1010	8.18	16.85	1.61	7.25	32.8	111	200	5.54
1015	7.67	14.85	1.62	4.77	7.8	117	150	5.66
1020	7.60	14.12	1.63	4.83	6.4	119	150	5.78
1025	7.57	13.80	1.61	5.41	6.3	122	100	5.90
1030	7.55	13.59	1.47	5.45	6.6	123	100	6.02
1035	7.58	13.54	1.27	5.67	4.3	125	150	6.18
1040	7.63	13.53	1.05	5.73	2.9	122	150	6.33
1045	7.63	13.35	1.02	5.77	0.4	124	150	6.47
Tolerance:	**0.1**	**---**	**3%**	**10%**	**10%**	**+ or - 10**	**---**	

Information: WATER VOLUMES--0.75 inch diameter well = 87 ml/ft; 1 inch diameter well = 154 ml/ft; 2 inch diameter well = 617 ml/ft; 4 inch diameter well = 2470 ml/ft ($vol_{cyl} = \pi r^2 h$)

Remarks:

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 11176892.00003 Site: Old Agway Store Well I.D.: MW-6

Date: 5/6/2014 Sampling Personnel: T. Urban Company: URS Corporation

Purging/Sampling Device: Geopump Tubing Type: LDPE/Silicone Pump/Tubing Inlet Location: Midpoint of Screen

Measuring Point: Top of Riser Initial Depth to Water: 4.74 Depth to Well Bottom: 13.75 Well Diameter: 2" Screen Length: 10'

Casing Type: PVC Volume in 1 Well Casing (liters): 5.6 Estimated Purge Volume (liters): 6

Sample ID: MW-06 Sample Time: 1750 QA/QC: --

Sample Parameters: TCL VOCs, TCL SVOCs, TCL Pesticides, Herbicides, TAL Metals

PURGE PARAMETERS

TIME	pH	TEMP (^{0}C)	COND. (mS/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	Eh (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
1710	7.50	11.99	1.08	8.18	53.5	178	160	4.74
1715	7.07	10.82	1.03	6.14	40.8	181	150	4.78
1720	6.81	9.37	0.974	4.80	46.7	183	150	4.90
1725	6.72	8.84	0.925	4.65	74.2	184	150	4.97
1730	6.64	8.57	0.893	4.35	65.1	186	150	5.27
1735	6.62	8.46	0.862	4.19	68.4	188	140	5.51
1740	6.55	8.44	0.843	4.32	60.5	192	145	5.68
1745	6.53	8.40	0.848	4.24	45.2	194	150	5.82
1750	6.52	8.39	0.851	4.17	43.1	194	150	5.94
Tolerance:	**0.1**	**---**	**3%**	**10%**	**10%**	**+ or - 10**	**---**	

Information: WATER VOLUMES--0.75 inch diameter well = 87 ml/ft; 1 inch diameter well = 154 ml/ft; 2 inch diameter well = 617 ml/ft; 4 inch diameter well = 2470 ml/ft ($vol_{cyl} = \pi r^2 h$)

Remarks:

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 11176892.00003 Site: Old Agway Store Well I.D.: MW-7

Date: 5/7/2014 Sampling Personnel: T. Urban Company: URS Corporation

Purging/Sampling Device: Geopump Tubing Type: LDPE/Silicone Pump/Tubing Inlet Location: Midpoint of Screen

Measuring Point: Top of Riser Initial Depth to Water: 4.10 Depth to Well Bottom: 14.76 Well Diameter: 2" Screen Length: 10'

Casing Type: PVC Volume in 1 Well Casing (liters): 6.6 Estimated Purge Volume (liters): 7

Sample ID: MW-07 Sample Time: 0725 QA/QC: --

Sample Parameters: TCL VOCs, TCL SVOCs, TCL Pesticides, Herbicides, TAL Metals

PURGE PARAMETERS

TIME	pH	TEMP (^{0}C)	COND. (mS/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	Eh (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
0650	6.75	4.14	1.46	22.80	64.5	213	240	4.10
0655	6.65	5.07	1.49	10.50	31.1	210	210	4.51
0700	6.61	5.51	1.49	8.32	12.5	209	210	4.71
0705	6.58	5.81	1.48	7.18	10.5	209	210	4.55
0710	6.59	5.92	1.49	6.51	5.6	206	200	4.97
0715	6.58	6.04	1.49	6.10	5.2	206	200	5.05
0720	6.57	6.21	1.49	5.96	3.9	205	200	5.14
0725	6.57	6.24	1.50	5.86	3.9	204	200	5.20
Tolerance:	**0.1**	**---**	**3%**	**10%**	**10%**	**+ or - 10**	**---**	

Information: WATER VOLUMES--0.75 inch diameter well = 87 ml/ft; 1 inch diameter well = 154 ml/ft; 2 inch diameter well = 617 ml/ft; 4 inch diameter well = 2470 ml/ft ($vol_{cyl} = \pi r^2 h$)

Remarks:

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 11176892.00003 Site: Old Agway Store Well I.D.: MW-8

Date: 5/7/2014 Sampling Personnel: T. Urban Company: URS Corporation

Purging/Sampling Device: Geopump Tubing Type: LDPE/Silicone Pump/Tubing Inlet Location: Midpoint of Screen

Measuring Point: Top of Riser Initial Depth to Water: 6.06 Depth to Well Bottom: 14.70 Well Diameter: 2" Screen Length: 10'

Casing Type: PVC Volume in 1 Well Casing (liters): 5.3 Estimated Purge Volume (liters): 10

Sample ID: MW-08 Sample Time: 1633 QA/QC: --

Sample Parameters: TCL VOCs, TCL SVOCs, TCL Pesticides, Herbicides, TAL Metals

PURGE PARAMETERS

TIME	pH	TEMP (^{0}C)	COND. (mS/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	Eh (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
1603	6.72	11.47	1.11	8.63	10.4	-53	330	6.06
1608	6.35	8.86	1.14	5.72	0.0	-58	330	6.11
1613	6.30	8.38	1.15	4.26	0.0	-62	330	6.11
1618	6.27	8.21	1.15	3.86	0.9	-62	330	6.11
1623	6.26	8.11	1.15	3.54	0.0	-64	330	6.11
1628	6.25	8.06	1.15	3.36	0.0	-64	330	6.11
1633	6.24	7.98	1.15	3.32	0.0	-64	330	6.11
Tolerance:	**0.1**	**---**	**3%**	**10%**	**10%**	**+ or - 10**	**---**	

Information: WATER VOLUMES--0.75 inch diameter well = 87 ml/ft; 1 inch diameter well = 154 ml/ft; 2 inch diameter well = 617 ml/ft; 4 inch diameter well = 2470 ml/ft ($vol_{cyl} = \pi r^2 h$)

Remarks:

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 11176892.00003 Site: Old Agway Store Well I.D.: MW-9

Date: 5/7/2014 Sampling Personnel: T. Urban Company: URS Corporation

Purging/Sampling Device: Geopump Tubing Type: LDPE/Silicone Pump/Tubing Inlet Location: Midpoint of Screen

Measuring Point: Top of Riser Initial Depth to Water: 5.71 Depth to Well Bottom: 15.25 Well Diameter: 2" Screen Length: 10'

Casing Type: PVC Volume in 1 Well Casing (liters): 5.9 Estimated Purge Volume (liters): 9.5

Sample ID: MW-09 Sample Time: 1535 QA/QC: --

Sample Parameters: TCL VOCs, TCL SVOCs, TCL Pesticides, Herbicides, TAL Metals

PURGE PARAMETERS

TIME	pH	TEMP (^{0}C)	COND. (mS/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	Eh (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
1505	6.70	14.30	1.53	7.75	138	45	310	5.71
1510	6.57	12.67	1.55	4.52	126	45	310	5.71
1515	6.51	11.60	1.60	3.84	123	26	310	5.71
1520	6.57	8.99	1.73	3.70	12.0	22	315	5.71
1525	6.53	9.03	1.72	3.51	12.1	24	320	5.71
1530	6.44	8.89	1.73	3.30	11.3	24	320	5.71
1535	6.47	8.68	1.74	3.29	11.1	26	320	5.71
Tolerance:	**0.1**	**---**	**3%**	**10%**	**10%**	**+ or - 10**	**---**	

Information: WATER VOLUMES--0.75 inch diameter well = 87 ml/ft; 1 inch diameter well = 154 ml/ft; 2 inch diameter well = 617 ml/ft; 4 inch diameter well = 2470 ml/ft ($vol_{cyl} = \pi r^2 h$)

Remarks:

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 11176892.00003 Site: Old Agway Store Well I.D.: MW-10

Date: 5/7/2014 Sampling Personnel: T. Urban Company: URS Corporation

Purging/Sampling Device: Geopump Tubing Type: LDPE/Silicone Pump/Tubing Inlet Location: Midpoint of Screen

Measuring Point: Top of Riser Initial Depth to Water: 0.95 Depth to Well Bottom: 8.70 Well Diameter: 2" Screen Length: 5'

Casing Type: PVC Volume in 1 Well Casing (liters): 4.8 Estimated Purge Volume (liters): 6

Sample ID: MW-10 Sample Time: 0849 QA/QC: --

Sample Parameters: TCL VOCs, TCL SVOCs, TCL Pesticides, Herbicides, TAL Metals

PURGE PARAMETERS

TIME	pH	TEMP (^{0}C)	COND. (mS/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	Eh (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
0814	7.42	9.66	3.54	16.62	10.6	123	190	0.95
0819	7.53	9.10	3.59	12.47	8.6	107	185	2.05
0824	7.59	8.25	3.61	9.72	7.0	108	150	2.41
0829	7.60	7.94	3.57	8.99	6.7	111	150	2.75
0834	7.56	7.77	3.54	8.27	5.4	115	150	3.05
0839	7.59	7.79	3.51	7.72	3.6	112	150	3.28
0844	7.58	7.79	3.50	7.57	5.2	111	150	3.45
0849	7.56	7.79	3.48	7.42	5.3	113	150	3.65
Tolerance:	**0.1**	**---**	**3%**	**10%**	**10%**	**+ or - 10**	**---**	

Information: WATER VOLUMES--0.75 inch diameter well = 87 ml/ft; 1 inch diameter well = 154 ml/ft; 2 inch diameter well = 617 ml/ft; 4 inch diameter well = 2470 ml/ft ($vol_{cyl} = \pi r^2 h$)

Remarks:

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 11176892.00003 Site: Old Agway Store Well I.D.: Leachate

Date: 5/7/2014 Sampling Personnel: T. Urban Company: URS Corporation

Purging/Sampling Device: Not Applicable (NA) Tubing Type: None Pump/Tubing Inlet Location: Manhole on 69 Walnut St. property

Measuring Point: NA Initial Depth to Water: NA Depth to Well Bottom: NA Well Diameter: NA Screen Length: NA

Casing Type: PVC Volume in 1 Well Casing (liters): NA Estimated Purge Volume (liters): NA

Sample ID: Leachate Sample Time: 0940 QA/QC: Dup (20140507-FD-1)

Sample Parameters: TCL VOCs, TCL SVOCs, TCL Pesticides, Organophosphorous Pesticides, Herbicides, TAL Metals

PURGE PARAMETERS

TIME	pH	TEMP (^{0}C)	COND. (mS/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	Eh (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
0940	7.25	12.98	1.16	7.17	0.1	18	~ 1000	NA
Tolerance:	**0.1**	**---**	**3%**	**10%**	**10%**	**+ or - 10**	**---**	

Information: WATER VOLUMES--0.75 inch diameter well = 87 ml/ft; 1 inch diameter well = 154 ml/ft; 2 inch diameter well = 617 ml/ft; 4 inch diameter well = 2470 ml/ft ($vol_{cyl} = \pi r^2 h$)

Remarks:

APPENDIX K

INVESTIGATION DERIVED WASTE DISPOSAL DOCUMENTS

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number

2. Page 1 of 1

3. Emergency Response Phone 800-535-5053

4. Waste Tracking Number 13700

5. Generator's Name and Mailing Address
NYS DEC Div of Env Remediation
625 Broadway, 12th Floor
Albany, NY 12233-7016
Generator's Phone: 856-5636

Generator's Site Address (if different than mailing address)
NYS DEC
Galway Street/Walnut Street
Ballston Spa, NY 12020

6. Transporter 1 Company Name
Environmental Service Group, Inc 716.695.6720

U.S. EPA ID Number
NYD986903904

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
American Recyclers Inc.
177 Wales Ave
Tonawanda, NY 14150
Facility's Phone: 716.695.6720

U.S. EPA ID Number
NYR000030809

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non RCRA Non DOT Regulated Soil Cuttings,	0007 ~~0006~~	DM	EST 2400	P	
2.	Non RCRA Non DOT Regulated Decon Water,	0008	DM	0440	G	
3.						
4.						

13. Special Handling Instructions and Additional Information

Also Fits:	Approval #:	Handling Codes:
1 -	1 - L-8070L	1 - None
2 -	2 - H-8069IN	2 - None
3 -	3 -	3 -
4 -	4 -	4 -

24 Hour Emergency Contact: INFOTRAC (Caller Must ID ESG)
Consult ERG#: ,

14. 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.

Generator's/Offeror's Printed/Typed Name: Justin King as agent For NYSDEC
Signature:
Month 6 Day 13 Year 13

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Michael W Peterson
Signature:
Month 06 Day 13 Year 13

Transporter 2 Printed/Typed Name
Signature
Month Day Year

17. Discrepancy: physical quantity of 7 Soil Cuttings Drums ~~Jm~~

17a. Discrepancy Indication Space ☒ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Julian Mastrocoll
Signature:
Month 06 Day 18 Year 13

DESIGNATED FACILITY TO GENERATOR

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

Environmental Service Group, Inc (NY)
177 Wales Avenue
Tonawanda, NY 14150-0242
Phone: 716.695.6720
Fax: 716.695.0161

Job ID: 11587

Job Date: 06/05/2013
Salesman: Nick Halliday

Generator: NYS DEC
Address: Galway Street/Walnut Street
Ballston Spa, NY 12020
Phone: 856-5636
Fax:
Gen Contact: George Kisluk
Gen EPAID:
Billing Contact: Pier Maselli
Billing Phone: 716-284-2132
PO:

Job Notes And Notes To Driver:

Project:
Project Description:

Ordered Quantity:	Shipped Quantity:	Common Name Description:	Approval Number:	Facility:	Manifest Document Number
6		Soil Borings	L-8070L	ARC	13700
		Non Hazardous Transportation And Disposal: Soil Borings			
8		Non Hazardous Deconn Water	H-8069IN	ARC	13700
		Non Hazardous Transportation And Disposal: Non Hazardous Deconn Water			
1		Box Van			

Driver Notes:

Materials Used:

Site Time: ☒ 1/2 hour ☒ 1 hour ☒ 2 hour ☒ Other _____

GENERATOR SIGNATURE: as agent for NYSDEC Date: 6/13/13

DRIVER SIGNATURE: Date: 6/13/13

Please print or type
(Form designed for use on elite (12-pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number

2. Page 1 of 1

3. Emergency Response Phone: 800-535-5053

4. Waste Tracking Number: 16043

5. Generator's Name and Mailing Address
NYS DEC Div of Env Remediation
625 Broadway, 12th Floor
Albany, NY 12233-7016
Generator's Phone: 856-5636

Generator's Site Address (if different than mailing address)
NYS DEC
Galway Street/Walnut Street
Ballston Spa, NY 12020

6. Transporter 1 Company Name: Environmental Service Group, Inc — 716.695.6720
U.S. EPA ID Number: NYD986903904

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
American Recyclers Inc.
177 Wales Ave
Tonawanda, NY 14150
Facility's Phone: 716.695.6720
U.S. EPA ID Number: NYR000030809

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1	Non RCRA Non DOT Regulated , (PPE/Plastic)	0001	DM	00100	P
2	Non RCRA Non DOT Regulated , (Soil Cuttings)	0002	DM	0600	P
3	Non RCRA Non DOT Regulated, (Decon Water)	0006	DM	0330	G
4					

13. Special Handling Instructions and Additional Information

ERG:
1 -
2 -
3 -
4 -

Approval #:
1 - A-9037L
2 - L-8070L
3 - H-8069IN
4 -

Handling Codes:
1 - None
2 - None
3 - None
4 -

24 Hour Emergency Contact:
INFOTRAC (Caller Must ID
ESG)

14. 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.

Generator's/Offeror's Printed/Typed Name: Rachel Cicigline (an agent of NYSDEC) Signature: R. Cig (an agent of NYSDEC) Month: 05 Day: 15 Year: 14

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Michael W Peterson Signature: [signature] Month: 05 Day: 15 Year: 14

Transporter 2 Printed/Typed Name: Signature: Month: Day: Year:

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number: U.S. EPA ID Number

17b. Alternate Facility (or Generator)

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Julian Mastrapoll Signature: [signature] Month: 05 Day: 16 Year: 14

DESIGNATED FACILITY TO GENERATOR

GC Labels • Printed in the USA
1-800-997-6966

Reorder Part# MANIFEST-C6NHWC
913-897-6966

Environmental Service Group, Inc (NY)
177 Wales Avenue
Tonawanda, NY 14150-0242
Phone: 716.695.6720
Fax: 716.695.0161

Job ID: 13758

Job Date: 05/13/2014
Salesman: Nick Halliday

Generator: NYS DEC
Address: Galway Street/Walnut Street
Ballston Spa, NY 12020
Phone: 856-5636
Fax:
Gen Contact: George Kisluk
Gen EPAID:
Billing Contact: Pier Maselli
Billing Phone: 716-284-2132 x238
PO:

Job Notes And Notes To Driver:

Project:
Project Description:

Ordered Quantity:	Shipped Quantity:	Common Name Description:	Approval Number:	Facility:	Manifest Document Number
302		Soil Borings	L-8070L	ARC	16043
		Non Hazardous Transportation And Disposal: Soil Borings			
606		Non Hazardous Deconn Water	H-8069IN	ARC	16043
		Non Hazardous Transportation And Disposal: Non Hazardous Deconn Water			
101		Soil Boring Debris	A-9037L	ARC	16043
		Non Hazardous Transportation And Disposal: Soil Boring Debris			
1		Box Van			

Driver Notes:

Materials Used:

Site Time: ☒ 1/2 hour ☒ 1 hour ☒ 2 hour ☒ Other _____

GENERATOR SIGNATURE: R.C. (anagent of NYSDEC) Date: 5/15/14

DRIVER SIGNATURE: [signature] Date: 5/15/14

APPENDIX L

SURVEY POINT FILES

Summary

Point	Northing	Easting	Elev	Desc
1	1519150.6294	665382.3484	290.1968	MN
2	1519086.0938	665024.9544	284.6070	MN
3	1519097.4290	665063.2353	284.1701	EP
4	1519101.6058	665113.3209	284.2308	EP
5	1519105.3664	665160.9545	284.8408	EP
6	1519109.4535	665208.7963	286.2386	EP
7	1519114.1145	665257.6202	287.5848	EP
8	1519118.9140	665306.5475	288.9300	EP
9	1519122.9445	665355.0645	289.8140	EP
10	1519127.6356	665402.4128	291.0683	EP
11	1519121.6461	665404.1463	292.5946	EP
12	1519132.9115	665450.3356	292.7957	SEL
13	1519132.7225	665464.0670	293.2181	SEL
14	1519157.6370	665447.2832	291.2099	MNF
16	1519168.2466	665448.7417	290.2553	EP
17	1519163.1624	665447.2372	290.6211	EP
18	1519157.9380	665447.2856	291.1278	EP
19	1519153.6881	665435.5954	291.3895	EP
20	1519149.4283	665395.4109	290.6636	EP
21	1519144.7227	665348.1896	289.9669	EP
22	1519140.6327	665300.2893	289.1910	EP
23	1519136.2404	665254.4635	288.0128	EP
24	1519131.8834	665205.6956	286.6223	EP
25	1519127.6058	665172.0619	285.3408	EP
26	1519126.0031	665165.6152	285.1192	EP
27	1519121.4962	665119.4883	283.8842	EP
28	1519117.0137	665069.4883	283.1929	EP
29	1519116.3463	665051.9563	282.9172	EP
30	1519150.6716	665233.1041	287.1889	ADR
31	1519154.3949	665280.8053	288.1983	ADR
32	1519159.2432	665324.1238	289.2296	ADR
33	1519160.0207	665340.7550	289.4319	ADR
34	1519157.0431	665351.1610	289.4531	ADR
35	1519160.5040	665367.8123	289.4652	ADR
36	1519165.0064	665384.4555	289.7577	ADR
37	1519160.0193	665427.0629	290.4515	ADR
38	1519163.4613	665446.2310	290.5354	ADR
39	1519203.3604	665333.9518	288.8425	IR
40	1519207.7407	665336.4112	288.9265	IR
41	1519265.3778	665255.4507	288.4720	SS-3
42	1519244.4155	665240.5101	288.0129	MW-3 CASING
43	1519178.3673	665280.5102	287.9673	MW-2 CASING
44				
45	1519120.3572	665052.1893	282.7713	BCU
46	1519125.4237	665051.2479	282.4899	BCU
47	1519154.5332	665048.7809	280.6438	BCU
48	1519181.2035	665046.5164	279.4910	BCU
49	1519180.1167	665047.0165	279.8696	DCP
50	1519156.5179	665049.0562	280.8937	DCP
51	1519124.3053	665051.7547	282.8316	DCP
52	1519120.2421	665052.9021	282.9577	DCP

53	1519126.4542	665056.4531	282.0301	SWC
54	1519163.8352	665051.9902	280.3754	SWC
55	1519202.0429	665047.7321	278.8860	SWC
56	1519234.8309	665044.2524	277.7776	SWC
57	1519234.6405	665042.2800	277.6943	SWC
58	1519238.9235	665041.9112	277.5974	SWC
59	1519239.3021	665043.7489	277.5464	SWC
60	1519259.2999	665041.7172	276.7386	SWC
61	1519259.7690	665046.5246	276.6980	SWC
62	1519239.8587	665048.6030	277.5646	SWC
63	1519240.2696	665053.3485	277.6259	SWC
64	1519235.7888	665053.6060	277.6459	SWC
65	1519235.4079	665049.1486	277.7884	SWC
66	1519216.5088	665051.1811	278.3637	SWC
67	1519217.1816	665059.6636	278.3152	SWC
68	1519214.8046	665051.3107	278.3936	SWC
69	1519174.0011	665055.3455	279.9513	SWC
70	1519147.0274	665058.3846	281.1667	SWC
71	1519150.0975	665083.4514	281.2625	SWC
72	1519152.0806	665082.8976	281.5471	SWC
73	1519152.2579	665085.7838	281.4834	SWC
74	1519150.4237	665085.9172	281.3039	SWC
75	1519152.4943	665101.0106	281.4054	SWC
76	1519162.1803	665110.7676	281.2630	SWC
77	1519161.5773	665112.6857	281.2839	SWC
78	1519150.5504	665100.8086	281.3714	SWC
79	1519145.0832	665058.6007	281.2629	SWC
80	1519127.0135	665060.2155	281.9293	SWC
81	1519134.0919	665144.5047	282.2821	SEL
82	1519183.1504	665139.7311	280.6451	SEL
83	1519154.6195	665100.0822	281.4379	H
84	1519151.7141	665077.6054	281.7128	H
85	1519162.8220	665068.6965	281.6276	H
86	1519128.7631	665103.1471	281.8201	FC
87	1519128.0671	665079.6201	281.5684	SEL
88	1519183.9755	665056.1978	279.6091	UP
89	1519185.9947	665048.9233	279.2771	EP
90	1519195.0531	665048.0279	279.0967	EP
91	1519195.5632	665045.5659	278.9806	EP
92	1519234.1675	665041.8524	277.5773	EP
93	1519247.1256	665040.0868	277.1000	EP
94	1519259.0043	665039.9573	276.6542	EP
95	1519256.9607	665005.5002	276.5075	MN
96	1519090.0272	665021.3860	284.0084	EP
97	1519120.9908	665018.4594	281.9035	EP
98	1519172.1738	665013.6741	279.5093	EP
99	1519209.3130	665009.7165	278.1446	EP
100	1519229.5297	665007.1099	277.5430	EP
101	1519280.6387	665001.8939	275.5733	EP
102	1519332.2069	664996.7427	273.7536	EP
103	1519381.7111	664990.9927	269.2011	EP
104	1519381.2150	664989.1065	269.5093	MW-5 CAP

105	1519381.1937	664989.1565	269.1287	MW-5 CASING
106	1519362.7086	665035.4368	272.3498	BCU
107	1519348.7575	665031.3720	273.1494	BCU
108	1519341.1131	665030.8536	273.5324	BCU
109	1519328.1139	665031.6953	274.2060	BCU
110	1519317.6050	665032.8575	274.7502	BCU
111	1519317.9294	665033.2176	274.9530	DCP
112	1519327.8958	665032.0501	274.5766	DCP
113	1519340.9982	665031.1794	273.7090	DCP
114	1519350.6072	665032.2553	273.4728	DCP
115	1519362.5180	665035.8887	272.8905	DCP
116	1519355.2318	665043.2893	273.9065	SMIR
117	1519351.8959	665043.6294	274.2807	IR
118	1519346.6147	665039.4359	273.8447	SWC
119	1519339.6896	665038.6971	274.0908	SWC
120	1519313.8666	665041.1758	275.1344	SWC
121	1519314.0675	665045.9371	275.2495	SWC
122	1519309.1910	665044.7706	275.2736	SWC
123	1519308.9646	665041.5338	275.2588	SWC
124	1519286.8645	665043.6399	275.9235	SWC
125	1519286.6799	665039.1391	275.8904	SWC
126	1519339.3627	665033.8406	274.1361	SWC
127	1519347.9604	665035.1831	273.6248	SWC
128	1519314.1866	665034.5341	274.7594	MW-4 CASING
129	1519314.1195	665034.4676	275.1515	MW-4 CAP
130	1519286.2799	665004.5359	275.2137	CB
131	1519283.6620	665004.8937	275.3183	CB
132	1519283.3134	665002.3364	275.2940	CB
133	1519285.7900	665002.0396	275.2004	CB
134	1519289.3608	665038.0355	275.8656	UP
135	1519265.1218	665039.0756	276.4798	CB
136	1519263.0433	665039.2820	276.4969	CB
137	1519262.8764	665037.1165	276.4965	CB
138	1519264.9849	665037.0188	276.4959	CB
139	1519286.5653	665036.2193	275.8352	EP
140	1519282.1250	665044.9291	276.2851	EP
141	1519279.9079	665050.1754	276.3628	EP
142	1519284.2668	665101.1660	276.9964	EP
143	1519287.6619	665108.3655	276.8826	EP
144	1519303.8405	665107.8530	276.4988	EP
145	1519300.8959	665127.3056	276.9868	EP
146	1519287.6577	665127.2585	277.4277	EP
147	1519286.4581	665128.9280	277.3821	EP
148	1519286.4945	665148.8210	277.6458	EP
149	1519277.2831	665148.9474	277.7034	EP
150	1519271.8852	665111.3777	277.0825	EP
151	1519264.5844	665112.1269	277.4924	EP
152	1519263.3781	665097.5248	277.4968	EP
153	1519269.9674	665097.2418	277.0513	EP
154	1519271.4067	665094.0810	276.8770	EP
155	1519265.6804	665046.2650	276.3778	EP
156	1519261.2805	665046.0657	276.5749	EP

157	1519471.9601	665083.8614	268.9873	MN
158	1519284.1911	665162.8987	277.9887	MN
159	1519301.5458	665186.9927	280.4294	IR
160	1519282.1855	665210.6539	286.6863	SEL
161	1519280.7784	665196.3222	284.4233	SEL
162	1519280.7159	665184.2327	284.0404	SEL
163	1519280.7893	665179.2667	280.7340	SEL
164	1519280.5945	665173.3874	278.8125	SEL
165	1519275.1899	665174.0507	279.5095	MH
166	1519266.0123	665067.9502	276.8715	SCB
169	1519104.4898	665036.0071	284.0453	CL-INT
170	1519106.1748	665052.8302	283.6536	CP
171	1519105.0697	665067.4806	283.7969	SAN-MH
172	1519109.0598	665088.7339	283.9997	CP
173	1519113.7348	665139.3825	284.6564	CP
174	1519119.2092	665190.4622	285.8140	CP
175	1519124.2257	665240.6015	287.3630	CP
176	1519129.2699	665291.7507	288.7472	CP
177	1519133.1650	665343.4644	289.6668	CP
178	1519138.8872	665395.8080	290.8386	CP
179	1519143.1695	665446.4924	292.0657	CP
180	1519145.2890	665462.1313	292.0693	CP
181	1519146.0657	665473.8097	292.1036	CL-INT
182	1519189.4398	665487.0620	289.3809	IR
183	1519159.3839	665435.9636	290.7935	MW-1 CAP
184	1519177.3369	665317.8080	288.6287	SB-1
185	1519208.7280	665322.2738	288.5140	SS-5
186	1519178.2587	665280.5926	288.2084	MW-2 CAP
188	1519175.4076	665251.1112	288.0496	SB-6
189	1519172.3219	665213.7212	287.8361	SB-7
190	1519206.9469	665208.5314	288.1763	SB-4
191	1519241.1016	665206.7672	287.9695	SB-5
192	1519244.2535	665240.6212	288.4476	MW-3 CAP
193	1519209.5146	665243.0651	288.0997	SB-3
195	1519210.1132	665279.8127	288.1296	SB-2
197	1519151.1245	665032.5863	281.5154	CP
198	1519210.4548	665026.2512	278.7691	CP
199	1519262.1239	665020.8192	277.0211	CP
200	1519326.3295	665013.9765	274.5871	CP
201	1519385.8529	665008.1739	269.4804	CP
202	1519416.1313	665005.3217	265.7171	CP
203	1519113.3868	665284.4162	288.1830	SS-2
204	1519186.1518	665491.5107	289.6700	SS-1
205	1519197.4451	665468.0581	288.1971	CP
301	1519108.9300	665183.6387	285.4908	MN
302	1519152.4545	665193.7791	286.8397	CRW
303	1519152.4860	665196.2060	287.3163	CRW
304	1519155.2543	665195.9321	287.5972	CRW
305	1519155.1411	665195.3408	287.6935	CRW
306	1519174.5194	665193.6610	286.9802	CRW
307	1519204.7344	665190.9658	287.0144	CRW
308	1519237.6191	665188.1414	287.6369	CRW

309	1519262.8141	665186.0334	287.2350	CRW
310	1519257.6638	665201.2234	288.5364	CRW
311	1519258.5889	665201.6378	288.8570	CRW
312	1519256.9177	665206.1335	288.6253	CRW
313	1519259.0689	665205.7456	288.8909	CRW
314	1519266.7280	665183.4709	288.4576	CRW
315	1519279.7189	665228.6270	288.0901	SEL
316	1519280.8924	665228.2715	287.6414	IR
317	1519095.1356	665067.9282	284.3098	UP
318	1519106.8663	665193.5569	285.8433	UP
319	1519116.6510	665296.6886	288.5198	UP
320	1519125.3236	665403.2486	291.5467	UP
321	1519205.5982	665445.9376	287.2799	TOB
322	1519188.6972	665436.1015	289.7319	TOB
323	1519187.6678	665415.2176	290.0830	TOB
324	1519192.4696	665401.3011	289.9520	TOB
325	1519226.3686	665375.4087	283.9221	TOB+BOB
326	1519206.9642	665397.6364	285.0447	BOB
327	1519200.4940	665414.2300	285.2116	BOB
328	1519202.8618	665437.4446	285.1408	BOB
329	1519219.0533	665442.0099	285.0887	BOB
330	1519216.8580	665414.3433	284.7634	SEL
331	1519229.4216	665388.7880	283.5968	SEL
332	1519249.0827	665380.6295	282.2085	EP
333	1519231.5332	665382.8317	283.4034	EP
334	1519243.5009	665361.6730	282.9916	EP
335	1519255.4364	665363.1670	282.1062	EP
336	1519243.7284	665363.2592	282.8474	MNF
337	1519241.2386	665360.1249	283.4371	IR
338	1519240.8087	665361.2871	283.2071	BOB
339	1519228.6609	665360.2956	284.2536	BOB
340	1519209.3891	665372.6730	286.2754	BOB
341	1519194.2845	665384.5616	288.7228	BOB+TOB
342	1519201.3086	665374.3584	289.1348	TOB
343	1519222.2701	665359.9084	288.6302	TOB
344	1519234.3673	665355.6722	288.7038	TOB
345	1519235.9440	665352.0733	288.7999	TOB
346	1519246.0987	665335.7971	288.7531	TOB
347	1519229.3586	665191.1457	287.6535	SN
348	1519348.0387	665186.4632	289.1606	SN
349	1519135.1480	665161.9526	285.2176	FC
350	1519145.7676	665160.5030	284.7277	S
351	1519147.2752	665172.7625	285.2105	S
352	1519159.5110	665171.1416	285.0245	S+SLB
353	1519160.6060	665183.3780	285.0102	SLB
354	1519137.3618	665185.6024	285.7687	SLB
355	1519132.6425	665162.7454	285.4015	SLB
356	1519152.2566	665186.4071	285.9861	CLFC
357	1519178.7187	665170.7242	281.5764	SEL
358	1519179.7222	665107.1472	280.3081	PCH
359	1519164.0312	665109.1710	281.4453	PCH
360	1519163.4750	665334.7328	289.4398	FLAG

361	1519195.3308	665332.0769	288.6280	FLAG
362	1519194.2037	665297.0424	288.3186	FLAG
363	1519228.9428	665293.6957	288.2363	FLAG
364	1519263.7156	665290.5922	288.9597	FLAG
365	1519262.6920	665256.2953	288.1818	FLAG
366	1519227.1511	665258.9166	288.4280	FLAG
367	1519192.5170	665262.4849	288.3260	FLAG
368	1519158.3666	665265.1573	288.0613	FLAG
369	1519153.7000	665233.9705	287.1386	FLAG
370	1519191.3312	665227.1685	288.4537	FLAG
371	1519226.3626	665223.9656	288.4225	FLAG
372	1519245.0050	665335.8282	288.9293	TOB
373	1519261.6843	665308.2070	288.8273	TOB
374	1519286.2192	665284.6234	288.2498	TOB
375	1519306.8169	665254.2793	288.5659	TOB
376	1519311.1130	665261.5306	282.9731	BOB
377	1519286.6302	665296.7382	285.8511	MN
378	1519241.7960	665295.4718	289.4695	SEL
379	1519248.3105	665274.1310	288.2495	SEL
380	1519259.0568	665269.6836	289.5456	SEL
381	1519285.4822	665235.1831	289.5731	SEL
382	1519279.8374	665206.1196	287.9755	TOW
383	1519280.0187	665179.6647	288.6909	TOW
384	1519263.2930	665181.2209	288.6453	TOW
385	1519263.4846	665183.2129	288.5863	TOW
386	1519264.4872	665184.7092	291.1043	TOW
387	1519168.4452	665187.1410	283.1215	HA-1
388	1519182.8986	665186.6459	282.5662	HA-2
389	1519169.3936	665191.6619	283.1008	SEL
390	1519199.0239	665188.3834	282.7281	SEL
391	1519209.1488	665185.1105	281.7346	HA-3
392	1519207.1868	665181.6822	281.6165	EOCLF
393	1519199.3285	665181.8493	281.8519	WPF
394	1519199.4618	665166.1414	281.2125	UP
395	1519196.2299	665141.8923	280.0588	WPFC
396	1519197.3907	665139.6413	279.9945	S
397	1519213.5875	665138.3583	279.6881	S
398	1519212.5335	665124.8047	279.2200	S+WPF
399	1519220.3836	665124.0171	279.1678	WPFC
400	1519223.5285	665129.3314	279.0956	H
401	1519225.2758	665144.7989	279.5096	H
402	1519238.5796	665144.7375	280.7809	H
403	1519249.0395	665147.8662	279.1250	H
404	1519257.4393	665146.8356	278.8802	H
405	1519265.4483	665141.8100	278.7971	H
406	1519233.2353	665185.2989	281.0600	HA-4
407	1519257.3421	665182.8733	280.7900	HA-5
408	1519225.7151	665186.6996	281.3558	S
409	1519225.3553	665179.1424	280.9577	S
410	1519218.2818	665179.4930	281.0508	S
411	1519307.6971	665062.5763	276.3025	H
412	1519308.7157	665077.6168	276.5285	H

413	1519309.3907	665091.2724	276.4534	DCK
414	1519297.4188	665092.0794	276.9920	DCK
415	1519297.9496	665100.1494	276.9678	DCK
416	1519304.0423	665115.8798	276.8795	H
417	1519288.1023	665128.0011	277.4629	PFC
418	1519300.4223	665140.0452	277.5755	SLB
419	1519288.5042	665139.8104	277.6686	SLB
420	1519288.4481	665145.1552	277.7326	SLB
421	1519300.2250	665145.4142	277.6320	SLB
422	1519303.4590	665160.1962	277.2924	H
423	1519324.2089	665160.3244	276.7472	H
424	1519328.1898	665163.4199	277.0181	BOB
425	1519309.6384	665164.4138	277.2767	S
426	1519304.0068	665172.9419	277.9683	S
427	1519312.6343	665178.5542	278.8118	S
428	1519289.5008	665162.4297	278.0019	EOPF
429	1519291.6117	665173.2964	279.7452	UP
430	1519263.1517	665180.8876	280.4620	SEL
431	1519287.6478	665168.4505	277.8877	DRV
432	1519240.8867	665172.8507	280.3184	DRV
433	1519235.7021	665161.6265	279.8954	DRV
434	1519234.5850	665152.9326	279.6794	DRV
435	1519275.1477	665147.4785	277.7701	DRV
436	1519270.7122	665140.8178	281.6006	PCH
437	1519268.5265	665122.6124	281.3537	PCH
438	1519268.4640	665122.3147	277.2453	SEL
439	1519263.2052	665123.1270	277.4801	H
440	1519258.5877	665114.0172	278.1000	H
441	1519261.8269	665097.4939	277.6864	H
442	1519260.7662	665065.2343	277.0553	H
443	1519260.2607	665061.1986	277.2034	H
444	1519179.1371	665066.5532	280.7788	H
445	1519182.4424	665092.6453	280.1700	H
446	1519191.4692	665090.8751	279.4760	PFC
447	1519203.7221	665087.3307	278.9892	SEL
448	1519221.0568	665061.1806	278.5183	H
449	1519256.5477	665056.7413	277.6145	H
450	1519313.7953	665048.0817	275.2038	H
451	1519330.3885	665047.0490	275.0005	H
452	1519304.0802	665049.3721	275.7761	PCH
453	1519317.0404	665099.2072	276.2222	H
454	1519324.6764	665115.9930	276.6197	H
455	1519377.7308	665040.8147	271.3675	BCU
456	1519410.7854	665053.3581	268.7953	BCU
457	1519414.6779	665055.1178	268.6728	BCU
458	1519414.6832	665056.3436	268.6599	BCU
459	1519419.5262	665056.8718	268.3200	BCU
460	1519423.2416	665058.5085	268.0593	BCU
461	1519424.7882	665060.6004	267.9006	BCU
462	1519429.9647	665109.5642	269.7604	BCU
463	1519432.7672	665135.4767	270.4797	BCU
464	1519432.1314	665135.4922	271.0059	DCP

465	1519431.9137	665133.6377	271.3683	DCP
466	1519429.3177	665108.5623	271.0157	DCP
467	1519424.4308	665061.1177	269.3403	DCP
468	1519423.3260	665059.5116	269.3773	DCP
469	1519419.9973	665058.0105	270.5517	DCP
470	1519419.7657	665061.1885	270.5212	DCP
471	1519413.6769	665060.4411	270.6066	DCP
472	1519414.0967	665055.6905	270.6282	DCP
473	1519410.3083	665053.9392	270.6495	DCP
474	1519377.8642	665041.3879	272.0925	DCP
475	1519410.3585	665051.6617	268.5104	CB
476	1519409.8882	665052.8484	268.4654	CB
477	1519408.0848	665052.2104	268.4348	CB
478	1519408.5222	665050.8454	268.4591	CB
479	1519412.6967	665058.5813	270.6492	SWC
480	1519375.0808	665044.7375	272.5104	SWC
481	1519372.5249	665049.0043	272.8965	SWC
482	1519414.0364	665064.0779	270.5711	SWC
483	1519416.7325	665091.6812	271.7127	SWC
484	1519406.4604	665096.3748	273.0810	SWC
485	1519417.1267	665094.9044	271.8191	SWC
486	1519421.3919	665131.7114	272.2275	SWC
487	1519427.2798	665184.6666	272.6172	SWC
488	1519431.9858	665184.1026	272.5124	SWC
489	1519426.6122	665135.8241	272.2123	SWC
490	1519421.0891	665085.0752	271.1444	SWC
491	1519419.2112	665066.2874	270.6366	SWC
492	1519424.1561	665075.2863	270.6064	HYD
493	1519423.2686	665070.8656	270.2452	LP
494	1519429.2022	665151.8566	272.0526	MW-6 CASING
495	1519429.0751	665151.8633	272.4365	MW-6 CAP
496	1519437.0154	665184.5777	271.5686	DCP
497	1519432.7067	665144.0509	271.3692	DCP
498	1519433.2251	665144.0282	270.6812	BCU
499	1519437.4288	665183.6720	271.1102	BCU
500	1519454.9536	665182.1754	271.4963	CP
501	1519449.5671	665129.6840	270.6525	CP
502	1519444.6682	665077.7963	269.0237	CP
503	1519439.9725	665026.6783	266.5229	CP
504	1519405.8241	664987.6157	265.5759	CB
505	1519408.4358	664987.3740	265.5321	CB
506	1519408.5927	664990.0378	265.5415	CB
507	1519405.9532	664990.2114	265.5823	CB
508	1519404.7582	664988.2435	265.8057	BCU
509	1519408.7870	664987.3317	265.4712	BCU
510	1519412.8541	664986.2206	265.0426	BCU
511	1519415.4432	664983.5347	264.6509	BCU
512	1519415.7152	664979.0539	264.2508	BCU
513	1519437.4081	664992.4553	264.8356	CP
514	1519460.0436	665015.4336	265.4235	CB
515	1519457.3967	665015.6577	265.5883	CB
516	1519457.6534	665018.3226	265.6734	CB

517	1519460.2932	665018.0698	265.5172	CB
518	1519450.6046	665031.3938	266.7403	TEL-MH
519	1519458.5150	664992.4860	264.3210	BCU
520	1519462.2182	665043.9839	266.7693	BCU
521	1519465.3530	665096.1498	269.2586	BCU
522	1519469.0611	665149.5776	270.4566	BCU
523	1519471.5589	665179.3697	270.7614	BCU
524	1519469.3932	665163.2332	270.6435	CB
525	1519467.2352	665163.4020	270.6202	CB
526	1519467.0403	665161.2011	270.6812	CB
527	1519469.2193	665161.0565	270.6903	CB
529	1519401.5848	665097.8218	273.3392	WPF
530	1519410.9796	665091.6361	272.3355	H
531	1519408.5916	665071.3900	272.4199	H
532	1519422.4629	665121.0507	272.0892	MN
533	1519327.2898	665232.1329	288.4670	TOB
534	1519358.1481	665206.6785	288.3077	TOB
535	1519388.8060	665185.3176	288.0171	TOB
536	1519409.0306	665174.2925	288.0675	TOB
537	1519418.2275	665172.9096	285.6580	AUBT
538	1519416.1623	665173.1970	285.6368	AUBT
539	1519415.9095	665171.2357	287.3201	AUBT
540	1519409.2226	665133.4886	287.2776	AUBT
541	1519382.8719	665135.3944	280.3020	AUBT
542	1519392.3824	665145.8598	289.0152	TOB
543	1519366.2878	665161.9139	289.1293	TOB
544	1519339.0251	665178.0986	289.5129	TOB
545	1519314.5619	665202.6274	289.4493	TOB
546	1519298.8573	665215.2110	289.4834	TOB
547	1519343.6854	665237.1338	279.2250	BOB
548	1519376.8803	665210.5615	277.2277	BOB
549	1519406.5138	665194.9724	274.8229	BOB
550	1519340.6778	665097.5679	276.0313	H
551	1519345.1884	665096.2650	275.8772	S
552	1519346.1178	665103.1477	276.1312	S
553	1519353.0476	665102.2249	275.8172	S
554	1519353.7415	665097.4663	275.5898	H
555	1519352.2408	665086.3696	275.5821	H
556	1519353.3511	665070.8633	274.9554	H
557	1519338.2893	665060.5223	275.3067	H
558	1519343.4876	665151.8704	276.3805	BOB
559	1519380.8258	665156.4919	289.2618	MN
560	1519382.8395	665135.4950	280.3171	ABUT
561	1519368.5784	665142.6462	278.3196	ABUT
562	1519382.6295	665132.9314	274.6249	ABUT
563	1519360.7005	665097.3845	275.4995	H
564	1519383.8665	665121.2382	274.2426	WPFC
565	1519384.3548	665124.5977	274.2431	IR
566	1519422.8640	665185.5419	274.0794	ABUT
567	1519422.2649	665190.6051	274.2471	BOB
568	1519418.8147	665157.8006	273.0278	SEL
569	1519415.4476	665130.6486	273.1381	ABUT

570	1519413.7756	665120.3670	272.4837	IR
571	1519404.2227	665118.9861	273.2694	WPFC
572	1519422.1541	665088.4277	271.3262	WV
573	1519427.8586	665075.4142	268.6554	WV
574	1519429.3012	665051.6561	267.6353	WL
575	1519445.2977	665187.3534	271.4635	WL
576	1519292.5897	665113.0842	277.0098	WL
577	1519287.5615	665108.8037	276.9353	WL
578	1519278.8064	665034.2179	276.1635	WL
579	1519275.0012	665027.2654	276.4783	GL
580	1519277.7429	665062.3717	276.5542	GL
581	1519327.0799	665039.7827	274.6122	GL
582	1519326.1817	665020.5230	274.6650	GL
583	1519333.2011	665023.1840	274.2166	WL
584	1519333.5187	665034.4381	274.0179	WL
585	1519367.8879	665064.8864	274.3612	GL
586	1519368.0526	665043.0411	272.9406	GL
587	1519363.5076	665032.3301	272.3180	GL
588	1519359.4443	664992.6218	272.1155	GL
589	1519361.0746	664992.2057	271.9385	GV
590	1519440.8410	665058.5188	267.8638	SAN-MH
591	1519178.7271	665012.8743	279.1576	GL
592	1519172.0251	665030.0829	280.6820	GL
593	1519174.5275	665052.2484	279.9280	GL
594	1519167.6349	665051.1689	280.3735	WV
595	1519260.5627	665293.0687	288.8886	SS-6
596	1519199.0647	665262.6928	288.3574	SS-4

Summary

Point	Northing	Easting	Elev	Desc	Elev-rounded	BlockName
1	1519150.629400	665382.348400	290.196800	MN	290.20	TRI
2	1519086.093800	665024.954400	284.607000	MN	284.61	TRI
3	1519097.429002	665063.235264	284.170112	EP	284.17	X
4	1519101.605807	665113.320929	284.230842	EP	284.23	X
5	1519105.366383	665160.954534	284.840768	EP	284.84	X
6	1519109.453493	665208.796258	286.238599	EP	286.24	X
7	1519114.114488	665257.620174	287.584818	EP	287.58	X
8	1519118.913964	665306.547464	288.929992	EP	288.93	X
9	1519122.944514	665355.064522	289.813961	EP	289.81	X
10	1519127.635570	665402.412834	291.068288	EP	291.07	X
11	1519121.646084	665404.146344	292.594606	EP	292.59	X
12	1519132.911520	665450.335573	292.795712	SEL	292.80	X
13	1519132.722501	665464.066979	293.218092	SEL	293.22	X
14	1519157.636987	665447.283227	291.209946	MNF	291.21	X
15	1519147.126280	665310.669962	288.710691	2-PVC	288.71	DOT
16	1519168.246600	665448.741687	290.255338	EP	290.26	X
17	1519163.162444	665447.237202	290.621126	EP	290.62	X
18	1519157.938047	665447.285581	291.127828	EP	291.13	X
19	1519153.688135	665435.595437	291.389487	EP	291.39	X
20	1519149.428276	665395.410902	290.663596	EP	290.66	X
21	1519144.722727	665348.189649	289.966886	EP	289.97	X
22	1519140.632658	665300.289261	289.190971	EP	289.19	X
23	1519136.240418	665254.463542	288.012770	EP	288.01	X
24	1519131.883432	665205.695622	286.622276	EP	286.62	X
25	1519127.605772	665172.061945	285.340842	EP	285.34	X
26	1519126.003133	665165.615235	285.119176	EP	285.12	X
27	1519121.496229	665119.488338	283.884229	EP	283.88	X
28	1519117.013705	665069.488330	283.192879	EP	283.19	X
29	1519116.346314	665051.956342	282.917247	EP	282.92	X
30	1519150.671573	665233.104123	287.188914	ADR	287.19	X
31	1519154.394859	665280.805302	288.198258	ADR	288.20	X
32	1519159.243207	665324.123806	289.229570	ADR	289.23	X
33	1519160.020749	665340.754954	289.431855	ADR	289.43	X
34	1519157.043121	665351.160981	289.453088	ADR	289.45	X
35	1519160.504049	665367.812275	289.465179	ADR	289.47	X
36	1519165.006367	665384.455546	289.757663	ADR	289.76	X
37	1519160.019330	665427.062879	290.451508	ADR	290.45	X
38	1519163.461326	665446.231043	290.535371	ADR	290.54	X
39	1519203.360404	665333.951814	288.842485	IR	288.84	X
40	1519207.740682	665336.411186	288.926489	IR	288.93	X
41	1519265.377763	665255.450724	288.471953	SS-3	288.47	SCIR
42	1519244.415500	665240.510098	288.012870	CASING	288.01	DOT
43	1519178.367304	665280.510228	287.967314	CASING	287.97	DOT
44	1519159.608803	665435.942204	290.473782	CASING	290.47	DOT
45	1519120.357197	665052.189291	282.771305	BCU	282.77	X
46	1519125.423705	665051.247949	282.489876	BCU	282.49	X
47	1519154.533170	665048.780920	280.643814	BCU	280.64	X
48	1519181.203457	665046.516376	279.491047	BCU	279.49	X
49	1519180.116661	665047.016538	279.869570	DCP	279.87	X
50	1519156.517947	665049.056166	280.893731	DCP	280.89	X
51	1519124.305313	665051.754666	282.831640	DCP	282.83	X

52	1519120.242130	665052.902075	282.957674	DCP	282.96	X
53	1519126.454182	665056.453143	282.030124	SWC	282.03	X
54	1519163.835241	665051.990193	280.375449	SWC	280.38	X
55	1519202.042911	665047.732068	278.885953	SWC	278.89	X
56	1519234.830899	665044.252388	277.777626	SWC	277.78	X
57	1519234.640464	665042.279993	277.694316	SWC	277.69	X
58	1519238.923501	665041.911172	277.597423	SWC	277.60	X
59	1519239.302149	665043.748894	277.546427	SWC	277.55	X
60	1519259.299891	665041.717247	276.738594	SWC	276.74	X
61	1519259.768960	665046.524612	276.697955	SWC	276.70	X
62	1519239.858727	665048.602989	277.564615	SWC	277.56	X
63	1519240.269643	665053.348547	277.625938	SWC	277.63	X
64	1519235.788841	665053.606005	277.645943	SWC	277.65	X
65	1519235.407851	665049.148612	277.788408	SWC	277.79	X
66	1519216.508789	665051.181124	278.363672	SWC	278.36	X
67	1519217.181596	665059.663603	278.315154	SWC	278.32	X
68	1519214.804608	665051.310747	278.393550	SWC	278.39	X
69	1519174.001071	665055.345528	279.951270	SWC	279.95	X
70	1519147.027369	665058.384579	281.166685	SWC	281.17	X
71	1519150.097453	665083.451439	281.262491	SWC	281.26	X
72	1519152.080596	665082.897610	281.547051	SWC	281.55	X
73	1519152.257923	665085.783760	281.483353	SWC	281.48	X
74	1519150.423660	665085.917212	281.303884	SWC	281.30	X
75	1519152.494272	665101.010590	281.405410	SWC	281.41	X
76	1519162.180281	665110.767638	281.262983	SWC	281.26	X
77	1519161.577332	665112.685673	281.283864	SWC	281.28	X
78	1519150.550435	665100.808550	281.371436	SWC	281.37	X
79	1519145.083189	665058.600704	281.262905	SWC	281.26	X
80	1519127.013456	665060.215549	281.929311	SWC	281.93	X
81	1519134.091929	665144.504678	282.282053	SEL	282.28	X
82	1519183.150361	665139.731137	280.645119	SEL	280.65	X
83	1519154.619488	665100.082231	281.437927	H	281.44	X
84	1519151.714088	665077.605360	281.712825	H	281.71	X
85	1519162.822045	665068.696543	281.627613	H	281.63	X
86	1519128.763072	665103.147073	281.820105	FC	281.82	X
87	1519128.067081	665079.620072	281.568400	SEL	281.57	X
88	1519183.975507	665056.197815	279.609055	UP	279.61	X
89	1519185.994651	665048.923251	279.277074	EP	279.28	X
90	1519195.053103	665048.027904	279.096707	EP	279.10	X
91	1519195.563225	665045.565922	278.980570	EP	278.98	X
92	1519234.167486	665041.852380	277.577280	EP	277.58	X
93	1519247.125574	665040.086818	277.100017	EP	277.10	X
94	1519259.004281	665039.957338	276.654212	EP	276.65	X
95	1519256.960707	665005.500240	276.507515	MN	276.51	TRI
96	1519090.027238	665021.386024	284.008399	EP	284.01	X
97	1519120.990803	665018.459413	281.903532	EP	281.90	X
98	1519172.173809	665013.674129	279.509310	EP	279.51	X
99	1519209.312987	665009.716532	278.144614	EP	278.14	X
100	1519229.529722	665007.109885	277.543013	EP	277.54	X
101	1519280.638704	665001.893947	275.573339	EP	275.57	X
102	1519332.206909	664996.742673	273.753583	EP	273.75	X
103	1519381.711106	664990.992748	269.201089	EP	269.20	X

104	1519381.215000	664989.106481	269.509292	MW-5CAP	269.51	SCIR
105	1519381.193688	664989.156475	269.128696	CASING	269.13	DOT
106	1519362.708583	665035.436767	272.349770	BCU	272.35	X
107	1519348.757549	665031.371989	273.149422	BCU	273.15	X
108	1519341.113095	665030.853615	273.532374	BCU	273.53	X
109	1519328.113893	665031.695294	274.206004	BCU	274.21	X
110	1519317.605028	665032.857529	274.750246	BCU	274.75	X
111	1519317.929360	665033.217562	274.953016	DCP	274.95	X
112	1519327.895798	665032.050122	274.576606	DCP	274.58	X
113	1519340.998224	665031.179405	273.709012	DCP	273.71	X
114	1519350.607247	665032.255344	273.472817	DCP	273.47	X
115	1519362.517990	665035.888681	272.890497	DCP	272.89	X
116	1519355.231773	665043.289282	273.906549	SMIR	273.91	X
117	1519351.895943	665043.629366	274.280690	IR	274.28	X
118	1519346.614654	665039.435914	273.844737	SWC	273.84	X
119	1519339.689553	665038.697070	274.090791	SWC	274.09	X
120	1519313.866583	665041.175813	275.134443	SWC	275.13	X
121	1519314.067483	665045.937120	275.249533	SWC	275.25	X
122	1519309.190950	665044.770600	275.273613	SWC	275.27	X
123	1519308.964577	665041.533784	275.258792	SWC	275.26	X
124	1519286.864477	665043.639944	275.923521	SWC	275.92	X
125	1519286.679907	665039.139071	275.890389	SWC	275.89	X
126	1519339.362714	665033.840591	274.136098	SWC	274.14	X
127	1519347.960360	665035.183112	273.624773	SWC	273.62	X
128	1519314.186572	665034.534074	274.759386	CASING	274.76	DOT
129	1519314.119465	665034.467628	275.151541	MW-4-CAP	275.15	SCIR
130	1519286.279919	665004.535916	275.213737	CB	275.21	X
131	1519283.661956	665004.893694	275.318254	CB	275.32	X
132	1519283.313409	665002.336396	275.293954	CB	275.29	X
133	1519285.789976	665002.039632	275.200357	CB	275.20	X
134	1519289.360800	665038.035479	275.865585	UP	275.87	X
135	1519265.121827	665039.075602	276.479846	CB	276.48	X
136	1519263.043346	665039.281962	276.496939	CB	276.50	X
137	1519262.876379	665037.116528	276.496480	CB	276.50	X
138	1519264.984883	665037.018820	276.495923	CB	276.50	X
139	1519286.565342	665036.219349	275.835244	EP	275.84	X
140	1519282.125004	665044.929068	276.285147	EP	276.29	X
141	1519279.907936	665050.175375	276.362779	EP	276.36	X
142	1519284.266837	665101.165993	276.996405	EP	277.00	X
143	1519287.661875	665108.365548	276.882608	EP	276.88	X
144	1519303.840499	665107.853006	276.498819	EP	276.50	X
145	1519300.895888	665127.305623	276.986772	EP	276.99	X
146	1519287.657687	665127.258451	277.427657	EP	277.43	X
147	1519286.458142	665128.928011	277.382090	EP	277.38	X
148	1519286.494455	665148.820998	277.645782	EP	277.65	X
149	1519277.283117	665148.947393	277.703430	EP	277.70	X
150	1519271.885154	665111.377656	277.082541	EP	277.08	X
151	1519264.584431	665112.126937	277.492361	EP	277.49	X
152	1519263.378078	665097.524786	277.496764	EP	277.50	X
153	1519269.967429	665097.241843	277.051280	EP	277.05	X
154	1519271.406712	665094.080995	276.876986	EP	276.88	X
155	1519265.680431	665046.265023	276.377789	EP	276.38	X

156	1519261.280530	665046.065681	276.574885	EP	276.57	X
157	1519471.960073	665083.861383	268.987348	MN	268.99	TRI
158	1519284.191141	665162.898696	277.988668	MN	277.99	TRI
159	1519301.545796	665186.992702	280.429351	IR	280.43	X
160	1519282.185454	665210.653863	286.686346	SEL	286.69	X
161	1519280.778370	665196.322242	284.423331	SEL	284.42	X
162	1519280.715861	665184.232711	284.040403	SEL	284.04	X
163	1519280.789251	665179.266677	280.734018	SEL	280.73	X
164	1519280.594487	665173.387423	278.812462	SEL	278.81	X
165	1519275.189888	665174.050690	279.509503	MH	279.51	X
166	1519266.012347	665067.950243	276.871540	SCB	276.87	X
167	1519147.210870	665310.663610	289.021717	MW-7	289.02	SCIR
168	1519205.740640	665203.004326	288.043335	MW-8	288.04	SCIR
169	1519104.489799	665036.007054	284.045287	CL-INT	284.05	X
170	1519106.174838	665052.830195	283.653601	CP	283.65	X
171	1519105.069698	665067.480632	283.796865	SAN-MH	283.80	X
172	1519109.059776	665088.733935	283.999653	CP	284.00	X
173	1519113.734821	665139.382540	284.656431	CP	284.66	X
174	1519119.209227	665190.462189	285.813985	CP	285.81	X
175	1519124.225650	665240.601488	287.363008	CP	287.36	X
176	1519129.269874	665291.750702	288.747156	CP	288.75	X
177	1519133.164950	665343.464414	289.666768	CP	289.67	X
178	1519138.887203	665395.808037	290.838606	CP	290.84	X
179	1519143.169516	665446.492427	292.065680	CP	292.07	X
180	1519145.289039	665462.131294	292.069314	CP	292.07	X
181	1519146.065701	665473.809730	292.103597	CL-INT	292.10	X
182	1519189.439769	665487.062038	289.380883	IR	289.38	X
183	1519159.383922	665435.963557	290.793520	MW-1 CAP	290.79	SCIR
184	1519177.336899	665317.808049	288.628699	SB-1	288.63	SCIR
185	1519208.728015	665322.273785	288.513995	SS-5	288.51	SCIR
186	1519178.258704	665280.592596	288.208375	MW-2 CAP	288.21	SCIR
187	1519205.785240	665203.074660	287.504396	2-PVC	287.50	DOT
188	1519175.407568	665251.111247	288.049569	SB-6	288.05	SCIR
189	1519172.321934	665213.721190	287.836100	SB-7	287.84	SCIR
190	1519206.946922	665208.531408	288.176338	SB-4	288.18	SCIR
191	1519241.101643	665206.767167	287.969483	SB-5	287.97	SCIR
192	1519244.253549	665240.621166	288.447612	MW-3 CAP	288.45	SCIR
193	1519209.514639	665243.065091	288.099725	SB-3	288.10	SCIR
194	1519274.898680	665217.602584	288.582440	MW-9	288.58	SCIR
195	1519210.113158	665279.812716	288.129552	SB-2	288.13	SCIR
196	1519274.958330	665217.494905	288.300647	2-PVC	288.30	DOT
197	1519151.124498	665032.586323	281.515380	CP	281.52	X
198	1519210.454840	665026.251184	278.769126	CP	278.77	X
199	1519262.123863	665020.819233	277.021086	CP	277.02	X
200	1519326.329452	665013.976533	274.587131	CP	274.59	X
201	1519385.852939	665008.173892	269.480368	CP	269.48	X
202	1519416.131342	665005.321672	265.717126	CP	265.72	X
203	1519113.386766	665284.416158	288.182984	SS-2	288.18	SCIR
204	1519186.151756	665491.510710	289.670009	SS-1	289.67	SCIR
205	1519197.445114	665468.058098	288.197104	CP	288.20	X
206	1519290.647910	665166.483828	278.139241	HA-10	278.14	SCIR
207	1519263.785410	665154.208176	278.663281	MW-10	278.66	SCIR

208	1519263.782650	665154.114067	278.154558	2-PVC	278.15	DOT
209	1519272.034050	665172.380464	279.427643	HA-11	279.43	SCIR
210	1519220.505460	665166.105749	280.035888	HA-9	280.04	SCIR
211	1519204.880170	665166.840333	280.569146	HA-8	280.57	SCIR
212	1519184.218130	665168.059061	281.225549	HA-7	281.23	SCIR
213	1519167.590620	665169.100056	282.229136	HA-6	282.23	SCIR
301	1519108.930032	665183.638733	285.490817	MN	285.49	TRI
302	1519152.454481	665193.779053	286.839668	CRW	286.84	X
303	1519152.486046	665196.206025	287.316307	CRW	287.32	X
304	1519155.254304	665195.932055	287.597166	CRW	287.60	X
305	1519155.141060	665195.340771	287.693466	CRW	287.69	X
306	1519174.519409	665193.660955	286.980211	CRW	286.98	X
307	1519204.734392	665190.965817	287.014417	CRW	287.01	X
308	1519237.619101	665188.141446	287.636924	CRW	287.64	X
309	1519262.814105	665186.033369	287.234988	CRW	287.23	X
310	1519257.663840	665201.223355	288.536413	CRW	288.54	X
311	1519258.588908	665201.637847	288.857017	CRW	288.86	X
312	1519256.917693	665206.133519	288.625272	CRW	288.63	X
313	1519259.068918	665205.745554	288.890933	CRW	288.89	X
314	1519266.727992	665183.470945	288.457626	CRW	288.46	X
315	1519279.718935	665228.627035	288.090113	SEL	288.09	X
316	1519280.892431	665228.271547	287.641355	IR	287.64	X
317	1519095.135645	665067.928213	284.309811	UP	284.31	X
318	1519106.866291	665193.556875	285.843264	UP	285.84	X
319	1519116.650980	665296.688561	288.519775	UP	288.52	X
320	1519125.323632	665403.248606	291.546669	UP	291.55	X
321	1519205.598179	665445.937597	287.279888	TOB	287.28	X
322	1519188.697244	665436.101544	289.731877	TOB	289.73	X
323	1519187.667785	665415.217619	290.083022	TOB	290.08	X
324	1519192.469581	665401.301120	289.951968	TOB	289.95	X
325	1519226.368645	665375.408672	283.922051	TOB+BOB	283.92	X
326	1519206.964152	665397.636408	285.044712	BOB	285.04	X
327	1519200.493972	665414.230047	285.211647	BOB	285.21	X
328	1519202.861822	665437.444581	285.140792	BOB	285.14	X
329	1519219.053298	665442.009919	285.088684	BOB	285.09	X
330	1519216.857967	665414.343265	284.763443	SEL	284.76	X
331	1519229.421633	665388.787954	283.596784	SEL	283.60	X
332	1519249.082731	665380.629549	282.208460	EP	282.21	X
333	1519231.533246	665382.831749	283.403425	EP	283.40	X
334	1519243.500887	665361.672959	282.991619	EP	282.99	X
335	1519255.436387	665363.166962	282.106210	EP	282.11	X
336	1519243.728363	665363.259228	282.847363	MNF	282.85	X
337	1519241.238597	665360.124916	283.437074	IR	283.44	X
338	1519240.808716	665361.287088	283.207124	BOB	283.21	X
339	1519228.660901	665360.295610	284.253615	BOB	284.25	X
340	1519209.389084	665372.672971	286.275376	BOB	286.28	X
341	1519194.284469	665384.561628	288.722817	BOB+TOB	288.72	X
342	1519201.308643	665374.358436	289.134769	TOB	289.13	X
343	1519222.270050	665359.908369	288.630152	TOB	288.63	X
344	1519234.367291	665355.672213	288.703782	TOB	288.70	X
345	1519235.943979	665352.073269	288.799850	TOB	288.80	X
346	1519246.098703	665335.797104	288.753078	TOB	288.75	X

347	1519229.358623	665191.145696	287.653529	SN	287.65	TRI
348	1519348.038664	665186.463177	289.160639	SN	289.16	TRI
349	1519135.148012	665161.952605	285.217612	FC	285.22	X
350	1519145.767606	665160.503003	284.727712	S	284.73	X
351	1519147.275233	665172.762487	285.210526	S	285.21	X
352	1519159.510961	665171.141589	285.024545	S+SLB	285.02	X
353	1519160.605973	665183.377998	285.010247	SLB	285.01	X
354	1519137.361796	665185.602399	285.768732	SLB	285.77	X
355	1519132.642547	665162.745449	285.401542	SLB	285.40	X
356	1519152.256601	665186.407060	285.986096	CLFC	285.99	X
357	1519178.718732	665170.724209	281.576358	SEL	281.58	X
358	1519179.722203	665107.147220	280.308138	PCH	280.31	X
359	1519164.031179	665109.171001	281.445337	PCH	281.45	X
360	1519163.475036	665334.732784	289.439829	FLAG	289.44	X
361	1519195.330819	665332.076924	288.627965	FLAG	288.63	X
362	1519194.203719	665297.042398	288.318646	FLAG	288.32	X
363	1519228.942840	665293.695701	288.236321	FLAG	288.24	X
364	1519263.715565	665290.592225	288.959731	FLAG	288.96	X
365	1519262.692046	665256.295263	288.181754	FLAG	288.18	X
366	1519227.151123	665258.916594	288.428047	FLAG	288.43	X
367	1519192.517013	665262.484877	288.326047	FLAG	288.33	X
368	1519158.366617	665265.157312	288.061334	FLAG	288.06	X
369	1519153.700037	665233.970497	287.138612	FLAG	287.14	X
370	1519191.331234	665227.168524	288.453683	FLAG	288.45	X
371	1519226.362589	665223.965578	288.422479	FLAG	288.42	X
372	1519245.004998	665335.828164	288.929259	TOB	288.93	X
373	1519261.684333	665308.206984	288.827335	TOB	288.83	X
374	1519286.219217	665284.623373	288.249794	TOB	288.25	X
375	1519306.816899	665254.279292	288.565937	TOB	288.57	X
376	1519311.112959	665261.530562	282.973099	BOB	282.97	X
377	1519286.630169	665296.738176	285.851118	MN	285.85	TRI
378	1519241.796049	665295.471819	289.469481	SEL	289.47	X
379	1519248.310478	665274.130979	288.249530	SEL	288.25	X
380	1519259.056807	665269.683557	289.545642	SEL	289.55	X
381	1519285.482168	665235.183067	289.573079	SEL	289.57	X
382	1519279.837380	665206.119559	287.975474	TOW	287.98	X
383	1519280.018707	665179.664747	288.690886	TOW	288.69	X
384	1519263.292960	665181.220866	288.645331	TOW	288.65	X
385	1519263.484633	665183.212920	288.586330	TOW	288.59	X
386	1519264.487201	665184.709184	291.104272	TOW	291.10	X
387	1519168.445160	665187.140972	283.121509	HA-1	283.12	SCIR
388	1519182.898639	665186.645899	282.566245	HA-2	282.57	SCIR
389	1519169.393577	665191.661942	283.100786	SEL	283.10	X
390	1519199.023944	665188.383350	282.728051	SEL	282.73	X
391	1519209.148843	665185.110518	281.734550	HA-3	281.73	SCIR
392	1519207.186787	665181.682217	281.616458	EOCLF	281.62	X
393	1519199.328534	665181.849306	281.851878	WPF	281.85	X
394	1519199.461814	665166.141363	281.212543	UP	281.21	X
395	1519196.229910	665141.892292	280.058835	WPFC	280.06	X
396	1519197.390737	665139.641271	279.994534	S	279.99	X
397	1519213.587539	665138.358310	279.688076	S	279.69	X
398	1519212.533544	665124.804741	279.220038	S+WPF	279.22	X

399	1519220.383634	665124.017119	279.167764	WPFC	279.17	X
400	1519223.528536	665129.331368	279.095607	H	279.10	X
401	1519225.275792	665144.798903	279.509612	H	279.51	X
402	1519238.579561	665144.737510	280.780941	H	280.78	X
403	1519249.039498	665147.866180	279.124951	H	279.12	X
404	1519257.439295	665146.835594	278.880232	H	278.88	X
405	1519265.448280	665141.809986	278.797059	H	278.80	X
406	1519233.235329	665185.298880	281.059994	HA-4	281.06	SCIR
407	1519257.342079	665182.873334	280.790005	HA-5	280.79	SCIR
408	1519225.715106	665186.699631	281.355819	S	281.36	X
409	1519225.355325	665179.142377	280.957748	S	280.96	X
410	1519218.281815	665179.492959	281.050831	S	281.05	X
411	1519307.697075	665062.576253	276.302494	H	276.30	X
412	1519308.715719	665077.616820	276.528531	H	276.53	X
413	1519309.390661	665091.272386	276.453375	DCK	276.45	X
414	1519297.418775	665092.079395	276.991979	DCK	276.99	X
415	1519297.949618	665100.149376	276.967759	DCK	276.97	X
416	1519304.042286	665115.879837	276.879534	H	276.88	X
417	1519288.102323	665128.001145	277.462890	PFC	277.46	X
418	1519300.422298	665140.045231	277.575509	SLB	277.58	X
419	1519288.504150	665139.810419	277.668597	SLB	277.67	X
420	1519288.448103	665145.155157	277.732621	SLB	277.73	X
421	1519300.224986	665145.414152	277.632040	SLB	277.63	X
422	1519303.458997	665160.196232	277.292400	H	277.29	X
423	1519324.208917	665160.324361	276.747193	H	276.75	X
424	1519328.189839	665163.419902	277.018090	BOB	277.02	X
425	1519309.638397	665164.413796	277.276728	S	277.28	X
426	1519304.006759	665172.941864	277.968319	S	277.97	X
427	1519312.634282	665178.554177	278.811849	S	278.81	X
428	1519289.500821	665162.429731	278.001912	EOPF	278.00	X
429	1519291.611746	665173.296378	279.745156	UP	279.75	X
430	1519263.151685	665180.887630	280.461961	SEL	280.46	X
431	1519287.647781	665168.450478	277.887659	DRV	277.89	X
432	1519240.886742	665172.850698	280.318389	DRV	280.32	X
433	1519235.702086	665161.626546	279.895361	DRV	279.90	X
434	1519234.584991	665152.932555	279.679427	DRV	279.68	X
435	1519275.147726	665147.478524	277.770117	DRV	277.77	X
436	1519270.712195	665140.817773	281.600601	PCH	281.60	X
437	1519268.526471	665122.612361	281.353682	PCH	281.35	X
438	1519268.463958	665122.314670	277.245268	SEL	277.25	X
439	1519263.205220	665123.127007	277.480094	H	277.48	X
440	1519258.587714	665114.017236	278.099952	H	278.10	X
441	1519261.826852	665097.493857	277.686431	H	277.69	X
442	1519260.766163	665065.234271	277.055338	H	277.06	X
443	1519260.260741	665061.198571	277.203448	H	277.20	X
444	1519179.137138	665066.553228	280.778774	H	280.78	X
445	1519182.442432	665092.645261	280.169993	H	280.17	X
446	1519191.469187	665090.875057	279.475977	PFC	279.48	X
447	1519203.722139	665087.330729	278.989170	SEL	278.99	X
448	1519221.056808	665061.180591	278.518297	H	278.52	X
449	1519256.547747	665056.741286	277.614542	H	277.61	X
450	1519313.795330	665048.081730	275.203770	H	275.20	X

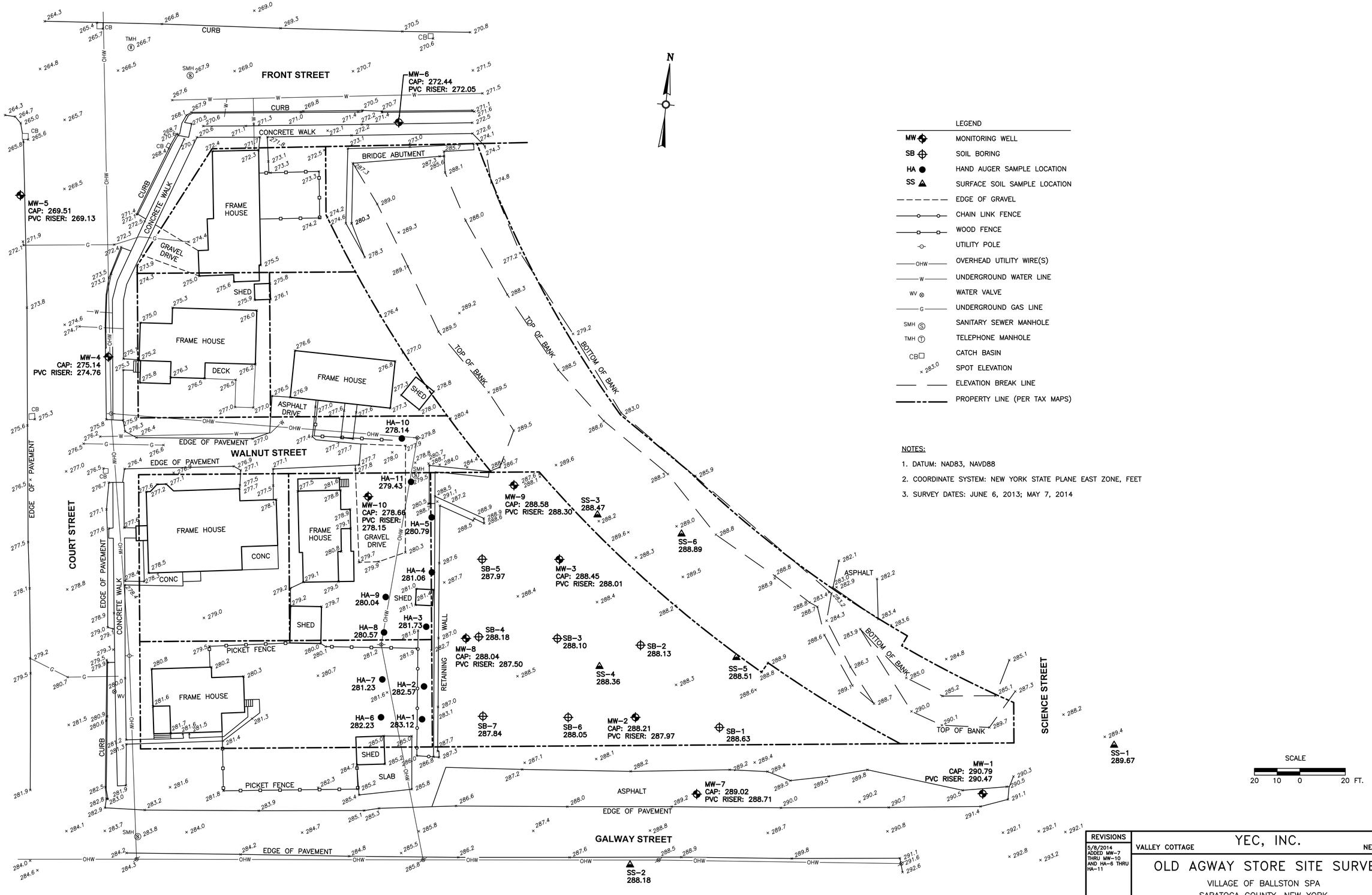
451	1519330.388512	665047.048997	275.000464	H	275.00	X
452	1519304.080203	665049.372144	275.776086	PCH	275.78	X
453	1519317.040417	665099.207159	276.222190	H	276.22	X
454	1519324.676441	665115.992998	276.619716	H	276.62	X
455	1519377.730798	665040.814706	271.367521	BCU	271.37	X
456	1519410.785421	665053.358129	268.795347	BCU	268.80	X
457	1519414.677904	665055.117784	268.672789	BCU	268.67	X
458	1519414.683151	665056.343630	268.659891	BCU	268.66	X
459	1519419.526180	665056.871820	268.320030	BCU	268.32	X
460	1519423.241593	665058.508467	268.059312	BCU	268.06	X
461	1519424.788242	665060.600435	267.900584	BCU	267.90	X
462	1519429.964711	665109.564179	269.760397	BCU	269.76	X
463	1519432.767205	665135.476702	270.479659	BCU	270.48	X
464	1519432.131449	665135.492193	271.005926	DCP	271.01	X
465	1519431.913726	665133.637712	271.368254	DCP	271.37	X
466	1519429.317695	665108.562276	271.015732	DCP	271.02	X
467	1519424.430841	665061.117719	269.340254	DCP	269.34	X
468	1519423.325978	665059.511582	269.377332	DCP	269.38	X
469	1519419.997337	665058.010537	270.551721	DCP	270.55	X
470	1519419.765749	665061.188521	270.521242	DCP	270.52	X
471	1519413.676917	665060.441129	270.606638	DCP	270.61	X
472	1519414.096717	665055.690469	270.628231	DCP	270.63	X
473	1519410.308338	665053.939208	270.649483	DCP	270.65	X
474	1519377.864208	665041.387945	272.092489	DCP	272.09	X
475	1519410.358522	665051.661705	268.510381	CB	268.51	X
476	1519409.888234	665052.848369	268.465425	CB	268.47	X
477	1519408.084776	665052.210406	268.434754	CB	268.43	X
478	1519408.522165	665050.845405	268.459055	CB	268.46	X
479	1519412.696695	665058.581276	270.649195	SWC	270.65	X
480	1519375.080823	665044.737498	272.510418	SWC	272.51	X
481	1519372.524901	665049.004345	272.896485	SWC	272.90	X
482	1519414.036380	665064.077884	270.571053	SWC	270.57	X
483	1519416.732462	665091.681206	271.712719	SWC	271.71	X
484	1519406.460433	665096.374774	273.080978	SWC	273.08	X
485	1519417.126653	665094.904382	271.819076	SWC	271.82	X
486	1519421.391893	665131.711396	272.227481	SWC	272.23	X
487	1519427.279816	665184.666626	272.617236	SWC	272.62	X
488	1519431.985756	665184.102578	272.512430	SWC	272.51	X
489	1519426.612227	665135.824104	272.212331	SWC	272.21	X
490	1519421.089127	665085.075206	271.144445	SWC	271.14	X
491	1519419.211214	665066.287389	270.636628	SWC	270.64	X
492	1519424.156066	665075.286333	270.606378	HYD	270.61	X
493	1519423.268636	665070.865575	270.245236	LP	270.25	X
494	1519429.202249	665151.856639	272.052609	CASING	272.05	DOT
495	1519429.075104	665151.863336	272.436475	MW-6-CAP	272.44	SCIR
496	1519437.015412	665184.577654	271.568612	DCP	271.57	X
497	1519432.706714	665144.050852	271.369160	DCP	271.37	X
498	1519433.225115	665144.028210	270.681160	BCU	270.68	X
499	1519437.428823	665183.671994	271.110200	BCU	271.11	X
500	1519454.953606	665182.175421	271.496326	CP	271.50	X
501	1519449.567083	665129.683972	270.652461	CP	270.65	X
502	1519444.668225	665077.796309	269.023702	CP	269.02	X

503	1519439.972528	665026.678315	266.522923	CP	266.52	X
504	1519405.824110	664987.615682	265.575876	CB	265.58	X
505	1519408.435832	664987.374002	265.532098	CB	265.53	X
506	1519408.592727	664990.037847	265.541461	CB	265.54	X
507	1519405.953240	664990.211439	265.582338	CB	265.58	X
508	1519404.758234	664988.243543	265.805737	BCU	265.81	X
509	1519408.787024	664987.331748	265.471201	BCU	265.47	X
510	1519412.854077	664986.220616	265.042575	BCU	265.04	X
511	1519415.443183	664983.534720	264.650884	BCU	264.65	X
512	1519415.715199	664979.053872	264.250821	BCU	264.25	X
513	1519437.408062	664992.455264	264.835649	CP	264.84	X
514	1519460.043588	665015.433592	265.423455	CB	265.42	X
515	1519457.396666	665015.657714	265.588293	CB	265.59	X
516	1519457.653416	665018.322552	265.673442	CB	265.67	X
517	1519460.293224	665018.069834	265.517212	CB	265.52	X
518	1519450.604575	665031.393751	266.740297	TEL-MH	266.74	X
519	1519458.515044	664992.486043	264.320955	BCU	264.32	X
520	1519462.218155	665043.983902	266.769298	BCU	266.77	X
521	1519465.353041	665096.149765	269.258585	BCU	269.26	X
522	1519469.061062	665149.577614	270.456599	BCU	270.46	X
523	1519471.558948	665179.369693	270.761382	BCU	270.76	X
524	1519469.393186	665163.233200	270.643531	CB	270.64	X
525	1519467.235151	665163.402029	270.620192	CB	270.62	X
526	1519467.040329	665161.201113	270.681247	CB	270.68	X
527	1519469.219286	665161.056530	270.690281	CB	270.69	X
529	1519401.584819	665097.821843	273.339235	WPF	273.34	X
530	1519410.979600	665091.636118	272.335526	H	272.34	X
531	1519408.591563	665071.389957	272.419879	H	272.42	X
532	1519422.462909	665121.050696	272.089197	MN	272.09	TRI
533	1519327.289831	665232.132913	288.467016	TOB	288.47	X
534	1519358.148110	665206.678508	288.307683	TOB	288.31	X
535	1519388.806001	665185.317576	288.017072	TOB	288.02	X
536	1519409.030629	665174.292472	288.067470	TOB	288.07	X
537	1519418.227529	665172.909621	285.657975	AUBT	285.66	X
538	1519416.162282	665173.197048	285.636768	AUBT	285.64	X
539	1519415.909462	665171.235685	287.320122	AUBT	287.32	X
540	1519409.222581	665133.488552	287.277607	AUBT	287.28	X
541	1519382.871898	665135.394398	280.301970	AUBT	280.30	X
542	1519392.382403	665145.859787	289.015196	TOB	289.02	X
543	1519366.287778	665161.913927	289.129323	TOB	289.13	X
544	1519339.025086	665178.098613	289.512868	TOB	289.51	X
545	1519314.561887	665202.627409	289.449297	TOB	289.45	X
546	1519298.857316	665215.210982	289.483408	TOB	289.48	X
547	1519343.685429	665237.133838	279.225038	BOB	279.23	X
548	1519376.880288	665210.561485	277.227665	BOB	277.23	X
549	1519406.513845	665194.972442	274.822884	BOB	274.82	X
550	1519340.677761	665097.567886	276.031341	H	276.03	X
551	1519345.188438	665096.264978	275.877188	S	275.88	X
552	1519346.117777	665103.147731	276.131243	S	276.13	X
553	1519353.047555	665102.224910	275.817215	S	275.82	X
554	1519353.741531	665097.466337	275.589775	H	275.59	X
555	1519352.240771	665086.369634	275.582084	H	275.58	X

556	1519353.351084	665070.863306	274.955383	H	274.96	X
557	1519338.289256	665060.522347	275.306702	H	275.31	X
558	1519343.487553	665151.870356	276.380509	BOB	276.38	X
559	1519380.825754	665156.491870	289.261809	MN	289.26	TRI
560	1519382.839538	665135.495000	280.317134	ABUT	280.32	X
561	1519368.578404	665142.646152	278.319643	ABUT	278.32	X
562	1519382.629472	665132.931419	274.624924	ABUT	274.62	X
563	1519360.700529	665097.384476	275.499519	H	275.50	X
564	1519383.866528	665121.238244	274.242614	WPFC	274.24	X
565	1519384.354770	665124.597731	274.243093	IR	274.24	X
566	1519422.863971	665185.541868	274.079427	ABUT	274.08	X
567	1519422.264871	665190.605061	274.247107	BOB	274.25	X
568	1519418.814707	665157.800561	273.027790	SEL	273.03	X
569	1519415.447637	665130.648607	273.138096	ABUT	273.14	X
570	1519413.775616	665120.367021	272.483726	IR	272.48	X
571	1519404.222653	665118.986070	273.269369	WPFC	273.27	X
572	1519422.154058	665088.427731	271.326191	WV	271.33	X
573	1519427.858571	665075.414235	268.655419	WV	268.66	X
574	1519429.301174	665051.656105	267.635325	WL	267.64	X
575	1519445.297693	665187.353401	271.463468	WL	271.46	X
576	1519292.589717	665113.084176	277.009817	WL	277.01	X
577	1519287.561522	665108.803707	276.935304	WL	276.94	X
578	1519278.806432	665034.217928	276.163541	WL	276.16	X
579	1519275.001205	665027.265375	276.478256	GL	276.48	X
580	1519277.742933	665062.371734	276.554215	GL	276.55	X
581	1519327.079895	665039.782713	274.612192	GL	274.61	X
582	1519326.181650	665020.523004	274.664973	GL	274.66	X
583	1519333.201119	665023.184004	274.216587	WL	274.22	X
584	1519333.518663	665034.438110	274.017946	WL	274.02	X
585	1519367.887948	665064.886352	274.361160	GL	274.36	X
586	1519368.052592	665043.041120	272.940577	GL	272.94	X
587	1519363.507624	665032.330138	272.317986	GL	272.32	X
588	1519359.444338	664992.621831	272.115450	GL	272.12	X
589	1519361.074631	664992.205666	271.938466	GV	271.94	X
590	1519440.841011	665058.518830	267.863849	SAN-MH	267.86	X
591	1519178.727101	665012.874338	279.157560	GL	279.16	X
592	1519172.025081	665030.082895	280.682035	GL	280.68	X
593	1519174.527495	665052.248356	279.928005	GL	279.93	X
594	1519167.634947	665051.168862	280.373521	WV	280.37	X
595	1519260.562692	665293.068709	288.888617	SS-6	288.89	SCIR
596	1519199.064685	665262.692780	288.357410	SS-4	288.36	SCIR

APPENDIX M

SURVEY DRAWING



LEGEND

MW	MONITORING WELL
SB	SOIL BORING
HA	HAND AUGER SAMPLE LOCATION
SS	SURFACE SOIL SAMPLE LOCATION
	EDGE OF GRAVEL
	CHAIN LINK FENCE
	WOOD FENCE
	UTILITY POLE
OHW	OVERHEAD UTILITY WIRE(S)
W	UNDERGROUND WATER LINE
WV	WATER VALVE
G	UNDERGROUND GAS LINE
SMH	SANITARY SEWER MANHOLE
TMH	TELEPHONE MANHOLE
CB	CATCH BASIN
283.0	SPOT ELEVATION
	ELEVATION BREAK LINE
	PROPERTY LINE (PER TAX MAPS)

NOTES:

1. DATUM: NAD83, NAVD88
2. COORDINATE SYSTEM: NEW YORK STATE PLANE EAST ZONE, FEET
3. SURVEY DATES: JUNE 6, 2013; MAY 7, 2014

REVISIONS
5/8/2014 ADDED MW-7 THRU MW-10 AND HA-6 THRU HA-11

VALLEY COTTAGE — YEC, INC. — NEW YORK

OLD AGWAY STORE SITE SURVEY

VILLAGE OF BALLSTON SPA
SARATOGA COUNTY, NEW YORK

DATE:	SCALE:	DRAWN BY:	CHECKED BY:	JOB NO.
JUNE 2013	1" = 20'	MBW	JD	A0470

APPENDIX N

TAX MAP AND ZONING CODES

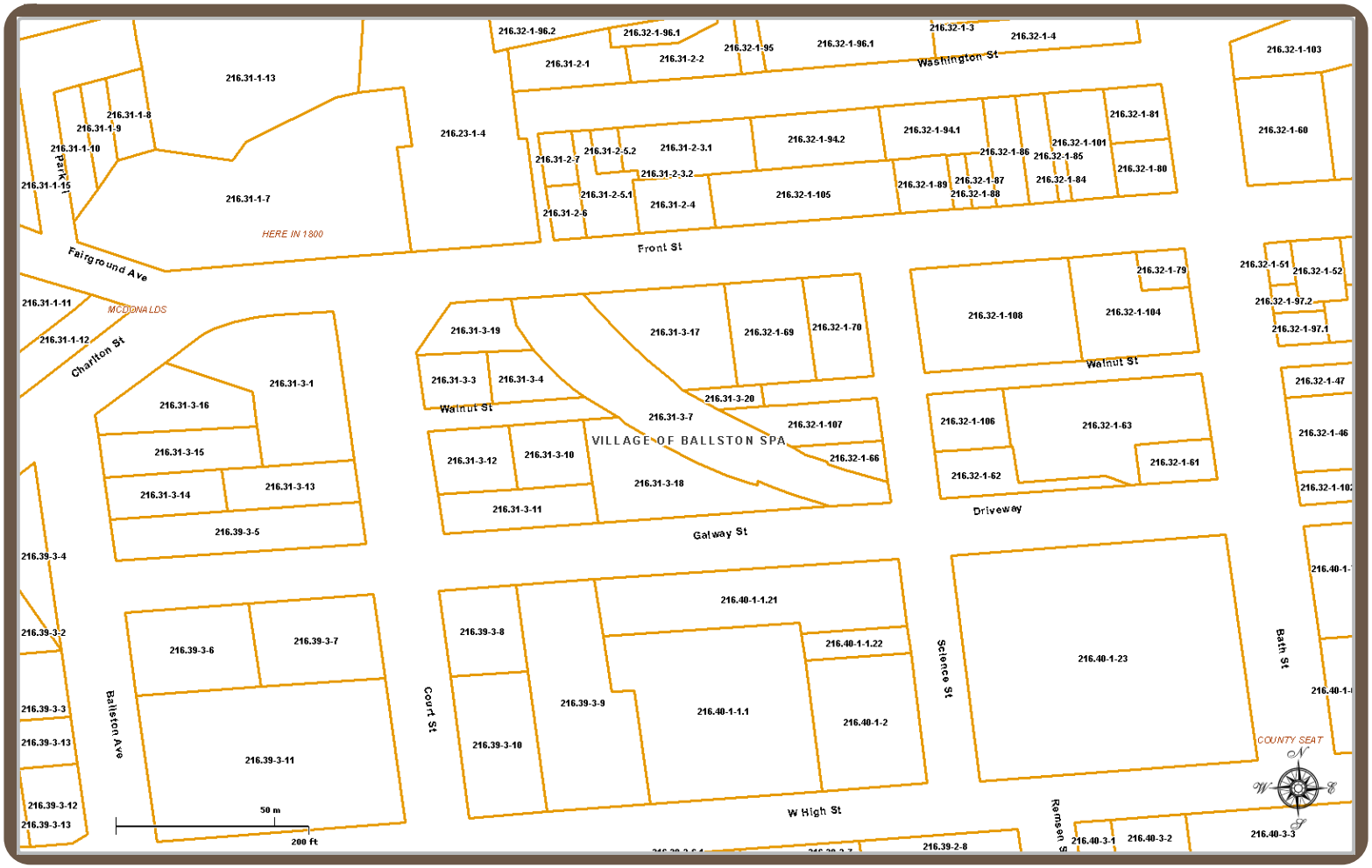
Old Agway County Map

Legend

- County
- Municipal Boundaries
- Parcels

Local Roads

- Local
- County and State Hwy
- Interstate and US Hwy



Disclaimer: This map was prepared by the Saratoga County Internet Geographic Information System (GIS). The map was compiled using the most current GIS data available. The aerial photography (orthoimagery) was prepared by the N.Y.S. Office of Cyber Security and Critical Infrastructure Coordination during the year 2001-2007. Parcel and municipal boundaries are derived from tax maps and do not represent a land survey.

September 18, 2013

Saratoga County

SDG Image Mate Online

Navigation | GIS Map | Tax Maps | ORPS Links | Assessment Info | Help | Log In

Commercial

- Property Info
- Owner/Sales
- Inventory
- Improvements
- Tax Info
- Report
- Comparables

Notes

- View Notes

Municipality of V. Ballston Spa, Milton

SWIS:	414201	Tax ID:	216.31-3-18

Old Agway Store Property

Tax Map ID / Property Data

Status:	Active	Roll Section:	Taxable
Address:	Galway St		
Property Class:	330 - Vacant comm	Site Property Class:	330 - Vacant comm
Site:	Com 1	In Ag. District:	No
Zoning Code:	CBD -	Bldg. Style:	Not Applicable
Neighborhood:	42061 -	School District:	Ballston Spa
Legal Property Description:	Legal description not given for property		
Total Acreage/Size:	0.29	Equalization Rate:	----
Land Assessment:	[redacted]	Total Assessment:	[redacted]
Full Market Value:	[redacted]		
Deed Book:	1544	Deed Page:	381
Grid East:	665233	Grid North:	1519213

Special Districts for 2013

Description	Units	Percent	Type	Value
AD002-Bal/spa ambulance	0	0%		0

Photographs

No Photo Available

Maps

- View Tax Map
- Pin Property on GIS Map
- View in Google Maps
- View in Yahoo! Maps
- View in Bing Maps

Map Disclaimer

Saratoga County

SDG Image Mate Online

Navigation | GIS Map | Tax Maps | ORPS Links | Assessment Info | Help | Log In

Commercial

Property Info
Owner/Sales
Inventory
Improvements
Tax Info
Report
Comparables

Notes

View Notes

Municipality of V. Ballston Spa, Milton

SWIS:	414201	Tax ID:	216.31-3-7

Rail Bed

Tax Map ID / Property Data

Status:	Active	Roll Section:	Taxable
Address:	Walnut St		
Property Class:	330 - Vacant comm	Site Property Class:	330 - Vacant comm
Site:	Com 1	In Ag. District:	No
Zoning Code:	CBD -	Bldg. Style:	Not Applicable
Neighborhood:	42061 -	School District:	Ballston Spa
Legal Property Description:	Also P/o Walnut St Also Page 1543 Book 659		
Total Acreage/Size:	0.51	Equalization Rate:	----
Land Assessment:	[redacted]	Total Assessment:	[redacted]
Full Market Value:	[redacted]		
Deed Book:	2013	Deed Page:	1679
Grid East:	665263	Grid North:	1519270

Special Districts for 2013

Description	Units	Percent	Type	Value
AD002-Bal/spa ambulance	0	0%		0

Photographs

No Photo Available

Maps

View Tax Map
Pin Property on GIS Map
View in Google Maps
View in Yahoo! Maps
View in Bing Maps

Map Disclaimer

Saratoga County

SDG Image Mate Online

Municipality of V. Ballston Spa, Milton

SWIS:	414201	Tax ID:	216.31-3-10

South side of Walnut Street

Tax Map ID / Property Data

Status:	Active	Roll Section:	Taxable
Address:	69 Walnut St		
Property Class:	210 - 1 Family Res	Site Property Class:	210 - 1 Family Res
Site:	Res 1	In Ag. District:	No
Zoning Code:	R-2 -	Bldg. Style:	Old style
Neighborhood:	42061 -	School District:	Ballston Spa
Legal Property Description:	Life Estate		
Total Acreage/Size:	0.10	Equalization Rate:	----
Land Assessment:	[redacted]	Total Assessment:	[redacted]
Full Market Value:	[redacted]		
Deed Book:	1399	Deed Page:	718
Grid East:	665150	Grid North:	1519234

Special Districts for 2013

Description	Units	Percent	Type	Value
AD002-Bal/spa ambulance	0	0%		0

Photographs

(Click on photo to enlarge it.)



Photo

Saratoga County

SDG Image Mate Online

Navigation | GIS Map | Tax Maps | ORPS Links | Assessment Info | Help | Log In

Residential

Property Info
Owner/Sales
Inventory
Improvements

Tax Info

Report
Comparables

Notes

View Notes

Municipality of V. Ballston Spa, Milton

SWIS:	414201	Tax ID:	216.31-3-4

North side of Walnut Street

Tax Map ID / Property Data

Status:	Re-Activated	Roll Section:	Taxable
Address:	70 Walnut St		
Property Class:	210 - 1 Family Res	Site Property Class:	210 - 1 Family Res
Site:	Res 1	In Ag. District:	No
Zoning Code:	R-2 -	Bldg. Style:	Ranch
Neighborhood:	42061 -	School District:	Ballston Spa
Legal Property Description:	Legal description not given for property		
Total Acreage/Size:	0.07	Equalization Rate:	----
Land Assessment:	[redacted]	Total Assessment:	[redacted]
Full Market Value:	[redacted]		
Deed Book:	1248	Deed Page:	412
Grid East:	665129	Grid North:	1519324

Special Districts for 2013

Description	Units	Percent	Type	Value
AD002-Bal/spa ambulance	0	0%		0

Photographs

(Click on photo to enlarge it.)



Photo

Maps

View Tax Map
Pin Property on GIS Map
View in Google Maps
View in Yahoo! Maps
View in Bing Maps

Map Disclaimer

Saratoga County

Image Mate Online

Navigation | GIS Map | Tax Maps | ORPS Links | Assessment Info | Help | Log In

Residential

Property Info
Owner/Sales
Inventory
Improvements

Tax Info

Report
Comparables

Notes

View Notes

Municipality of V. Ballston Spa, Milton

SWIS:	414201	Tax ID:	216.31-3-11

Intersection of Court and Galway Streets

Tax Map ID / Property Data

Status:	Active	Roll Section:	Taxable
Address:	24 Court St		
Property Class:	210 - 1 Family Res	Site Property Class:	210 - 1 Family Res
Site:	Res 1	In Ag. District:	No
Zoning Code:	R-2 -	Bldg. Style:	Old style
Neighborhood:	42061 -	School District:	Ballston Spa
Legal Property Description:	Legal description not given for property		
Total Acreage/Size:	0.13	Equalization Rate:	----
Land Assessment:	[redacted]	Total Assessment:	[redacted]
Full Market Value:	[redacted]		
Deed Book:	2007	Deed Page:	34390
Grid East:	665125	Grid North:	1519176

Special Districts for 2013

Description	Units	Percent	Type	Value
AD002-Bal/spa ambulance	0	0%		0

Photographs

(Click on photo to enlarge it.)



Photo

Maps

View Tax Map
Pin Property on GIS Map
View in Google Maps
View in Yahoo! Maps
View in Bing Maps

Map Disclaimer

Saratoga County

SDG Image Mate Online

Navigation | GIS Map | Tax Maps | ORPS Links | Assessment Info | Help | Log In

Residential

Property Info
Owner/Sales
Inventory
Improvements

Tax Info

Report
Comparables

Notes

View Notes

Municipality of V. Ballston Spa, Milton

SWIS:	414201	Tax ID:	216.31-3-12

Court Street, South side of Walnut Street

Tax Map ID / Property Data

Status:	Re-Activated	Roll Section:	Taxable
Address:	30 Court St		
Property Class:	220 - 2 Family Res	Site Property Class:	220 - 2 Family Res
Site:	Res 1	In Ag. District:	No
Zoning Code:	R-2 -	Bldg. Style:	Old style
Neighborhood:	42061 -	School District:	Ballston Spa
Legal Property Description:	Legal description not given for property		
Total Acreage/Size:	0.11	Equalization Rate:	----
Land Assessment:	[redacted]	Total Assessment:	[redacted]
Full Market Value:	[redacted]		
Deed Book:	1485	Deed Page:	14
Grid East:	665087	Grid North:	1519229

Special Districts for 2013

Description	Units	Percent	Type	Value
AD002-Bal/spa ambulance	0	0%		0

Photographs

(Click on photo to enlarge it.)



Photo

Maps

View Tax Map
Pin Property on GIS Map
View in Google Maps
View in Yahoo! Maps
View in Bing Maps

Map Disclaimer

Saratoga County

Image Mate Online

Navigation | GIS Map | Tax Maps | ORPS Links | Assessment Info | Help | Log In

Residential

Property Info
Owner/Sales
Inventory
Improvements

Tax Info

Report
Comparables

Notes

View Notes

Municipality of V. Ballston Spa, Milton

SWIS:	414201	Tax ID:	216.31-3-3

Court Street, North side of Walnut Street

Tax Map ID / Property Data

Status:	Re-Activated	Roll Section:	Taxable
Address:	34 Court St		
Property Class:	210 - 1 Family Res	Site Property Class:	210 - 1 Family Res
Site:	Res 1	In Ag. District:	No
Zoning Code:	R-2 -	Bldg. Style:	Old style
Neighborhood:	42061 -	School District:	Ballston Spa
Legal Property Description:	Legal description not given for property		
Total Acreage/Size:	0.08	Equalization Rate:	----
Land Assessment:	[redacted]	Total Assessment:	[redacted]
Full Market Value:	[redacted]		
Deed Book:	1765	Deed Page:	306
Grid East:	665075	Grid North:	1519323

Special Districts for 2013

Description	Units	Percent	Type	Value
AD002-Bal/spa ambulance	0	0%		0

Photographs

(Click on photo to enlarge it.)



Photo

Maps

View Tax Map
Pin Property on GIS Map
View in Google Maps
View in Yahoo! Maps
View in Bing Maps

Map Disclaimer

Saratoga County

SDG Image Mate Online

Navigation | GIS Map | Tax Maps | ORPS Links | Assessment Info | Help | Log In

Residential

Property Info
Owner/Sales
Inventory
Improvements

Tax Info

Report
Comparables

Notes

View Notes

Municipality of V. Ballston Spa, Milton

SWIS:	414201	Tax ID:	216.31-3-19

Intersection of Court and Front Streets

Tax Map ID / Property Data

Status:	Active	Roll Section:	Taxable
Address:	40 Court St		
Property Class:	210 - 1 Family Res	Site Property Class:	210 - 1 Family Res
Site:	Res 1	In Ag. District:	No
Zoning Code:	R-2 -	Bldg. Style:	Old style
Neighborhood:	42061 -	School District:	Ballston Spa
Legal Property Description:	Legal description not given for property		
Total Acreage/Size:	0.10	Equalization Rate:	----
Land Assessment:	[redacted]	Total Assessment:	[redacted]
Full Market Value:	[redacted]		
Deed Book:	2010	Deed Page:	18234
Grid East:	665096	Grid North:	1519382

Special Districts for 2013

Description	Units	Percent	Type	Value
AD002-Bal/spa ambulance	0	0%		0

Photographs

(Click on photo to enlarge it.)



Photo

Maps

View Tax Map
Pin Property on GIS Map
View in Google Maps
View in Yahoo! Maps
View in Bing Maps

Map Disclaimer

Saratoga County

SDG Image Mate Online

Navigation | GIS Map | Tax Maps | ORPS Links | Assessment Info | Help | Log In

Commercial

Property Info
Owner/Sales
Inventory
Improvements
Tax Info
Report
Comparables

Notes

View Notes

Municipality of V. Ballston Spa, Milton

SWIS:	414201	Tax ID:	216.31-3-20

East of rail bed, at end of Walnut from Science Street

Tax Map ID / Property Data

Status:	Active	Roll Section:	Taxable
Address:	Walnut St		
Property Class:	330 - Vacant comm	Site Property Class:	330 - Vacant comm
Site:	Com 1	In Ag. District:	No
Zoning Code:	CBD -	Bldg. Style:	Not Applicable
Neighborhood:	42061 -	School District:	Ballston Spa
Legal Property Description:	Legal description not given for property		
Total Acreage/Size:	0.03	Equalization Rate:	----
Land Assessment:	[redacted]	Total Assessment:	[redacted]
Full Market Value:	[redacted]		
Deed Book:	1538	Deed Page:	110
Grid East:	665316	Grid North:	1519302

Special Districts for 2014

Description	Units	Percent	Type	Value
AD002-Bal/spa ambulance	0	0%		0

Photographs

No Photo Available

Documents

No documents found for this parcel

Maps

View Tax Map
Pin Property on GIS Map
View in Google Maps
View in Yahoo! Maps
View in Bing Maps

Map Disclaimer

Saratoga County

SDG Image Mate Online

Navigation | GIS Map | Tax Maps | ORPS Links | Assessment Info | Help | Log In

Commercial

Property Info
Owner/Sales
Inventory
Improvements
Tax Info
Report
Comparables

Notes

View Notes

Municipality of V. Ballston Spa, Milton

SWIS:	414201	Tax ID:	216.32-1-107

East of rail bed, at intersection of Science and Walnut Streets

Tax Map ID / Property Data

Status:	Active	Roll Section:	Wholly Exem
Address:	Science St		
Property Class:	438 - Parking lot	Site Property Class:	438 - Parking lot
Site:	Com 1	In Ag. District:	No
Zoning Code:	CBD -	Bldg. Style:	Not Applicable
Neighborhood:	42061 -	School District:	Ballston Spa
Legal Property Description:	also book 502 pg 193		
Total Acreage/Size:	0.12	Equalization Rate:	----
Land Assessment:	[redacted]	Total Assessment:	[redacted]
Full Market Value:	[redacted]		
Deed Book:	2013	Deed Page:	9108
Grid East:	665400	Grid North:	1519275

Special Districts for 2014

Description	Units	Percent	Type	Value
AD002-Bal/spa ambulance	0	0%	E	0

Photographs

No Photo Available

Documents

No documents found for this parcel

Maps

View Tax Map
Pin Property on GIS Map
View in Google Maps
View in Yahoo! Maps
View in Bing Maps

Map Disclaimer

Saratoga County

SDG Image Mate Online

Navigation | GIS Map | Tax Maps | ORPS Links | Assessment Info | Help | Log In

Commercial

Property Info
Owner/Sales
Inventory
Improvements
Tax Info
Report
Comparables

Notes

View Notes

Municipality of V. Ballston Spa, Milton

SWIS:	414201	Tax ID:	216.32-1-66

East of rail bed, near intersection of Science and Galway Streets

Tax Map ID / Property Data

Status:	Active	Roll Section:	Taxable
Address:	3 Science St		
Property Class:	457 - Small Retail	Site Property Class:	457 - Small Retail
Site:	Com 1	In Ag. District:	No
Zoning Code:	CBD -	Bldg. Style:	Not Applicable
Neighborhood:	42061 -	School District:	Ballston Spa
Legal Property Description:	Legal description not given for property		
Total Acreage/Size:	0.06	Equalization Rate:	----
Land Assessment:	[redacted]	Total Assessment:	[redacted]
Full Market Value:	[redacted]		
Deed Book:	2013	Deed Page:	1679
Grid East:	665424	Grid North:	1519236

Special Districts for 2014

Description	Units	Percent	Type	Value
AD002-Bal/spa ambulance	0	0%		0

Photographs

(Click on photo to enlarge it.)



Photo 1 of 2 ← →

Documents

No documents found for this parcel

Maps

View Tax Map
Pin Property on GIS Map
View in Google Maps
View in Yahoo! Maps
View in Bing Maps

APPENDIX O

DATA USABILITY SUMMARY REPORTS

(On Compact Disk)

DATA USABILITY SUMMARY REPORT

OLD AGWAY STORE REMEDIAL INVESTIGATION – PHASE 1
WORK ASSIGNMENT NO. D007622-17
SITE ID# 546021
BALLSTON SPA
SARATOGA COUNTY, NEW YORK

Analyses Performed by:

H2M LABS, INC.
MELVILLE, NEW YORK

Prepared for:

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION

Prepared by:

URS CORPORATION
77 GOODELL STREET
BUFFALO, NY 14203

OCTOBER 2013

TABLE OF CONTENTS

Page No.

I. INTRODUCTION 1

II. ANALYTICAL METHODOLOGIES and data validation procedures 1

III. DATA DELIVERABLE COMPLETENESS 3

IV. SAMPLE RECEIPT/ PRESERVATION/HOLDING TIMES 3

V. NON-CONFORMANCES 4

VI. SAMPLE RESULTS AND REPORTING 12

VII. SUMMARY 13

TABLES

(Following Text)

Table 1 Summary of Data Qualifications

Table 2 Validated Soil Sample Analytical Results

Table 3 Validated Groundwater Sample Analytical Results

Table 4 Validated Field QC Sample Analytical Results

ATTACHMENTS

Attachment A – Support Documentation

I. INTRODUCTION

This Data Usability Summary Report (DUSR) has been prepared following the guidelines provided in New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation *DER-10 Technical Guidance for Site Investigation and Remediation*, Appendix 2B - *Guidance for Data Deliverables and the Development of Data Usability Summary Reports,* May 2010.

II. ANALYTICAL METHODOLOGIES AND DATA VALIDATION PROCEDURES

The data being evaluated are from the May 13-23, 2013 sampling of 127 soil samples (surface, subsurface and hand-auger), 2 field duplicates, 2 matrix spike/matrix spike duplicate (MS/MSD) pairs, and 7 equipment rinsate blanks; and the June 6-7, 2013 sampling of 6 groundwater, 1 field duplicate, 1 MS/MSD pair, and 2 trip blanks. The analytical laboratory that performed the analyses is H2M Labs, Inc. located in Melville, NY. The samples were analyzed for the following parameters. Due to insufficient soil sample volume, not all samples were analyzed for all parameters, plus field duplicates and MS/MSDs could not be collected at the appropriate frequency (i.e., 1 per 20 samples).

Matrix	**Parameter**	**Method**
Soil/Groundwater	Target Compound List (TCL) Volatile Organic Compounds (VOCs) plus Tentatively Identified Compounds (TICs)	SW8260B
	TCL Semivolatile Organic Compounds (SVOCs) plus TICs	SW8270C
	TCL Organophosphorous (OP) Pesticides	SW8141A
	TCL Organochlorine (OC) Pesticides	SW8081A
	TCL Polychlorinated Biphenyls (PCBs)	SW8082
	TCL Herbicides	SW8151B
	Target Analyte List (TAL) Metals	SW6010B\7471A/7470A

A limited data validation was performed following the guidelines in the following USEPA Region II documents:

- *Validating Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry, SW-846 Method 8260B*, SOP HW-24, Rev. 2, August 2008;
- *Validating Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry, SW-846 Method 8270D*, SOP HW-22, Rev. 4, August 2008;
- *Validating Pesticide Compounds, Organochlorine Pesticidess by Gas Chromatography SW-846 Method 8081B,* SOP HW-44, Rev. 1, October 2006;
- *Validating PCB Compounds PCBs by Gas Chromatography SW-846 Method 8082A,* SOP HW-45, Rev. 1, October 2006;
- *Validating Chlorinated Herbicides by Gas Chromatography SW-846 Method 8151A,* SOP HW-45, Rev. 2, September 2006;
- *ICP-AES Data Validation*, SOP HW-2a, Rev. 15, December 2012; and
- *Mercury and Cyanide Data Validation*, SOP HW-2c, Rev. 15, December 2012.

Note, solid and aqueous investigation derived waste (IDW) samples were also collected for disposal purposes only during this RI, thus, the data were not validated and are not included in this DUSR.

Qualifications applied to the data during the limited data validation include 'R' (rejected), 'NJ' (tentatively identified, approximate concentration), 'J' (estimated concentration), 'J+' (estimated concentration, biased high), and 'UJ' (estimated quantitation limit). Definitions of USEPA data qualifiers are presented at the end of this text. A summary of data qualifications is presented on Table 1. The validated analytical results are presented on Table 2 (soil), Table 3 (groundwater), and Table 4 (field QC). Documentation supporting the qualification of data is presented in Attachment A. Only analytical deviations affecting data usability are discussed in this report.

III. DATA DELIVERABLE COMPLETENESS

The laboratory deliverable data packages were equivalent to NYSDEC Analytical Services Protocol (ASP) Category B requirements.

IV. SAMPLE RECEIPT/ PRESERVATION/HOLDING TIMES

All samples were received by the laboratory intact, properly preserved and under proper chain-of-custody, except for the following instances.

- The cooler temperatures associated with several soil samples were above QC limits (i.e., 4°C ± 2°C), and ranged from 7.7° C to 18.1°C. The data validation guidelines only require qualification for cooler temperatures above 10°C. However, since the data validation could not determine which samples were specifically above 10°C, all soil samples and associated field QC (rinsate blanks) received within the above reference range (for VOCs only) were qualified 'J' or 'UJ' (see COCs in Attachment A for affected samples). Using professional judgment, soil data for the other fractions (i.e., SVOCs, pesticides, PCBs, herbicides, and metals) were not qualified based on this non-conformance because of their persistent nature in soils. Furthermore, rinsate blank data for these other fractions were also not qualified since they were not expected to exhibit contamination.

- The field technician did not designate soil MS/MSD or field duplicate analyses on the COCs at the appropriate frequency (1 per 20 samples) due to limited sample volume. However, the laboratory was able to perform MS/MSD analyses on some site-specific samples. As a result, matrix accuracy and precision could not be properly evaluated on all analytical batches. No further qualification of the data was necessary.

- Two 1-liter amber bottles for rinsate blank RB-4 were received at the laboratory broken. Sufficient sample volume remained for all required analyses.

- The field technician inadvertently collected surface soil SS-4 on two successive days i.e., May 22 and 23, 2013. Therefore, there are two set of results for this surface soil location. In addition, surface soil SS-6 was misidentified on the COC as SS-6-DUP

during the same sampling period. No field duplicate was collected at this surface soil location.

All samples were analyzed within the required holding times, except for the following instances.

- The pesticide/PCB re-extraction of rinsate blank RB-3 was performed 21 days outside holding time (i.e., 7 days from collection). Since the re-extraction occurred more than 2 times past holding time criteria, the results are considered unusable and not reported on Table 5.

- The pesticide/PCB re-extraction of rinsate blank RB-6 was performed 6 days outside holding time (i.e., 7 days from collection). The re-extracted results were qualified 'J' or 'UJ'.

V. NON-CONFORMANCES

- **Surrogates**

  The percent recovery (%R) of VOC surrogate 4-bromofluorobenzene was below QC limits in the soil sample listed on Table 1. The sample was re-analyzed with similar result, indicating matrix interference. The VOCs results in this sample have been qualified 'J' or 'UJ'.

  The %Rs of VOC surrogate 4-bromofluorobenzene was less than 10% in the soil sample listed on Table 1. The sample was re-analyzed with similar result, indicating matrix interference. The non-detect VOCs results in this sampls have been rejected and qualified 'R'.

  Note, other VOC soil samples exhibited surrogate outliers, but the results were previously qualified due to cooler temperature exceedances.

  The %R of OC pesticide surrogate dichlorobiphenyl (DCB) and/or tetrachloro-m-xylene (TCX) were above QC limits on one or both columns in the soil and rinsate blank samples listed on Table 1. The OC pesticide results from the affected column

(not previously qualified 'NJ' or 'R') in these soil/field QC samples have been qualified 'J'.

The %R of OC pesticide surrogate DCB was below QC limits on one or both columns in the soil samples listed on Table 1. The OC pesticide results from the affected column in these soil samples have been qualified 'J'.

The %R of PCB surrogate DCB was below QC limits on both columns in the rinsate blank samples listed on Table 1. The PCB results in these field QC samples have been qualified 'UJ'.

The %R of herbicide surrogate 2,4-dichlorophenylacetic acid (DCAA) was above QC limits on the primary columns in the soil samples listed on Table 1. The detected herbicide results from the affected column (not previously qualified 'NJ' or 'R') in these soil samples have been qualified 'J'.

The %R of herbicide surrogate DCAA was below QC limits on both columns in the rinsate blank samples listed on Table 1. The non-detect herbicide results in these field QC samples have been qualified 'UJ'.

- **Instrument Calibration**

  Average relative response factor (RRF) in the soil initial calibrations (ICAL) for VOC 1,2-dibromo-3-chloropropane was less than 0.05. The non-detect results were qualified 'R' for the soil and rinsate blank samples listed in Table 1.

  The relative standard deviation (%RSD) in the ICALs exceeded the QC limit of 20% for one or more of the following SVOCs: atrazine and/or benzaldehyde. The detected results for these compounds in the associated soil samples listed on Table 1 were qualified 'J'. Note, the laboratory applied linear regression and quadratic functions to the above referenced compounds in an attempt to achieve acceptable calibration, but the correlation coefficients were <0.990. As a result, the average RRF was used to quantitate the results, which should be considered estimated values.

  The percent difference (%D) between the ICAL average RRF and the RRF in one or more of the continuing calibration (CCAL) standards associated with the soil samples exceeded the QC limit of 20% for one or more of the following VOCs: 1,2-

dichloroethane, 1,2-dibromo-3-chloropropane, cis-1,3-dichloropropene, trans-1,3-dichloropropene, 1,1,2-trichloroethane, 1,2,4-trichlorobenzene, 2-butanone, 2-hexanone, 1,1,2,2-tetrachloroethane, 4-methyl-2-pentanone, acetone, bromoform, bromomethane, dibromochloromethane, dichlorodifluoromethane, methylacetate, and/or methyl-t-butyl ether, The results for these compounds in the associated soil samples listed on Table 1 were qualified 'J' or 'UJ'.

The %D between the ICAL average RRF and the RRF in one or more of the CCAL standards associated with the rinsate/trip blanks and groundwater samples exceeded the QC limit of 20% for one or more of the following VOCs: 1,1,2-trichloro-1,2,2-trifluoroethane, 1,1-dichloroethane, 1,1-dichloroethane, 1,2-dibromo-3-chloropropane, 2-butanone, 1,1,2,2-tetrachloroethane, bromoform, bromomethane, chloromethane, cyclohexane, carbon disulfide, dibromochloromethane, dichlorodifluoromethane, isopropylbenzene, methyl acetate, methylcyclohexane, tetrachloroeethene, and/or trichlorofluoromethane. The results for these compounds in the associated rinsate blank samples listed on Table 1 were qualified 'J' or 'UJ'.

Note, other VOC soil and rinsate blank samples exhibited CCAL outliers, but the results were previously qualified due to cooler temperature exceedances.

The %D between the ICAL average RRF and the RRF in one or more of the CCAL standards associated with the soil, aqueous, and rinsate blank samples exceeded the QC limit of 20% for one or more of the following SVOCs: 2,2'-oxybis(1-chloropropane), acetophenone, benzaldehyde, 2,4-dimethylphenol, 4-nitrophenol, hexachlorocyclopentadiene, and/or n-nitroso-di-n-propylamine. The results for these compounds in the associated groundwater samples listed on Table 1 have been qualified 'J' or 'UJ'.

For the OP pesticide ICAL analyzed on 05/22/13, the laboratory only performed a 4-point calibration for dimethoate and famphur by omitting the high-point standard (other compounds had method required 5-point calibrations). Since neither compound was detected in the associated samples, omitting the high-point calibration standard does not significantly jeopardize the usability of the non-detect data, hence, no qualification of the data was necessary.

- **Matrix Spikes/Matrix Duplicates (MS/MD)**

  The SVOC MS/MSD performed on soil sample MW-2 (0-2) exhibited poor %Rs (<10%) for 2,4-dinitrophenol and 4,6-dinitro-2-methylphenol. The results for these compounds in this sample have been qualified 'R' (rejected), as listed on Table 1.

  The metals MS performed on soil sample HA-1 (1-2) was below QC limits for zinc (Zn). The Zn results for the associated soil samples listed on Table 1 have been qualified 'J'.

  The metals MS performed on soil sample SB-3 (0-2) was above QC limits for mercury (Hg) and below QC limits for selenium (Se). The Hg and Se results for the associated soil samples listed on Table 1 have been qualified 'J' or 'UJ'.

  The metals MS performed on soil samples MW-5 (6-8) and SB-1 (0-2) were below QC limits for Se. The Se results for the associated soil samples listed on Table 1 have been qualified 'J' or 'UJ'.

  The metals MSs performed on soil samples HA-3 (1-1.5) and SS-4S were below QC limit for manganese (Mn). The Mn results for the associated soil samples listed on Table 1 have been qualified 'J'.

  The metals MS performed on soil sample SB-3 (14-16) was below QC limits for barium (Ba) and Se (<10%). The post-digestion spike recovery for Se was within QC limits. The Ba and Se results for the associated soil samples listed on Table 1 have been qualified 'J' or 'UJ'.

  The metals MS performed on soil sample SB-5 (14-16) was below QC limits for Se and above QC limits for lead (Pb). The post-digestion spike recovery for Se was within QC limits, but the recovery was above QC limits for Pb. The Se results for the associated soil samples listed on Table 1 have been qualified 'J' or 'UJ', while the detected Pb results were qualified 'J+'.

  The metals MS performed on groundwater sample MW-4 was below QC limit for Se. The Se results for the associated groundwater samples listed on Table 1 have been qualified 'UJ'.

The metals MD performed on soil sample SB-1 (0-2) was above the relative percent difference (RPD) QC limit of 35% (for sample and duplicate values >5x QL) for Mn. The Mn results in the associated soil samples listed on Table 1 have been qualified 'J'.

The metals MD performed on soil sample SS-4 was above the RPD QC limit of 35% (for sample and duplicate values >5x QL) for copper (Cu), Pb, and Mg. The Cu, Pb, Mg results in the associated soil samples listed on Table 1 have been qualified 'J'.

The metals MD performed on soil sample SB-3 (14-16) was above the RPD QC limit of 35% for Pb and nickel (Ni); and the absolute %D was >QL (for sample and/or duplicate values ≤QL) for Cu. The Pb, Ni, and Cu results in the associated soil samples listed on Table 1 have been qualified 'J' or 'UJ'.

- **Laboratory Control Samples (LCS)**

  The soil VOC LCS was below QC limits for tetrachloroethene. The non-detect results for this compound in the associated soil samples listed on Table 1 have been qualified 'UJ'. Note, other VOC soil samples are associated with the LCS outliers, but the results were previously qualified due to cooler temperature exceedances.

  The aqueous VOC LCSs were below QC limits for 1,1,2-trichloro-1,2,2-trifluoroethane and/or bromomethane. The non-detect results for these compound in the associated aqueous samples listed on Table 1 have been qualified 'UJ'.

  The soil SVOC LCSs were below QC limits for acetophenone and/or 2,4-dimethylphenol. The non-detect results for these compounds in the associated soil samples listed on Table 1 have been qualified 'J' or 'UJ'.

  The aqueous SVOC LCS was below QC limits for 2,2'-oxybis(1-chloropropane). The non-detect results for this compound in the associated aqueous samples listed on Table 1 have been qualified 'UJ'.

  The soil herbicide LCSs were below QC limits for picrolam. The results for this compound in the associated soil samples listed on Table 1 have been qualified 'J' or 'UJ'.

The aqueous herbicide LCSs were below QC limits for picrolam, 2,4-D, and/or 2,4-DB. The results for these compounds in the associated rinsate blank samples listed on Table 1 have been qualified 'UJ'.

- **Serial Dilutions**

  The serial dilution performed on hand-auger sample HA-1 (1-2) exceeded the QC limit of 15% for Cu. The detected Cu results in the associated hand-auger samples listed on Table 1 have been qualified 'J'.

  The serial dilution performed on soil sample SB-3 (0-2) exceeded the QC limit of 15% for Cu and potassium (K). The detected Cu and K results in the associated soil samples listed on Table 1 have been qualified 'J'.

  The serial dilution performed on groundwater sample MW-4 exceeded the QC limit of 15% for K. The detected K results in the associated groundwater samples listed on Table 1 have been qualified 'J'.

- **Method Blanks**

  Acetone was detected below the quantitation limit (QL) in the VOC method blanks associated with the soil samples listed on Table 1. Those samples that had concentrations of acetone less than the QL have been qualified 'U' at the QL.

  Bis-(2-ethylhexyl)phthalate was detected below the QL in the SVOC method blank associated with the soil and aqueous samples listed on Table 1. Those samples that had concentrations of this compound less than the QL have been qualified 'U' at the QL.

  Dicamba was detected below the QL in the herbicide method blank associated with the soil samples listed on Table 1. Those samples that had concentrations of this compound less than the QL have been qualified 'U' at the QL.

- **Initial and Continuing Calibration Blanks**

  Aluminum (Al), antimony (Sb), beryllium (Be), cadmium (Cd), chromium (Cr), mercury (Hg), nickel (Ni), K, silver (Ag), sodium (Na), and/or Zn were detected above the method detection limit (MDL), but below the QL in the initial and/or continuing calibration blanks (ICB/CCB) associated with the soil and aqueous samples listed on

Table 1. Those samples that had concentrations of these metals less than the QL were qualified 'U' at the detected values.

- **Rinsate Blanks**

  Lead (Pb), K, and/or Se were detected above the QL in the rinsate blanks associated with the soil samples listed on Table 1. Those samples that had concentrations of these metals less than the QL or rinsate blank concentration were qualified 'U' at the detected values; while detected sample results above the QL, but less than 10x the rinsate blank concentration were qualified 'J'.

  Copper (Cu) was detected below the QL in the rinsate blanks associated with the soil samples listed on Table 1. Those samples that had concentrations of this metal less than the QL were qualified 'U' at the detected values.

- **Internal Standards (VOCs and SVOCs only)**

  The %Rs of VOC internal standard (IS) chlorobenzene-d_5 was <10% in the soil samples listed on Table 1. The samples were re-analyzed with similar IS results, thus indicating matrix interference. The non-detect and detected VOCs associated with the IS outlier in these samples have been qualified 'R' and 'J', respectively.

  The %Rs of SVOC ISs chrysene-d_{10} and/or perylene-d_{12} were below QC limits in the soil samples listed on Table 1. The samples were re-analyzed at secondary dilutions, so the presence of matrix interference could not be substantiated. The SVOCs associated with the IS outliers in these samples have been qualified 'J' or 'UJ', as listed on Table 1.

- **Chromatography**

  The %Ds between the dual-column analyses for the soil samples exceeded QC limits (>25%) for one or more of the following OC/OP pesticides and/or herbicides: 2,4,5-T, 2,4,5-TP (silvex), 2,4-D, 2,4-DB, 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, alpha-BHC, beta-BHC, delta-BHC, gamma-BHC, alpha-chlordane, gamma-chlordane dicamba, dieldrin, dimethoate, dinoseb, endosulfan I, endosulfan II, endosulfan sulfate, endrin, endrin aldehyde, endrin ketone, heptachlor, heptachlor epoxide, methoxychlor, and/or picrolam. The OP/OC pesticides and herbicides results for the affected soil samples

have been qualified 'J', 'NJ', 'U', or 'R' in accordance with the following validation guidelines.

Parameter	% Difference	Qualifier
OC/OP Pesticides	0 – 25%	none
	26-70%	'J'
	71-100%	'NJ'
	101-200% (interference detected)	'NJ'
	>50% (value is < QL on both columns)	'U'
	>201%	'R'
Herbicides	0 – 25%	none
	26-50%	'J'
	50-90%	'NJ'
	>90%	'R'

Support documentation (i.e., Form 10s) are provided in Attachment A.

For OC pesticides, the laboratory attempted to perform florisil cleanup on the soil extracts prior to analysis (removes polar compound interference), but the resultant chromatography did not significantly improve. Therefore, the laboratory believes the matrix interference present in the soil samples is generally non-polar in nature. Conversely, the laboratory did perform sulfur and gel permeation chromatography (GPC) cleanup procedures on the soil extracts in an attempt to clarify the chromatography. GPC removes a wide variety of high molecular weight compounds (e.g., lipids, polymers, proteins, etc.). Regardless, the soil samples exhibited significant matrix interference resulting in high %Ds between the OC pesticide dual-column analyses.

- **Field Duplicates**

  Field duplicates were collected at soil locations HA-3 (1-1.5) and SS-4 (0-0.5). An aqueous field duplicate was also collected at location MW-04. The %RPD between the concentration of As, Fe, Pb, Mn, and Ni in soil sample HA-3 (1-1.5) and field duplicate HA-3 (1-1.5) DUP exceeded the QC limit of 50%. The detected results for these metals in both samples have been qualified 'J', as listed on Table 1.

VI. SAMPLE RESULTS AND REPORTING

All quantitation/detection limits were reported in accordance with method requirements and were adjusted for sample volume, moisture content, and dilution factors. Results below the quantitation limits were qualified 'J' by the laboratory. All quantitation limits were reported in accordance with method requirements and were adjusted for dilution factors.

Several soil required secondary dilutions due to the nature of the sample matrix and/or high levels to target compounds. Results reported from secondary dilutions were qualified 'D' by the laboratory. The quantitation limits reported for the non-detect samples are the lowest achievable at the diluted level.

For TICs (VOC and SVOC only), some were identified as "aldol condensation products", "column bleed", and/or "method blank contamination". TICs identified as such should be considered suspect and do not accurately representative the sample matrix. Although TIC results were reviewed during the data validation, they are not reported in this DUSR, thus the results will be kept on file and will only be made available upon request.

The percent moisture for soil sample SB-3 (6-8) was >50%. The SVOC, OC/OP pesticide, PCB, and herbicide results (not previously qualified 'NJ' or 'R') were qualified 'J' or 'UJ', as listed on Table 1.

Low-level OC/OP pesticides and herbicides were positively identified [slightly above their corresponding method detection limits (MDLs)] during the data validation, but were reported as non-detect ('U') by the laboratory. The laboratory's standard operating procedure is to not report low-level positive results below ½ QL.

For soil sample SB-1 (6-8), the initial OC pesticide analysis exhibited a linear calibration exceedance for endosulfan I (qualified 'E' by the lab). The sample was reanalyzed at a secondary dilution, but the %D for endosulfan I between the dual-column analysis was >200%, hence, was deemed unusable, per Region II validation guidelines. Therefore, the undiluted result is considered more usable and has been reported on Table 2.

For soil sample SB-5 (12-14), the initial OC pesticide analysis exhibited a linear calibration exceedance for aldrin (qualified 'E' by the lab). The sample was reanalyzed at a

secondary dilution, but aldrin was non-detect. Therefore, the undiluted result has been reported on Table 2 and is qualified 'J'.

VII. SUMMARY

All sample analyses were found to be compliant with the method and validation criteria, except where previously noted. Those results qualified 'R' are considered unusable. Those results qualified 'J', 'J+', 'NJ', 'U', and 'UJ' are considered conditionally usable. All other sample results are usable as reported. URS does not recommend the recollection of any samples at this time.

Prepared By: Ann Marie Kropovitch, Chemist **Date:** 10/30/13

Reviewed By: Peter R. Fairbanks, Senior Chemist **Date:** 10/30/13

DEFINITIONS OF USEPA DATA QUALIFIERS

U – The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.

J – The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

(J+) - The result is an estimated quantity. The associated numerical value is biased high.

UJ – The analyte was analyzed for, but not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

R – The data are unusable. The sample results are rejected due to serious deficiencies in meeting quality control criteria. The analyte may or may not be present in the sample.

D – The sample result was reported from a secondary dilution analysis.

NJ – The analysis indicates the presence of an analyte that has been "tentatively identified´ and the associated numerical value represents its approximate concentration.

TABLE 1 OLD AGWAY REMEDIAL INVESTIGATION – PHASE 1 SUMMARY OF DATA QUALIFICATIONS			
SAMPLE ID	**FRACTION**	**ANALYTICAL DEVIATION**	**QUALIFICATION**
SOIL SAMPLES			
See COCs in Attachment A for list of affected samples	VOCs	Cooler temperatures above QC limits.	Qualify non-detect results 'UJ' and detected results 'J'.
MW-2 (18-20)	VOCs	Surrogate 4-bromofluorobenzene %R < QC limit.	Qualify non-detect results 'UJ' and detected results 'J'.
MW-3 (18-20)	VOCs	Surrogate 4-bromofluorobenzene %R< 10%.	Qualify non-detect results 'R'.
SB-6 (18-20), RB-4, RB-5, RB-6	VOCs	ICAL RRF < 0.05 for1,2-dibromo-3-chloropropane.	Qualify non-detect results 'R'.
HA-2 (1.5-2), HA-2 (3), MW-1 (all depth intervals)	VOCs	CCAL %D > 20% for 2-butanone, 2-hexanone, bromomethane, 4-methyl-2-pentanone, and bromoform.	Qualify non-detect results 'UJ'.
HA-1 (1-2), HA-1 (2-3), MW-3 (2-4), SB-2 (4-6) to (18-20)	VOCs	CCAL %D > 20% for 1,2-dichloroethane, cis-1,3-dichloropropene, trans-1,3-dichloropropene, 1,1,2-trichloroethane, 1,2,4-trichlorobenzene, 2-butanone, 2-hexanone, 4-methyl-2-pentanone, acetone, bromoform, dibromochloromethane, methyl acetate, and methyl-t-butyl ether.	Qualify non-detect results 'UJ' and detected results 'J'.
MW-1 (all depth intervals)	VOCs	CCAL %D > 20% for 2-butanone, acetone, and methyl-t-butyl ether.	Qualify non-detect results 'UJ' and detected results 'J'.
MW-3 (0-0.5), MW-3 (0-2), MW-3 (8-10 to 16-18)	VOCs	CCAL %D > 20% for 1,2-dibromo-3-chloropropane, 2-butanone, bromoform, and methyl-t-butyl ether.	Qualify non-detect results 'UJ'.
MW-4 (2-4), SB-7 (0-2), SB-7 (2-4), SB-7 (4-6)	VOCs	CCAL %D > 20% for 2-butanone, 2-hexanone, bromomethane, 4-methyl-2-pentanone, and dichlorodifluoromethane.	Qualify non-detect results 'UJ'.
RB-1	VOCs	CCAL %D > 20% for 1,1-dichloroethane, 2-butanone, bromoform, bromomethane, and dichlorodifluoromethane.	Qualify non-detect results 'UJ'.
RB-2	VOCs	CCAL %D > 20% for 1,1,2-trichloro-1,2,2-trifluoroethane, 2-butanone, acetone, carbon disulfide, and cyclohexane.	Qualify non-detect results 'UJ'.
RB-4	VOCs	CCAL %D > 20% for 1,1-dichloroethane, 2-butanone, acetone, bromomethane, carbon disulfide, and trichlorofluoromethane.	Qualify non-detect results 'UJ'.

TABLE 1 OLD AGWAY REMEDIAL INVESTIGATION – PHASE 1 SUMMARY OF DATA QUALIFICATIONS			
SAMPLE ID	**FRACTION**	**ANALYTICAL DEVIATION**	**QUALIFICATION**
MW-05 (6-8), SB-07 (12-14), SB-07 (16-18), SB-07 (18-20), SS-01	VOCs	CCAL %D > 20% for 2-butanone, dichlorodifluoromethane, 4-methyl-2-pentanone, and 2-hexanone.	Qualify non-detect results 'UJ' and detected results 'J'.
SB-3 (0-0.5), SB-4 (0-0.5), SB-05 (0-0.5), SB-7 (0-0.5), SS-02	VOCs	CCAL %D > 20% for 2-butanone, acetone, dichlorodifluoromethane, 4-methyl-2-pentanone, methyl acetate, and 2-hexanone.	Qualify non-detect results 'UJ' and detected results 'J'.
SB-1 (0-0.5), SB-2 (0-0.5), SB-6 (0-0.5), SS-3, SS-4 (collected on 5/22/13), SS-5	VOCs	CCAL %D > 20% for bromomethane and bromoform.	Qualify non-detect results 'UJ'.
RB-5 and RB-6	VOCs	CCAL %D > 20% for 1,1-dichloeoethane, 2-butanone, acetone, bromomethane, carbon disulfide, and trichlorofluoromethane,	Qualify non-detect results 'UJ'.
RB-4	VOCs	LCS %R < QC limit for bromomethane.	Qualify non-detect results 'UJ'.
MW-4 (2-4), MW-5 (6-8), SB-7 (0-2), SB-7 (2-4), SB-7 (4-6), SB-7 (12-14), SB-7 (16-18), SB-7 (18-20), SS-1	VOCs	LCS %R < QC limit for tetrachloroethene.	Qualify non-detect results 'UJ'.
SB-2 (4-6), SB-2 (14-16), SB-2 (16-18), SB-2 (18-20)	VOCs	Method blank contamination below the QL for acetone.	Qualify results 'U' at the QL.
HA-2 (3), MW-2 (8-10), MW-2 (10-12), MW-3 (2-4), MW-3 (4-6), SB-1 (6-8), SB-2 (6-8), SB-2 (8-10), SB-4 (0-2), SB-4 (6-8), SB-4 (8-10), SB-4 (10-12), SB-5 (6-8), SB-5 (8-10), SB-6 (8-10)	SVOC	ICAL %RSD > QC limit of 20% for acetophenone, atrazine and/or benzaldehyde.	Qualify detected results 'J'.
All soil and rinsate blank samples	SVOCs	CCAL %D > 20% for acetophenone and benzaldehyde.	Qualify non-detect results 'UJ' and detected results 'J'.

TABLE 1 OLD AGWAY REMEDIAL INVESTIGATION – PHASE 1 SUMMARY OF DATA QUALIFICATIONS			
SAMPLE ID	**FRACTION**	**ANALYTICAL DEVIATION**	**QUALIFICATION**
HA-1 (1-2), HA-1 (2-3), HA-2 (3), HA-3 (1-1.5), HA-3 (1-1.5) DUP, HA-3 (3-3.5), HA-4 (1-1.5), HA-4 (3-3.5), HA-5 (1-1.5), HA-5 (3-3.5), MW-1 (0-2), MW-1 (2-4), MW-5 (6-8), MW-6 (2-4), All depth intervals (SB-1, SB-2, SB-3, SB-4, SB-5, SB-6), SB-7 (0-0.5), SB-7 (8-10), SB-7 (10-12), SB-7 (12-14), SB-7 (14-16), SB-7 (16-18), SB-7 (18-20), SS-3, SS-4 (collected on 5/22/13 and 5/23/13), SS-4 DUP, SS-6, RB-1, RB-4, RB-5, RB-6, RB-7	SVOCs	CCAL %D > 20% for hexachlorocyclopentadiene.	Qualify non-detect results 'UJ'.
HA-3 (1-1.5), HA-3 (1-1.5) DUP, HA-3 (3-3.5), HA-4 (1-1.5), HA-4 (3-3.5), HA-5 (1-1.5), HA-5 (3-3.5), MW-3 (all depth intervals), MW-4 (2-4), MW-5 (6-8), MW-6 (2-4), SB-2 (0-0.5), SB-2 (0-2), SB-2 (2-4), All depth intervals (SB-3, SB-4, SB-5, SB-6), SB-7 (0-0.5), SB-7 (8-10), SB-7 (10-12), SB-7 (12-14), SB-7 (14-16), SB-7 (16-18), SB-7 (18-20), SS-3, SS-4 (collected on 5/22/13 and 5/23/13), SS-4 DUP, SS-6, RB-1, RB-6, RB-7	SVOCs	CCAL %D > 20% for 2,2'-oxybis(1-chloropropane).	Qualify non-detect results 'UJ'.
SB-5 (6-8)	SVOCs	CCAL %D > 20% for 4-nitrophenol.	Qualify non-detect results 'UJ'.
HA-3 (1-1.5), HA-3 (1-1.5) DUP, HA-3 (3-3.5), HA-4 (1-1.5), HA-4 (3-3.5), HA-5 (1-1.5), HA-5 (3-3.5)	SVOCs	CCAL %D > 20% for n-nitroso-d-n-propylamine, and 2,4-dimethylphenol.	Qualify non-detect results 'UJ'.
SB-2 (0-0.5), SB-3 (0-0.5), SB-4 (0-0.5), SB-6 (0-0.5), SB-7 (0-0.5), SS-3, SS-4 (collected on 5/22/13 and 5/23/13), SS-4 DUP, SS-5, SS-6	SVOCs	CCAL %D > 20% for n-nitroso-d-n-propylamine.	Qualify non-detect results 'UJ'.

TABLE 1 OLD AGWAY REMEDIAL INVESTIGATION – PHASE 1 SUMMARY OF DATA QUALIFICATIONS			
SAMPLE ID	**FRACTION**	**ANALYTICAL DEVIATION**	**QUALIFICATION**
MW-2 (0-2)	SVOCs	MS/MSD %Rs <10% for 2,4-dinitrophenol and 4,6-dinitro-2-methylphenol.	Qualify non-detect results 'R'.
HA-1 (1-2), HA-1 (2-3), HA-2 (1.5-2), HA-2 (3), HA-3 (1-1.5), HA-3 (1-1.5) DUP, HA-3 (3-3.5), HA-4 (1-1.5), HA-4 (3-3.5), HA-5 (1-1.5), HA-5 (3-3.5), MW-1 (all depth intervals), MW-2, SB-1 to SB-7	SVOCs	LCS %R < QC limit for acetophenone.	Qualify non-detect results 'UJ' and detected results 'J'.
MW-3 (all depth intervals), SB-3 (10-12), SB-3 (14-16), SB-3 (16-18), SB-3 (18-20), All depth intervals (SB-4 and SB-5)	SVOCs	LCS %R < QC limit for 2,4-dimethylphenol.	Qualify non-detect results 'UJ'.
SB-4 (8-10), SB-5 (6-8), SB-5 (8-10)	SVOCs	Method blank contamination below the QL for bis-(2-ethylhexyl)-phthalate.	Qualify results 'U' at the QL.
SB-4 (6-8), SB-4 (8-10)	SVOCs	IS %R <50% for chrysene-d_{10} and/or perylene-d_{12}.	Qualify non-detect results 'UJ' and detected results 'J'.
RB-6	OC Pesticides/ PCBs	Re-extracted holding time exceeded.	Qualify non-detect results 'UJ'.
HA-1 (1-2), HA-5 (3-3.5), MW-2 (8-10), MW-2 (10-12), MW-3 (4-6), MW-3 (8-10), SB-1 (6-8), SB-1 (18-20), SB-1 (20-22), SB-2 (4-6), SB-2 (8-10), SB-3 (6-8), SB-6 (6-8), SB-4 (8-10), SB-4 (10-12), SB-4 (12-14), SB-5 (10-12), SB-7 (6-8), SS-1, SS-3	OC Pesticides	Surrogate DCB and/or TCX % R > QC limit on one or both columns.	Qualify detected results from affected column 'J'.
RB-3, RB-5	OC Pesticides	Surrogate DCB % R > QC limit on both columns.	Qualify non-detect results 'UJ'.
HA-3 (1-1.5)	OC Pesticides	Surrogate DCB % R < QC limit on primary column.	Qualify detected results 'J'.
SB-5 (12-14)	OC Pesticides	Aldrin exceeds linear range of calibration. Non-detect in secondary dilution analysis.	Report value from undiluted analysis and qualify 'J'.
RB-5	PCBs	Surrogate DCB % R > QC limit on both columns.	Qualify non-detect results 'UJ'.
SB-3 (10-12), SB-4 (14-16), SB-6 (0-0.5), SS-3	Herbicides	Surrogate DCAA % R > QC limit on primary column.	Qualify detected results reported from primary column 'J'.

TABLE 1 OLD AGWAY REMEDIAL INVESTIGATION – PHASE 1 SUMMARY OF DATA QUALIFICATIONS			
SAMPLE ID	**FRACTION**	**ANALYTICAL DEVIATION**	**QUALIFICATION**
RB-5, RB-6	Herbicides	Surrogate DCAA % R > QC limit on both column.	Qualify non-detect results 'UJ'.
HA-1 (2-3), HA-5 (3-3.5), MW-2 (8-10), MW-2 (10-12), MW-3 (4-6), MW-3 (6-8), MW-3 (10-12), MW-3 (14-16), MW-3 (16-18), MW-3 (18-20), SB-1 (6-8), SB-1 (10-12), SB-2 (4-6), SB-2 (6-8), SB-2 (10-12), SB-4 (4-6), SB-4 (10-12), SB-4 (12-14), SB-4 (14-16), SB-5 (8-10), SB-1 (0-0.5) to SB-7 (0-0.5), SS-1 to SS-4, SB-7 (18-20)	Herbicides	LCS %R < QC limit for picrolam.	Qualify non-detect results 'UJ'.
RB-2	Herbicides	LCS %Rs < QC limit for picrolam and 2,4-D.	Qualify non-detect results 'UJ'.
RB-1, RB-3, RB-4	Herbicides	LCS %Rs < QC limit for 2,4-DB.	Qualify non-detect results 'UJ'.
SB-1 (12-14), SB-1 (14-16), SB-1 (16-18)	Herbicides	Method blank contamination below the QL for dicamba.	Qualify results 'U' at the QL.
See Form 10s on a per sample basis in Attachment A for list of affected compounds	OP/OC Pesticides and Herbicides	Dual-column %D > QC limits.	Qualify results 'J', 'NJ', 'R', or 'U'.
SB-3 (6-8)	SVOCs, OP/OC Pesticides, PCBs, Herbicides	% Moisture >50%.	Qualify non-detect results 'UJ' and detected results 'J'.
HA-1 (1-2), HA-1 (2-3), HA-2 (1.5-2), HA-2 (3)	Metals	MS %R <75% for Zn.	Qualify detected results 'J'.
MW-2 (0-2), MW-2 (2-4), MW-2 (4-6), MW-2 (6-8), MW-2 (8-10), MW-2 (18-20), SB-2 (0-2)	Metals	MS %R >125% for Hg.	Qualify detected results 'J'.
All depth intervals (MW-2, MW-3 and SB-1), MW-5 (6-8), SB-2 (0-2), SB-2 (2-4), SB-3 (0-2), SB-3 (2-4), SB-3 (4-6)	Metals	MS %R <75% for Se.	Qualify non-detect results 'UJ' and detected results 'J'.
SB-3 (14-16), SB-3 (16-18), SB-3 (18-20), SB-4 (all depth intervals), SB-5 (0-2), SB-5 (2-4), SB-5 (4-6), SB-5 (6-8)	Metals	MS %R <75% for Ba and Se (<10%). Post-digestion spike for Se within QC limits.	Qualify non-detect results 'UJ' and detected results 'J'.

TABLE 1 OLD AGWAY REMEDIAL INVESTIGATION – PHASE 1 SUMMARY OF DATA QUALIFICATIONS			
SAMPLE ID	**FRACTION**	**ANALYTICAL DEVIATION**	**QUALIFICATION**
MW-4 (2-4), SB-5 (14-16), SB-5 (16-18), SB-5 (18-20), SB-6 (all depth intervals), SB-7 (0-2), SB-7 (4-6)	Metals	MS %R <75% for Se and >125% for Pb. Post-digestion spike for Se within QC limits, but >125% for Pb.	Qualify non-detect results 'UJ' and detected results 'J' for Se; qualify detected results 'J+' for Pb.
HA-3 (1-1.5), HA-3 (1-1.5) DUP, HA-3 (3-3.5), HA-4 (1-1.5), HA-4 (3-3.5), HA-5 (1-1.5), HA-5 (3-3.5), SS-4 (collected on 5/23/13), SS-4 DUP, SS-6	Metals	MS %R <75% for Mn.	Qualify detected results 'J'.
MW-3 (all depth intervals), SB-1 (0-2 to 16-18)	Metals	MD RPD > 35% for Mg.	Qualify detected results 'J'.
SB-3 (14-16), SB-3 (16-18), SB-3 (18-20), SB-4 (all depth intervals), SB-5 (0-2), SB-5 (2-4), SB-5 (4-6), SB-5 (6-8)	Metals	MD RPD > 35% for Pb and Ni; absolute %D >QL for Cu.	Qualify non-detect results 'UJ' and detected results 'J'.
SS-4, SS-4 DUP, SS-6	Metals	MD RPD > 35% for Cu, Pb, and Mg.	Qualify detected results 'J'.
All depth intervals (HA-1 and HA-2)	Metals	Serial Dilution %D > 15% for Cu.	Qualify detected results 'J'.
MW-2 (all depth intervals), SB-1 (18-20), SB-1 (20-22), SB-2 (0-2), SB-2 (2-4), SB-3 (0-2), SB-3 (2-4), SB-3 (4-6)	Metals	Serial Dilution %D > 15% for Cu and K.	Qualify detected results 'J'.
HA-2 (3)	Metals	ICB contamination below the QL for Cd.	Qualify results 'U' at the detected value.
HA-1 (2-3), HA-2 (1.5-2), HA-2 (3), SB-2 (6-8), SB-2 (8-10)	Metals	ICB contamination below the QL for Ag.	Qualify results 'U' at the detected value.
HA-3 (1-1.5), HA-3 (1-1.5) DUP, HA-3 (3-3.5), HA-4 (1-1.5), HA-4 (3-3.5), HA-5 (1-1.5), HA-5 (3-3.5), MW-3 (2-4), MW-3 (8-10), MW-3 (10-12), MW-3 (12-14), MW-3 (18-20), SB-1 (2-4), SB-1 (4-6), SB-1 (6-8), SB-1 (16-18)	Metals	CCB contamination below the QL for Sb.	Qualify results 'U' at the detected value.
MW-4 (2-4), SB-3 (14-16), SB-3 (16-18), SB-3 (18-20), SB-4 (2-4), SB-5 (14-16), SB-5 (16-18), SB-6 (18-20), SB-6 (all depth intervals), SB-7 (0-2), SB-7 (4-6)	Metals	CCB contamination below the QL for Be.	Qualify results 'U' at the detected value.

TABLE 1 OLD AGWAY REMEDIAL INVESTIGATION – PHASE 1 SUMMARY OF DATA QUALIFICATIONS			
SAMPLE ID	**FRACTION**	**ANALYTICAL DEVIATION**	**QUALIFICATION**
SB-1 (0-2), SB-1 (2-4), SB-4 (4-6), SB-4 (6-8), SB-5 (0-2), SB-5 (2-4), SB-5 (4-6), SB-5 (6-8), SB-6 (2-4), SB-6 (4-6), SB-6 (6-8), SB-6 (8-10)	Metals	ICB/CCB contamination below the QL for Ni.	Qualify results 'U' at the detected value.
HA-3 (1-1.5), HA-4 (1-1.5), MW-1 (4-6), MW-1 (6-8), MW-1 (10-12), SB-2 (0-2), SB-2 (2-4), SS-1, SS-5	Metals	CCB contamination below the QL for K.	Qualify results 'U' at the detected value.
MW-2 (all depth intervals), SB-1 (18-20), SB-1 (20-22), SB-2 (0-2), SB-2 (2-4), SB-3 (0-2), SB-3 (2-4), SB-3 (4-6)	Metals	CCB contamination below the QL for Na.	Qualify results 'U' at the detected value.
SB-4 (0-0.5), SB-5 (0-0.5), SB-7 (0-0.5)	Metals	CCB contamination below the QL for Hg.	Qualify results 'U' at the detected value.
MW-2 (12-14), MW-2 (14-16), MW-2 (16-18), MW-3 (10-12), MW-3 (12-14), SB-3 (14-16), SB-3 (16-18), SB-3 (18-20), SB-4 (12-14), SB-4 (14-16), SB-4 (16-18), SB-4 (18-20)	Metals	Rinsate blank contamination above the QL for Pb.	Qualify results less than 10x rinsate blank concentration 'J'.
HA-2 (1.5-2), MW-2 (0-0.5), MW-2 (0-2), MW-2 (2-4), MW-2 (4-6), MW-2 (6-8), MW-3 (0-0.5), MW-3 (0-2), MW-3 (2-4), MW-3 (8-10), SB-3 (0-2), SB-3 (2-4), SB-3 (4-6), SB-4 (2-4), SB-4 (4-6), SB-5 (0-2), SB-5 (2-4), SB-5 (4-6), SB-5 (6-8)	Metals	Rinsate blank contamination above the QL for K.	Qualify results 'U' at the detected value.
MW-2 (8-10), MW-2 (12-14), MW-2 (14-16), MW-2 (16-18), MW-2 (18-20), MW-3 (10-12), MW-3 (12-14), MW-3 (14-16), MW-3 (16-18), MW-3 (18-20)	Metals	Rinsate blank contamination above the QL for K.	Qualify results less than 10x rinsate blank concentration 'J'.
HA-2 (3)	Metals	Rinsate blank contamination above the QL for Se.	Qualify results 'U' at the detected value.
SB-6 (2-4)	Metals	Rinsate blank contamination below the QL for Cu.	Qualify results 'U' at the detected value.
SB-6 (0-2), SB-6 (2-4), SB-6 (4-6), SB-6 (6-8), SB-6 (8-10), SB-7 (4-6)	Metals	Rinsate blank contamination below the QL for K.	Qualify results 'U' at the detected value.

TABLE 1 OLD AGWAY REMEDIAL INVESTIGATION – PHASE 1 SUMMARY OF DATA QUALIFICATIONS			
SAMPLE ID	**FRACTION**	**ANALYTICAL DEVIATION**	**QUALIFICATION**
HA- 3 (1-1.5) and HA-3 (1-1.5) DUP	Metals	Field Duplicate %RPD > 50% for As, Fe, Pb, Mn, and Ni.	Qualify detected results 'J'.
GROUNDWATER SAMPLES			
All groundwaters and trip blanks	VOCs	LCS %R < QC limit for bromomethane.	Qualify non-detect results 'UJ'.
MW-2, MW-3, TB05232013, TB205232013	VOCs	LCS %R < QC limit for 1,1,2-trichloro-1,2,2-trifluoroethane.	Qualify non-detect results 'UJ'.
MW-1, MW-4, DUP 06062013 (MW-4), MW-5, MW-6, TB05232013	VOCs	CCAL %D > 20% for 1,2-dibromo-3-chloropropane, 1,2,4-trichlorobenzene, acetone, bromoform, chloromethane, methyl acetate, and trichlorofluoromethane.	Qualify non-detect results 'UJ'.
MW-2, MW-3, TB205232013	VOCs	CCAL %D > 20% for 1,2-dibromo-3-chloropropane, 1,1,2,2-tetrachloroethane, 1,1,2-trichloro-1,2,2-trifluoroethane, acetone, bromoform, bromomethane, chloromethane, cyclohexane, dibromochloromethane, isopropylbenzene, methyl acetate, methylcyclohexane, tetrachloroethene, and trichlorofluoromethane.	Qualify non-detect results 'UJ' and detected results 'J'.
All groundwater samples	SVOCs	LCS %R < QC limit for 2,2'-oxybis(1-chloropropane).	Qualify non-detect results 'UJ.
MW-3	SVOCs	MBLK contamination below QL for bis(2-ethylhexyl)phthalate.	Qualify results 'U' at the QL.
All groundwater samples	SVOCs	CCAL %D > 20% for benzaldehyde.	Qualify non-detect results 'UJ'.
All groundwater samples	Metals	MS %R <75% for Se.	Qualify non-detect results 'UJ'.
All groundwater samples	Metals	MBLK contamination below QL for Cr and Ni.	Qualify results 'U' at the detected value.
MW-2	Metals	MBLK contamination below QL for Ag.	Qualify results 'U' at the detected value.
MW-2	Metals	CCB contamination below QL for Al and Zn.	Qualify results 'U' at the detected value.
All groundwater samples	Metals	Serial Dilution %D > QC limit for K.	Qualify detected results 'J'.

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			HA-01	HA-01	HA-02	HA-02	HA-03
Sample ID			HA-1 (1-2)	HA-1 (2-3)	HA-2 (1.5-2)	HA-2 (3)	HA-3 (1-1.5)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			1.0-2.0	2.0-3.0	1.5-2.0	3.0-3.0	1.0-1.5
Date Sampled			05/14/13	05/14/13	05/14/13	05/14/13	05/23/13
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
1,1,1-Trichloroethane	MG/KG	0.68	0.012 UJ	0.012 UJ	0.014 U	0.014 U	0.014 UJ
1,1,2,2-Tetrachloroethane	MG/KG	0.6	0.012 UJ	0.012 UJ	0.014 U	0.014 U	0.014 UJ
1,1,2-Trichloro-1,2,2-trifluoroethane	MG/KG	6	0.012 UJ	0.012 UJ	0.014 U	0.014 U	0.014 UJ
1,1,2-Trichloroethane	MG/KG	-	0.012 UJ	0.012 UJ	0.014 U	0.014 U	0.014 UJ
1,1-Dichloroethane	MG/KG	0.27	0.012 UJ	0.012 UJ	0.014 U	0.014 U	0.014 UJ
1,1-Dichloroethene	MG/KG	0.33	0.012 UJ	0.012 UJ	0.014 U	0.014 U	0.014 UJ
1,2,4-Trichlorobenzene	MG/KG	3.4	0.012 UJ	0.012 UJ	0.014 U	0.014 U	0.014 UJ
1,2-Dibromo-3-chloropropane	MG/KG	-	0.012 UJ	0.012 UJ	0.014 U	0.014 U	0.014 UJ
1,2-Dibromoethane (Ethylene dibromide)	MG/KG	-	0.012 UJ	0.012 UJ	0.014 U	0.014 U	0.014 UJ
1,2-Dichlorobenzene	MG/KG	1.1	0.012 UJ	0.012 UJ	0.014 U	0.014 U	0.014 UJ
1,2-Dichloroethane	MG/KG	0.02	0.012 UJ	0.012 UJ	0.014 U	0.014 U	0.014 UJ
1,2-Dichloroethene (cis)	MG/KG	0.25	0.012 UJ	0.012 UJ	0.014 U	0.014 U	0.014 UJ
1,2-Dichloroethene (trans)	MG/KG	0.19	0.012 UJ	0.012 UJ	0.014 U	0.014 U	0.014 UJ
1,2-Dichloropropane	MG/KG	700	0.012 UJ	0.012 UJ	0.014 U	0.014 U	0.014 UJ
1,3-Dichlorobenzene	MG/KG	2.4	0.012 UJ	0.012 UJ	0.014 U	0.014 U	0.014 UJ
1,3-Dichloropropene (cis)	MG/KG	-	0.012 UJ	0.012 UJ	0.014 U	0.014 U	0.014 UJ
1,3-Dichloropropene (trans)	MG/KG	-	0.012 UJ	0.012 UJ	0.014 U	0.014 U	0.014 UJ
1,4-Dichlorobenzene	MG/KG	1.8	0.012 UJ	0.012 UJ	0.014 U	0.014 U	0.014 UJ
2-Hexanone	MG/KG	-	0.012 UJ	0.012 UJ	0.014 UJ	0.014 UJ	0.014 UJ
4-Methyl-2-pentanone	MG/KG	1	0.012 UJ	0.012 UJ	0.014 UJ	0.014 UJ	0.014 UJ
Acetone	MG/KG	0.05	0.012 UJ	0.012 UJ	0.014 U	0.014 U	0.014 UJ
Benzene	MG/KG	0.06	0.012 UJ	0.012 UJ	0.014 U	0.014 U	0.014 UJ
Bromodichloromethane	MG/KG	-	0.012 UJ	0.012 UJ	0.014 U	0.014 U	0.014 UJ
Bromoform	MG/KG	-	0.012 UJ	0.012 UJ	0.014 UJ	0.014 UJ	0.014 UJ
Bromomethane	MG/KG	-	0.012 UJ	0.012 UJ	0.014 U	0.014 U	0.014 UJ

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			HA-01	HA-01	HA-02	HA-02	HA-03
Sample ID			HA-1 (1-2)	HA-1 (2-3)	HA-2 (1.5-2)	HA-2 (3)	HA-3 (1-1.5)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			1.0-2.0	2.0-3.0	1.5-2.0	3.0-3.0	1.0-1.5
Date Sampled			05/14/13	05/14/13	05/14/13	05/14/13	05/23/13
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
Carbon disulfide	MG/KG	2.7	0.012 UJ	0.012 UJ	0.014 U	0.014 U	0.014 UJ
Carbon tetrachloride	MG/KG	0.76	0.012 UJ	0.012 UJ	0.014 U	0.014 U	0.014 UJ
Chlorobenzene	MG/KG	1.1	0.012 UJ	0.012 UJ	0.014 U	0.014 U	0.014 UJ
Chloroethane	MG/KG	1.9	0.012 UJ	0.012 UJ	0.014 U	0.014 U	0.014 UJ
Chloroform	MG/KG	0.37	0.012 UJ	0.012 UJ	0.014 U	0.014 U	0.014 UJ
Chloromethane	MG/KG	-	0.012 UJ	0.012 UJ	0.014 U	0.014 U	0.014 UJ
Cyclohexane	MG/KG	-	0.012 UJ	0.012 UJ	0.014 U	0.014 U	0.014 UJ
Dibromochloromethane	MG/KG	10	0.012 UJ	0.012 UJ	0.014 U	0.014 U	0.014 UJ
Dichlorodifluoromethane	MG/KG	-	0.012 UJ	0.012 UJ	0.014 U	0.014 U	0.014 UJ
Ethylbenzene	MG/KG	1	0.012 UJ	0.012 UJ	0.014 U	0.014 U	0.014 UJ
Isopropylbenzene (Cumene)	MG/KG	2.3	0.012 UJ	0.012 UJ	0.014 U	0.014 U	0.014 UJ
Methyl acetate	MG/KG	-	0.012 UJ	0.012 UJ	0.014 U	0.014 U	0.014 UJ
Methyl ethyl ketone (2-Butanone)	MG/KG	0.12	0.012 UJ	0.012 UJ	0.014 UJ	0.014 UJ	0.014 UJ
Methyl tert-butyl ether	MG/KG	0.93	0.012 UJ	0.012 UJ	0.014 U	0.014 U	0.014 UJ
Methylcyclohexane	MG/KG	-	0.012 UJ	0.012 UJ	0.014 U	0.014 U	0.014 UJ
Methylene chloride	MG/KG	0.05	0.012 UJ	0.012 UJ	0.014 U	0.014 U	0.014 UJ
Styrene	MG/KG	300	0.012 UJ	0.012 UJ	0.014 U	0.014 U	0.014 UJ
Tetrachloroethene	MG/KG	1.3	0.012 UJ	0.012 UJ	0.014 U	0.014 U	0.014 UJ
Toluene	MG/KG	0.7	0.012 UJ	0.012 UJ	0.014 U	0.014 U	0.014 UJ
Trichloroethene	MG/KG	0.47	0.012 UJ	0.012 UJ	0.014 U	0.014 U	0.014 UJ
Trichlorofluoromethane	MG/KG	-	0.012 UJ	0.012 UJ	0.014 U	0.014 U	0.014 UJ
Vinyl chloride	MG/KG	0.02	0.012 UJ	0.012 UJ	0.014 U	0.014 U	0.014 UJ
Xylene (total)	MG/KG	0.26	0.012 UJ	0.012 UJ	0.014 U	0.014 U	0.014 UJ
Semivolatile Organic Compounds							
1,1-Biphenyl	MG/KG	60	0.40 U	0.41 U	0.44 U	0.47 U	0.48 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			HA-01	HA-01	HA-02	HA-02	HA-03
Sample ID			HA-1 (1-2)	HA-1 (2-3)	HA-2 (1.5-2)	HA-2 (3)	HA-3 (1-1.5)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			1.0-2.0	2.0-3.0	1.5-2.0	3.0-3.0	1.0-1.5
Date Sampled			05/14/13	05/14/13	05/14/13	05/14/13	05/23/13
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
2,2-oxybis(1-Chloropropane)	MG/KG	-	0.40 U	0.41 U	0.44 U	0.47 U	0.48 UJ
2,4,5-Trichlorophenol	MG/KG	0.1	1.0 U	1.0 U	1.1 U	1.2 U	1.2 U
2,4,6-Trichlorophenol	MG/KG	10	0.40 U	0.41 U	0.44 U	0.47 U	0.48 U
2,4-Dichlorophenol	MG/KG	0.4	0.40 U	0.41 U	0.44 U	0.47 U	0.48 U
2,4-Dimethylphenol	MG/KG	-	0.40 U	0.41 U	0.44 U	0.47 U	0.48 UJ
2,4-Dinitrophenol	MG/KG	0.2	1.0 U	1.0 U	1.1 U	1.2 U	1.2 U
2,4-Dinitrotoluene	MG/KG	-	0.40 U	0.41 U	0.44 U	0.47 U	0.48 U
2,6-Dinitrotoluene	MG/KG	0.17	0.40 U	0.41 U	0.44 U	0.47 U	0.48 U
2-Chloronaphthalene	MG/KG	-	0.40 U	0.41 U	0.44 U	0.47 U	0.48 U
2-Chlorophenol	MG/KG	0.8	0.40 U	0.41 U	0.44 U	0.47 U	0.48 U
2-Methylnaphthalene	MG/KG	0.41	0.40 U	0.41 U	0.44 U	0.47 U	0.48 U
2-Methylphenol (o-cresol)	MG/KG	0.33	0.24 U	0.25 U	0.27 U	0.29 U	0.29 U
2-Nitroaniline	MG/KG	0.4	1.0 U	1.0 U	1.1 U	1.2 U	1.2 U
2-Nitrophenol	MG/KG	0.3	0.40 U	0.41 U	0.44 U	0.47 U	0.48 U
3,3-Dichlorobenzidine	MG/KG	-	0.40 U	0.41 U	0.44 U	0.47 U	0.48 U
3-Nitroaniline	MG/KG	0.5	1.0 U	1.0 U	1.1 U	1.2 U	1.2 U
4,6-Dinitro-2-methylphenol	MG/KG	-	1.0 U	1.0 U	1.1 U	1.2 U	1.2 U
4-Bromophenyl-phenylether	MG/KG	-	0.40 U	0.41 U	0.44 U	0.47 U	0.48 U
4-Chloro-3-methylphenol	MG/KG	-	0.40 U	0.41 U	0.44 U	0.47 U	0.48 U
4-Chloroaniline	MG/KG	0.22	0.40 U	0.41 U	0.44 U	0.47 U	0.48 U
4-Chlorophenyl-phenylether	MG/KG	-	0.40 U	0.41 U	0.44 U	0.47 U	0.48 U
4-Methylphenol (p-cresol)	MG/KG	0.33	0.24 U	0.25 U	0.27 U	0.29 U	0.29 U
4-Nitroaniline	MG/KG	-	1.0 U	1.0 U	1.1 U	1.2 U	1.2 U
4-Nitrophenol	MG/KG	0.1	1.0 U	1.0 U	1.1 U	1.2 U	1.2 U
Acenaphthene	MG/KG	20	0.40 U	0.41 U	0.44 U	0.47 U	0.48 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			HA-01	HA-01	HA-02	HA-02	HA-03
Sample ID			HA-1 (1-2)	HA-1 (2-3)	HA-2 (1.5-2)	HA-2 (3)	HA-3 (1-1.5)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			1.0-2.0	2.0-3.0	1.5-2.0	3.0-3.0	1.0-1.5
Date Sampled			05/14/13	05/14/13	05/14/13	05/14/13	05/23/13
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
Acenaphthylene	MG/KG	100	0.40 U	0.41 U	0.44 U	0.47 U	0.48 U
Acetophenone	MG/KG	-	0.40 UJ	0.41 UJ	0.44 UJ	0.47 UJ	0.48 UJ
Anthracene	MG/KG	100	0.40 U	0.41 U	0.44 U	0.47 U	0.48 U
Atrazine	MG/KG	-	0.40 U	0.41 U	0.44 U	0.11 J	0.48 U
Benzaldehyde	MG/KG	-	0.40 UJ	0.41 UJ	0.44 UJ	0.47 UJ	0.48 UJ
Benzo(a)anthracene	MG/KG	1	0.11 J	0.11 J	0.44 U	0.11 J	0.48 U
Benzo(a)pyrene	MG/KG	1	0.13 J	0.097 J	0.44 U	0.10 J	0.48 U
Benzo(b)fluoranthene	MG/KG	1	0.22 J	0.13 J	0.093 J	0.17 J	0.48 U
Benzo(g,h,i)perylene	MG/KG	100	0.095 J	0.41 U	0.44 U	0.47 U	0.48 U
Benzo(k)fluoranthene	MG/KG	0.8	0.40 U	0.41 U	0.44 U	0.47 U	0.48 U
bis(2-Chloroethoxy)methane	MG/KG	-	0.40 U	0.41 U	0.44 U	0.47 U	0.48 U
bis(2-Chloroethyl)ether	MG/KG	-	0.40 U	0.41 U	0.44 U	0.47 U	0.48 U
bis(2-Ethylhexyl)phthalate	MG/KG	50	0.40 U	0.41 U	0.19 J	0.12 J	0.48 U
Butylbenzylphthalate	MG/KG	100	0.40 U	0.41 U	0.44 U	0.47 U	0.48 U
Caprolactam	MG/KG	-	0.40 U	0.41 U	0.44 U	0.47 U	0.48 U
Carbazole	MG/KG	-	0.17 J	0.16 J	0.44 U	0.19 J	0.48 U
Chrysene	MG/KG	1	0.20 J	0.13 J	0.092 J	0.17 J	0.48 U
Dibenz(a,h)anthracene	MG/KG	0.33	0.24 U	0.25 U	0.27 U	0.29 U	0.29 U
Dibenzofuran	MG/KG	7	0.40 U	0.41 U	0.44 U	0.47 U	0.48 U
Diethylphthalate	MG/KG	7.1	0.40 U	0.41 U	0.44 U	0.47 U	0.48 U
Dimethylphthalate	MG/KG	27	0.40 U	0.41 U	0.44 U	0.47 U	0.48 U
Di-n-butylphthalate	MG/KG	0.014	0.40 U	0.41 U	0.44 U	0.47 U	0.48 U
Di-n-octylphthalate	MG/KG	100	0.40 U	0.41 U	0.44 U	0.47 U	0.48 U
Fluoranthene	MG/KG	100	0.37 J	0.23 J	0.15 J	0.27 J	0.48 U
Fluorene	MG/KG	30	0.40 U	0.41 U	0.44 U	0.47 U	0.48 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.
U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			HA-01	HA-01	HA-02	HA-02	HA-03
Sample ID			HA-1 (1-2)	HA-1 (2-3)	HA-2 (1.5-2)	HA-2 (3)	HA-3 (1-1.5)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			1.0-2.0	2.0-3.0	1.5-2.0	3.0-3.0	1.0-1.5
Date Sampled			05/14/13	05/14/13	05/14/13	05/14/13	05/23/13
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
Hexachlorobenzene	MG/KG	0.33	0.40 U	0.41 U	0.44 U	0.47 U	0.48 U
Hexachlorobutadiene	MG/KG	-	0.40 U	0.41 U	0.44 U	0.47 U	0.48 U
Hexachlorocyclopentadiene	MG/KG	10	0.40 UJ	0.41 UJ	0.44 U	0.47 UJ	0.48 UJ
Hexachloroethane	MG/KG	-	0.40 U	0.41 U	0.44 U	0.47 U	0.48 U
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	0.086 J	0.41 U	0.44 U	0.47 U	0.48 U
Isophorone	MG/KG	4.4	0.40 U	0.41 U	0.44 U	0.47 U	0.48 U
Naphthalene	MG/KG	12	0.40 U	0.41 U	0.44 U	0.15 J	0.48 U
Nitrobenzene	MG/KG	0.17	0.40 U	0.41 U	0.44 U	0.47 U	0.48 U
N-Nitroso-di-n-propylamine	MG/KG	-	0.40 U	0.41 U	0.44 U	0.47 U	0.48 UJ
N-Nitrosodiphenylamine	MG/KG	20	0.40 U	0.41 U	0.44 U	0.47 U	0.48 U
Pentachlorophenol	MG/KG	0.8	0.61 U	0.62 U	0.67 U	0.72 U	0.72 U
Phenanthrene	MG/KG	100	0.32 J	0.17 J	0.098 J	0.19 J	0.48 U
Phenol	MG/KG	0.33	0.24 U	0.25 U	0.27 U	0.29 U	0.29 U
Pyrene	MG/KG	100	0.34 J	0.24 J	0.14 J	0.22 J	0.48 U
Pesticide Organic Compounds							
4,4'-DDD	MG/KG	0.0033	0.0020 U	0.0020 U	R	R	0.0020 U
4,4'-DDE	MG/KG	0.0033	0.0020 U	0.0031 J	0.0032	0.0024 J	0.0020 U
4,4'-DDT	MG/KG	0.0033	0.025 J	0.0020 U	0.0099	0.0085 J	0.0020 U
Aldrin	MG/KG	0.005	0.0030 U	0.0030 U	0.0030 U	0.0040 U	0.0030 U
alpha-BHC	MG/KG	0.02	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
alpha-Chlordane	MG/KG	0.094	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
beta-BHC	MG/KG	0.036	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
delta-BHC	MG/KG	0.04	0.0014 NJ	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Dieldrin	MG/KG	0.005	0.15 DJ	R	0.016	0.041	0.033 J
Dimethoate	MG/KG	-	0.040 U	0.041 U	0.044 U	0.047 U	0.046 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			HA-01	HA-01	HA-02	HA-02	HA-03
Sample ID			HA-1 (1-2)	HA-1 (2-3)	HA-2 (1.5-2)	HA-2 (3)	HA-3 (1-1.5)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			1.0-2.0	2.0-3.0	1.5-2.0	3.0-3.0	1.0-1.5
Date Sampled			05/14/13	05/14/13	05/14/13	05/14/13	05/23/13
Parameter	**Units**	**Criteria***					
Pesticide Organic Compounds							
Disulfoton	MG/KG	-	0.040 U	0.041 U	0.044 U	0.047 U	0.046 U
Endosulfan I	MG/KG	2.4	R	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Endosulfan II	MG/KG	2.4	0.0040 U	0.0040 U	0.0040 U	0.0050 U	0.0050 U
Endosulfan sulfate	MG/KG	2.4	0.010 J	0.0040 U	0.0040 U	0.0050 U	0.0050 U
Endrin	MG/KG	0.014	0.0053 NJ	0.0040 U	0.0040 U	0.0050 U	0.0050 U
Endrin aldehyde	MG/KG	-	R	0.0040 U	0.0040 U	0.0050 U	0.0050 U
Endrin ketone	MG/KG	-	0.012 J	0.0040 U	0.0040 U	0.0050 U	0.0050 U
Famphur	MG/KG	-	0.040 U	0.041 U	0.044 U	0.047 U	0.046 U
gamma-BHC (Lindane)	MG/KG	0.1	R	0.0020 U	0.0019 J	0.0020 U	0.0020 U
gamma-Chlordane	MG/KG	0.54	R	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Heptachlor	MG/KG	0.042	0.0014 J	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Heptachlor epoxide	MG/KG	0.02	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Methoxychlor	MG/KG	1.2	0.083	0.021 U	0.023 U	0.024 U	0.024 U
Methyl parathion	MG/KG	-	0.040 U	0.041 U	0.044 U	0.047 U	0.046 U
Parathion	MG/KG	1.2	0.040 U	0.041 U	0.044 U	0.047 U	0.046 U
Phorate	MG/KG	-	0.040 U	0.041 U	0.044 U	0.047 U	0.046 U
Thionazin	MG/KG	-	0.040 U	0.041 U	0.044 U	0.047 U	0.046 U
Toxaphene	MG/KG	-	0.21 U	0.21 U	0.23 U	0.24 U	0.24 U
Herbicides							
2,4,5-T	MG/KG	1.9	0.007	0.006 U	0.007 U	0.0091	0.007 U
2,4,5-TP (Silvex)	MG/KG	3.8	0.006 U	0.006 U	0.007 U	0.0036 J	0.007 U
2,4-D	MG/KG	0.5	0.012 U	0.012 U	0.013 U	0.014 U	0.014 U
2,4-DB	MG/KG	-	0.0081 J	0.012 U	0.013 U	0.014 U	0.014 U
Dicamba	MG/KG	-	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U
Dinoseb	MG/KG	-	0.005 U	0.005 U	0.005 U	0.006 U	0.006 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.
U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			HA-01	HA-01	HA-02	HA-02	HA-03
Sample ID			HA-1 (1-2)	HA-1 (2-3)	HA-2 (1.5-2)	HA-2 (3)	HA-3 (1-1.5)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			1.0-2.0	2.0-3.0	1.5-2.0	3.0-3.0	1.0-1.5
Date Sampled			05/14/13	05/14/13	05/14/13	05/14/13	05/23/13
Parameter	**Units**	**Criteria***					
Herbicides							
Picrolam	MG/KG	-	0.012 U	0.012 UJ	0.013 U	0.014 U	0.014 U
Polychlorinated Biphenyls							
Aroclor 1016	MG/KG	-	0.040 U	0.041 U	0.045 U	0.047 U	0.048 U
Aroclor 1221	MG/KG	-	0.081 U	0.083 U	0.090 U	0.096 U	0.096 U
Aroclor 1232	MG/KG	-	0.040 U	0.041 U	0.045 U	0.047 U	0.048 U
Aroclor 1242	MG/KG	-	0.040 U	0.041 U	0.045 U	0.047 U	0.048 U
Aroclor 1248	MG/KG	-	0.040 U	0.041 U	0.045 U	0.047 U	0.048 U
Aroclor 1254	MG/KG	-	0.040 U	0.041 U	0.045 U	0.047 U	0.048 U
Aroclor 1260	MG/KG	-	0.040 U	0.041 U	0.045 U	0.047 U	0.048 U
Total Polychlorinated Biphenyls	MG/KG	0.1	ND	ND	ND	ND	ND
Metals							
Aluminum	MG/KG	10000	7,720	7,800	7,060	6,600	7,200
Antimony	MG/KG	12	0.15 U	0.52 J	0.16 U	0.65 J	0.29 U
Arsenic	MG/KG	13	3.4	5.0	5.7	17.9	7.0 J
Barium	MG/KG	350	44.8	64.6	59.4	94.9	77.4
Beryllium	MG/KG	7.2	0.22 J	0.41 J	0.22 J	0.40 J	0.32 J
Cadmium	MG/KG	2.5	0.012 U	0.012 U	0.014 U	0.058 U	0.014 U
Calcium	MG/KG	10000	2,410	5,270	3,370	4,380	5,940
Chromium	MG/KG	30	13.8	16.0	12.2	13.3	13.4
Cobalt	MG/KG	20	4.4 J	6.7	4.5 J	6.8 J	5.2 J
Copper	MG/KG	50	11.4 J	42.2 J	18.4 J	63.4 J	18.7
Iron	MG/KG	2000	11,800	14,900	11,400	12,900	12,400 J
Lead	MG/KG	63	141	136	179	261	196 J
Magnesium	MG/KG	-	1,430	1,810	1,470	1,260	2,830
Manganese	MG/KG	1600	190	194	199	627	219 J

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			HA-01	HA-01	HA-02	HA-02	HA-03
Sample ID			HA-1 (1-2)	HA-1 (2-3)	HA-2 (1.5-2)	HA-2 (3)	HA-3 (1-1.5)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			1.0-2.0	2.0-3.0	1.5-2.0	3.0-3.0	1.0-1.5
Date Sampled			05/14/13	05/14/13	05/14/13	05/14/13	05/23/13
Parameter	**Units**	**Criteria***					
Metals							
Mercury	MG/KG	0.18	0.071	0.097	0.13	0.54	0.17
Nickel	MG/KG	30	6.4	10.3	6.9	13.4	7.2 J
Potassium	MG/KG	-	5.9 U	6.1 U	365 U	7.1 U	674 U
Selenium	MG/KG	3.9	0.28 U	0.29 U	0.31 U	1.1 U	0.33 U
Silver	MG/KG	2	0.024 U	0.026 U	0.13 U	0.24 U	0.029 U
Sodium	MG/KG	-	40.5 J	167 J	78.4 J	254 J	182 U
Thallium	MG/KG	5	0.23 U	0.24 U	0.26 J	0.27 U	0.27 U
Vanadium	MG/KG	39	17.1	25.9	17.1	27.5	17.2
Zinc	MG/KG	109	192 J	204 J	310 J	381 J	211

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.
U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			HA-03	HA-03	HA-04	HA-04	HA-05
Sample ID			HA-3 (1-1.5) DUP	HA-3 (3-3.5)	HA-4 (1-1.5)	HA-4 (3-3.5)	HA-5 (1-1.5)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			1.0-1.5	3.0-3.5	1.0-1.5	3.0-3.5	1.0-1.5
Date Sampled			05/23/13	05/23/13	05/23/13	05/23/13	05/23/13
Parameter	Units	Criteria*	Field Duplicate (1-1)				
Volatile Organic Compounds							
1,1,1-Trichloroethane	MG/KG	0.68	0.013 UJ	0.013 UJ	0.012 UJ	0.012 UJ	0.012 UJ
1,1,2,2-Tetrachloroethane	MG/KG	0.6	0.013 UJ	0.013 UJ	0.012 UJ	0.012 UJ	0.012 UJ
1,1,2-Trichloro-1,2,2-trifluoroethane	MG/KG	6	0.013 UJ	0.013 UJ	0.012 UJ	0.012 UJ	0.012 UJ
1,1,2-Trichloroethane	MG/KG	-	0.013 UJ	0.013 UJ	0.012 UJ	0.012 UJ	0.012 UJ
1,1-Dichloroethane	MG/KG	0.27	0.013 UJ	0.013 UJ	0.012 UJ	0.012 UJ	0.012 UJ
1,1-Dichloroethene	MG/KG	0.33	0.013 UJ	0.013 UJ	0.012 UJ	0.012 UJ	0.012 UJ
1,2,4-Trichlorobenzene	MG/KG	3.4	0.013 UJ	0.013 UJ	0.012 UJ	0.012 UJ	0.012 UJ
1,2-Dibromo-3-chloropropane	MG/KG	-	0.013 UJ	0.013 UJ	0.012 UJ	0.012 UJ	0.012 UJ
1,2-Dibromoethane (Ethylene dibromide)	MG/KG	-	0.013 UJ	0.013 UJ	0.012 UJ	0.012 UJ	0.012 UJ
1,2-Dichlorobenzene	MG/KG	1.1	0.013 UJ	0.013 UJ	0.012 UJ	0.012 UJ	0.012 UJ
1,2-Dichloroethane	MG/KG	0.02	0.013 UJ	0.013 UJ	0.012 UJ	0.012 UJ	0.012 UJ
1,2-Dichloroethene (cis)	MG/KG	0.25	0.013 UJ	0.013 UJ	0.012 UJ	0.012 UJ	0.012 UJ
1,2-Dichloroethene (trans)	MG/KG	0.19	0.013 UJ	0.013 UJ	0.012 UJ	0.012 UJ	0.012 UJ
1,2-Dichloropropane	MG/KG	700	0.013 UJ	0.013 UJ	0.012 UJ	0.012 UJ	0.012 UJ
1,3-Dichlorobenzene	MG/KG	2.4	0.013 UJ	0.013 UJ	0.012 UJ	0.012 UJ	0.012 UJ
1,3-Dichloropropene (cis)	MG/KG	-	0.013 UJ	0.013 UJ	0.012 UJ	0.012 UJ	0.012 UJ
1,3-Dichloropropene (trans)	MG/KG	-	0.013 UJ	0.013 UJ	0.012 UJ	0.012 UJ	0.012 UJ
1,4-Dichlorobenzene	MG/KG	1.8	0.013 UJ	0.013 UJ	0.012 UJ	0.012 UJ	0.012 UJ
2-Hexanone	MG/KG	-	0.013 UJ	0.013 UJ	0.012 UJ	0.012 UJ	0.012 UJ
4-Methyl-2-pentanone	MG/KG	1	0.013 UJ	0.013 UJ	0.012 UJ	0.012 UJ	0.012 UJ
Acetone	MG/KG	0.05	0.013 UJ	0.027 J	0.012 UJ	0.13 J	0.012 UJ
Benzene	MG/KG	0.06	0.013 UJ	0.013 UJ	0.012 UJ	0.012 UJ	0.012 UJ
Bromodichloromethane	MG/KG	-	0.013 UJ	0.013 UJ	0.012 UJ	0.012 UJ	0.012 UJ
Bromoform	MG/KG	-	0.013 UJ	0.013 UJ	0.012 UJ	0.012 UJ	0.012 UJ
Bromomethane	MG/KG	-	0.013 UJ	0.013 UJ	0.012 UJ	0.012 UJ	0.012 UJ

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			HA-03	HA-03	HA-04	HA-04	HA-05
Sample ID			HA-3 (1-1.5) DUP	HA-3 (3-3.5)	HA-4 (1-1.5)	HA-4 (3-3.5)	HA-5 (1-1.5)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			1.0-1.5	3.0-3.5	1.0-1.5	3.0-3.5	1.0-1.5
Date Sampled			05/23/13	05/23/13	05/23/13	05/23/13	05/23/13
Parameter	**Units**	**Criteria***	Field Duplicate (1-1)				
Volatile Organic Compounds							
Carbon disulfide	MG/KG	2.7	0.013 UJ	0.013 UJ	0.012 UJ	0.012 UJ	0.012 UJ
Carbon tetrachloride	MG/KG	0.76	0.013 UJ	0.013 UJ	0.012 UJ	0.012 UJ	0.012 UJ
Chlorobenzene	MG/KG	1.1	0.013 UJ	0.013 UJ	0.012 UJ	0.012 UJ	0.012 UJ
Chloroethane	MG/KG	1.9	0.013 UJ	0.013 UJ	0.012 UJ	0.012 UJ	0.012 UJ
Chloroform	MG/KG	0.37	0.013 UJ	0.013 UJ	0.012 UJ	0.012 UJ	0.012 UJ
Chloromethane	MG/KG	-	0.013 UJ	0.013 UJ	0.012 UJ	0.012 UJ	0.012 UJ
Cyclohexane	MG/KG	-	0.013 UJ	0.013 UJ	0.012 UJ	0.012 UJ	0.012 UJ
Dibromochloromethane	MG/KG	10	0.013 UJ	0.013 UJ	0.012 UJ	0.012 UJ	0.012 UJ
Dichlorodifluoromethane	MG/KG	-	0.013 UJ	0.013 UJ	0.012 UJ	0.012 UJ	0.012 UJ
Ethylbenzene	MG/KG	1	0.013 UJ	0.013 UJ	0.012 UJ	0.012 UJ	0.012 UJ
Isopropylbenzene (Cumene)	MG/KG	2.3	0.013 UJ	0.013 UJ	0.012 UJ	0.012 UJ	0.012 UJ
Methyl acetate	MG/KG	-	0.013 UJ	0.013 UJ	0.012 UJ	0.012 UJ	0.012 UJ
Methyl ethyl ketone (2-Butanone)	MG/KG	0.12	0.013 UJ	0.0090 J	0.012 UJ	0.027 J	0.012 UJ
Methyl tert-butyl ether	MG/KG	0.93	0.013 UJ	0.013 UJ	0.012 UJ	0.012 UJ	0.012 UJ
Methylcyclohexane	MG/KG	-	0.013 UJ	0.013 UJ	0.012 UJ	0.012 UJ	0.012 UJ
Methylene chloride	MG/KG	0.05	0.013 UJ	0.013 UJ	0.012 UJ	0.012 UJ	0.012 UJ
Styrene	MG/KG	300	0.013 UJ	0.013 UJ	0.012 UJ	0.012 UJ	0.012 UJ
Tetrachloroethene	MG/KG	1.3	0.013 UJ	0.013 UJ	0.012 UJ	0.012 UJ	0.012 UJ
Toluene	MG/KG	0.7	0.013 UJ	0.013 UJ	0.012 UJ	0.012 UJ	0.012 UJ
Trichloroethene	MG/KG	0.47	0.013 UJ	0.013 UJ	0.012 UJ	0.012 UJ	0.012 UJ
Trichlorofluoromethane	MG/KG	-	0.013 UJ	0.013 UJ	0.012 UJ	0.012 UJ	0.012 UJ
Vinyl chloride	MG/KG	0.02	0.013 UJ	0.013 UJ	0.012 UJ	0.012 UJ	0.012 UJ
Xylene (total)	MG/KG	0.26	0.013 UJ	0.013 UJ	0.012 UJ	0.012 UJ	0.012 UJ
Semivolatile Organic Compounds							
1,1-Biphenyl	MG/KG	60	0.42 U	0.42 U	0.38 U	0.39 U	0.40 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			HA-03	HA-03	HA-04	HA-04	HA-05
Sample ID			HA-3 (1-1.5) DUP	HA-3 (3-3.5)	HA-4 (1-1.5)	HA-4 (3-3.5)	HA-5 (1-1.5)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			1.0-1.5	3.0-3.5	1.0-1.5	3.0-3.5	1.0-1.5
Date Sampled			05/23/13	05/23/13	05/23/13	05/23/13	05/23/13
Parameter	**Units**	**Criteria***	Field Duplicate (1-1)				
Semivolatile Organic Compounds							
2,2-oxybis(1-Chloropropane)	MG/KG	-	0.42 UJ	0.42 UJ	0.38 UJ	0.39 UJ	0.40 UJ
2,4,5-Trichlorophenol	MG/KG	0.1	1.1 U	1.0 U	0.97 U	0.98 U	1.0 U
2,4,6-Trichlorophenol	MG/KG	10	0.42 U	0.42 U	0.38 U	0.39 U	0.40 U
2,4-Dichlorophenol	MG/KG	0.4	0.42 U	0.42 U	0.38 U	0.39 U	0.40 U
2,4-Dimethylphenol	MG/KG	-	0.42 UJ	0.42 UJ	0.38 UJ	0.39 UJ	0.40 UJ
2,4-Dinitrophenol	MG/KG	0.2	1.1 U	1.0 U	0.97 U	0.98 U	1.0 U
2,4-Dinitrotoluene	MG/KG	-	0.42 U	0.42 U	0.38 U	0.39 U	0.40 U
2,6-Dinitrotoluene	MG/KG	0.17	0.42 U	0.42 U	0.38 U	0.39 U	0.40 U
2-Chloronaphthalene	MG/KG	-	0.42 U	0.42 U	0.38 U	0.39 U	0.40 U
2-Chlorophenol	MG/KG	0.8	0.42 U	0.42 U	0.38 U	0.39 U	0.40 U
2-Methylnaphthalene	MG/KG	0.41	0.42 U	0.42 U	0.38 U	0.39 U	0.40 U
2-Methylphenol (o-cresol)	MG/KG	0.33	0.25 U	0.25 U	0.23 U	0.24 U	0.24 U
2-Nitroaniline	MG/KG	0.4	1.1 U	1.0 U	0.97 U	0.98 U	1.0 U
2-Nitrophenol	MG/KG	0.3	0.42 U	0.42 U	0.38 U	0.39 U	0.40 U
3,3-Dichlorobenzidine	MG/KG	-	0.42 U	0.42 U	0.38 U	0.39 U	0.40 U
3-Nitroaniline	MG/KG	0.5	1.1 U	1.0 U	0.97 U	0.98 U	1.0 U
4,6-Dinitro-2-methylphenol	MG/KG	-	1.1 U	1.0 U	0.97 U	0.98 U	1.0 U
4-Bromophenyl-phenylether	MG/KG	-	0.42 U	0.42 U	0.38 U	0.39 U	0.40 U
4-Chloro-3-methylphenol	MG/KG	-	0.42 U	0.42 U	0.38 U	0.39 U	0.40 U
4-Chloroaniline	MG/KG	0.22	0.42 U	0.42 U	0.38 U	0.39 U	0.40 U
4-Chlorophenyl-phenylether	MG/KG	-	0.42 U	0.42 U	0.38 U	0.39 U	0.40 U
4-Methylphenol (p-cresol)	MG/KG	0.33	0.25 U	0.25 U	0.23 U	6.3	0.24 U
4-Nitroaniline	MG/KG	-	1.1 U	1.0 U	0.97 U	0.98 U	1.0 U
4-Nitrophenol	MG/KG	0.1	1.1 U	1.0 U	0.97 U	0.98 U	1.0 U
Acenaphthene	MG/KG	20	0.42 U	0.42 U	0.38 U	0.39 U	0.40 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			HA-03	HA-03	HA-04	HA-04	HA-05
Sample ID			HA-3 (1-1.5) DUP	HA-3 (3-3.5)	HA-4 (1-1.5)	HA-4 (3-3.5)	HA-5 (1-1.5)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			1.0-1.5	3.0-3.5	1.0-1.5	3.0-3.5	1.0-1.5
Date Sampled			05/23/13	05/23/13	05/23/13	05/23/13	05/23/13
Parameter	**Units**	**Criteria***	Field Duplicate (1-1)				
Semivolatile Organic Compounds							
Acenaphthylene	MG/KG	100	0.42 U	0.42 U	0.38 U	0.39 U	0.40 U
Acetophenone	MG/KG	-	0.42 UJ	0.42 UJ	0.38 UJ	0.39 UJ	0.40 UJ
Anthracene	MG/KG	100	0.42 U	0.42 U	0.38 U	0.39 U	0.40 U
Atrazine	MG/KG	-	0.42 U	0.42 U	0.38 U	0.39 U	0.40 U
Benzaldehyde	MG/KG	-	0.42 UJ	0.42 UJ	0.38 UJ	0.39 UJ	0.40 UJ
Benzo(a)anthracene	MG/KG	1	0.42 U	0.42 U	0.38 U	0.16 J	0.16 J
Benzo(a)pyrene	MG/KG	1	0.42 U	0.42 U	0.38 U	0.15 J	0.14 J
Benzo(b)fluoranthene	MG/KG	1	0.42 U	0.42 U	0.38 U	0.23 J	0.24 J
Benzo(g,h,i)perylene	MG/KG	100	0.42 U	0.42 U	0.38 U	0.10 J	0.11 J
Benzo(k)fluoranthene	MG/KG	0.8	0.42 U	0.42 U	0.38 U	0.11 J	0.093 J
bis(2-Chloroethoxy)methane	MG/KG	-	0.42 U	0.42 U	0.38 U	0.39 U	0.40 U
bis(2-Chloroethyl)ether	MG/KG	-	0.42 U	0.42 U	0.38 U	0.39 U	0.40 U
bis(2-Ethylhexyl)phthalate	MG/KG	50	0.42 U	0.12 J	0.38 U	0.39 U	0.40 U
Butylbenzylphthalate	MG/KG	100	0.42 U	0.42 U	0.38 U	0.39 U	0.40 U
Caprolactam	MG/KG	-	0.42 U	0.42 U	0.38 U	0.39 U	0.40 U
Carbazole	MG/KG	-	0.42 U	0.42 U	0.38 U	0.18 J	0.17 J
Chrysene	MG/KG	1	0.42 U	0.42 U	0.38 U	0.25 J	0.25 J
Dibenz(a,h)anthracene	MG/KG	0.33	0.25 U	0.25 U	0.23 U	0.24 U	0.24 U
Dibenzofuran	MG/KG	7	0.42 U	0.42 U	0.38 U	0.39 U	0.40 U
Diethylphthalate	MG/KG	7.1	0.42 U	0.42 U	0.38 U	0.39 U	0.40 U
Dimethylphthalate	MG/KG	27	0.42 U	0.42 U	0.38 U	0.39 U	0.40 U
Di-n-butylphthalate	MG/KG	0.014	0.42 U	0.42 U	0.38 U	0.39 U	0.40 U
Di-n-octylphthalate	MG/KG	100	0.42 U	0.42 U	0.38 U	0.39 U	0.40 U
Fluoranthene	MG/KG	100	0.42 U	0.42 U	0.38 U	0.50	0.42
Fluorene	MG/KG	30	0.42 U	0.42 U	0.38 U	0.39 U	0.40 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			HA-03	HA-03	HA-04	HA-04	HA-05
Sample ID			HA-3 (1-1.5) DUP	HA-3 (3-3.5)	HA-4 (1-1.5)	HA-4 (3-3.5)	HA-5 (1-1.5)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			1.0-1.5	3.0-3.5	1.0-1.5	3.0-3.5	1.0-1.5
Date Sampled			05/23/13	05/23/13	05/23/13	05/23/13	05/23/13
Parameter	**Units**	**Criteria***	Field Duplicate (1-1)				
Semivolatile Organic Compounds							
Hexachlorobenzene	MG/KG	0.33	0.42 U	0.42 U	0.38 U	0.39 U	0.40 U
Hexachlorobutadiene	MG/KG	-	0.42 U	0.42 U	0.38 U	0.39 U	0.40 U
Hexachlorocyclopentadiene	MG/KG	10	0.42 UJ	0.42 UJ	0.38 UJ	0.39 UJ	0.40 UJ
Hexachloroethane	MG/KG	-	0.42 U	0.42 U	0.38 U	0.39 U	0.40 U
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	0.42 U	0.42 U	0.38 U	0.098 J	0.098 J
Isophorone	MG/KG	4.4	0.42 U	0.42 U	0.38 U	0.39 U	0.40 U
Naphthalene	MG/KG	12	0.42 U	0.42 U	0.38 U	0.097 J	0.40 U
Nitrobenzene	MG/KG	0.17	0.42 U	0.42 U	0.38 U	0.39 U	0.40 U
N-Nitroso-di-n-propylamine	MG/KG	-	0.42 UJ	0.42 UJ	0.38 UJ	0.39 UJ	0.40 UJ
N-Nitrosodiphenylamine	MG/KG	20	0.42 U	0.42 U	0.38 U	0.39 U	0.40 U
Pentachlorophenol	MG/KG	0.8	0.64 U	0.63 U	0.58 U	0.59 U	0.60 U
Phenanthrene	MG/KG	100	0.42 U	0.42 U	0.38 U	0.44	0.30 J
Phenol	MG/KG	0.33	0.25 U	0.25 U	0.23 U	0.10 J	0.24 U
Pyrene	MG/KG	100	0.42 U	0.42 U	0.38 U	0.44	0.38 J
Pesticide Organic Compounds							
4,4'-DDD	MG/KG	0.0033	0.0020 U	0.0020 U	0.0020 U	0.0028 J	0.0021 NJ
4,4'-DDE	MG/KG	0.0033	0.0020 U	0.0020 U	0.0020 U	0.0022	0.0050 J
4,4'-DDT	MG/KG	0.0033	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0021
Aldrin	MG/KG	0.005	0.0030 U	0.0030 U	0.0030 U	0.0030 U	0.0030 U
alpha-BHC	MG/KG	0.02	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
alpha-Chlordane	MG/KG	0.094	0.0020 U	0.0020 U	0.0020 U	0.0011 J	0.0020 U
beta-BHC	MG/KG	0.036	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
delta-BHC	MG/KG	0.04	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Dieldrin	MG/KG	0.005	0.018	0.0030 U	0.0026 NJ	0.014	0.0052
Dimethoate	MG/KG	-	0.040 U	0.041 U	0.038 U	0.039 U	0.040 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			HA-03	HA-03	HA-04	HA-04	HA-05
Sample ID			HA-3 (1-1.5) DUP	HA-3 (3-3.5)	HA-4 (1-1.5)	HA-4 (3-3.5)	HA-5 (1-1.5)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			1.0-1.5	3.0-3.5	1.0-1.5	3.0-3.5	1.0-1.5
Date Sampled			05/23/13	05/23/13	05/23/13	05/23/13	05/23/13
Parameter	**Units**	**Criteria***	Field Duplicate (1-1)				
Pesticide Organic Compounds							
Disulfoton	MG/KG	-	0.040 U	0.041 U	0.038 U	0.039 U	0.040 U
Endosulfan I	MG/KG	2.4	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Endosulfan II	MG/KG	2.4	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endosulfan sulfate	MG/KG	2.4	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endrin	MG/KG	0.014	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endrin aldehyde	MG/KG	-	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endrin ketone	MG/KG	-	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Famphur	MG/KG	-	0.040 U	0.041 U	0.038 U	0.039 U	0.040 U
gamma-BHC (Lindane)	MG/KG	0.1	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
gamma-Chlordane	MG/KG	0.54	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Heptachlor	MG/KG	0.042	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Heptachlor epoxide	MG/KG	0.02	0.0020 U	0.0020 U	0.0020 U	0.0011 J	0.0020 U
Methoxychlor	MG/KG	1.2	0.021 U	0.021 U	0.020 U	0.020 U	0.020 U
Methyl parathion	MG/KG	-	0.040 U	0.041 U	0.038 U	0.039 U	0.040 U
Parathion	MG/KG	1.2	0.040 U	0.041 U	0.038 U	0.039 U	0.040 U
Phorate	MG/KG	-	0.040 U	0.041 U	0.038 U	0.039 U	0.040 U
Thionazin	MG/KG	-	0.040 U	0.041 U	0.038 U	0.039 U	0.040 U
Toxaphene	MG/KG	-	0.21 U	0.21 U	0.20 U	0.20 U	0.20 U
Herbicides							
2,4,5-T	MG/KG	1.9	0.006 U	R	0.006 U	0.006 U	0.006 U
2,4,5-TP (Silvex)	MG/KG	3.8	0.006 U	0.006 U	0.006 U	R	0.006 U
2,4-D	MG/KG	0.5	0.013 U	0.013 U	0.012 U	0.012 U	0.012 U
2,4-DB	MG/KG	-	0.013 U	0.0075 J	0.012 U	0.012 U	0.016
Dicamba	MG/KG	-	0.004 U	0.004 U	0.003 U	0.004 U	0.004 U
Dinoseb	MG/KG	-	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.
U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			HA-03	HA-03	HA-04	HA-04	HA-05
Sample ID			HA-3 (1-1.5) DUP	HA-3 (3-3.5)	HA-4 (1-1.5)	HA-4 (3-3.5)	HA-5 (1-1.5)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			1.0-1.5	3.0-3.5	1.0-1.5	3.0-3.5	1.0-1.5
Date Sampled			05/23/13	05/23/13	05/23/13	05/23/13	05/23/13
Parameter	**Units**	**Criteria***	Field Duplicate (1-1)				
Herbicides							
Picrolam	MG/KG	-	0.013 U	0.013 U	0.012 U	R	0.012 U
Polychlorinated Biphenyls							
Aroclor 1016	MG/KG	-	0.042 U	0.042 U	0.039 U	0.039 U	0.040 U
Aroclor 1221	MG/KG	-	0.086 U	0.085 U	0.078 U	0.079 U	0.081 U
Aroclor 1232	MG/KG	-	0.042 U	0.042 U	0.039 U	0.039 U	0.040 U
Aroclor 1242	MG/KG	-	0.042 U	0.042 U	0.039 U	0.039 U	0.040 U
Aroclor 1248	MG/KG	-	0.042 U	0.042 U	0.039 U	0.039 U	0.040 U
Aroclor 1254	MG/KG	-	0.042 U	0.042 U	0.039 U	0.039 U	0.040 U
Aroclor 1260	MG/KG	-	0.042 U	0.042 U	0.039 U	0.039 U	0.040 U
Total Polychlorinated Biphenyls	MG/KG	0.1	ND	ND	ND	ND	ND
Metals							
Aluminum	MG/KG	10000	7,070	9,140	4,560	8,500	8,300
Antimony	MG/KG	12	1.3 U	0.45 U	0.47 U	0.54 U	0.56 U
Arsenic	MG/KG	13	13.4 J	3.1	3.9	4.5	4.9
Barium	MG/KG	350	75.9	59.6	38.4	52.6	101
Beryllium	MG/KG	7.2	0.47 J	0.39 J	0.21 J	0.40 J	0.41 J
Cadmium	MG/KG	2.5	0.013 U	0.013 U	0.012 U	0.012 U	0.012 U
Calcium	MG/KG	10000	3,780	2,800	2,650	2,520	4,370
Chromium	MG/KG	30	19.8	13.4	13.3	16.0	16.1
Cobalt	MG/KG	20	11.0	5.1 J	3.4 J	6.5	6.0 J
Copper	MG/KG	50	23.1	20.3	9.5	17.8	19.5
Iron	MG/KG	2000	26,600 J	13,000	9,430	16,200	16,300
Lead	MG/KG	63	103 J	154	58.0	146	192
Magnesium	MG/KG	-	1,950	1,740	1,520	2,380	2,280
Manganese	MG/KG	1600	615 J	179 J	151 J	492 J	281 J

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			HA-03	HA-03	HA-04	HA-04	HA-05
Sample ID			HA-3 (1-1.5) DUP	HA-3 (3-3.5)	HA-4 (1-1.5)	HA-4 (3-3.5)	HA-5 (1-1.5)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			1.0-1.5	3.0-3.5	1.0-1.5	3.0-3.5	1.0-1.5
Date Sampled			05/23/13	05/23/13	05/23/13	05/23/13	05/23/13
Parameter	**Units**	**Criteria***	Field Duplicate (1-1)				
Metals							
Mercury	MG/KG	0.18	0.17	0.13	0.059	0.11	0.11
Nickel	MG/KG	30	13.5 J	8.3	4.8	10.9	8.7
Potassium	MG/KG	-	759	826	506 U	1,800	867
Selenium	MG/KG	3.9	0.29 U	0.29 U	0.27 U	0.27 U	0.28 U
Silver	MG/KG	2	0.026 U	0.025 U	0.023 U	0.024 U	0.024 U
Sodium	MG/KG	-	161 U	160 U	148 U	173 J	153 U
Thallium	MG/KG	5	0.24 U	0.24 U	0.22 U	0.23 U	0.23 U
Vanadium	MG/KG	39	22.8	21.5	12.0	19.0	22.6
Zinc	MG/KG	109	189	177	63.7	173	199

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			HA-05	MW-01	MW-01	MW-01	MW-01
Sample ID			HA-5 (3-3.5)	MW-1 (0-2)	MW-1 (2-4)	MW-1 (4-6)	MW-1 (6-8)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			3.0-3.5	0.0-2.0	2.0-4.0	4.0-6.0	6.0-8.0
Date Sampled			05/23/13	05/13/13	05/13/13	05/13/13	05/13/13
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
1,1,1-Trichloroethane	MG/KG	0.68	0.012 UJ	0.012 U	0.011 U	0.012 U	0.013 U
1,1,2,2-Tetrachloroethane	MG/KG	0.6	0.012 UJ	0.012 U	0.011 U	0.012 U	0.013 U
1,1,2-Trichloro-1,2,2-trifluoroethane	MG/KG	6	0.012 UJ	0.012 U	0.011 U	0.012 U	0.013 U
1,1,2-Trichloroethane	MG/KG	-	0.012 UJ	0.012 U	0.011 U	0.012 U	0.013 U
1,1-Dichloroethane	MG/KG	0.27	0.012 UJ	0.012 U	0.011 U	0.012 U	0.013 U
1,1-Dichloroethene	MG/KG	0.33	0.012 UJ	0.012 U	0.011 U	0.012 U	0.013 U
1,2,4-Trichlorobenzene	MG/KG	3.4	0.012 UJ	0.012 U	0.011 U	0.012 U	0.013 U
1,2-Dibromo-3-chloropropane	MG/KG	-	0.012 UJ	0.012 U	0.011 U	0.012 U	0.013 U
1,2-Dibromoethane (Ethylene dibromide)	MG/KG	-	0.012 UJ	0.012 U	0.011 U	0.012 U	0.013 U
1,2-Dichlorobenzene	MG/KG	1.1	0.012 UJ	0.012 U	0.011 U	0.012 U	0.013 U
1,2-Dichloroethane	MG/KG	0.02	0.012 UJ	0.012 U	0.011 U	0.012 U	0.013 U
1,2-Dichloroethene (cis)	MG/KG	0.25	0.012 UJ	0.012 U	0.011 U	0.012 U	0.013 U
1,2-Dichloroethene (trans)	MG/KG	0.19	0.012 UJ	0.012 U	0.011 U	0.012 U	0.013 U
1,2-Dichloropropane	MG/KG	700	0.012 UJ	0.012 U	0.011 U	0.012 U	0.013 U
1,3-Dichlorobenzene	MG/KG	2.4	0.012 UJ	0.012 U	0.011 U	0.012 U	0.013 U
1,3-Dichloropropene (cis)	MG/KG	-	0.012 UJ	0.012 U	0.011 U	0.012 U	0.013 U
1,3-Dichloropropene (trans)	MG/KG	-	0.012 UJ	0.012 U	0.011 U	0.012 U	0.013 U
1,4-Dichlorobenzene	MG/KG	1.8	0.012 UJ	0.012 U	0.011 U	0.012 U	0.013 U
2-Hexanone	MG/KG	-	0.012 UJ	0.012 UJ	0.011 UJ	0.012 UJ	0.013 UJ
4-Methyl-2-pentanone	MG/KG	1	0.012 UJ	0.012 UJ	0.011 UJ	0.012 UJ	0.013 UJ
Acetone	MG/KG	0.05	0.044 J	0.012 U	0.011 U	0.034	0.013 U
Benzene	MG/KG	0.06	0.012 UJ	0.012 U	0.011 U	0.012 U	0.013 U
Bromodichloromethane	MG/KG	-	0.012 UJ	0.012 U	0.011 U	0.012 U	0.013 U
Bromoform	MG/KG	-	0.012 UJ	0.012 UJ	0.011 UJ	0.012 UJ	0.013 UJ
Bromomethane	MG/KG	-	0.012 UJ	0.012 U	0.011 U	0.012 U	0.013 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			HA-05	MW-01	MW-01	MW-01	MW-01
Sample ID			HA-5 (3-3.5)	MW-1 (0-2)	MW-1 (2-4)	MW-1 (4-6)	MW-1 (6-8)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			3.0-3.5	0.0-2.0	2.0-4.0	4.0-6.0	6.0-8.0
Date Sampled			05/23/13	05/13/13	05/13/13	05/13/13	05/13/13
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
Carbon disulfide	MG/KG	2.7	0.012 UJ	0.012 U	0.011 U	0.012 U	0.013 U
Carbon tetrachloride	MG/KG	0.76	0.012 UJ	0.012 U	0.011 U	0.012 U	0.013 U
Chlorobenzene	MG/KG	1.1	0.012 UJ	0.012 U	0.011 U	0.012 U	0.013 U
Chloroethane	MG/KG	1.9	0.012 UJ	0.012 U	0.011 U	0.012 U	0.013 U
Chloroform	MG/KG	0.37	0.012 UJ	0.012 U	0.011 U	0.012 U	0.013 U
Chloromethane	MG/KG	-	0.012 UJ	0.012 U	0.011 U	0.012 U	0.013 U
Cyclohexane	MG/KG	-	0.012 UJ	0.012 U	0.011 U	0.012 U	0.013 U
Dibromochloromethane	MG/KG	10	0.012 UJ	0.012 U	0.011 U	0.012 U	0.013 U
Dichlorodifluoromethane	MG/KG	-	0.012 UJ	0.012 U	0.011 U	0.012 U	0.013 U
Ethylbenzene	MG/KG	1	0.012 UJ	0.012 U	0.011 U	0.012 U	0.013 U
Isopropylbenzene (Cumene)	MG/KG	2.3	0.012 UJ	0.012 U	0.011 U	0.012 U	0.013 U
Methyl acetate	MG/KG	-	0.012 UJ	0.012 U	0.011 U	0.012 U	0.013 U
Methyl ethyl ketone (2-Butanone)	MG/KG	0.12	0.011 J	0.012 UJ	0.011 UJ	0.012 UJ	0.013 UJ
Methyl tert-butyl ether	MG/KG	0.93	0.012 UJ	0.012 U	0.011 U	0.012 U	0.013 U
Methylcyclohexane	MG/KG	-	0.012 UJ	0.012 U	0.011 U	0.012 U	0.013 U
Methylene chloride	MG/KG	0.05	0.012 UJ	0.012 U	0.011 U	0.012 U	0.013 U
Styrene	MG/KG	300	0.012 UJ	0.012 U	0.011 U	0.012 U	0.013 U
Tetrachloroethene	MG/KG	1.3	0.012 UJ	0.012 U	0.011 U	0.012 U	0.013 U
Toluene	MG/KG	0.7	0.012 UJ	0.012 U	0.011 U	0.012 U	0.013 U
Trichloroethene	MG/KG	0.47	0.012 UJ	0.012 U	0.011 U	0.012 U	0.013 U
Trichlorofluoromethane	MG/KG	-	0.012 UJ	0.012 U	0.011 U	0.012 U	0.013 U
Vinyl chloride	MG/KG	0.02	0.012 UJ	0.012 U	0.011 U	0.012 U	0.013 U
Xylene (total)	MG/KG	0.26	0.012 UJ	0.012 U	0.011 U	0.012 U	0.013 U
Semivolatile Organic Compounds							
1,1-Biphenyl	MG/KG	60	0.41 U	0.38 U	0.37 U	0.40 U	0.43 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			HA-05	MW-01	MW-01	MW-01	MW-01
Sample ID			HA-5 (3-3.5)	MW-1 (0-2)	MW-1 (2-4)	MW-1 (4-6)	MW-1 (6-8)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			3.0-3.5	0.0-2.0	2.0-4.0	4.0-6.0	6.0-8.0
Date Sampled			05/23/13	05/13/13	05/13/13	05/13/13	05/13/13
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
2,2-oxybis(1-Chloropropane)	MG/KG	-	0.41 UJ	0.38 U	0.37 U	0.40 U	0.43 U
2,4,5-Trichlorophenol	MG/KG	0.1	1.0 U	0.95 U	0.94 U	1.0 U	1.1 U
2,4,6-Trichlorophenol	MG/KG	10	0.41 U	0.38 U	0.37 U	0.40 U	0.43 U
2,4-Dichlorophenol	MG/KG	0.4	0.41 U	0.38 U	0.37 U	0.40 U	0.43 U
2,4-Dimethylphenol	MG/KG	-	0.41 UJ	0.38 U	0.37 U	0.40 U	0.43 U
2,4-Dinitrophenol	MG/KG	0.2	1.0 U	0.95 U	0.94 U	1.0 U	1.1 U
2,4-Dinitrotoluene	MG/KG	-	0.41 U	0.38 U	0.37 U	0.40 U	0.43 U
2,6-Dinitrotoluene	MG/KG	0.17	0.41 U	0.38 U	0.37 U	0.40 U	0.43 U
2-Chloronaphthalene	MG/KG	-	0.41 U	0.38 U	0.37 U	0.40 U	0.43 U
2-Chlorophenol	MG/KG	0.8	0.41 U	0.38 U	0.37 U	0.40 U	0.43 U
2-Methylnaphthalene	MG/KG	0.41	0.41 U	0.084 J	0.37 U	0.40 U	0.43 U
2-Methylphenol (o-cresol)	MG/KG	0.33	0.25 U	0.23 U	0.23 U	0.24 U	0.26 U
2-Nitroaniline	MG/KG	0.4	1.0 U	0.95 U	0.94 U	1.0 U	1.1 U
2-Nitrophenol	MG/KG	0.3	0.41 U	0.38 U	0.37 U	0.40 U	0.43 U
3,3-Dichlorobenzidine	MG/KG	-	0.41 U	0.38 U	0.37 U	0.40 U	0.43 U
3-Nitroaniline	MG/KG	0.5	1.0 U	0.95 U	0.94 U	1.0 U	1.1 U
4,6-Dinitro-2-methylphenol	MG/KG	-	1.0 U	0.95 U	0.94 U	1.0 U	1.1 U
4-Bromophenyl-phenylether	MG/KG	-	0.41 U	0.38 U	0.37 U	0.40 U	0.43 U
4-Chloro-3-methylphenol	MG/KG	-	0.41 U	0.38 U	0.37 U	0.40 U	0.43 U
4-Chloroaniline	MG/KG	0.22	0.41 U	0.38 U	0.37 U	0.40 U	0.43 U
4-Chlorophenyl-phenylether	MG/KG	-	0.41 U	0.38 U	0.37 U	0.40 U	0.43 U
4-Methylphenol (p-cresol)	MG/KG	0.33	1.6	0.23 U	0.23 U	0.24 U	0.26 U
4-Nitroaniline	MG/KG	-	1.0 U	0.95 U	0.94 U	1.0 U	1.1 U
4-Nitrophenol	MG/KG	0.1	1.0 U	0.95 U	0.94 U	1.0 U	1.1 U
Acenaphthene	MG/KG	20	0.41 U	0.38 U	0.37 U	0.40 U	0.43 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			HA-05	MW-01	MW-01	MW-01	MW-01
Sample ID			HA-5 (3-3.5)	MW-1 (0-2)	MW-1 (2-4)	MW-1 (4-6)	MW-1 (6-8)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			3.0-3.5	0.0-2.0	2.0-4.0	4.0-6.0	6.0-8.0
Date Sampled			05/23/13	05/13/13	05/13/13	05/13/13	05/13/13
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
Acenaphthylene	MG/KG	100	0.41 U	0.099 J	0.37 U	0.40 U	0.43 U
Acetophenone	MG/KG	-	0.41 UJ	0.38 UJ	0.37 UJ	0.40 UJ	0.43 UJ
Anthracene	MG/KG	100	0.41 U	0.38 U	0.37 U	0.40 U	0.43 U
Atrazine	MG/KG	-	0.16 J	0.38 U	0.37 U	0.40 U	0.43 U
Benzaldehyde	MG/KG	-	0.41 UJ	0.38 UJ	0.37 UJ	0.40 UJ	0.43 UJ
Benzo(a)anthracene	MG/KG	1	0.11 J	0.17 J	0.37 U	0.40 U	0.43 U
Benzo(a)pyrene	MG/KG	1	0.10 J	0.15 J	0.37 U	0.40 U	0.43 U
Benzo(b)fluoranthene	MG/KG	1	0.16 J	0.22 J	0.086 J	0.40 U	0.43 U
Benzo(g,h,i)perylene	MG/KG	100	0.41 U	0.38 U	0.37 U	0.40 U	0.43 U
Benzo(k)fluoranthene	MG/KG	0.8	0.41 U	0.38 U	0.37 U	0.40 U	0.43 U
bis(2-Chloroethoxy)methane	MG/KG	-	0.41 U	0.38 U	0.37 U	0.40 U	0.43 U
bis(2-Chloroethyl)ether	MG/KG	-	0.41 U	0.38 U	0.37 U	0.40 U	0.43 U
bis(2-Ethylhexyl)phthalate	MG/KG	50	0.18 J	0.76	0.37 U	0.40 U	0.43 U
Butylbenzylphthalate	MG/KG	100	0.41 U	0.38 U	0.37 U	0.40 U	0.43 U
Caprolactam	MG/KG	-	0.41 U	0.38 U	0.37 U	0.40 U	0.43 U
Carbazole	MG/KG	-	0.18 J	0.38 U	0.37 U	0.40 U	0.43 U
Chrysene	MG/KG	1	0.17 J	0.19 J	0.37 U	0.40 U	0.43 U
Dibenz(a,h)anthracene	MG/KG	0.33	0.25 U	0.23 U	0.23 U	0.24 U	0.26 U
Dibenzofuran	MG/KG	7	0.41 U	0.38 U	0.37 U	0.40 U	0.43 U
Diethylphthalate	MG/KG	7.1	0.41 U	0.38 U	0.37 U	0.40 U	0.43 U
Dimethylphthalate	MG/KG	27	0.41 U	0.38 U	0.37 U	0.40 U	0.43 U
Di-n-butylphthalate	MG/KG	0.014	0.41 U	0.38 U	0.37 U	0.40 U	0.43 U
Di-n-octylphthalate	MG/KG	100	0.41 U	0.38 U	0.37 U	0.40 U	0.43 U
Fluoranthene	MG/KG	100	0.35 J	0.23 J	0.37 U	0.40 U	0.43 U
Fluorene	MG/KG	30	0.41 U	0.38 U	0.37 U	0.40 U	0.43 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.
U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			HA-05	MW-01	MW-01	MW-01	MW-01
Sample ID			HA-5 (3-3.5)	MW-1 (0-2)	MW-1 (2-4)	MW-1 (4-6)	MW-1 (6-8)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			3.0-3.5	0.0-2.0	2.0-4.0	4.0-6.0	6.0-8.0
Date Sampled			05/23/13	05/13/13	05/13/13	05/13/13	05/13/13
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
Hexachlorobenzene	MG/KG	0.33	0.41 U	0.38 U	0.37 U	0.40 U	0.43 U
Hexachlorobutadiene	MG/KG	-	0.41 U	0.38 U	0.37 U	0.40 U	0.43 U
Hexachlorocyclopentadiene	MG/KG	10	0.41 UJ	0.38 UJ	0.37 UJ	0.40 U	0.43 U
Hexachloroethane	MG/KG	-	0.41 U	0.38 U	0.37 U	0.40 U	0.43 U
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	0.41 U	0.38 U	0.37 U	0.40 U	0.43 U
Isophorone	MG/KG	4.4	0.41 U	0.38 U	0.37 U	0.40 U	0.43 U
Naphthalene	MG/KG	12	0.41 U	0.38 U	0.37 U	0.40 U	0.43 U
Nitrobenzene	MG/KG	0.17	0.41 U	0.38 U	0.37 U	0.40 U	0.43 U
N-Nitroso-di-n-propylamine	MG/KG	-	0.41 UJ	0.38 U	0.37 U	0.40 U	0.43 U
N-Nitrosodiphenylamine	MG/KG	20	0.41 U	0.38 U	0.37 U	0.40 U	0.43 U
Pentachlorophenol	MG/KG	0.8	0.62 U	0.57 U	0.56 U	0.61 U	0.65 U
Phenanthrene	MG/KG	100	0.32 J	0.31 J	0.37 U	0.40 U	0.43 U
Phenol	MG/KG	0.33	0.21 J	0.23 U	0.23 U	0.24 U	0.26 U
Pyrene	MG/KG	100	0.30 J	0.33 J	0.37 U	0.40 U	0.43 U
Pesticide Organic Compounds							
4,4'-DDD	MG/KG	0.0033	0.0054	R	0.0020 U	0.0020 U	0.0020 U
4,4'-DDE	MG/KG	0.0033	0.0063 J	0.0018 J	0.0020 U	0.0020 U	0.0020 U
4,4'-DDT	MG/KG	0.0033	R	0.0058	0.0020 U	0.0020 U	0.0020 U
Aldrin	MG/KG	0.005	0.0030 U	0.0030 U	0.0030 U	0.0030 U	0.0030 U
alpha-BHC	MG/KG	0.02	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
alpha-Chlordane	MG/KG	0.094	0.0013 J	0.0020 U	0.0020 U	0.0020 U	0.0020 U
beta-BHC	MG/KG	0.036	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
delta-BHC	MG/KG	0.04	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Dieldrin	MG/KG	0.005	0.032	0.0030 U	0.0030 U	0.0030 U	0.0030 U
Dimethoate	MG/KG	-	0.041 U	0.038 U	0.037 U	0.040 U	0.043 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			HA-05	MW-01	MW-01	MW-01	MW-01
Sample ID			HA-5 (3-3.5)	MW-1 (0-2)	MW-1 (2-4)	MW-1 (4-6)	MW-1 (6-8)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			3.0-3.5	0.0-2.0	2.0-4.0	4.0-6.0	6.0-8.0
Date Sampled			05/23/13	05/13/13	05/13/13	05/13/13	05/13/13
Parameter	**Units**	**Criteria***					
Pesticide Organic Compounds							
Disulfoton	MG/KG	-	0.041 U	0.038 U	0.037 U	0.040 U	0.043 U
Endosulfan I	MG/KG	2.4	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Endosulfan II	MG/KG	2.4	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endosulfan sulfate	MG/KG	2.4	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endrin	MG/KG	0.014	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endrin aldehyde	MG/KG	-	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endrin ketone	MG/KG	-	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Famphur	MG/KG	-	0.041 U	0.038 U	0.037 U	0.040 U	0.043 U
gamma-BHC (Lindane)	MG/KG	0.1	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
gamma-Chlordane	MG/KG	0.54	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Heptachlor	MG/KG	0.042	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Heptachlor epoxide	MG/KG	0.02	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Methoxychlor	MG/KG	1.2	0.021 U	0.020 U	0.019 U	0.021 U	0.022 U
Methyl parathion	MG/KG	-	0.041 U	0.038 U	0.037 U	0.040 U	0.043 U
Parathion	MG/KG	1.2	0.041 U	0.038 U	0.037 U	0.040 U	0.043 U
Phorate	MG/KG	-	0.041 U	0.038 U	0.037 U	0.040 U	0.043 U
Thionazin	MG/KG	-	0.041 U	0.038 U	0.037 U	0.040 U	0.043 U
Toxaphene	MG/KG	-	0.21 U	0.20 U	0.19 U	0.21 U	0.22 U
Herbicides							
2,4,5-T	MG/KG	1.9	0.0062 J	0.006 U	0.006 U	0.006 U	0.007 U
2,4,5-TP (Silvex)	MG/KG	3.8	0.006 U	0.006 U	0.006 U	0.006 U	0.007 U
2,4-D	MG/KG	0.5	0.012 U	0.011 U	0.011 U	0.012 U	0.013 U
2,4-DB	MG/KG	-	R	0.011 U	0.011 U	0.012 U	0.019 J
Dicamba	MG/KG	-	0.004 U	0.003 U	0.003 U	0.004 U	0.004 U
Dinoseb	MG/KG	-	0.0058 NJ	0.005 U	0.004 U	0.005 U	0.005 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			HA-05	MW-01	MW-01	MW-01	MW-01
Sample ID			HA-5 (3-3.5)	MW-1 (0-2)	MW-1 (2-4)	MW-1 (4-6)	MW-1 (6-8)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			3.0-3.5	0.0-2.0	2.0-4.0	4.0-6.0	6.0-8.0
Date Sampled			05/23/13	05/13/13	05/13/13	05/13/13	05/13/13
Parameter	**Units**	**Criteria***					
Herbicides							
Picrolam	MG/KG	-	0.012 UJ	0.011 U	0.011 U	0.012 U	0.013 U
Polychlorinated Biphenyls							
Aroclor 1016	MG/KG	-	0.041 U	0.038 U	0.037 U	0.040 U	0.043 U
Aroclor 1221	MG/KG	-	0.084 U	0.077 U	0.075 U	0.081 U	0.087 U
Aroclor 1232	MG/KG	-	0.041 U	0.038 U	0.037 U	0.040 U	0.043 U
Aroclor 1242	MG/KG	-	0.041 U	0.038 U	0.037 U	0.040 U	0.043 U
Aroclor 1248	MG/KG	-	0.041 U	0.038 U	0.037 U	0.040 U	0.043 U
Aroclor 1254	MG/KG	-	0.041 U	0.038 U	0.037 U	0.040 U	0.043 U
Aroclor 1260	MG/KG	-	0.041 U	0.038 U	0.037 U	0.040 U	0.043 U
Total Polychlorinated Biphenyls	MG/KG	0.1	ND	ND	ND	ND	ND
Metals							
Aluminum	MG/KG	10000	7,160	4,930	6,780	9,290	10,400
Antimony	MG/KG	12	0.26 U	0.56 J	0.14 U	0.15 U	0.16 U
Arsenic	MG/KG	13	3.8	9.2	1.2	1.4	2.0
Barium	MG/KG	350	147	37.9	11.1 J	39.0	44.6
Beryllium	MG/KG	7.2	0.34 J	0.23 J	0.16 J	0.17 J	0.24 J
Cadmium	MG/KG	2.5	0.14 J	0.012 U	0.011 U	0.012 U	0.013 U
Calcium	MG/KG	10000	4,270	17,900	794	3,700	4,960
Chromium	MG/KG	30	13.9	15.8	6.9	16.4	21.1
Cobalt	MG/KG	20	7.5	5.3 J	3.0 J	7.1	8.2
Copper	MG/KG	50	17.5	36.8	5.3	5.4	6.7
Iron	MG/KG	2000	14,100	17,500	8,880	20,000	26,900
Lead	MG/KG	63	495	106	8.0	1.2	0.74
Magnesium	MG/KG	-	1,860	4,140	1,590	2,100	2,820
Manganese	MG/KG	1600	270 J	187	72.6	202	302

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			HA-05	MW-01	MW-01	MW-01	MW-01
Sample ID			HA-5 (3-3.5)	MW-1 (0-2)	MW-1 (2-4)	MW-1 (4-6)	MW-1 (6-8)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			3.0-3.5	0.0-2.0	2.0-4.0	4.0-6.0	6.0-8.0
Date Sampled			05/23/13	05/13/13	05/13/13	05/13/13	05/13/13
Parameter	**Units**	**Criteria***					
Metals							
Mercury	MG/KG	0.18	0.054	0.045	0.019 U	0.020 U	0.022 U
Nickel	MG/KG	30	8.1	10.3	4.3 J	6.8	7.5
Potassium	MG/KG	-	1,400	5.6 U	5.5 U	337 U	484 U
Selenium	MG/KG	3.9	0.29 U	0.26 U	0.26 U	0.28 U	0.30 U
Silver	MG/KG	2	0.025 U	0.023 U	0.023 U	0.024 U	0.026 U
Sodium	MG/KG	-	246 J	290 J	146 J	588 J	735
Thallium	MG/KG	5	0.24 U	0.22 U	0.21 U	0.23 U	0.25 U
Vanadium	MG/KG	39	18.9	17.0	12.4	30.4	41.5
Zinc	MG/KG	109	504	59.9	23.3	38.6	50.2

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.
U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			MW-01	MW-01	MW-01	MW-01	MW-02
Sample ID			MW-1 (8-10)	MW-1 (10-12)	MW-1 (12-14)	MW-1 (14-16)	MW-2 (0-0.5)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			8.0-10.0	10.0-12.0	12.0-14.0	14.0-16.0	0.0-0.5
Date Sampled			05/13/13	05/13/13	05/13/13	05/13/13	05/14/13
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
1,1,1-Trichloroethane	MG/KG	0.68	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U
1,1,2,2-Tetrachloroethane	MG/KG	0.6	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U
1,1,2-Trichloro-1,2,2-trifluoroethane	MG/KG	6	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U
1,1,2-Trichloroethane	MG/KG	-	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U
1,1-Dichloroethane	MG/KG	0.27	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U
1,1-Dichloroethene	MG/KG	0.33	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U
1,2,4-Trichlorobenzene	MG/KG	3.4	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U
1,2-Dibromo-3-chloropropane	MG/KG	-	0.013 U	0.013 U	0.013 U	0.013 U	0.011 UJ
1,2-Dibromoethane (Ethylene dibromide)	MG/KG	-	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U
1,2-Dichlorobenzene	MG/KG	1.1	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U
1,2-Dichloroethane	MG/KG	0.02	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U
1,2-Dichloroethene (cis)	MG/KG	0.25	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U
1,2-Dichloroethene (trans)	MG/KG	0.19	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U
1,2-Dichloropropane	MG/KG	700	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U
1,3-Dichlorobenzene	MG/KG	2.4	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U
1,3-Dichloropropene (cis)	MG/KG	-	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U
1,3-Dichloropropene (trans)	MG/KG	-	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U
1,4-Dichlorobenzene	MG/KG	1.8	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U
2-Hexanone	MG/KG	-	0.013 UJ	0.013 UJ	0.013 UJ	0.013 UJ	0.011 U
4-Methyl-2-pentanone	MG/KG	1	0.013 UJ	0.013 UJ	0.013 UJ	0.013 UJ	0.011 U
Acetone	MG/KG	0.05	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U
Benzene	MG/KG	0.06	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U
Bromodichloromethane	MG/KG	-	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U
Bromoform	MG/KG	-	0.013 UJ	0.013 UJ	0.013 UJ	0.013 UJ	0.011 UJ
Bromomethane	MG/KG	-	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			MW-01	MW-01	MW-01	MW-01	MW-02
Sample ID			MW-1 (8-10)	MW-1 (10-12)	MW-1 (12-14)	MW-1 (14-16)	MW-2 (0-0.5)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			8.0-10.0	10.0-12.0	12.0-14.0	14.0-16.0	0.0-0.5
Date Sampled			05/13/13	05/13/13	05/13/13	05/13/13	05/14/13
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
Carbon disulfide	MG/KG	2.7	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U
Carbon tetrachloride	MG/KG	0.76	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U
Chlorobenzene	MG/KG	1.1	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U
Chloroethane	MG/KG	1.9	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U
Chloroform	MG/KG	0.37	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U
Chloromethane	MG/KG	-	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U
Cyclohexane	MG/KG	-	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U
Dibromochloromethane	MG/KG	10	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U
Dichlorodifluoromethane	MG/KG	-	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U
Ethylbenzene	MG/KG	1	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U
Isopropylbenzene (Cumene)	MG/KG	2.3	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U
Methyl acetate	MG/KG	-	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U
Methyl ethyl ketone (2-Butanone)	MG/KG	0.12	0.013 UJ	0.013 UJ	0.013 UJ	0.013 UJ	0.011 UJ
Methyl tert-butyl ether	MG/KG	0.93	0.013 U	0.013 U	0.013 U	0.013 U	0.011 UJ
Methylcyclohexane	MG/KG	-	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U
Methylene chloride	MG/KG	0.05	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U
Styrene	MG/KG	300	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U
Tetrachloroethene	MG/KG	1.3	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U
Toluene	MG/KG	0.7	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U
Trichloroethene	MG/KG	0.47	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U
Trichlorofluoromethane	MG/KG	-	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U
Vinyl chloride	MG/KG	0.02	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U
Xylene (total)	MG/KG	0.26	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U
Semivolatile Organic Compounds							
1,1-Biphenyl	MG/KG	60	0.42 U	0.42 U	0.41 U	0.42 U	0.35 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			MW-01	MW-01	MW-01	MW-01	MW-02
Sample ID			MW-1 (8-10)	MW-1 (10-12)	MW-1 (12-14)	MW-1 (14-16)	MW-2 (0-0.5)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			8.0-10.0	10.0-12.0	12.0-14.0	14.0-16.0	0.0-0.5
Date Sampled			05/13/13	05/13/13	05/13/13	05/13/13	05/14/13
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
2,2-oxybis(1-Chloropropane)	MG/KG	-	0.42 U	0.42 U	0.41 U	0.42 U	0.35 U
2,4,5-Trichlorophenol	MG/KG	0.1	1.1 U	1.1 U	1.0 U	1.0 U	0.88 U
2,4,6-Trichlorophenol	MG/KG	10	0.42 U	0.42 U	0.41 U	0.42 U	0.35 U
2,4-Dichlorophenol	MG/KG	0.4	0.42 U	0.42 U	0.41 U	0.42 U	0.35 U
2,4-Dimethylphenol	MG/KG	-	0.42 U	0.42 U	0.41 U	0.42 U	0.35 U
2,4-Dinitrophenol	MG/KG	0.2	1.1 U	1.1 U	1.0 U	1.0 U	0.88 U
2,4-Dinitrotoluene	MG/KG	-	0.42 U	0.42 U	0.41 U	0.42 U	0.35 U
2,6-Dinitrotoluene	MG/KG	0.17	0.42 U	0.42 U	0.41 U	0.42 U	0.35 U
2-Chloronaphthalene	MG/KG	-	0.42 U	0.42 U	0.41 U	0.42 U	0.35 U
2-Chlorophenol	MG/KG	0.8	0.42 U	0.42 U	0.41 U	0.42 U	0.35 U
2-Methylnaphthalene	MG/KG	0.41	0.42 U	0.42 U	0.41 U	0.42 U	0.35 U
2-Methylphenol (o-cresol)	MG/KG	0.33	0.25 U	0.25 U	0.25 U	0.25 U	0.21 U
2-Nitroaniline	MG/KG	0.4	1.1 U	1.1 U	1.0 U	1.0 U	0.88 U
2-Nitrophenol	MG/KG	0.3	0.42 U	0.42 U	0.41 U	0.42 U	0.35 U
3,3-Dichlorobenzidine	MG/KG	-	0.42 U	0.42 U	0.41 U	0.42 U	0.35 U
3-Nitroaniline	MG/KG	0.5	1.1 U	1.1 U	1.0 U	1.0 U	0.88 U
4,6-Dinitro-2-methylphenol	MG/KG	-	1.1 U	1.1 U	1.0 U	1.0 U	0.88 U
4-Bromophenyl-phenylether	MG/KG	-	0.42 U	0.42 U	0.41 U	0.42 U	0.35 U
4-Chloro-3-methylphenol	MG/KG	-	0.42 U	0.42 U	0.41 U	0.42 U	0.35 U
4-Chloroaniline	MG/KG	0.22	0.42 U	0.42 U	0.41 U	0.42 U	0.35 U
4-Chlorophenyl-phenylether	MG/KG	-	0.42 U	0.42 U	0.41 U	0.42 U	0.35 U
4-Methylphenol (p-cresol)	MG/KG	0.33	0.25 U	0.25 U	0.25 U	0.25 U	0.21 U
4-Nitroaniline	MG/KG	-	1.1 U	1.1 U	1.0 U	1.0 U	0.88 U
4-Nitrophenol	MG/KG	0.1	1.1 U	1.1 U	1.0 U	1.0 U	0.88 U
Acenaphthene	MG/KG	20	0.42 U	0.42 U	0.41 U	0.42 U	0.35 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			MW-01	MW-01	MW-01	MW-01	MW-02
Sample ID			MW-1 (8-10)	MW-1 (10-12)	MW-1 (12-14)	MW-1 (14-16)	MW-2 (0-0.5)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			8.0-10.0	10.0-12.0	12.0-14.0	14.0-16.0	0.0-0.5
Date Sampled			05/13/13	05/13/13	05/13/13	05/13/13	05/14/13
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
Acenaphthylene	MG/KG	100	0.42 U	0.42 U	0.41 U	0.42 U	0.35 U
Acetophenone	MG/KG	-	0.42 UJ	0.42 UJ	0.41 UJ	0.42 UJ	0.35 UJ
Anthracene	MG/KG	100	0.42 U	0.42 U	0.41 U	0.42 U	0.35 U
Atrazine	MG/KG	-	0.42 U	0.42 U	0.41 U	0.42 U	0.35 U
Benzaldehyde	MG/KG	-	0.42 UJ	0.42 UJ	0.41 UJ	0.42 UJ	0.35 UJ
Benzo(a)anthracene	MG/KG	1	0.42 U	0.42 U	0.41 U	0.42 U	0.35 U
Benzo(a)pyrene	MG/KG	1	0.42 U	0.42 U	0.41 U	0.42 U	0.35 U
Benzo(b)fluoranthene	MG/KG	1	0.42 U	0.42 U	0.41 U	0.42 U	0.11 J
Benzo(g,h,i)perylene	MG/KG	100	0.42 U	0.42 U	0.41 U	0.42 U	0.35 U
Benzo(k)fluoranthene	MG/KG	0.8	0.42 U	0.42 U	0.41 U	0.42 U	0.35 U
bis(2-Chloroethoxy)methane	MG/KG	-	0.42 U	0.42 U	0.41 U	0.42 U	0.35 U
bis(2-Chloroethyl)ether	MG/KG	-	0.42 U	0.42 U	0.41 U	0.42 U	0.35 U
bis(2-Ethylhexyl)phthalate	MG/KG	50	0.42 U	0.42 U	0.41 U	0.18 J	0.35 U
Butylbenzylphthalate	MG/KG	100	0.42 U	0.42 U	0.41 U	0.42 U	0.35 U
Caprolactam	MG/KG	-	0.42 U	0.42 U	0.41 U	0.42 U	0.35 U
Carbazole	MG/KG	-	0.42 U	0.42 U	0.41 U	0.42 U	0.13 J
Chrysene	MG/KG	1	0.42 U	0.42 U	0.41 U	0.42 U	0.076 J
Dibenz(a,h)anthracene	MG/KG	0.33	0.25 U	0.25 U	0.25 U	0.25 U	0.21 U
Dibenzofuran	MG/KG	7	0.42 U	0.42 U	0.41 U	0.42 U	0.35 U
Diethylphthalate	MG/KG	7.1	0.42 U	0.42 U	0.41 U	0.42 U	0.35 U
Dimethylphthalate	MG/KG	27	0.42 U	0.42 U	0.41 U	0.42 U	0.35 U
Di-n-butylphthalate	MG/KG	0.014	0.42 U	0.42 U	0.41 U	0.42 U	0.35 U
Di-n-octylphthalate	MG/KG	100	0.42 U	0.42 U	0.41 U	0.42 U	0.35 U
Fluoranthene	MG/KG	100	0.42 U	0.42 U	0.41 U	0.42 U	0.088 J
Fluorene	MG/KG	30	0.42 U	0.42 U	0.41 U	0.42 U	0.35 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.
U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			MW-01	MW-01	MW-01	MW-01	MW-02
Sample ID			MW-1 (8-10)	MW-1 (10-12)	MW-1 (12-14)	MW-1 (14-16)	MW-2 (0-0.5)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			8.0-10.0	10.0-12.0	12.0-14.0	14.0-16.0	0.0-0.5
Date Sampled			05/13/13	05/13/13	05/13/13	05/13/13	05/14/13
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
Hexachlorobenzene	MG/KG	0.33	0.42 U	0.42 U	0.41 U	0.42 U	0.35 U
Hexachlorobutadiene	MG/KG	-	0.42 U	0.42 U	0.41 U	0.42 U	0.35 U
Hexachlorocyclopentadiene	MG/KG	10	0.42 U	0.42 U	0.41 U	0.42 U	0.35 U
Hexachloroethane	MG/KG	-	0.42 U	0.42 U	0.41 U	0.42 U	0.35 U
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	0.42 U	0.42 U	0.41 U	0.42 U	0.35 U
Isophorone	MG/KG	4.4	0.42 U	0.42 U	0.41 U	0.42 U	0.35 U
Naphthalene	MG/KG	12	0.42 U	0.42 U	0.41 U	0.42 U	0.35 U
Nitrobenzene	MG/KG	0.17	0.42 U	0.42 U	0.41 U	0.42 U	0.35 U
N-Nitroso-di-n-propylamine	MG/KG	-	0.42 U	0.42 U	0.41 U	0.42 U	0.35 U
N-Nitrosodiphenylamine	MG/KG	20	0.42 U	0.42 U	0.41 U	0.42 U	0.35 U
Pentachlorophenol	MG/KG	0.8	0.64 U	0.64 U	0.63 U	0.63 U	0.53 U
Phenanthrene	MG/KG	100	0.42 U	0.42 U	0.41 U	0.42 U	0.35 U
Phenol	MG/KG	0.33	0.25 U	0.25 U	0.25 U	0.25 U	0.21 U
Pyrene	MG/KG	100	0.42 U	0.42 U	0.41 U	0.42 U	0.086 J
Pesticide Organic Compounds							
4,4'-DDD	MG/KG	0.0033	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
4,4'-DDE	MG/KG	0.0033	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.00099 NJ
4,4'-DDT	MG/KG	0.0033	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0011 J
Aldrin	MG/KG	0.005	0.0030 U	0.0030 U	0.0030 U	0.0030 U	0.0030 U
alpha-BHC	MG/KG	0.02	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
alpha-Chlordane	MG/KG	0.094	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
beta-BHC	MG/KG	0.036	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
delta-BHC	MG/KG	0.04	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Dieldrin	MG/KG	0.005	0.0030 U	0.0030 U	0.0030 U	0.0030 U	0.0030 U
Dimethoate	MG/KG	-	0.042 U	0.042 U	0.041 U	0.042 U	0.035 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			MW-01	MW-01	MW-01	MW-01	MW-02
Sample ID			MW-1 (8-10)	MW-1 (10-12)	MW-1 (12-14)	MW-1 (14-16)	MW-2 (0-0.5)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			8.0-10.0	10.0-12.0	12.0-14.0	14.0-16.0	0.0-0.5
Date Sampled			05/13/13	05/13/13	05/13/13	05/13/13	05/14/13
Parameter	**Units**	**Criteria***					
Pesticide Organic Compounds							
Disulfoton	MG/KG	-	0.042 U	0.042 U	0.041 U	0.042 U	0.035 U
Endosulfan I	MG/KG	2.4	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Endosulfan II	MG/KG	2.4	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0030 U
Endosulfan sulfate	MG/KG	2.4	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0030 U
Endrin	MG/KG	0.014	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0030 U
Endrin aldehyde	MG/KG	-	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0030 U
Endrin ketone	MG/KG	-	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0030 U
Famphur	MG/KG	-	0.042 U	0.042 U	0.041 U	0.042 U	0.035 U
gamma-BHC (Lindane)	MG/KG	0.1	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
gamma-Chlordane	MG/KG	0.54	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Heptachlor	MG/KG	0.042	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Heptachlor epoxide	MG/KG	0.02	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Methoxychlor	MG/KG	1.2	0.022 U	0.022 U	0.021 U	0.021 U	0.018 U
Methyl parathion	MG/KG	-	0.042 U	0.042 U	0.041 U	0.042 U	0.035 U
Parathion	MG/KG	1.2	0.042 U	0.042 U	0.041 U	0.042 U	0.035 U
Phorate	MG/KG	-	0.042 U	0.042 U	0.041 U	0.042 U	0.035 U
Thionazin	MG/KG	-	0.042 U	0.042 U	0.041 U	0.042 U	0.035 U
Toxaphene	MG/KG	-	0.22 U	0.22 U	0.21 U	0.21 U	0.18 U
Herbicides							
2,4,5-T	MG/KG	1.9	0.006 U	0.006 U	0.006 U	0.006 U	0.005 U
2,4,5-TP (Silvex)	MG/KG	3.8	0.006 U	0.006 U	0.006 U	0.006 U	0.005 U
2,4-D	MG/KG	0.5	0.013 U	0.013 U	0.012 U	0.013 U	0.011 U
2,4-DB	MG/KG	-	0.013 U	0.013 U	0.012 U	0.023 J	0.011 U
Dicamba	MG/KG	-	0.004 U	0.004 U	0.004 U	0.004 U	0.003 U
Dinoseb	MG/KG	-	0.005 U	0.005 U	0.005 U	0.005 U	0.004 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			MW-01	MW-01	MW-01	MW-01	MW-02
Sample ID			MW-1 (8-10)	MW-1 (10-12)	MW-1 (12-14)	MW-1 (14-16)	MW-2 (0-0.5)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			8.0-10.0	10.0-12.0	12.0-14.0	14.0-16.0	0.0-0.5
Date Sampled			05/13/13	05/13/13	05/13/13	05/13/13	05/14/13
Parameter	**Units**	**Criteria***					
Herbicides							
Picrolam	MG/KG	-	0.013 U	0.013 U	0.012 U	0.013 U	0.011 U
Polychlorinated Biphenyls							
Aroclor 1016	MG/KG	-	0.042 U	0.042 U	0.041 U	0.042 U	0.035 U
Aroclor 1221	MG/KG	-	0.085 U	0.086 U	0.084 U	0.084 U	0.071 U
Aroclor 1232	MG/KG	-	0.042 U	0.042 U	0.041 U	0.042 U	0.035 U
Aroclor 1242	MG/KG	-	0.042 U	0.042 U	0.041 U	0.042 U	0.035 U
Aroclor 1248	MG/KG	-	0.042 U	0.042 U	0.041 U	0.042 U	0.035 U
Aroclor 1254	MG/KG	-	0.042 U	0.042 U	0.041 U	0.042 U	0.035 U
Aroclor 1260	MG/KG	-	0.042 U	0.042 U	0.041 U	0.042 U	0.035 U
Total Polychlorinated Biphenyls	MG/KG	0.1	ND	ND	ND	ND	ND
Metals							
Aluminum	MG/KG	10000	9,230	10,700	10,400	11,800	4,610
Antimony	MG/KG	12	0.15 U	0.15 U	0.15 U	0.15 U	0.13 U
Arsenic	MG/KG	13	3.2	2.2	2.8	2.7	1.1
Barium	MG/KG	350	43.4	53.3	46.4	59.8	19.0 J
Beryllium	MG/KG	7.2	0.26 J	0.19 J	0.16 J	0.28 J	0.18 J
Cadmium	MG/KG	2.5	0.013 U	0.013 U	0.013 U	0.013 U	0.011 U
Calcium	MG/KG	10000	4,590	5,590	7,330	5,770	1,770
Chromium	MG/KG	30	16.0	18.9	16.5	20.1	6.6
Cobalt	MG/KG	20	8.9	10.4	9.4	10.2	3.4 J
Copper	MG/KG	50	6.5	7.1	6.2	10.1	3.0 J
Iron	MG/KG	2000	24,400	25,800	23,800	25,900	8,490
Lead	MG/KG	63	1.4	0.36 J	0.68	2.5	14.9
Magnesium	MG/KG	-	2,820	3,500	4,120	4,620	1,350
Manganese	MG/KG	1600	427	437	246	298	111

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			MW-01	MW-01	MW-01	MW-01	MW-02
Sample ID			MW-1 (8-10)	MW-1 (10-12)	MW-1 (12-14)	MW-1 (14-16)	MW-2 (0-0.5)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			8.0-10.0	10.0-12.0	12.0-14.0	14.0-16.0	0.0-0.5
Date Sampled			05/13/13	05/13/13	05/13/13	05/13/13	05/14/13
Parameter	**Units**	**Criteria***					
Metals							
Mercury	MG/KG	0.18	0.021 U	0.021 U	0.021 U	0.021 U	0.018 U
Nickel	MG/KG	30	8.8	10.2	7.5	11.2	3.2 J
Potassium	MG/KG	-	917	555 U	833	1,150	323 U
Selenium	MG/KG	3.9	0.29 U	0.29 U	0.29 U	0.29 U	0.24 UJ
Silver	MG/KG	2	0.026 U	0.026 U	0.025 U	0.025 U	0.021 U
Sodium	MG/KG	-	593 J	738	899	755	82.0 U
Thallium	MG/KG	5	0.24 U	0.24 U	0.24 U	0.24 U	0.20 U
Vanadium	MG/KG	39	34.2	40.2	36.2	37.0	13.0
Zinc	MG/KG	109	47.1	51.8	48.1	57.1	31.1

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.
U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

I:\1176892\DB\EDMS.mde
Printed: 10/3/2013 11:55:58 AM
[LOGDATE] >= #5/13/2013# AND [MATRIX] = 'SO' AND [LOCID] <> 'DRUM COMP

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			MW-02	MW-02	MW-02	MW-02	MW-02
Sample ID			MW-2 (0-2)	MW-2 (2-4)	MW-2 (4-6)	MW-2 (6-8)	MW-2 (8-10)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			0.0-2.0	2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0
Date Sampled			05/14/13	05/14/13	05/14/13	05/14/13	05/14/13
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
1,1,1-Trichloroethane	MG/KG	0.68	0.011 U	0.011 U	0.011 U	0.012 U	0.012 U
1,1,2,2-Tetrachloroethane	MG/KG	0.6	0.011 U	0.011 U	0.011 U	0.012 U	0.012 U
1,1,2-Trichloro-1,2,2-trifluoroethane	MG/KG	6	0.011 U	0.011 U	0.011 U	0.012 U	0.012 U
1,1,2-Trichloroethane	MG/KG	-	0.011 U	0.011 U	0.011 U	0.012 U	0.012 U
1,1-Dichloroethane	MG/KG	0.27	0.011 U	0.011 U	0.011 U	0.012 U	0.012 U
1,1-Dichloroethene	MG/KG	0.33	0.011 U	0.011 U	0.011 U	0.012 U	0.012 U
1,2,4-Trichlorobenzene	MG/KG	3.4	0.011 U	0.011 U	0.011 U	0.012 U	0.012 U
1,2-Dibromo-3-chloropropane	MG/KG	-	0.011 UJ	0.011 UJ	0.011 UJ	0.012 UJ	0.012 UJ
1,2-Dibromoethane (Ethylene dibromide)	MG/KG	-	0.011 U	0.011 U	0.011 U	0.012 U	0.012 U
1,2-Dichlorobenzene	MG/KG	1.1	0.011 U	0.011 U	0.011 U	0.012 U	0.012 U
1,2-Dichloroethane	MG/KG	0.02	0.011 U	0.011 U	0.011 U	0.012 U	0.012 U
1,2-Dichloroethene (cis)	MG/KG	0.25	0.011 U	0.011 U	0.011 U	0.012 U	0.012 U
1,2-Dichloroethene (trans)	MG/KG	0.19	0.011 U	0.011 U	0.011 U	0.012 U	0.012 U
1,2-Dichloropropane	MG/KG	700	0.011 U	0.011 U	0.011 U	0.012 U	0.012 U
1,3-Dichlorobenzene	MG/KG	2.4	0.011 U	0.011 U	0.011 U	0.012 U	0.012 U
1,3-Dichloropropene (cis)	MG/KG	-	0.011 U	0.011 U	0.011 U	0.012 U	0.012 U
1,3-Dichloropropene (trans)	MG/KG	-	0.011 U	0.011 U	0.011 U	0.012 U	0.012 U
1,4-Dichlorobenzene	MG/KG	1.8	0.011 U	0.011 U	0.011 U	0.012 U	0.012 U
2-Hexanone	MG/KG	-	0.011 U	0.011 U	0.011 U	0.012 U	0.012 U
4-Methyl-2-pentanone	MG/KG	1	0.011 U	0.011 U	0.011 U	0.012 U	0.012 U
Acetone	MG/KG	0.05	0.011 U	0.011 U	0.011 U	0.047	0.030
Benzene	MG/KG	0.06	0.011 U	0.011 U	0.011 U	0.012 U	0.012 U
Bromodichloromethane	MG/KG	-	0.011 U	0.011 U	0.011 U	0.012 U	0.012 U
Bromoform	MG/KG	-	0.011 UJ	0.011 UJ	0.011 UJ	0.012 UJ	0.012 UJ
Bromomethane	MG/KG	-	0.011 U	0.011 U	0.011 U	0.012 U	0.012 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			MW-02	MW-02	MW-02	MW-02	MW-02
Sample ID			MW-2 (0-2)	MW-2 (2-4)	MW-2 (4-6)	MW-2 (6-8)	MW-2 (8-10)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			0.0-2.0	2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0
Date Sampled			05/14/13	05/14/13	05/14/13	05/14/13	05/14/13
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
Carbon disulfide	MG/KG	2.7	0.011 U	0.011 U	0.011 U	0.012 U	0.0030 J
Carbon tetrachloride	MG/KG	0.76	0.011 U	0.011 U	0.011 U	0.012 U	0.012 U
Chlorobenzene	MG/KG	1.1	0.011 U	0.011 U	0.011 U	0.0010 J	0.0060 J
Chloroethane	MG/KG	1.9	0.011 U	0.011 U	0.011 U	0.012 U	0.012 U
Chloroform	MG/KG	0.37	0.011 U	0.011 U	0.011 U	0.012 U	0.012 U
Chloromethane	MG/KG	-	0.011 U	0.011 U	0.011 U	0.012 U	0.012 U
Cyclohexane	MG/KG	-	0.011 U	0.011 U	0.011 U	0.012 U	0.012 U
Dibromochloromethane	MG/KG	10	0.011 U	0.011 U	0.011 U	0.012 U	0.012 U
Dichlorodifluoromethane	MG/KG	-	0.011 U	0.011 U	0.011 U	0.012 U	0.012 U
Ethylbenzene	MG/KG	1	0.011 U	0.011 U	0.011 U	0.012 U	0.012 U
Isopropylbenzene (Cumene)	MG/KG	2.3	0.011 U	0.011 U	0.011 U	0.012 U	0.012 U
Methyl acetate	MG/KG	-	0.011 U	0.011 U	0.011 U	0.012 U	0.012 U
Methyl ethyl ketone (2-Butanone)	MG/KG	0.12	0.011 UJ	0.011 UJ	0.011 UJ	0.013 J	0.0090 J
Methyl tert-butyl ether	MG/KG	0.93	0.011 UJ	0.011 UJ	0.011 UJ	0.012 UJ	0.012 UJ
Methylcyclohexane	MG/KG	-	0.011 U	0.011 U	0.011 U	0.012 U	0.012 U
Methylene chloride	MG/KG	0.05	0.011 U	0.011 U	0.011 U	0.012 U	0.012 U
Styrene	MG/KG	300	0.011 U	0.011 U	0.011 U	0.012 U	0.012 U
Tetrachloroethene	MG/KG	1.3	0.011 U	0.011 U	0.011 U	0.012 U	0.012 U
Toluene	MG/KG	0.7	0.011 U	0.011 U	0.011 U	0.012 U	0.012 U
Trichloroethene	MG/KG	0.47	0.011 U	0.011 U	0.011 U	0.012 U	0.012 U
Trichlorofluoromethane	MG/KG	-	0.011 U	0.011 U	0.011 U	0.012 U	0.012 U
Vinyl chloride	MG/KG	0.02	0.011 U	0.011 U	0.011 U	0.012 U	0.012 U
Xylene (total)	MG/KG	0.26	0.011 U	0.011 U	0.011 U	0.012 U	0.0020 J
Semivolatile Organic Compounds							
1,1-Biphenyl	MG/KG	60	0.35 U	0.35 U	0.36 U	0.39 U	0.40 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			MW-02	MW-02	MW-02	MW-02	MW-02
Sample ID			MW-2 (0-2)	MW-2 (2-4)	MW-2 (4-6)	MW-2 (6-8)	MW-2 (8-10)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			0.0-2.0	2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0
Date Sampled			05/14/13	05/14/13	05/14/13	05/14/13	05/14/13
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
2,2-oxybis(1-Chloropropane)	MG/KG	-	0.35 U	0.35 U	0.36 U	0.39 U	0.40 U
2,4,5-Trichlorophenol	MG/KG	0.1	0.88 U	0.88 U	0.91 U	0.97 U	1.0 U
2,4,6-Trichlorophenol	MG/KG	10	0.35 U	0.35 U	0.36 U	0.39 U	0.40 U
2,4-Dichlorophenol	MG/KG	0.4	0.35 U	0.35 U	0.36 U	0.39 U	0.40 U
2,4-Dimethylphenol	MG/KG	-	0.35 U	0.35 U	0.36 U	0.39 U	0.40 U
2,4-Dinitrophenol	MG/KG	0.2	R	0.88 U	0.91 U	0.97 U	1.0 U
2,4-Dinitrotoluene	MG/KG	-	0.35 U	0.35 U	0.36 U	0.39 U	0.40 U
2,6-Dinitrotoluene	MG/KG	0.17	0.35 U	0.35 U	0.36 U	0.39 U	0.40 U
2-Chloronaphthalene	MG/KG	-	0.35 U	0.35 U	0.36 U	0.39 U	0.40 U
2-Chlorophenol	MG/KG	0.8	0.35 U	0.35 U	0.36 U	0.39 U	0.40 U
2-Methylnaphthalene	MG/KG	0.41	0.35 U	0.35 U	0.36 U	0.47	0.44
2-Methylphenol (o-cresol)	MG/KG	0.33	0.21 U	0.21 U	0.22 U	0.23 U	0.24 U
2-Nitroaniline	MG/KG	0.4	0.88 U	0.88 U	0.91 U	0.97 U	1.0 U
2-Nitrophenol	MG/KG	0.3	0.35 U	0.35 U	0.36 U	0.39 U	0.40 U
3,3-Dichlorobenzidine	MG/KG	-	0.35 U	0.35 U	0.36 U	0.39 U	0.40 U
3-Nitroaniline	MG/KG	0.5	0.88 U	0.88 U	0.91 U	0.97 U	1.0 U
4,6-Dinitro-2-methylphenol	MG/KG	-	0.88 U	0.88 U	0.91 U	0.97 U	1.0 U
4-Bromophenyl-phenylether	MG/KG	-	0.35 U	0.35 U	0.36 U	0.39 U	0.40 U
4-Chloro-3-methylphenol	MG/KG	-	0.35 U	0.35 U	0.36 U	0.39 U	0.40 U
4-Chloroaniline	MG/KG	0.22	0.35 U	0.35 U	0.36 U	0.39 U	0.40 U
4-Chlorophenyl-phenylether	MG/KG	-	0.35 U	0.35 U	0.36 U	0.39 U	0.40 U
4-Methylphenol (p-cresol)	MG/KG	0.33	0.21 U	0.21 U	0.22 U	0.25	0.24 J
4-Nitroaniline	MG/KG	-	0.88 U	0.88 U	0.91 U	0.97 U	1.0 U
4-Nitrophenol	MG/KG	0.1	0.88 U	0.88 U	0.91 U	0.97 U	1.0 U
Acenaphthene	MG/KG	20	0.35 U	0.35 U	0.36 U	0.37 J	0.19 J

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			MW-02	MW-02	MW-02	MW-02	MW-02
Sample ID			MW-2 (0-2)	MW-2 (2-4)	MW-2 (4-6)	MW-2 (6-8)	MW-2 (8-10)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			0.0-2.0	2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0
Date Sampled			05/14/13	05/14/13	05/14/13	05/14/13	05/14/13
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
Acenaphthylene	MG/KG	100	0.35 U	0.35 U	0.073 J	0.39 U	0.40 U
Acetophenone	MG/KG	-	0.35 UJ	0.35 UJ	0.36 UJ	0.39 UJ	0.40 UJ
Anthracene	MG/KG	100	0.35 U	0.35 U	0.36 U	0.29 J	0.20 J
Atrazine	MG/KG	-	0.35 U	0.35 U	0.36 U	0.39 U	0.28 J
Benzaldehyde	MG/KG	-	0.35 UJ	0.35 UJ	0.36 UJ	0.39 UJ	0.40 UJ
Benzo(a)anthracene	MG/KG	1	0.35 U	0.35 U	0.42	0.37 J	0.47
Benzo(a)pyrene	MG/KG	1	0.35 U	0.35 U	0.41	0.24 J	0.39 J
Benzo(b)fluoranthene	MG/KG	1	0.35 U	0.35 U	0.74	0.43	0.72
Benzo(g,h,i)perylene	MG/KG	100	0.35 U	0.35 U	0.22 J	0.096 J	0.17 J
Benzo(k)fluoranthene	MG/KG	0.8	0.35 U	0.35 U	0.35 J	0.18 J	0.20 J
bis(2-Chloroethoxy)methane	MG/KG	-	0.35 U	0.35 U	0.36 U	0.39 U	0.40 U
bis(2-Chloroethyl)ether	MG/KG	-	0.35 U	0.35 U	0.36 U	0.39 U	0.40 U
bis(2-Ethylhexyl)phthalate	MG/KG	50	0.35 U	0.35 U	0.36 U	0.37 J	0.20 J
Butylbenzylphthalate	MG/KG	100	0.35 U	0.35 U	0.077 J	0.39 U	0.17 J
Caprolactam	MG/KG	-	0.35 U	0.35 U	0.36 U	0.39 U	0.40 U
Carbazole	MG/KG	-	0.35 U	0.35 U	0.16 J	0.23 J	0.27 J
Chrysene	MG/KG	1	0.35 U	0.35 U	0.53	0.50	0.68
Dibenz(a,h)anthracene	MG/KG	0.33	0.21 U	0.21 U	0.076 J	0.23 U	0.24 U
Dibenzofuran	MG/KG	7	0.35 U	0.35 U	0.36 U	0.17 J	0.14 J
Diethylphthalate	MG/KG	7.1	0.35 U	0.35 U	0.36 U	0.39 U	0.40 U
Dimethylphthalate	MG/KG	27	0.35 U	0.35 U	0.36 U	0.39 U	0.40 U
Di-n-butylphthalate	MG/KG	0.014	0.35 U	0.35 U	0.36 U	0.39 U	0.40 U
Di-n-octylphthalate	MG/KG	100	0.35 U	0.35 U	0.36 U	0.39 U	0.40 U
Fluoranthene	MG/KG	100	0.35 U	0.35 U	0.59	1.6	1.5
Fluorene	MG/KG	30	0.35 U	0.35 U	0.36 U	0.34 J	0.23 J

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			MW-02	MW-02	MW-02	MW-02	MW-02
Sample ID			MW-2 (0-2)	MW-2 (2-4)	MW-2 (4-6)	MW-2 (6-8)	MW-2 (8-10)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			0.0-2.0	2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0
Date Sampled			05/14/13	05/14/13	05/14/13	05/14/13	05/14/13
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
Hexachlorobenzene	MG/KG	0.33	0.35 U	0.35 U	0.36 U	0.39 U	0.40 U
Hexachlorobutadiene	MG/KG	-	0.35 U	0.35 U	0.36 U	0.39 U	0.40 U
Hexachlorocyclopentadiene	MG/KG	10	0.35 U	0.35 U	0.36 U	0.39 U	0.40 U
Hexachloroethane	MG/KG	-	0.35 U	0.35 U	0.36 U	0.39 U	0.40 U
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	0.35 U	0.35 U	0.21 J	0.092 J	0.15 J
Isophorone	MG/KG	4.4	0.35 U	0.35 U	0.36 U	0.39 U	0.40 U
Naphthalene	MG/KG	12	0.35 U	0.35 U	0.36 U	0.59	0.56
Nitrobenzene	MG/KG	0.17	0.35 U	0.35 U	0.36 U	0.39 U	0.40 U
N-Nitroso-di-n-propylamine	MG/KG	-	0.35 U	0.35 U	0.36 U	0.39 U	0.40 U
N-Nitrosodiphenylamine	MG/KG	20	0.35 U	0.35 U	0.36 U	0.39 U	0.40 U
Pentachlorophenol	MG/KG	0.8	0.53 U	0.53 U	0.55 U	0.58 U	0.60 U
Phenanthrene	MG/KG	100	0.35 U	0.35 U	0.32 J	1.8	1.3
Phenol	MG/KG	0.33	0.21 U	0.21 U	0.22 U	0.23 U	0.13 J
Pyrene	MG/KG	100	0.35 U	0.35 U	0.62	1.4	1.3
Pesticide Organic Compounds							
4,4'-DDD	MG/KG	0.0033	0.0020 U	0.0020 U	0.0071 NJ	0.0042 J	0.013 NJ
4,4'-DDE	MG/KG	0.0033	0.0020 U	0.00093 J	0.0066	0.0068	0.0068 J
4,4'-DDT	MG/KG	0.0033	0.00089 J	0.0020 U	0.0056 J	0.0026 NJ	0.0023 NJ
Aldrin	MG/KG	0.005	0.0030 U	0.0030 U	0.0030 U	0.0030 U	0.0030 U
alpha-BHC	MG/KG	0.02	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0025 J
alpha-Chlordane	MG/KG	0.094	0.0020 U	0.0020 U	0.0073	0.0017 J	0.016 J
beta-BHC	MG/KG	0.036	0.0020 U	0.0020 U	0.0020 U	0.0020 U	R
delta-BHC	MG/KG	0.04	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0012 NJ
Dieldrin	MG/KG	0.005	0.0030 U	0.0030 U	0.0042 J	0.0030 U	0.013 J
Dimethoate	MG/KG	-	0.035 U	0.035 U	0.036 U	0.039 U	0.040 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			MW-02	MW-02	MW-02	MW-02	MW-02
Sample ID			MW-2 (0-2)	MW-2 (2-4)	MW-2 (4-6)	MW-2 (6-8)	MW-2 (8-10)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			0.0-2.0	2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0
Date Sampled			05/14/13	05/14/13	05/14/13	05/14/13	05/14/13
Parameter	**Units**	**Criteria***					
Pesticide Organic Compounds							
Disulfoton	MG/KG	-	0.035 U	0.035 U	0.036 U	0.039 U	0.040 U
Endosulfan I	MG/KG	2.4	0.0020 U	0.0020 U	0.0037	0.0020 U	0.0020 U
Endosulfan II	MG/KG	2.4	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endosulfan sulfate	MG/KG	2.4	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endrin	MG/KG	0.014	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endrin aldehyde	MG/KG	-	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endrin ketone	MG/KG	-	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Famphur	MG/KG	-	0.035 U	0.035 U	0.036 U	0.039 U	0.040 U
gamma-BHC (Lindane)	MG/KG	0.1	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
gamma-Chlordane	MG/KG	0.54	0.0020 U	0.0020 U	0.0070 NJ	R	R
Heptachlor	MG/KG	0.042	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Heptachlor epoxide	MG/KG	0.02	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Methoxychlor	MG/KG	1.2	0.018 U	0.018 U	0.019 U	0.020 U	0.016 J
Methyl parathion	MG/KG	-	0.035 U	0.035 U	0.036 U	0.039 U	0.040 U
Parathion	MG/KG	1.2	0.035 U	0.035 U	0.036 U	0.039 U	0.040 U
Phorate	MG/KG	-	0.035 U	0.035 U	0.036 U	0.039 U	0.040 U
Thionazin	MG/KG	-	0.035 U	0.035 U	0.036 U	0.039 U	0.040 U
Toxaphene	MG/KG	-	0.18 U	0.18 U	0.19 U	0.20 U	0.21 U
Herbicides							
2,4,5-T	MG/KG	1.9	0.005 U	0.005 U	0.006 U	0.006 U	0.006 U
2,4,5-TP (Silvex)	MG/KG	3.8	0.005 U	0.005 U	0.006 U	0.006 U	R
2,4-D	MG/KG	0.5	0.011 U	0.011 U	0.011 U	0.012 U	0.01 J
2,4-DB	MG/KG	-	0.011 U	0.011 U	0.011 U	0.012 U	0.012 U
Dicamba	MG/KG	-	0.003 U	0.003 U	0.003 U	0.004 U	0.004 U
Dinoseb	MG/KG	-	0.004 U	0.004 U	0.004 U	0.005 U	0.005 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.
U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			MW-02	MW-02	MW-02	MW-02	MW-02
Sample ID			MW-2 (0-2)	MW-2 (2-4)	MW-2 (4-6)	MW-2 (6-8)	MW-2 (8-10)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			0.0-2.0	2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0
Date Sampled			05/14/13	05/14/13	05/14/13	05/14/13	05/14/13
Parameter	**Units**	**Criteria***					
Herbicides							
Picrolam	MG/KG	-	0.011 U	0.011 U	0.011 U	0.012 U	0.012 UJ
Polychlorinated Biphenyls							
Aroclor 1016	MG/KG	-	0.035 U	0.035 U	0.036 U	0.039 U	0.040 U
Aroclor 1221	MG/KG	-	0.071 U	0.071 U	0.074 U	0.078 U	0.081 U
Aroclor 1232	MG/KG	-	0.035 U	0.035 U	0.036 U	0.039 U	0.040 U
Aroclor 1242	MG/KG	-	0.035 U	0.035 U	0.036 U	0.039 U	0.040 U
Aroclor 1248	MG/KG	-	0.035 U	0.035 U	0.036 U	0.039 U	0.040 U
Aroclor 1254	MG/KG	-	0.035 U	0.035 U	0.036 U	0.039 U	0.040 U
Aroclor 1260	MG/KG	-	0.035 U	0.035 U	0.036 U	0.039 U	0.040 U
Total Polychlorinated Biphenyls	MG/KG	0.1	ND	ND	ND	ND	ND
Metals							
Aluminum	MG/KG	10000	4,990	5,280	5,730	5,820	6,090
Antimony	MG/KG	12	0.13 U	0.13 U	0.13 U	0.14 U	0.15 U
Arsenic	MG/KG	13	0.95 J	1.1	1.9	1.8	3.0
Barium	MG/KG	350	16.5 J	18.2 J	24.0	21.9 J	55.5
Beryllium	MG/KG	7.2	0.18 J	0.18 J	0.27 J	0.25 J	0.24 J
Cadmium	MG/KG	2.5	0.011 U	0.011 U	0.011 U	0.012 U	0.012 U
Calcium	MG/KG	10000	1,260	1,610	1,430	1,620	27,500
Chromium	MG/KG	30	7.4	6.2	7.1	8.8	73.5
Cobalt	MG/KG	20	3.2 J	3.0 J	2.9 J	2.9 J	16.6
Copper	MG/KG	50	2.8 J	2.9 J	5.2 J	5.0 J	13.6 J
Iron	MG/KG	2000	8,520	8,100	8,890	8,670	18,100
Lead	MG/KG	63	11.6	14.8	34.2	33.5	34.0
Magnesium	MG/KG	-	1,200	1,330	1,350	1,370	8,410
Manganese	MG/KG	1600	88.5	98.0	119	64.2	415

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			MW-02	MW-02	MW-02	MW-02	MW-02
Sample ID			MW-2 (0-2)	MW-2 (2-4)	MW-2 (4-6)	MW-2 (6-8)	MW-2 (8-10)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			0.0-2.0	2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0
Date Sampled			05/14/13	05/14/13	05/14/13	05/14/13	05/14/13
Parameter	**Units**	**Criteria***					
Metals							
Mercury	MG/KG	0.18	0.028 J	0.023 J	0.025 J	0.11 J	0.034 J
Nickel	MG/KG	30	3.5 J	3.1 J	3.3 J	3.5 J	8.3
Potassium	MG/KG	-	287 U	300 U	260 U	260 U	923 J
Selenium	MG/KG	3.9	0.25 UJ	0.25 UJ	0.25 UJ	0.27 UJ	0.74 J
Silver	MG/KG	2	0.021 U	0.021 U	0.022 U	0.023 U	0.024 U
Sodium	MG/KG	-	94.6 U	120 U	76.3 U	74.8 U	294 U
Thallium	MG/KG	5	0.20 U	0.20 U	0.21 U	0.22 U	0.23 U
Vanadium	MG/KG	39	14.2	12.1	12.7	13.9	12.5
Zinc	MG/KG	109	25.0	26.5	52.1	46.0	99.0

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.
U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			MW-02	MW-02	MW-02	MW-02	MW-02
Sample ID			MW-2 (10-12)	MW-2 (12-14)	MW-2 (14-16)	MW-2 (16-18)	MW-2 (18-20)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			10.0-12.0	12.0-14.0	14.0-16.0	16.0-18.0	18.0-20.0
Date Sampled			05/14/13	05/14/13	05/14/13	05/14/13	05/14/13
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
1,1,1-Trichloroethane	MG/KG	0.68	NA	0.013 U	0.013 U	0.012 U	0.012 UJ
1,1,2,2-Tetrachloroethane	MG/KG	0.6	NA	0.013 U	0.013 U	0.012 U	0.012 UJ
1,1,2-Trichloro-1,2,2-trifluoroethane	MG/KG	6	NA	0.013 U	0.013 U	0.012 U	0.012 UJ
1,1,2-Trichloroethane	MG/KG	-	NA	0.013 U	0.013 U	0.012 U	0.012 UJ
1,1-Dichloroethane	MG/KG	0.27	NA	0.013 U	0.013 U	0.012 U	0.012 UJ
1,1-Dichloroethene	MG/KG	0.33	NA	0.013 U	0.013 U	0.012 U	0.012 UJ
1,2,4-Trichlorobenzene	MG/KG	3.4	NA	0.013 U	0.013 U	0.012 U	0.012 UJ
1,2-Dibromo-3-chloropropane	MG/KG	-	NA	0.013 UJ	0.013 UJ	0.012 UJ	0.012 UJ
1,2-Dibromoethane (Ethylene dibromide)	MG/KG	-	NA	0.013 U	0.013 U	0.012 U	0.012 UJ
1,2-Dichlorobenzene	MG/KG	1.1	NA	0.013 U	0.013 U	0.012 U	0.012 UJ
1,2-Dichloroethane	MG/KG	0.02	NA	0.013 U	0.013 U	0.012 U	0.012 UJ
1,2-Dichloroethene (cis)	MG/KG	0.25	NA	0.013 U	0.013 U	0.012 U	0.012 UJ
1,2-Dichloroethene (trans)	MG/KG	0.19	NA	0.013 U	0.013 U	0.012 U	0.012 UJ
1,2-Dichloropropane	MG/KG	700	NA	0.013 U	0.013 U	0.012 U	0.012 UJ
1,3-Dichlorobenzene	MG/KG	2.4	NA	0.013 U	0.013 U	0.012 U	0.012 UJ
1,3-Dichloropropene (cis)	MG/KG	-	NA	0.013 U	0.013 U	0.012 U	0.012 UJ
1,3-Dichloropropene (trans)	MG/KG	-	NA	0.013 U	0.013 U	0.012 U	0.012 UJ
1,4-Dichlorobenzene	MG/KG	1.8	NA	0.013 U	0.013 U	0.012 U	0.012 UJ
2-Hexanone	MG/KG	-	NA	0.013 U	0.013 U	0.012 U	0.012 UJ
4-Methyl-2-pentanone	MG/KG	1	NA	0.013 U	0.013 U	0.012 U	0.012 UJ
Acetone	MG/KG	0.05	NA	0.065	0.019	0.010 J	0.0060 J
Benzene	MG/KG	0.06	NA	0.013 U	0.013 U	0.012 U	0.012 UJ
Bromodichloromethane	MG/KG	-	NA	0.013 U	0.013 U	0.012 U	0.012 UJ
Bromoform	MG/KG	-	NA	0.013 UJ	0.013 UJ	0.012 UJ	0.012 UJ
Bromomethane	MG/KG	-	NA	0.013 U	0.013 U	0.012 U	0.012 UJ

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			MW-02	MW-02	MW-02	MW-02	MW-02
Sample ID			MW-2 (10-12)	MW-2 (12-14)	MW-2 (14-16)	MW-2 (16-18)	MW-2 (18-20)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			10.0-12.0	12.0-14.0	14.0-16.0	16.0-18.0	18.0-20.0
Date Sampled			05/14/13	05/14/13	05/14/13	05/14/13	05/14/13
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
Carbon disulfide	MG/KG	2.7	NA	0.013 U	0.013 U	0.012 U	0.012 UJ
Carbon tetrachloride	MG/KG	0.76	NA	0.013 U	0.013 U	0.012 U	0.012 UJ
Chlorobenzene	MG/KG	1.1	NA	0.013 U	0.0020 J	0.012 U	0.012 UJ
Chloroethane	MG/KG	1.9	NA	0.013 U	0.013 U	0.012 U	0.012 UJ
Chloroform	MG/KG	0.37	NA	0.013 U	0.013 U	0.012 U	0.012 UJ
Chloromethane	MG/KG	-	NA	0.013 U	0.013 U	0.012 U	0.012 UJ
Cyclohexane	MG/KG	-	NA	0.013 U	0.013 U	0.012 U	0.012 UJ
Dibromochloromethane	MG/KG	10	NA	0.013 U	0.013 U	0.012 U	0.012 UJ
Dichlorodifluoromethane	MG/KG	-	NA	0.013 U	0.013 U	0.012 U	0.012 UJ
Ethylbenzene	MG/KG	1	NA	0.013 U	0.013 U	0.012 U	0.012 UJ
Isopropylbenzene (Cumene)	MG/KG	2.3	NA	0.013 U	0.013 U	0.012 U	0.012 UJ
Methyl acetate	MG/KG	-	NA	0.013 U	0.013 U	0.012 U	0.012 UJ
Methyl ethyl ketone (2-Butanone)	MG/KG	0.12	NA	0.013 J	0.013 UJ	0.012 UJ	0.012 UJ
Methyl tert-butyl ether	MG/KG	0.93	NA	0.013 UJ	0.013 UJ	0.012 UJ	0.012 UJ
Methylcyclohexane	MG/KG	-	NA	0.013 U	0.013 U	0.012 U	0.012 UJ
Methylene chloride	MG/KG	0.05	NA	0.013 U	0.013 U	0.012 U	0.012 UJ
Styrene	MG/KG	300	NA	0.013 U	0.013 U	0.012 U	0.012 UJ
Tetrachloroethene	MG/KG	1.3	NA	0.013 U	0.013 U	0.012 U	0.012 UJ
Toluene	MG/KG	0.7	NA	0.013 U	0.013 U	0.012 U	0.012 UJ
Trichloroethene	MG/KG	0.47	NA	0.013 U	0.013 U	0.012 U	0.012 UJ
Trichlorofluoromethane	MG/KG	-	NA	0.013 U	0.013 U	0.012 U	0.012 UJ
Vinyl chloride	MG/KG	0.02	NA	0.013 U	0.013 U	0.012 U	0.012 UJ
Xylene (total)	MG/KG	0.26	NA	0.013 U	0.013 U	0.012 U	0.012 UJ
Semivolatile Organic Compounds							
1,1-Biphenyl	MG/KG	60	0.39 U	0.42 U	0.42 U	0.38 U	0.38 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.
U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			MW-02	MW-02	MW-02	MW-02	MW-02
Sample ID			MW-2 (10-12)	MW-2 (12-14)	MW-2 (14-16)	MW-2 (16-18)	MW-2 (18-20)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			10.0-12.0	12.0-14.0	14.0-16.0	16.0-18.0	18.0-20.0
Date Sampled			05/14/13	05/14/13	05/14/13	05/14/13	05/14/13
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
2,2-oxybis(1-Chloropropane)	MG/KG	-	0.39 U	0.42 U	0.42 U	0.38 U	0.38 U
2,4,5-Trichlorophenol	MG/KG	0.1	0.98 U	1.0 U	1.1 U	0.96 U	0.96 U
2,4,6-Trichlorophenol	MG/KG	10	0.39 U	0.42 U	0.42 U	0.38 U	0.38 U
2,4-Dichlorophenol	MG/KG	0.4	0.39 U	0.42 U	0.42 U	0.38 U	0.38 U
2,4-Dimethylphenol	MG/KG	-	0.39 U	0.42 U	0.42 U	0.38 U	0.38 U
2,4-Dinitrophenol	MG/KG	0.2	0.98 U	1.0 U	1.1 U	0.96 U	0.96 U
2,4-Dinitrotoluene	MG/KG	-	0.39 U	0.42 U	0.42 U	0.38 U	0.38 U
2,6-Dinitrotoluene	MG/KG	0.17	0.39 U	0.42 U	0.42 U	0.38 U	0.38 U
2-Chloronaphthalene	MG/KG	-	0.39 U	0.42 U	0.42 U	0.38 U	0.38 U
2-Chlorophenol	MG/KG	0.8	0.39 U	0.42 U	0.42 U	0.38 U	0.38 U
2-Methylnaphthalene	MG/KG	0.41	0.31 J	0.42 U	0.42 U	0.38 U	0.38 U
2-Methylphenol (o-cresol)	MG/KG	0.33	0.24 U	0.25 U	0.25 U	0.23 U	0.23 U
2-Nitroaniline	MG/KG	0.4	0.98 U	1.0 U	1.1 U	0.96 U	0.96 U
2-Nitrophenol	MG/KG	0.3	0.39 U	0.42 U	0.42 U	0.38 U	0.38 U
3,3-Dichlorobenzidine	MG/KG	-	0.39 U	0.42 U	0.42 U	0.38 U	0.38 U
3-Nitroaniline	MG/KG	0.5	0.98 U	1.0 U	1.1 U	0.96 U	0.96 U
4,6-Dinitro-2-methylphenol	MG/KG	-	0.98 U	1.0 U	1.1 U	0.96 U	0.96 U
4-Bromophenyl-phenylether	MG/KG	-	0.39 U	0.42 U	0.42 U	0.38 U	0.38 U
4-Chloro-3-methylphenol	MG/KG	-	0.39 U	0.42 U	0.42 U	0.38 U	0.38 U
4-Chloroaniline	MG/KG	0.22	0.39 U	0.42 U	0.42 U	0.38 U	0.38 U
4-Chlorophenyl-phenylether	MG/KG	-	0.39 U	0.42 U	0.42 U	0.38 U	0.38 U
4-Methylphenol (p-cresol)	MG/KG	0.33	0.22 J	0.25 U	0.25 U	0.23 U	0.23 U
4-Nitroaniline	MG/KG	-	0.98 U	1.0 U	1.1 U	0.96 U	0.96 U
4-Nitrophenol	MG/KG	0.1	0.98 U	1.0 U	1.1 U	0.96 U	0.96 U
Acenaphthene	MG/KG	20	0.13 J	0.42 U	0.42 U	0.38 U	0.38 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			MW-02	MW-02	MW-02	MW-02	MW-02
Sample ID			MW-2 (10-12)	MW-2 (12-14)	MW-2 (14-16)	MW-2 (16-18)	MW-2 (18-20)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			10.0-12.0	12.0-14.0	14.0-16.0	16.0-18.0	18.0-20.0
Date Sampled			05/14/13	05/14/13	05/14/13	05/14/13	05/14/13
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
Acenaphthylene	MG/KG	100	0.39 U	0.42 U	0.42 U	0.38 U	0.38 U
Acetophenone	MG/KG	-	0.39 UJ	0.42 UJ	0.42 UJ	0.38 UJ	0.38 UJ
Anthracene	MG/KG	100	0.11 J	0.42 U	0.42 U	0.38 U	0.38 U
Atrazine	MG/KG	-	0.28 J	0.42 U	0.42 U	0.38 U	0.38 U
Benzaldehyde	MG/KG	-	0.39 UJ	0.42 UJ	0.42 UJ	0.38 UJ	0.38 UJ
Benzo(a)anthracene	MG/KG	1	0.29 J	0.42 U	0.42 U	0.38 U	0.38 U
Benzo(a)pyrene	MG/KG	1	0.21 J	0.42 U	0.42 U	0.38 U	0.38 U
Benzo(b)fluoranthene	MG/KG	1	0.41	0.42 U	0.42 U	0.38 U	0.38 U
Benzo(g,h,i)perylene	MG/KG	100	0.10 J	0.42 U	0.42 U	0.38 U	0.38 U
Benzo(k)fluoranthene	MG/KG	0.8	0.14 J	0.42 U	0.42 U	0.38 U	0.38 U
bis(2-Chloroethoxy)methane	MG/KG	-	0.39 U	0.42 U	0.42 U	0.38 U	0.38 U
bis(2-Chloroethyl)ether	MG/KG	-	0.39 U	0.42 U	0.42 U	0.38 U	0.38 U
bis(2-Ethylhexyl)phthalate	MG/KG	50	0.12 J	0.42 U	0.42 U	0.38 U	0.38 U
Butylbenzylphthalate	MG/KG	100	0.18 J	0.42 U	0.42 U	0.38 U	0.38 U
Caprolactam	MG/KG	-	0.39 U	0.42 U	0.42 U	0.38 U	0.38 U
Carbazole	MG/KG	-	0.22 J	0.42 U	0.42 U	0.38 U	0.38 U
Chrysene	MG/KG	1	0.39 J	0.42 U	0.42 U	0.38 U	0.38 U
Dibenz(a,h)anthracene	MG/KG	0.33	0.24 U	0.25 U	0.25 U	0.23 U	0.23 U
Dibenzofuran	MG/KG	7	0.10 J	0.42 U	0.42 U	0.38 U	0.38 U
Diethylphthalate	MG/KG	7.1	0.39 U	0.42 U	0.42 U	0.38 U	0.38 U
Dimethylphthalate	MG/KG	27	0.39 U	0.42 U	0.42 U	0.38 U	0.38 U
Di-n-butylphthalate	MG/KG	0.014	0.39 U	0.42 U	0.42 U	0.38 U	0.38 U
Di-n-octylphthalate	MG/KG	100	0.39 U	0.42 U	0.42 U	0.38 U	0.38 U
Fluoranthene	MG/KG	100	0.90	0.42 U	0.42 U	0.38 U	0.38 U
Fluorene	MG/KG	30	0.16 J	0.42 U	0.42 U	0.38 U	0.38 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			MW-02	MW-02	MW-02	MW-02	MW-02
Sample ID			MW-2 (10-12)	MW-2 (12-14)	MW-2 (14-16)	MW-2 (16-18)	MW-2 (18-20)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			10.0-12.0	12.0-14.0	14.0-16.0	16.0-18.0	18.0-20.0
Date Sampled			05/14/13	05/14/13	05/14/13	05/14/13	05/14/13
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
Hexachlorobenzene	MG/KG	0.33	0.39 U	0.42 U	0.42 U	0.38 U	0.38 U
Hexachlorobutadiene	MG/KG	-	0.39 U	0.42 U	0.42 U	0.38 U	0.38 U
Hexachlorocyclopentadiene	MG/KG	10	0.39 U	0.42 U	0.42 U	0.38 U	0.38 U
Hexachloroethane	MG/KG	-	0.39 U	0.42 U	0.42 U	0.38 U	0.38 U
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	0.099 J	0.42 U	0.42 U	0.38 U	0.38 U
Isophorone	MG/KG	4.4	0.39 U	0.42 U	0.42 U	0.38 U	0.38 U
Naphthalene	MG/KG	12	0.44	0.42 U	0.42 U	0.38 U	0.38 U
Nitrobenzene	MG/KG	0.17	0.39 U	0.42 U	0.42 U	0.38 U	0.38 U
N-Nitroso-di-n-propylamine	MG/KG	-	0.39 U	0.42 U	0.42 U	0.38 U	0.38 U
N-Nitrosodiphenylamine	MG/KG	20	0.39 U	0.42 U	0.42 U	0.38 U	0.38 U
Pentachlorophenol	MG/KG	0.8	0.59 U	0.63 U	0.64 U	0.58 U	0.58 U
Phenanthrene	MG/KG	100	0.92	0.42 U	0.42 U	0.38 U	0.38 U
Phenol	MG/KG	0.33	0.11 J	0.25 U	0.25 U	0.23 U	0.23 U
Pyrene	MG/KG	100	0.76	0.42 U	0.42 U	0.38 U	0.38 U
Pesticide Organic Compounds							
4,4'-DDD	MG/KG	0.0033	0.0088 NJ	0.0020 U	0.0020 U	0.0020 U	0.0020 U
4,4'-DDE	MG/KG	0.0033	0.0060 NJ	0.0020 U	0.0020 U	0.0020 U	0.0020 U
4,4'-DDT	MG/KG	0.0033	R	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Aldrin	MG/KG	0.005	0.0030 U	0.0030 U	0.0030 U	0.0030 U	0.0030 U
alpha-BHC	MG/KG	0.02	0.0050 NJ	0.0020 U	0.0020 U	0.0020 U	0.0020 U
alpha-Chlordane	MG/KG	0.094	0.012 J	0.0020 U	0.0020 U	0.0020 U	0.0020 U
beta-BHC	MG/KG	0.036	R	0.0020 U	0.0020 U	0.0020 U	0.0020 U
delta-BHC	MG/KG	0.04	0.0013 NJ	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Dieldrin	MG/KG	0.005	0.0098 J	0.0030 U	0.0030 U	0.0030 U	0.0030 U
Dimethoate	MG/KG	-	0.039 U	0.042 U	0.042 U	0.038 U	0.038 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			MW-02	MW-02	MW-02	MW-02	MW-02
Sample ID			MW-2 (10-12)	MW-2 (12-14)	MW-2 (14-16)	MW-2 (16-18)	MW-2 (18-20)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			10.0-12.0	12.0-14.0	14.0-16.0	16.0-18.0	18.0-20.0
Date Sampled			05/14/13	05/14/13	05/14/13	05/14/13	05/14/13
Parameter	**Units**	**Criteria***					
Pesticide Organic Compounds							
Disulfoton	MG/KG	-	0.039 U	0.042 U	0.042 U	0.038 U	0.038 U
Endosulfan I	MG/KG	2.4	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Endosulfan II	MG/KG	2.4	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endosulfan sulfate	MG/KG	2.4	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endrin	MG/KG	0.014	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endrin aldehyde	MG/KG	-	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endrin ketone	MG/KG	-	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Famphur	MG/KG	-	0.039 U	0.042 U	0.042 U	0.038 U	0.038 U
gamma-BHC (Lindane)	MG/KG	0.1	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
gamma-Chlordane	MG/KG	0.54	R	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Heptachlor	MG/KG	0.042	0.0015 NJ	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Heptachlor epoxide	MG/KG	0.02	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Methoxychlor	MG/KG	1.2	0.013 J	0.021 U	0.022 U	0.020 U	0.020 U
Methyl parathion	MG/KG	-	0.039 U	0.042 U	0.042 U	0.038 U	0.038 U
Parathion	MG/KG	1.2	0.039 U	0.042 U	0.042 U	0.038 U	0.038 U
Phorate	MG/KG	-	0.039 U	0.042 U	0.042 U	0.038 U	0.038 U
Thionazin	MG/KG	-	0.039 U	0.042 U	0.042 U	0.038 U	0.038 U
Toxaphene	MG/KG	-	0.20 U	0.21 U	0.22 U	0.20 U	0.20 U
Herbicides							
2,4,5-T	MG/KG	1.9	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U
2,4,5-TP (Silvex)	MG/KG	3.8	0.0032 J	0.006 U	0.006 U	0.006 U	0.006 U
2,4-D	MG/KG	0.5	0.0088 J	0.013 U	0.013 U	0.012 U	0.012 U
2,4-DB	MG/KG	-	0.012 U	0.013 U	0.013 U	0.012 U	0.012 U
Dicamba	MG/KG	-	0.004 U	0.004 U	0.004 U	0.003 U	0.003 U
Dinoseb	MG/KG	-	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			MW-02	MW-02	MW-02	MW-02	MW-02
Sample ID			MW-2 (10-12)	MW-2 (12-14)	MW-2 (14-16)	MW-2 (16-18)	MW-2 (18-20)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			10.0-12.0	12.0-14.0	14.0-16.0	16.0-18.0	18.0-20.0
Date Sampled			05/14/13	05/14/13	05/14/13	05/14/13	05/14/13
Parameter	**Units**	**Criteria***					
Herbicides							
Picrolam	MG/KG	-	0.012 UJ	0.013 U	0.013 U	0.012 U	0.012 U
Polychlorinated Biphenyls							
Aroclor 1016	MG/KG	-	0.039 U	0.041 U	0.042 U	0.038 U	0.038 U
Aroclor 1221	MG/KG	-	0.079 U	0.084 U	0.085 U	0.077 U	0.077 U
Aroclor 1232	MG/KG	-	0.039 U	0.041 U	0.042 U	0.038 U	0.038 U
Aroclor 1242	MG/KG	-	0.039 U	0.041 U	0.042 U	0.038 U	0.038 U
Aroclor 1248	MG/KG	-	0.039 U	0.041 U	0.042 U	0.038 U	0.038 U
Aroclor 1254	MG/KG	-	0.039 U	0.041 U	0.042 U	0.038 U	0.038 U
Aroclor 1260	MG/KG	-	0.039 U	0.041 U	0.042 U	0.038 U	0.038 U
Total Polychlorinated Biphenyls	MG/KG	0.1	ND	ND	ND	ND	ND
Metals							
Aluminum	MG/KG	10000	NA	8,410	9,430	7,250	6,920
Antimony	MG/KG	12	NA	0.15 U	0.15 U	0.14 U	0.14 U
Arsenic	MG/KG	13	NA	6.4	2.2	3.8	3.4
Barium	MG/KG	350	NA	36.5	56.0	68.6	75.1
Beryllium	MG/KG	7.2	NA	0.50 J	0.45 J	0.39 J	0.36 J
Cadmium	MG/KG	2.5	NA	0.013 U	0.013 U	0.012 U	0.012 U
Calcium	MG/KG	10000	NA	3,570	11,400	36,300	30,400
Chromium	MG/KG	30	NA	18.8	16.5	16.4	16.4
Cobalt	MG/KG	20	NA	10.0	8.9	8.5	7.8
Copper	MG/KG	50	NA	13.5 J	6.0 J	13.5 J	14.9 J
Iron	MG/KG	2000	NA	22,500	19,800	18,700	18,100
Lead	MG/KG	63	NA	3.8 J	2.6 J	6.0 J	5.0
Magnesium	MG/KG	-	NA	2,720	4,960	8,430	7,910
Manganese	MG/KG	1600	NA	154	219	330	285

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			MW-02	MW-02	MW-02	MW-02	MW-02
Sample ID			MW-2 (10-12)	MW-2 (12-14)	MW-2 (14-16)	MW-2 (16-18)	MW-2 (18-20)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			10.0-12.0	12.0-14.0	14.0-16.0	16.0-18.0	18.0-20.0
Date Sampled			05/14/13	05/14/13	05/14/13	05/14/13	05/14/13
Parameter	**Units**	**Criteria***					
Metals							
Mercury	MG/KG	0.18	NA	0.021 U	0.021 U	0.019 U	0.027 J
Nickel	MG/KG	30	NA	13.1	8.3	14.5	13.4
Potassium	MG/KG	-	NA	1,350 J	1,400 J	1,500 J	1,450 J
Selenium	MG/KG	3.9	NA	0.29 UJ	0.29 UJ	0.27 UJ	0.27 UJ
Silver	MG/KG	2	NA	0.025 U	0.026 U	0.023 U	0.023 U
Sodium	MG/KG	-	NA	246 U	688	258 U	227 U
Thallium	MG/KG	5	NA	0.24 U	0.24 U	0.22 U	0.22 U
Vanadium	MG/KG	39	NA	29.7	33.7	22.5	21.5
Zinc	MG/KG	109	NA	45.5	43.6	47.2	45.4

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.
U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			MW-03	MW-03	MW-03	MW-03	MW-03
Sample ID			MW-3 (0-0.5)	MW-3 (0-2)	MW-3 (2-4)	MW-3 (4-6)	MW-3 (6-8)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			0.0-0.5	0.0-2.0	2.0-4.0	4.0-6.0	6.0-8.0
Date Sampled			05/14/13	05/14/13	05/14/13	05/14/13	05/14/13
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
1,1,1-Trichloroethane	MG/KG	0.68	0.011 U	0.011 U	0.012 U	NA	NA
1,1,2,2-Tetrachloroethane	MG/KG	0.6	0.011 U	0.011 U	0.012 U	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane	MG/KG	6	0.011 U	0.011 U	0.012 U	NA	NA
1,1,2-Trichloroethane	MG/KG	-	0.011 U	0.011 U	0.012 UJ	NA	NA
1,1-Dichloroethane	MG/KG	0.27	0.011 U	0.011 U	0.012 U	NA	NA
1,1-Dichloroethene	MG/KG	0.33	0.011 U	0.011 U	0.012 U	NA	NA
1,2,4-Trichlorobenzene	MG/KG	3.4	0.011 U	0.011 U	0.012 UJ	NA	NA
1,2-Dibromo-3-chloropropane	MG/KG	-	0.011 UJ	0.011 UJ	0.012 U	NA	NA
1,2-Dibromoethane (Ethylene dibromide)	MG/KG	-	0.011 U	0.011 U	0.012 U	NA	NA
1,2-Dichlorobenzene	MG/KG	1.1	0.011 U	0.011 U	0.012 U	NA	NA
1,2-Dichloroethane	MG/KG	0.02	0.011 U	0.011 U	0.012 UJ	NA	NA
1,2-Dichloroethene (cis)	MG/KG	0.25	0.011 U	0.011 U	0.012 U	NA	NA
1,2-Dichloroethene (trans)	MG/KG	0.19	0.011 U	0.011 U	0.012 U	NA	NA
1,2-Dichloropropane	MG/KG	700	0.011 U	0.011 U	0.012 U	NA	NA
1,3-Dichlorobenzene	MG/KG	2.4	0.011 U	0.011 U	0.012 U	NA	NA
1,3-Dichloropropene (cis)	MG/KG	-	0.011 U	0.011 U	0.012 UJ	NA	NA
1,3-Dichloropropene (trans)	MG/KG	-	0.011 U	0.011 U	0.012 UJ	NA	NA
1,4-Dichlorobenzene	MG/KG	1.8	0.011 U	0.011 U	0.012 U	NA	NA
2-Hexanone	MG/KG	-	0.011 U	0.011 U	0.012 UJ	NA	NA
4-Methyl-2-pentanone	MG/KG	1	0.011 U	0.011 U	0.012 UJ	NA	NA
Acetone	MG/KG	0.05	0.011 U	0.011 U	0.012 UJ	NA	NA
Benzene	MG/KG	0.06	0.011 U	0.011 U	0.012 U	NA	NA
Bromodichloromethane	MG/KG	-	0.011 U	0.011 U	0.012 U	NA	NA
Bromoform	MG/KG	-	0.011 UJ	0.011 UJ	0.012 UJ	NA	NA
Bromomethane	MG/KG	-	0.011 U	0.011 U	0.012 U	NA	NA

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			MW-03	MW-03	MW-03	MW-03	MW-03
Sample ID			MW-3 (0-0.5)	MW-3 (0-2)	MW-3 (2-4)	MW-3 (4-6)	MW-3 (6-8)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			0.0-0.5	0.0-2.0	2.0-4.0	4.0-6.0	6.0-8.0
Date Sampled			05/14/13	05/14/13	05/14/13	05/14/13	05/14/13
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
Carbon disulfide	MG/KG	2.7	0.011 U	0.011 U	0.012 U	NA	NA
Carbon tetrachloride	MG/KG	0.76	0.011 U	0.011 U	0.012 U	NA	NA
Chlorobenzene	MG/KG	1.1	0.011 U	0.011 U	0.012 U	NA	NA
Chloroethane	MG/KG	1.9	0.011 U	0.011 U	0.012 U	NA	NA
Chloroform	MG/KG	0.37	0.011 U	0.011 U	0.012 U	NA	NA
Chloromethane	MG/KG	-	0.011 U	0.011 U	0.012 U	NA	NA
Cyclohexane	MG/KG	-	0.011 U	0.011 U	0.012 U	NA	NA
Dibromochloromethane	MG/KG	10	0.011 U	0.011 U	0.012 UJ	NA	NA
Dichlorodifluoromethane	MG/KG	-	0.011 U	0.011 U	0.012 U	NA	NA
Ethylbenzene	MG/KG	1	0.011 U	0.011 U	0.012 U	NA	NA
Isopropylbenzene (Cumene)	MG/KG	2.3	0.011 U	0.011 U	0.012 U	NA	NA
Methyl acetate	MG/KG	-	0.011 U	0.011 U	0.012 UJ	NA	NA
Methyl ethyl ketone (2-Butanone)	MG/KG	0.12	0.011 UJ	0.011 UJ	0.012 UJ	NA	NA
Methyl tert-butyl ether	MG/KG	0.93	0.011 UJ	0.011 UJ	0.012 UJ	NA	NA
Methylcyclohexane	MG/KG	-	0.011 U	0.011 U	0.012 U	NA	NA
Methylene chloride	MG/KG	0.05	0.011 U	0.011 U	0.012 U	NA	NA
Styrene	MG/KG	300	0.011 U	0.011 U	0.012 U	NA	NA
Tetrachloroethene	MG/KG	1.3	0.011 U	0.011 U	0.012 U	NA	NA
Toluene	MG/KG	0.7	0.011 U	0.011 U	0.012 U	NA	NA
Trichloroethene	MG/KG	0.47	0.011 U	0.011 U	0.012 U	NA	NA
Trichlorofluoromethane	MG/KG	-	0.011 U	0.011 U	0.012 U	NA	NA
Vinyl chloride	MG/KG	0.02	0.011 U	0.011 U	0.012 U	NA	NA
Xylene (total)	MG/KG	0.26	0.011 U	0.011 U	0.012 U	NA	NA
Semivolatile Organic Compounds							
1,1-Biphenyl	MG/KG	60	0.37 U	0.35 U	0.39 U	0.39 U	0.41 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			MW-03	MW-03	MW-03	MW-03	MW-03
Sample ID			MW-3 (0-0.5)	MW-3 (0-2)	MW-3 (2-4)	MW-3 (4-6)	MW-3 (6-8)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			0.0-0.5	0.0-2.0	2.0-4.0	4.0-6.0	6.0-8.0
Date Sampled			05/14/13	05/14/13	05/14/13	05/14/13	05/14/13
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
2,2-oxybis(1-Chloropropane)	MG/KG	-	0.37 UJ	0.35 UJ	0.39 UJ	0.39 UJ	0.41 UJ
2,4,5-Trichlorophenol	MG/KG	0.1	0.94 U	0.87 U	0.99 U	0.99 U	1.0 U
2,4,6-Trichlorophenol	MG/KG	10	0.37 U	0.35 U	0.39 U	0.39 U	0.41 U
2,4-Dichlorophenol	MG/KG	0.4	0.37 U	0.35 U	0.39 U	0.39 U	0.41 U
2,4-Dimethylphenol	MG/KG	-	0.37 UJ	0.35 UJ	0.39 UJ	0.39 UJ	0.41 UJ
2,4-Dinitrophenol	MG/KG	0.2	0.94 U	0.87 U	0.99 U	0.99 U	1.0 U
2,4-Dinitrotoluene	MG/KG	-	0.37 U	0.35 U	0.39 U	0.39 U	0.41 U
2,6-Dinitrotoluene	MG/KG	0.17	0.37 U	0.35 U	0.39 U	0.39 U	0.41 U
2-Chloronaphthalene	MG/KG	-	0.37 U	0.35 U	0.39 U	0.39 U	0.41 U
2-Chlorophenol	MG/KG	0.8	0.37 U	0.35 U	0.39 U	0.39 U	0.41 U
2-Methylnaphthalene	MG/KG	0.41	0.37 U	0.35 U	0.39 U	0.11 J	0.41 U
2-Methylphenol (o-cresol)	MG/KG	0.33	0.23 U	0.21 U	0.24 U	0.24 U	0.25 U
2-Nitroaniline	MG/KG	0.4	0.94 U	0.87 U	0.99 U	0.99 U	1.0 U
2-Nitrophenol	MG/KG	0.3	0.37 U	0.35 U	0.39 U	0.39 U	0.41 U
3,3-Dichlorobenzidine	MG/KG	-	0.37 U	0.35 U	0.39 U	0.39 U	0.41 U
3-Nitroaniline	MG/KG	0.5	0.94 U	0.87 U	0.99 U	0.99 U	1.0 U
4,6-Dinitro-2-methylphenol	MG/KG	-	0.94 U	0.87 U	0.99 U	0.99 U	1.0 U
4-Bromophenyl-phenylether	MG/KG	-	0.37 U	0.35 U	0.39 U	0.39 U	0.41 U
4-Chloro-3-methylphenol	MG/KG	-	0.37 U	0.35 U	0.39 U	0.39 U	0.41 U
4-Chloroaniline	MG/KG	0.22	0.37 U	0.35 U	0.39 U	0.39 U	0.41 U
4-Chlorophenyl-phenylether	MG/KG	-	0.37 U	0.35 U	0.39 U	0.39 U	0.41 U
4-Methylphenol (p-cresol)	MG/KG	0.33	0.23 U	0.21 U	0.18 J	0.24 U	0.25 U
4-Nitroaniline	MG/KG	-	0.94 U	0.87 U	0.99 U	0.99 U	1.0 U
4-Nitrophenol	MG/KG	0.1	0.94 U	0.87 U	0.99 U	0.99 U	1.0 U
Acenaphthene	MG/KG	20	0.37 U	0.35 U	0.39 U	0.28 J	0.41 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			MW-03	MW-03	MW-03	MW-03	MW-03
Sample ID			MW-3 (0-0.5)	MW-3 (0-2)	MW-3 (2-4)	MW-3 (4-6)	MW-3 (6-8)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			0.0-0.5	0.0-2.0	2.0-4.0	4.0-6.0	6.0-8.0
Date Sampled			05/14/13	05/14/13	05/14/13	05/14/13	05/14/13
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
Acenaphthylene	MG/KG	100	0.37 U	0.35 U	0.085 J	0.12 J	0.41 U
Acetophenone	MG/KG	-	0.37 UJ	0.35 UJ	0.11 J	0.096 J	0.41 UJ
Anthracene	MG/KG	100	0.37 U	0.35 U	0.12 J	0.96	0.41 U
Atrazine	MG/KG	-	0.37 U	0.35 U	0.092 J	0.39 U	0.41 U
Benzaldehyde	MG/KG	-	0.37 UJ	0.35 UJ	0.16 J	0.39 UJ	0.41 UJ
Benzo(a)anthracene	MG/KG	1	0.37 U	0.35 U	0.22 J	2.4	0.41 U
Benzo(a)pyrene	MG/KG	1	0.37 U	0.35 U	0.17 J	1.9	0.41 U
Benzo(b)fluoranthene	MG/KG	1	0.37 U	0.35 U	0.21 J	2.3	0.41 U
Benzo(g,h,i)perylene	MG/KG	100	0.37 U	0.35 U	0.097 J	0.87	0.41 U
Benzo(k)fluoranthene	MG/KG	0.8	0.37 U	0.35 U	0.11 J	0.77	0.41 U
bis(2-Chloroethoxy)methane	MG/KG	-	0.37 U	0.35 U	0.39 U	0.39 U	0.41 U
bis(2-Chloroethyl)ether	MG/KG	-	0.37 U	0.35 U	0.39 U	0.39 U	0.41 U
bis(2-Ethylhexyl)phthalate	MG/KG	50	0.37 U	0.35 U	0.39 U	0.093 J	0.41 U
Butylbenzylphthalate	MG/KG	100	0.37 U	0.35 U	0.39 U	0.39 U	0.41 U
Caprolactam	MG/KG	-	0.37 U	0.35 U	0.39 U	0.39 U	0.41 U
Carbazole	MG/KG	-	0.37 U	0.35 U	0.22 J	0.57	0.41 U
Chrysene	MG/KG	1	0.37 U	0.35 U	0.26 J	2.2	0.41 U
Dibenz(a,h)anthracene	MG/KG	0.33	0.23 U	0.21 U	0.24 U	0.24	0.25 U
Dibenzofuran	MG/KG	7	0.37 U	0.35 U	0.12 J	0.28 J	0.41 U
Diethylphthalate	MG/KG	7.1	0.37 U	0.35 U	0.39 U	0.39 U	0.41 U
Dimethylphthalate	MG/KG	27	0.37 U	0.35 U	0.39 U	0.39 U	0.41 U
Di-n-butylphthalate	MG/KG	0.014	0.37 U	0.35 U	0.39 U	0.39 U	0.41 U
Di-n-octylphthalate	MG/KG	100	0.37 U	0.35 U	0.39 U	0.39 U	0.41 U
Fluoranthene	MG/KG	100	0.37 U	0.35 U	0.69	5.3	0.41 U
Fluorene	MG/KG	30	0.37 U	0.35 U	0.12 J	0.35 J	0.41 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			MW-03	MW-03	MW-03	MW-03	MW-03
Sample ID			MW-3 (0-0.5)	MW-3 (0-2)	MW-3 (2-4)	MW-3 (4-6)	MW-3 (6-8)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			0.0-0.5	0.0-2.0	2.0-4.0	4.0-6.0	6.0-8.0
Date Sampled			05/14/13	05/14/13	05/14/13	05/14/13	05/14/13
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
Hexachlorobenzene	MG/KG	0.33	0.37 U	0.35 U	0.39 U	0.39 U	0.41 U
Hexachlorobutadiene	MG/KG	-	0.37 U	0.35 U	0.39 U	0.39 U	0.41 U
Hexachlorocyclopentadiene	MG/KG	10	0.37 U	0.35 U	0.39 U	0.39 U	0.41 U
Hexachloroethane	MG/KG	-	0.37 U	0.35 U	0.39 U	0.39 U	0.41 U
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	0.37 U	0.35 U	0.088 J	0.73	0.41 U
Isophorone	MG/KG	4.4	0.37 U	0.35 U	0.39 U	0.39 U	0.41 U
Naphthalene	MG/KG	12	0.37 U	0.35 U	0.27 J	0.35 J	0.41 U
Nitrobenzene	MG/KG	0.17	0.37 U	0.35 U	0.39 U	0.39 U	0.41 U
N-Nitroso-di-n-propylamine	MG/KG	-	0.37 U	0.35 U	0.39 U	0.39 U	0.41 U
N-Nitrosodiphenylamine	MG/KG	20	0.37 U	0.35 U	0.39 U	0.39 U	0.41 U
Pentachlorophenol	MG/KG	0.8	0.57 U	0.52 U	0.60 U	0.60 U	0.62 U
Phenanthrene	MG/KG	100	0.37 U	0.35 U	0.72	4.1	0.41 U
Phenol	MG/KG	0.33	0.23 U	0.21 U	0.11 J	0.24 U	0.25 U
Pyrene	MG/KG	100	0.37 U	0.35 U	0.54	4.7	0.41 U
Pesticide Organic Compounds							
4,4'-DDD	MG/KG	0.0033	0.0020 U	0.0020 U	R	R	0.0054 NJ
4,4'-DDE	MG/KG	0.0033	0.0020 U	0.00095 J	0.0035 J	0.0033	0.0058
4,4'-DDT	MG/KG	0.0033	0.0020 U	0.0011 J	0.0036 J	0.0047 NJ	R
Aldrin	MG/KG	0.005	0.0030 U	0.0030 U	0.0030 U	0.0030 U	0.0030 U
alpha-BHC	MG/KG	0.02	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
alpha-Chlordane	MG/KG	0.094	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
beta-BHC	MG/KG	0.036	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
delta-BHC	MG/KG	0.04	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Dieldrin	MG/KG	0.005	0.0030 U	0.0030 U	0.0030 U	0.0030 U	0.0025 NJ
Dimethoate	MG/KG	-	0.037 U	0.035 U	0.040 U	0.039 U	0.041 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			MW-03	MW-03	MW-03	MW-03	MW-03
Sample ID			MW-3 (0-0.5)	MW-3 (0-2)	MW-3 (2-4)	MW-3 (4-6)	MW-3 (6-8)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			0.0-0.5	0.0-2.0	2.0-4.0	4.0-6.0	6.0-8.0
Date Sampled			05/14/13	05/14/13	05/14/13	05/14/13	05/14/13
Parameter	**Units**	**Criteria***					
Pesticide Organic Compounds							
Disulfoton	MG/KG	-	0.037 U	0.035 U	0.040 U	0.039 U	0.041 U
Endosulfan I	MG/KG	2.4	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Endosulfan II	MG/KG	2.4	0.0040 U	0.0030 U	0.0040 U	0.0040 U	0.0040 U
Endosulfan sulfate	MG/KG	2.4	0.0040 U	0.0030 U	0.0040 U	0.0040 U	0.0040 U
Endrin	MG/KG	0.014	0.0040 U	0.0030 U	0.0040 U	0.0040 U	0.0040 U
Endrin aldehyde	MG/KG	-	0.0040 U	0.0030 U	0.0040 U	0.0022 J	0.0040 U
Endrin ketone	MG/KG	-	0.0040 U	0.0030 U	0.0040 U	0.0023 J	0.0040 U
Famphur	MG/KG	-	0.037 U	0.035 U	0.040 U	0.039 U	0.041 U
gamma-BHC (Lindane)	MG/KG	0.1	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
gamma-Chlordane	MG/KG	0.54	0.0020 U	0.0020 U	0.0020 U	0.0020 U	R
Heptachlor	MG/KG	0.042	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Heptachlor epoxide	MG/KG	0.02	0.0020 U	0.0020 U	0.0020 U	0.0020 U	R
Methoxychlor	MG/KG	1.2	0.019 U	0.018 U	0.020 U	0.020 U	0.021 U
Methyl parathion	MG/KG	-	0.037 U	0.035 U	0.040 U	0.039 U	0.041 U
Parathion	MG/KG	1.2	0.037 U	0.035 U	0.040 U	0.039 U	0.041 U
Phorate	MG/KG	-	0.037 U	0.035 U	0.040 U	0.039 U	0.041 U
Thionazin	MG/KG	-	0.037 U	0.035 U	0.040 U	0.039 U	0.041 U
Toxaphene	MG/KG	-	0.19 U	0.18 U	0.20 U	0.20 U	0.21 U
Herbicides							
2,4,5-T	MG/KG	1.9	0.006 U	0.005 U	0.006 U	0.003 NJ	0.0062 J
2,4,5-TP (Silvex)	MG/KG	3.8	0.006 U	0.005 U	0.006 U	0.006 U	0.0077
2,4-D	MG/KG	0.5	0.011 U	0.01 U	0.012 U	0.012 U	0.017
2,4-DB	MG/KG	-	R	0.034	0.012 U	0.012 U	0.012 U
Dicamba	MG/KG	-	0.003 U	0.003 U	0.004 U	0.004 U	0.004 U
Dinoseb	MG/KG	-	R	0.004 U	0.005 U	0.005 U	0.005 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			MW-03	MW-03	MW-03	MW-03	MW-03
Sample ID			MW-3 (0-0.5)	MW-3 (0-2)	MW-3 (2-4)	MW-3 (4-6)	MW-3 (6-8)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			0.0-0.5	0.0-2.0	2.0-4.0	4.0-6.0	6.0-8.0
Date Sampled			05/14/13	05/14/13	05/14/13	05/14/13	05/14/13
Parameter	**Units**	**Criteria***					
Herbicides							
Picrolam	MG/KG	-	0.011 U	0.01 U	0.012 U	0.012 UJ	0.012 UJ
Polychlorinated Biphenyls							
Aroclor 1016	MG/KG	-	0.037 U	0.035 U	0.039 U	0.039 U	0.041 U
Aroclor 1221	MG/KG	-	0.076 U	0.070 U	0.080 U	0.080 U	0.084 U
Aroclor 1232	MG/KG	-	0.037 U	0.035 U	0.039 U	0.039 U	0.041 U
Aroclor 1242	MG/KG	-	0.037 U	0.035 U	0.039 U	0.039 U	0.041 U
Aroclor 1248	MG/KG	-	0.037 U	0.035 U	0.039 U	0.039 U	0.041 U
Aroclor 1254	MG/KG	-	0.037 U	0.035 U	0.039 U	0.039 U	0.041 U
Aroclor 1260	MG/KG	-	0.037 U	0.035 U	0.039 U	0.039 U	0.041 U
Total Polychlorinated Biphenyls	MG/KG	0.1	ND	ND	ND	ND	ND
Metals							
Aluminum	MG/KG	10000	6,510	5,180	2,940	NA	NA
Antimony	MG/KG	12	0.14 U	0.13 U	0.21 U	NA	NA
Arsenic	MG/KG	13	2.4	1.2	3.5	NA	NA
Barium	MG/KG	350	22.6 J	13.0 J	34.6	NA	NA
Beryllium	MG/KG	7.2	0.32 J	0.21 J	0.25 J	NA	NA
Cadmium	MG/KG	2.5	0.011 U	0.011 U	0.012 U	NA	NA
Calcium	MG/KG	10000	1,550	838	1,670	NA	NA
Chromium	MG/KG	30	9.2	5.5	6.3	NA	NA
Cobalt	MG/KG	20	4.0 J	2.9 J	5.9 J	NA	NA
Copper	MG/KG	50	5.5	3.8	26.4	NA	NA
Iron	MG/KG	2000	10,200	7,080	6,620	NA	NA
Lead	MG/KG	63	17.9	8.4	47.9	NA	NA
Magnesium	MG/KG	-	1,750	1,300	661	NA	NA
Manganese	MG/KG	1600	163 J	100 J	91.7 J	NA	NA

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			MW-03	MW-03	MW-03	MW-03	MW-03
Sample ID			MW-3 (0-0.5)	MW-3 (0-2)	MW-3 (2-4)	MW-3 (4-6)	MW-3 (6-8)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			0.0-0.5	0.0-2.0	2.0-4.0	4.0-6.0	6.0-8.0
Date Sampled			05/14/13	05/14/13	05/14/13	05/14/13	05/14/13
Parameter	**Units**	**Criteria***					
Metals							
Mercury	MG/KG	0.18	0.019 U	0.022 J	0.033 J	NA	NA
Nickel	MG/KG	30	6.4	4.3	11.7	NA	NA
Potassium	MG/KG	-	249 U	191 U	324 U	NA	NA
Selenium	MG/KG	3.9	0.26 UJ	0.24 UJ	0.51 J	NA	NA
Silver	MG/KG	2	0.023 U	0.021 U	0.024 U	NA	NA
Sodium	MG/KG	-	143 U	133 U	151 U	NA	NA
Thallium	MG/KG	5	0.22 U	0.20 U	0.23 U	NA	NA
Vanadium	MG/KG	39	13.4	9.5	11.9	NA	NA
Zinc	MG/KG	109	34.7	25.5	47.3	NA	NA

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.
U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			MW-03	MW-03	MW-03	MW-03	MW-03
Sample ID			MW-3 (8-10)	MW-3 (10-12)	MW-3 (12-14)	MW-3 (14-16)	MW-3 (16-18)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			8.0-10.0	10.0-12.0	12.0-14.0	14.0-16.0	16.0-18.0
Date Sampled			05/14/13	05/14/13	05/14/13	05/14/13	05/14/13
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
1,1,1-Trichloroethane	MG/KG	0.68	0.013 U	0.012 U	0.013 U	0.013 U	0.012 U
1,1,2,2-Tetrachloroethane	MG/KG	0.6	0.013 U	0.012 U	0.013 U	0.013 U	0.012 U
1,1,2-Trichloro-1,2,2-trifluoroethane	MG/KG	6	0.013 U	0.012 U	0.013 U	0.013 U	0.012 U
1,1,2-Trichloroethane	MG/KG	-	0.013 U	0.012 U	0.013 U	0.013 U	0.012 U
1,1-Dichloroethane	MG/KG	0.27	0.013 U	0.012 U	0.013 U	0.013 U	0.012 U
1,1-Dichloroethene	MG/KG	0.33	0.013 U	0.012 U	0.013 U	0.013 U	0.012 U
1,2,4-Trichlorobenzene	MG/KG	3.4	0.013 U	0.012 U	0.013 U	0.013 U	0.012 U
1,2-Dibromo-3-chloropropane	MG/KG	-	0.013 UJ	0.012 UJ	0.013 UJ	0.013 UJ	0.012 UJ
1,2-Dibromoethane (Ethylene dibromide)	MG/KG	-	0.013 U	0.012 U	0.013 U	0.013 U	0.012 U
1,2-Dichlorobenzene	MG/KG	1.1	0.013 U	0.012 U	0.013 U	0.013 U	0.012 U
1,2-Dichloroethane	MG/KG	0.02	0.013 U	0.012 U	0.013 U	0.013 U	0.012 U
1,2-Dichloroethene (cis)	MG/KG	0.25	0.013 U	0.012 U	0.013 U	0.013 U	0.012 U
1,2-Dichloroethene (trans)	MG/KG	0.19	0.013 U	0.012 U	0.013 U	0.013 U	0.012 U
1,2-Dichloropropane	MG/KG	700	0.013 U	0.012 U	0.013 U	0.013 U	0.012 U
1,3-Dichlorobenzene	MG/KG	2.4	0.013 U	0.012 U	0.013 U	0.013 U	0.012 U
1,3-Dichloropropene (cis)	MG/KG	-	0.013 U	0.012 U	0.013 U	0.013 U	0.012 U
1,3-Dichloropropene (trans)	MG/KG	-	0.013 U	0.012 U	0.013 U	0.013 U	0.012 U
1,4-Dichlorobenzene	MG/KG	1.8	0.013 U	0.012 U	0.013 U	0.013 U	0.012 U
2-Hexanone	MG/KG	-	0.013 U	0.012 U	0.013 U	0.013 U	0.012 U
4-Methyl-2-pentanone	MG/KG	1	0.013 U	0.012 U	0.013 U	0.013 U	0.012 U
Acetone	MG/KG	0.05	0.060	0.051	0.040	0.016	0.013
Benzene	MG/KG	0.06	0.013 U	0.012 U	0.013 U	0.013 U	0.012 U
Bromodichloromethane	MG/KG	-	0.013 U	0.012 U	0.013 U	0.013 U	0.012 U
Bromoform	MG/KG	-	0.013 UJ	0.012 UJ	0.013 UJ	0.013 UJ	0.012 UJ
Bromomethane	MG/KG	-	0.013 U	0.012 U	0.013 U	0.013 U	0.012 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			MW-03	MW-03	MW-03	MW-03	MW-03
Sample ID			MW-3 (8-10)	MW-3 (10-12)	MW-3 (12-14)	MW-3 (14-16)	MW-3 (16-18)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			8.0-10.0	10.0-12.0	12.0-14.0	14.0-16.0	16.0-18.0
Date Sampled			05/14/13	05/14/13	05/14/13	05/14/13	05/14/13
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
Carbon disulfide	MG/KG	2.7	0.013 U	0.012 U	0.013 U	0.013 U	0.012 U
Carbon tetrachloride	MG/KG	0.76	0.013 U	0.012 U	0.013 U	0.013 U	0.012 U
Chlorobenzene	MG/KG	1.1	0.013 U	0.012 U	0.013 U	0.013 U	0.012 U
Chloroethane	MG/KG	1.9	0.013 U	0.012 U	0.013 U	0.013 U	0.012 U
Chloroform	MG/KG	0.37	0.013 U	0.012 U	0.013 U	0.013 U	0.012 U
Chloromethane	MG/KG	-	0.013 U	0.012 U	0.013 U	0.013 U	0.012 U
Cyclohexane	MG/KG	-	0.013 U	0.012 U	0.013 U	0.013 U	0.012 U
Dibromochloromethane	MG/KG	10	0.013 U	0.012 U	0.013 U	0.013 U	0.012 U
Dichlorodifluoromethane	MG/KG	-	0.013 U	0.012 U	0.013 U	0.013 U	0.012 U
Ethylbenzene	MG/KG	1	0.013 U	0.012 U	0.013 U	0.013 U	0.012 U
Isopropylbenzene (Cumene)	MG/KG	2.3	0.013 U	0.012 U	0.013 U	0.013 U	0.012 U
Methyl acetate	MG/KG	-	0.013 U	0.012 U	0.013 U	0.013 U	0.012 U
Methyl ethyl ketone (2-Butanone)	MG/KG	0.12	0.014 J	0.013 J	0.0090 J	0.013 UJ	0.012 UJ
Methyl tert-butyl ether	MG/KG	0.93	0.013 UJ	0.012 UJ	0.013 UJ	0.013 UJ	0.012 UJ
Methylcyclohexane	MG/KG	-	0.013 U	0.012 U	0.013 U	0.013 U	0.012 U
Methylene chloride	MG/KG	0.05	0.013 U	0.012 U	0.013 U	0.013 U	0.012 U
Styrene	MG/KG	300	0.013 U	0.012 U	0.013 U	0.013 U	0.012 U
Tetrachloroethene	MG/KG	1.3	0.013 U	0.012 U	0.013 U	0.013 U	0.012 U
Toluene	MG/KG	0.7	0.013 U	0.012 U	0.013 U	0.013 U	0.012 U
Trichloroethene	MG/KG	0.47	0.013 U	0.012 U	0.013 U	0.013 U	0.012 U
Trichlorofluoromethane	MG/KG	-	0.013 U	0.012 U	0.013 U	0.013 U	0.012 U
Vinyl chloride	MG/KG	0.02	0.013 U	0.012 U	0.013 U	0.013 U	0.012 U
Xylene (total)	MG/KG	0.26	0.013 U	0.012 U	0.013 U	0.013 U	0.012 U
Semivolatile Organic Compounds							
1,1-Biphenyl	MG/KG	60	0.43 U	0.39 U	0.42 U	0.43 U	0.41 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			MW-03	MW-03	MW-03	MW-03	MW-03
Sample ID			MW-3 (8-10)	MW-3 (10-12)	MW-3 (12-14)	MW-3 (14-16)	MW-3 (16-18)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			8.0-10.0	10.0-12.0	12.0-14.0	14.0-16.0	16.0-18.0
Date Sampled			05/14/13	05/14/13	05/14/13	05/14/13	05/14/13
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
2,2-oxybis(1-Chloropropane)	MG/KG	-	0.43 UJ	0.39 UJ	0.42 UJ	0.43 UJ	0.41 UJ
2,4,5-Trichlorophenol	MG/KG	0.1	1.1 U	0.98 U	1.0 U	1.1 U	1.0 U
2,4,6-Trichlorophenol	MG/KG	10	0.43 U	0.39 U	0.42 U	0.43 U	0.41 U
2,4-Dichlorophenol	MG/KG	0.4	0.43 U	0.39 U	0.42 U	0.43 U	0.41 U
2,4-Dimethylphenol	MG/KG	-	0.43 UJ	0.39 UJ	0.42 UJ	0.43 UJ	0.41 UJ
2,4-Dinitrophenol	MG/KG	0.2	1.1 U	0.98 U	1.0 U	1.1 U	1.0 U
2,4-Dinitrotoluene	MG/KG	-	0.43 U	0.39 U	0.42 U	0.43 U	0.41 U
2,6-Dinitrotoluene	MG/KG	0.17	0.43 U	0.39 U	0.42 U	0.43 U	0.41 U
2-Chloronaphthalene	MG/KG	-	0.43 U	0.39 U	0.42 U	0.43 U	0.41 U
2-Chlorophenol	MG/KG	0.8	0.43 U	0.39 U	0.42 U	0.43 U	0.41 U
2-Methylnaphthalene	MG/KG	0.41	0.43 U	0.39 U	0.42 U	0.43 U	0.41 U
2-Methylphenol (o-cresol)	MG/KG	0.33	0.26 U	0.24 U	0.25 U	0.26 U	0.25 U
2-Nitroaniline	MG/KG	0.4	1.1 U	0.98 U	1.0 U	1.1 U	1.0 U
2-Nitrophenol	MG/KG	0.3	0.43 U	0.39 U	0.42 U	0.43 U	0.41 U
3,3-Dichlorobenzidine	MG/KG	-	0.43 U	0.39 U	0.42 U	0.43 U	0.41 U
3-Nitroaniline	MG/KG	0.5	1.1 U	0.98 U	1.0 U	1.1 U	1.0 U
4,6-Dinitro-2-methylphenol	MG/KG	-	1.1 U	0.98 U	1.0 U	1.1 U	1.0 U
4-Bromophenyl-phenylether	MG/KG	-	0.43 U	0.39 U	0.42 U	0.43 U	0.41 U
4-Chloro-3-methylphenol	MG/KG	-	0.43 U	0.39 U	0.42 U	0.43 U	0.41 U
4-Chloroaniline	MG/KG	0.22	0.43 U	0.39 U	0.42 U	0.43 U	0.41 U
4-Chlorophenyl-phenylether	MG/KG	-	0.43 U	0.39 U	0.42 U	0.43 U	0.41 U
4-Methylphenol (p-cresol)	MG/KG	0.33	0.26 U	0.24 U	0.25 U	0.26 U	0.25 U
4-Nitroaniline	MG/KG	-	1.1 U	0.98 U	1.0 U	1.1 U	1.0 U
4-Nitrophenol	MG/KG	0.1	1.1 U	0.98 U	1.0 U	1.1 U	1.0 U
Acenaphthene	MG/KG	20	0.43 U	0.14 J	0.42 U	0.43 U	0.41 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			MW-03	MW-03	MW-03	MW-03	MW-03
Sample ID			MW-3 (8-10)	MW-3 (10-12)	MW-3 (12-14)	MW-3 (14-16)	MW-3 (16-18)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			8.0-10.0	10.0-12.0	12.0-14.0	14.0-16.0	16.0-18.0
Date Sampled			05/14/13	05/14/13	05/14/13	05/14/13	05/14/13
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
Acenaphthylene	MG/KG	100	0.13 J	0.39 U	0.42 U	0.43 U	0.41 U
Acetophenone	MG/KG	-	0.43 UJ	0.39 UJ	0.42 UJ	0.43 UJ	0.41 UJ
Anthracene	MG/KG	100	0.13 J	0.40	0.42 U	0.43 U	0.41 U
Atrazine	MG/KG	-	0.43 U	0.39 U	0.42 U	0.43 U	0.41 U
Benzaldehyde	MG/KG	-	0.43 UJ	0.39 UJ	0.42 UJ	0.43 UJ	0.41 UJ
Benzo(a)anthracene	MG/KG	1	0.63	0.74	0.42 U	0.43 U	0.41 U
Benzo(a)pyrene	MG/KG	1	0.53	0.56	0.42 U	0.43 U	0.41 U
Benzo(b)fluoranthene	MG/KG	1	0.73	0.65	0.42 U	0.43 U	0.41 U
Benzo(g,h,i)perylene	MG/KG	100	0.30 J	0.33 J	0.42 U	0.43 U	0.41 U
Benzo(k)fluoranthene	MG/KG	0.8	0.33 J	0.27 J	0.42 U	0.43 U	0.41 U
bis(2-Chloroethoxy)methane	MG/KG	-	0.43 U	0.39 U	0.42 U	0.43 U	0.41 U
bis(2-Chloroethyl)ether	MG/KG	-	0.43 U	0.39 U	0.42 U	0.43 U	0.41 U
bis(2-Ethylhexyl)phthalate	MG/KG	50	0.43 U	0.11 J	0.42 U	0.43 U	0.41 U
Butylbenzylphthalate	MG/KG	100	0.43 U	0.39 U	0.42 U	0.43 U	0.41 U
Caprolactam	MG/KG	-	0.43 U	0.39 U	0.42 U	0.43 U	0.41 U
Carbazole	MG/KG	-	0.25 J	0.30 J	0.42 U	0.43 U	0.41 U
Chrysene	MG/KG	1	0.74	0.75	0.42 U	0.43 U	0.41 U
Dibenz(a,h)anthracene	MG/KG	0.33	0.092 J	0.085 J	0.25 U	0.26 U	0.25 U
Dibenzofuran	MG/KG	7	0.43 U	0.14 J	0.42 U	0.43 U	0.41 U
Diethylphthalate	MG/KG	7.1	0.43 U	0.39 U	0.42 U	0.43 U	0.41 U
Dimethylphthalate	MG/KG	27	0.43 U	0.39 U	0.42 U	0.43 U	0.41 U
Di-n-butylphthalate	MG/KG	0.014	0.43 U	0.39 U	0.42 U	0.43 U	0.41 U
Di-n-octylphthalate	MG/KG	100	0.43 U	0.39 U	0.42 U	0.43 U	0.41 U
Fluoranthene	MG/KG	100	1.6	1.8	0.42 U	0.43 U	0.41 U
Fluorene	MG/KG	30	0.12 J	0.17 J	0.42 U	0.43 U	0.41 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			MW-03	MW-03	MW-03	MW-03	MW-03
Sample ID			MW-3 (8-10)	MW-3 (10-12)	MW-3 (12-14)	MW-3 (14-16)	MW-3 (16-18)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			8.0-10.0	10.0-12.0	12.0-14.0	14.0-16.0	16.0-18.0
Date Sampled			05/14/13	05/14/13	05/14/13	05/14/13	05/14/13
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
Hexachlorobenzene	MG/KG	0.33	0.43 U	0.39 U	0.42 U	0.43 U	0.41 U
Hexachlorobutadiene	MG/KG	-	0.43 U	0.39 U	0.42 U	0.43 U	0.41 U
Hexachlorocyclopentadiene	MG/KG	10	0.43 U	0.39 U	0.42 U	0.43 U	0.41 U
Hexachloroethane	MG/KG	-	0.43 U	0.39 U	0.42 U	0.43 U	0.41 U
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	0.28 J	0.27 J	0.42 U	0.43 U	0.41 U
Isophorone	MG/KG	4.4	0.43 U	0.39 U	0.42 U	0.43 U	0.41 U
Naphthalene	MG/KG	12	0.43 U	0.17 J	0.42 U	0.43 U	0.41 U
Nitrobenzene	MG/KG	0.17	0.43 U	0.39 U	0.42 U	0.43 U	0.41 U
N-Nitroso-di-n-propylamine	MG/KG	-	0.43 U	0.39 U	0.42 U	0.43 U	0.41 U
N-Nitrosodiphenylamine	MG/KG	20	0.43 U	0.39 U	0.42 U	0.43 U	0.41 U
Pentachlorophenol	MG/KG	0.8	0.65 U	0.59 U	0.63 U	0.65 U	0.62 U
Phenanthrene	MG/KG	100	1.4	1.7	0.42 U	0.43 U	0.41 U
Phenol	MG/KG	0.33	0.26 U	0.24 U	0.25 U	0.26 U	0.25 U
Pyrene	MG/KG	100	1.3	1.6	0.42 U	0.43 U	0.41 U
Pesticide Organic Compounds							
4,4'-DDD	MG/KG	0.0033	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
4,4'-DDE	MG/KG	0.0033	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
4,4'-DDT	MG/KG	0.0033	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Aldrin	MG/KG	0.005	0.0030 U	0.0030 U	0.0030 U	0.0030 U	0.0030 U
alpha-BHC	MG/KG	0.02	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
alpha-Chlordane	MG/KG	0.094	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
beta-BHC	MG/KG	0.036	0.0015 J	0.0020 U	0.0020 U	0.0020 U	0.0020 U
delta-BHC	MG/KG	0.04	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Dieldrin	MG/KG	0.005	0.0030 U	0.0030 U	0.0030 U	0.0030 U	0.0030 U
Dimethoate	MG/KG	-	0.043 U	0.039 U	0.042 U	0.043 U	0.041 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			MW-03	MW-03	MW-03	MW-03	MW-03
Sample ID			MW-3 (8-10)	MW-3 (10-12)	MW-3 (12-14)	MW-3 (14-16)	MW-3 (16-18)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			8.0-10.0	10.0-12.0	12.0-14.0	14.0-16.0	16.0-18.0
Date Sampled			05/14/13	05/14/13	05/14/13	05/14/13	05/14/13
Parameter	**Units**	**Criteria***					
Pesticide Organic Compounds							
Disulfoton	MG/KG	-	0.043 U	0.039 U	0.042 U	0.043 U	0.041 U
Endosulfan I	MG/KG	2.4	0.0013 J	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Endosulfan II	MG/KG	2.4	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endosulfan sulfate	MG/KG	2.4	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endrin	MG/KG	0.014	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endrin aldehyde	MG/KG	-	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endrin ketone	MG/KG	-	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Famphur	MG/KG	-	0.043 U	0.039 U	0.042 U	0.043 U	0.041 U
gamma-BHC (Lindane)	MG/KG	0.1	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
gamma-Chlordane	MG/KG	0.54	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Heptachlor	MG/KG	0.042	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Heptachlor epoxide	MG/KG	0.02	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Methoxychlor	MG/KG	1.2	R	0.020 U	0.021 U	0.022 U	0.021 U
Methyl parathion	MG/KG	-	0.043 U	0.039 U	0.042 U	0.043 U	0.041 U
Parathion	MG/KG	1.2	0.043 U	0.039 U	0.042 U	0.043 U	0.041 U
Phorate	MG/KG	-	0.043 U	0.039 U	0.042 U	0.043 U	0.041 U
Thionazin	MG/KG	-	0.043 U	0.039 U	0.042 U	0.043 U	0.041 U
Toxaphene	MG/KG	-	0.22 U	0.20 U	0.21 U	0.22 U	0.21 U
Herbicides							
2,4,5-T	MG/KG	1.9	0.017 NJ	0.006 U	0.006 U	0.007 U	0.006 U
2,4,5-TP (Silvex)	MG/KG	3.8	0.03	0.006 U	0.006 U	0.007 U	0.006 U
2,4-D	MG/KG	0.5	0.025	0.012 U	0.013 U	0.024 NJ	0.012 U
2,4-DB	MG/KG	-	R	0.012 U	0.013 U	0.013 U	0.012 U
Dicamba	MG/KG	-	0.004 U	0.004 U	0.004 U	0.0038 J	0.004 U
Dinoseb	MG/KG	-	R	0.005 U	0.005 U	0.005 U	0.005 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.
U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			MW-03	MW-03	MW-03	MW-03	MW-03
Sample ID			MW-3 (8-10)	MW-3 (10-12)	MW-3 (12-14)	MW-3 (14-16)	MW-3 (16-18)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			8.0-10.0	10.0-12.0	12.0-14.0	14.0-16.0	16.0-18.0
Date Sampled			05/14/13	05/14/13	05/14/13	05/14/13	05/14/13
Parameter	**Units**	**Criteria***					
Herbicides							
Picrolam	MG/KG	-	R	0.012 UJ	0.013 U	0.013 UJ	0.012 UJ
Polychlorinated Biphenyls							
Aroclor 1016	MG/KG	-	0.043 U	0.039 U	0.042 U	0.043 U	0.041 U
Aroclor 1221	MG/KG	-	0.088 U	0.079 U	0.085 U	0.087 U	0.083 U
Aroclor 1232	MG/KG	-	0.043 U	0.039 U	0.042 U	0.043 U	0.041 U
Aroclor 1242	MG/KG	-	0.043 U	0.039 U	0.042 U	0.043 U	0.041 U
Aroclor 1248	MG/KG	-	0.043 U	0.039 U	0.042 U	0.043 U	0.041 U
Aroclor 1254	MG/KG	-	0.043 U	0.039 U	0.042 U	0.043 U	0.041 U
Aroclor 1260	MG/KG	-	0.043 U	0.039 U	0.042 U	0.043 U	0.041 U
Total Polychlorinated Biphenyls	MG/KG	0.1	ND	ND	ND	ND	ND
Metals							
Aluminum	MG/KG	10000	7,030	10,700	9,180	9,360	7,840
Antimony	MG/KG	12	1.4 U	0.47 U	0.35 U	0.16 U	0.15 U
Arsenic	MG/KG	13	6.4	1.5	2.4	1.7	1.7
Barium	MG/KG	350	59.5	62.9	38.2	67.0	66.0
Beryllium	MG/KG	7.2	0.37 J	0.56 J	0.62 J	0.51 J	0.46 J
Cadmium	MG/KG	2.5	0.013 U	0.012 U	0.013 U	0.013 U	0.012 U
Calcium	MG/KG	10000	2,320	1,160	1,800	22,900	11,600
Chromium	MG/KG	30	11.0	18.7	18.5	15.1	12.5
Cobalt	MG/KG	20	6.7	6.4	7.8	8.2	7.5
Copper	MG/KG	50	25.1	5.7	14.6	7.0	6.0
Iron	MG/KG	2000	13,900	19,600	17,300	19,200	17,000
Lead	MG/KG	63	521	3.8 J	5.3 J	0.13 U	0.12 U
Magnesium	MG/KG	-	1,650	2,450	3,930	6,360	4,850
Manganese	MG/KG	1600	74.0 J	162 J	131 J	337 J	221 J

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			MW-03	MW-03	MW-03	MW-03	MW-03
Sample ID			MW-3 (8-10)	MW-3 (10-12)	MW-3 (12-14)	MW-3 (14-16)	MW-3 (16-18)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			8.0-10.0	10.0-12.0	12.0-14.0	14.0-16.0	16.0-18.0
Date Sampled			05/14/13	05/14/13	05/14/13	05/14/13	05/14/13
Parameter	**Units**	**Criteria***					
Metals							
Mercury	MG/KG	0.18	0.022 J	0.020 U	0.021 U	0.022 U	0.021 U
Nickel	MG/KG	30	11.2	9.2	17.6	9.2	7.5
Potassium	MG/KG	-	553 U	924 J	1,190 J	1,310 J	962 J
Selenium	MG/KG	3.9	2.7 J	0.27 UJ	0.29 UJ	0.30 UJ	0.29 UJ
Silver	MG/KG	2	0.026 U	0.024 U	0.025 U	0.026 U	0.025 U
Sodium	MG/KG	-	165 U	155 J	160 U	565 J	552 J
Thallium	MG/KG	5	0.25 U	0.23 U	0.24 U	0.25 U	0.24 U
Vanadium	MG/KG	39	15.5	27.9	22.1	31.1	28.5
Zinc	MG/KG	109	174	44.2	59.1	47.4	41.2

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.
U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			MW-03	MW-04	MW-05	MW-06	SB-01
Sample ID			MW-3 (18-20)	MW-4 (2-4)	MW-5 (6-8)	MW-6 (2-4)	SB-1 (0-2)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			18.0-20.0	2.0-4.0	6.0-8.0	2.0-4.0	0.0-2.0
Date Sampled			05/14/13	05/20/13	05/21/13	05/21/13	05/15/13
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
1,1,1-Trichloroethane	MG/KG	0.68	R	0.012 U	0.012 U	NA	0.011 UJ
1,1,2,2-Tetrachloroethane	MG/KG	0.6	R	0.012 U	0.012 U	NA	0.011 UJ
1,1,2-Trichloro-1,2,2-trifluoroethane	MG/KG	6	R	0.012 U	0.012 U	NA	0.011 UJ
1,1,2-Trichloroethane	MG/KG	-	R	0.012 U	0.012 U	NA	0.011 UJ
1,1-Dichloroethane	MG/KG	0.27	R	0.012 U	0.012 U	NA	0.011 UJ
1,1-Dichloroethene	MG/KG	0.33	R	0.012 U	0.012 U	NA	0.011 UJ
1,2,4-Trichlorobenzene	MG/KG	3.4	R	0.012 U	0.012 U	NA	0.011 UJ
1,2-Dibromo-3-chloropropane	MG/KG	-	R	0.012 U	0.012 U	NA	0.011 UJ
1,2-Dibromoethane (Ethylene dibromide)	MG/KG	-	R	0.012 U	0.012 U	NA	0.011 UJ
1,2-Dichlorobenzene	MG/KG	1.1	R	0.012 U	0.012 U	NA	0.011 UJ
1,2-Dichloroethane	MG/KG	0.02	R	0.012 U	0.012 U	NA	0.011 UJ
1,2-Dichloroethene (cis)	MG/KG	0.25	R	0.012 U	0.012 U	NA	0.011 UJ
1,2-Dichloroethene (trans)	MG/KG	0.19	R	0.012 U	0.012 U	NA	0.011 UJ
1,2-Dichloropropane	MG/KG	700	R	0.012 U	0.012 U	NA	0.011 UJ
1,3-Dichlorobenzene	MG/KG	2.4	R	0.012 U	0.012 U	NA	0.011 UJ
1,3-Dichloropropene (cis)	MG/KG	-	R	0.012 U	0.012 U	NA	0.011 UJ
1,3-Dichloropropene (trans)	MG/KG	-	R	0.012 U	0.012 U	NA	0.011 UJ
1,4-Dichlorobenzene	MG/KG	1.8	R	0.012 U	0.012 U	NA	0.011 UJ
2-Hexanone	MG/KG	-	R	0.012 UJ	0.012 UJ	NA	0.011 UJ
4-Methyl-2-pentanone	MG/KG	1	R	0.012 UJ	0.012 UJ	NA	0.011 UJ
Acetone	MG/KG	0.05	R	0.012 U	0.012 U	NA	0.011 UJ
Benzene	MG/KG	0.06	R	0.012 U	0.012 U	NA	0.011 UJ
Bromodichloromethane	MG/KG	-	R	0.012 U	0.012 U	NA	0.011 UJ
Bromoform	MG/KG	-	R	0.012 U	0.012 U	NA	0.011 UJ
Bromomethane	MG/KG	-	R	0.012 U	0.012 U	NA	0.011 UJ

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			MW-03	MW-04	MW-05	MW-06	SB-01
Sample ID			MW-3 (18-20)	MW-4 (2-4)	MW-5 (6-8)	MW-6 (2-4)	SB-1 (0-2)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			18.0-20.0	2.0-4.0	6.0-8.0	2.0-4.0	0.0-2.0
Date Sampled			05/14/13	05/20/13	05/21/13	05/21/13	05/15/13
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
Carbon disulfide	MG/KG	2.7	R	0.012 U	0.012 U	NA	0.011 UJ
Carbon tetrachloride	MG/KG	0.76	R	0.012 U	0.012 U	NA	0.011 UJ
Chlorobenzene	MG/KG	1.1	R	0.012 U	0.012 U	NA	0.011 UJ
Chloroethane	MG/KG	1.9	R	0.012 U	0.012 U	NA	0.011 UJ
Chloroform	MG/KG	0.37	R	0.012 U	0.012 U	NA	0.011 UJ
Chloromethane	MG/KG	-	R	0.012 U	0.012 U	NA	0.011 UJ
Cyclohexane	MG/KG	-	R	0.012 U	0.012 U	NA	0.011 UJ
Dibromochloromethane	MG/KG	10	R	0.012 U	0.012 U	NA	0.011 UJ
Dichlorodifluoromethane	MG/KG	-	R	0.012 UJ	0.012 UJ	NA	0.011 UJ
Ethylbenzene	MG/KG	1	R	0.012 U	0.012 U	NA	0.011 UJ
Isopropylbenzene (Cumene)	MG/KG	2.3	R	0.012 U	0.012 U	NA	0.011 UJ
Methyl acetate	MG/KG	-	R	0.012 U	0.012 U	NA	0.011 UJ
Methyl ethyl ketone (2-Butanone)	MG/KG	0.12	R	0.012 UJ	0.012 UJ	NA	0.011 UJ
Methyl tert-butyl ether	MG/KG	0.93	R	0.012 U	0.012 U	NA	0.011 UJ
Methylcyclohexane	MG/KG	-	R	0.012 U	0.012 U	NA	0.011 UJ
Methylene chloride	MG/KG	0.05	R	0.012 U	0.012 U	NA	0.011 UJ
Styrene	MG/KG	300	R	0.012 U	0.012 U	NA	0.011 UJ
Tetrachloroethene	MG/KG	1.3	R	0.012 UJ	0.012 UJ	NA	0.011 UJ
Toluene	MG/KG	0.7	R	0.012 U	0.012 U	NA	0.011 UJ
Trichloroethene	MG/KG	0.47	R	0.012 U	0.012 U	NA	0.011 UJ
Trichlorofluoromethane	MG/KG	-	R	0.012 U	0.012 U	NA	0.011 UJ
Vinyl chloride	MG/KG	0.02	R	0.012 U	0.012 U	NA	0.011 UJ
Xylene (total)	MG/KG	0.26	R	0.012 U	0.012 U	NA	0.011 UJ
Semivolatile Organic Compounds							
1,1-Biphenyl	MG/KG	60	0.38 U	0.38 U	0.38 U	0.38 U	0.35 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			MW-03	MW-04	MW-05	MW-06	SB-01
Sample ID			MW-3 (18-20)	MW-4 (2-4)	MW-5 (6-8)	MW-6 (2-4)	SB-1 (0-2)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			18.0-20.0	2.0-4.0	6.0-8.0	2.0-4.0	0.0-2.0
Date Sampled			05/14/13	05/20/13	05/21/13	05/21/13	05/15/13
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
2,2-oxybis(1-Chloropropane)	MG/KG	-	0.38 UJ	0.38 UJ	0.38 UJ	0.38 UJ	0.35 U
2,4,5-Trichlorophenol	MG/KG	0.1	0.95 U	0.96 U	0.97 U	0.96 U	0.88 U
2,4,6-Trichlorophenol	MG/KG	10	0.38 U	0.38 U	0.38 U	0.38 U	0.35 U
2,4-Dichlorophenol	MG/KG	0.4	0.38 U	0.38 U	0.38 U	0.38 U	0.35 U
2,4-Dimethylphenol	MG/KG	-	0.38 UJ	0.38 U	0.38 U	0.38 U	0.35 U
2,4-Dinitrophenol	MG/KG	0.2	0.95 U	0.96 U	0.97 U	0.96 U	0.88 U
2,4-Dinitrotoluene	MG/KG	-	0.38 U	0.38 U	0.38 U	0.38 U	0.35 U
2,6-Dinitrotoluene	MG/KG	0.17	0.38 U	0.38 U	0.38 U	0.38 U	0.35 U
2-Chloronaphthalene	MG/KG	-	0.38 U	0.38 U	0.38 U	0.38 U	0.35 U
2-Chlorophenol	MG/KG	0.8	0.38 U	0.38 U	0.38 U	0.38 U	0.35 U
2-Methylnaphthalene	MG/KG	0.41	0.38 U	0.38 U	0.38 U	0.38 U	0.35 U
2-Methylphenol (o-cresol)	MG/KG	0.33	0.23 U	0.23 U	0.23 U	0.23 U	0.21 U
2-Nitroaniline	MG/KG	0.4	0.95 U	0.96 U	0.97 U	0.96 U	0.88 U
2-Nitrophenol	MG/KG	0.3	0.38 U	0.38 U	0.38 U	0.38 U	0.35 U
3,3-Dichlorobenzidine	MG/KG	-	0.38 U	0.38 U	0.38 U	0.38 U	0.35 U
3-Nitroaniline	MG/KG	0.5	0.95 U	0.96 U	0.97 U	0.96 U	0.88 U
4,6-Dinitro-2-methylphenol	MG/KG	-	0.95 U	0.96 U	0.97 U	0.96 U	0.88 U
4-Bromophenyl-phenylether	MG/KG	-	0.38 U	0.38 U	0.38 U	0.38 U	0.35 U
4-Chloro-3-methylphenol	MG/KG	-	0.38 U	0.38 U	0.38 U	0.38 U	0.35 U
4-Chloroaniline	MG/KG	0.22	0.38 U	0.38 U	0.38 U	0.38 U	0.35 U
4-Chlorophenyl-phenylether	MG/KG	-	0.38 U	0.38 U	0.38 U	0.38 U	0.35 U
4-Methylphenol (p-cresol)	MG/KG	0.33	0.23 U	0.23 U	0.23 U	0.23 U	0.21 U
4-Nitroaniline	MG/KG	-	0.95 U	0.96 U	0.97 U	0.96 U	0.88 U
4-Nitrophenol	MG/KG	0.1	0.95 U	0.96 U	0.97 U	0.96 U	0.88 U
Acenaphthene	MG/KG	20	0.38 U	0.38 U	0.38 U	0.38 U	0.35 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			MW-03	MW-04	MW-05	MW-06	SB-01
Sample ID			MW-3 (18-20)	MW-4 (2-4)	MW-5 (6-8)	MW-6 (2-4)	SB-1 (0-2)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			18.0-20.0	2.0-4.0	6.0-8.0	2.0-4.0	0.0-2.0
Date Sampled			05/14/13	05/20/13	05/21/13	05/21/13	05/15/13
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
Acenaphthylene	MG/KG	100	0.38 U	0.38 U	0.38 U	0.38 U	0.35 U
Acetophenone	MG/KG	-	0.38 UJ	0.38 UJ	0.38 UJ	0.38 UJ	0.35 UJ
Anthracene	MG/KG	100	0.38 U	0.38 U	0.38 U	0.38 U	0.35 U
Atrazine	MG/KG	-	0.38 U	0.38 U	0.38 U	0.38 U	0.35 U
Benzaldehyde	MG/KG	-	0.38 UJ	0.38 UJ	0.38 UJ	0.38 UJ	0.35 UJ
Benzo(a)anthracene	MG/KG	1	0.38 U	0.38 U	0.38 U	0.38 U	0.35 U
Benzo(a)pyrene	MG/KG	1	0.38 U	0.38 U	0.38 U	0.38 U	0.35 U
Benzo(b)fluoranthene	MG/KG	1	0.38 U	0.38 U	0.38 U	0.38 U	0.35 U
Benzo(g,h,i)perylene	MG/KG	100	0.38 U	0.38 U	0.38 U	0.38 U	0.35 U
Benzo(k)fluoranthene	MG/KG	0.8	0.38 U	0.38 U	0.38 U	0.38 U	0.35 U
bis(2-Chloroethoxy)methane	MG/KG	-	0.38 U	0.38 U	0.38 U	0.38 U	0.35 U
bis(2-Chloroethyl)ether	MG/KG	-	0.38 U	0.38 U	0.38 U	0.38 U	0.35 U
bis(2-Ethylhexyl)phthalate	MG/KG	50	0.38 U	0.38 U	0.38 U	0.38 U	0.35 U
Butylbenzylphthalate	MG/KG	100	0.38 U	0.38 U	0.38 U	0.38 U	0.35 U
Caprolactam	MG/KG	-	0.38 U	0.38 U	0.38 U	0.38 U	0.35 U
Carbazole	MG/KG	-	0.38 U	0.38 U	0.38 U	0.38 U	0.35 U
Chrysene	MG/KG	1	0.38 U	0.38 U	0.38 U	0.38 U	0.35 U
Dibenz(a,h)anthracene	MG/KG	0.33	0.23 U	0.23 U	0.23 U	0.23 U	0.21 U
Dibenzofuran	MG/KG	7	0.38 U	0.38 U	0.38 U	0.38 U	0.35 U
Diethylphthalate	MG/KG	7.1	0.38 U	0.38 U	0.38 U	0.38 U	0.35 U
Dimethylphthalate	MG/KG	27	0.38 U	0.38 U	0.38 U	0.38 U	0.35 U
Di-n-butylphthalate	MG/KG	0.014	0.38 U	0.38 U	0.38 U	0.38 U	0.35 U
Di-n-octylphthalate	MG/KG	100	0.38 U	0.38 U	0.38 U	0.38 U	0.35 U
Fluoranthene	MG/KG	100	0.38 U	0.38 U	0.38 U	0.38 U	0.35 U
Fluorene	MG/KG	30	0.38 U	0.38 U	0.38 U	0.38 U	0.35 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			MW-03	MW-04	MW-05	MW-06	SB-01
Sample ID			MW-3 (18-20)	MW-4 (2-4)	MW-5 (6-8)	MW-6 (2-4)	SB-1 (0-2)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			18.0-20.0	2.0-4.0	6.0-8.0	2.0-4.0	0.0-2.0
Date Sampled			05/14/13	05/20/13	05/21/13	05/21/13	05/15/13
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
Hexachlorobenzene	MG/KG	0.33	0.38 U	0.38 U	0.38 U	0.38 U	0.35 U
Hexachlorobutadiene	MG/KG	-	0.38 U	0.38 U	0.38 U	0.38 U	0.35 U
Hexachlorocyclopentadiene	MG/KG	10	0.38 U	0.38 UJ	0.38 UJ	0.38 UJ	0.35 UJ
Hexachloroethane	MG/KG	-	0.38 U	0.38 U	0.38 U	0.38 U	0.35 U
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	0.38 U	0.38 U	0.38 U	0.38 U	0.35 U
Isophorone	MG/KG	4.4	0.38 U	0.38 U	0.38 U	0.38 U	0.35 U
Naphthalene	MG/KG	12	0.38 U	0.38 U	0.38 U	0.38 U	0.35 U
Nitrobenzene	MG/KG	0.17	0.38 U	0.38 U	0.38 U	0.38 U	0.35 U
N-Nitroso-di-n-propylamine	MG/KG	-	0.38 U	0.38 U	0.38 U	0.38 U	0.35 U
N-Nitrosodiphenylamine	MG/KG	20	0.38 U	0.38 U	0.38 U	0.38 U	0.35 U
Pentachlorophenol	MG/KG	0.8	0.57 U	0.58 U	0.58 U	0.58 U	0.53 U
Phenanthrene	MG/KG	100	0.38 U	0.38 U	0.38 U	0.38 U	0.35 U
Phenol	MG/KG	0.33	0.23 U	0.23 U	0.23 U	0.23 U	0.21 U
Pyrene	MG/KG	100	0.38 U	0.38 U	0.38 U	0.38 U	0.35 U
Pesticide Organic Compounds							
4,4'-DDD	MG/KG	0.0033	0.0020 U	0.0020 J	0.0020 U	0.0020 U	0.0020 U
4,4'-DDE	MG/KG	0.0033	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
4,4'-DDT	MG/KG	0.0033	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0010 J
Aldrin	MG/KG	0.005	0.0030 U	0.0030 U	0.0030 U	0.0030 U	0.0030 U
alpha-BHC	MG/KG	0.02	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
alpha-Chlordane	MG/KG	0.094	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
beta-BHC	MG/KG	0.036	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
delta-BHC	MG/KG	0.04	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Dieldrin	MG/KG	0.005	0.0030 U	0.0023 J	0.0030 U	0.0030 U	0.0030 U
Dimethoate	MG/KG	-	0.038 U	0.038 U	0.039 U	0.038 U	0.035 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			MW-03	MW-04	MW-05	MW-06	SB-01
Sample ID			MW-3 (18-20)	MW-4 (2-4)	MW-5 (6-8)	MW-6 (2-4)	SB-1 (0-2)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			18.0-20.0	2.0-4.0	6.0-8.0	2.0-4.0	0.0-2.0
Date Sampled			05/14/13	05/20/13	05/21/13	05/21/13	05/15/13
Parameter	**Units**	**Criteria***					
Pesticide Organic Compounds							
Disulfoton	MG/KG	-	0.038 U	0.038 U	0.039 U	0.038 U	0.035 U
Endosulfan I	MG/KG	2.4	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Endosulfan II	MG/KG	2.4	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0030 U
Endosulfan sulfate	MG/KG	2.4	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0030 U
Endrin	MG/KG	0.014	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0030 U
Endrin aldehyde	MG/KG	-	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0030 U
Endrin ketone	MG/KG	-	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0030 U
Famphur	MG/KG	-	0.038 U	0.038 U	0.039 U	0.038 U	0.035 U
gamma-BHC (Lindane)	MG/KG	0.1	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
gamma-Chlordane	MG/KG	0.54	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Heptachlor	MG/KG	0.042	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Heptachlor epoxide	MG/KG	0.02	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Methoxychlor	MG/KG	1.2	0.019 U	0.020 U	0.020 U	0.020 U	0.018 U
Methyl parathion	MG/KG	-	0.038 U	0.038 U	0.039 U	0.038 U	0.035 U
Parathion	MG/KG	1.2	0.038 U	0.038 U	0.039 U	0.038 U	0.035 U
Phorate	MG/KG	-	0.038 U	0.038 U	0.039 U	0.038 U	0.035 U
Thionazin	MG/KG	-	0.038 U	0.038 U	0.039 U	0.038 U	0.035 U
Toxaphene	MG/KG	-	0.19 U	0.20 U	0.20 U	0.20 U	0.18 U
Herbicides							
2,4,5-T	MG/KG	1.9	0.006 U	0.006 U	0.006 U	0.006 U	0.005 U
2,4,5-TP (Silvex)	MG/KG	3.8	0.006 U	0.006 U	0.006 U	0.006 U	0.005 U
2,4-D	MG/KG	0.5	0.011 U	0.012 U	0.012 U	0.018 J	0.011 U
2,4-DB	MG/KG	-	0.011 U	0.15	0.012 U	0.034	0.011 U
Dicamba	MG/KG	-	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U
Dinoseb	MG/KG	-	0.005 U	0.005 U	0.005 U	0.005 U	0.004 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			MW-03	MW-04	MW-05	MW-06	SB-01
Sample ID			MW-3 (18-20)	MW-4 (2-4)	MW-5 (6-8)	MW-6 (2-4)	SB-1 (0-2)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			18.0-20.0	2.0-4.0	6.0-8.0	2.0-4.0	0.0-2.0
Date Sampled			05/14/13	05/20/13	05/21/13	05/21/13	05/15/13
Parameter	**Units**	**Criteria***					
Herbicides							
Picrolam	MG/KG	-	0.011 UJ	0.012 U	0.012 U	0.011 U	0.011 U
Polychlorinated Biphenyls							
Aroclor 1016	MG/KG	-	0.038 U	0.038 U	0.038 U	0.038 U	0.035 U
Aroclor 1221	MG/KG	-	0.076 U	0.077 U	0.078 U	0.077 U	0.071 U
Aroclor 1232	MG/KG	-	0.038 U	0.038 U	0.038 U	0.038 U	0.035 U
Aroclor 1242	MG/KG	-	0.038 U	0.038 U	0.038 U	0.038 U	0.035 U
Aroclor 1248	MG/KG	-	0.038 U	0.038 U	0.038 U	0.038 U	0.035 U
Aroclor 1254	MG/KG	-	0.038 U	0.038 U	0.038 U	0.038 U	0.035 U
Aroclor 1260	MG/KG	-	0.038 U	0.038 U	0.038 U	0.038 U	0.035 U
Total Polychlorinated Biphenyls	MG/KG	0.1	ND	ND	ND	ND	ND
Metals							
Aluminum	MG/KG	10000	5,810	9,180	7,970	NA	5,200
Antimony	MG/KG	12	0.15 U	0.55 J	0.53 J	NA	0.13 U
Arsenic	MG/KG	13	3.4	0.86 J	4.1	NA	0.99 J
Barium	MG/KG	350	68.2	49.1	55.9	NA	17.3 J
Beryllium	MG/KG	7.2	0.32 J	0.41 U	0.34 J	NA	0.17 J
Cadmium	MG/KG	2.5	0.011 U	0.012 U	0.012 U	NA	0.011 U
Calcium	MG/KG	10000	41,500	1,880	34,200	NA	862
Chromium	MG/KG	30	12.1	15.4	20.0	NA	4.4
Cobalt	MG/KG	20	7.1	4.8 J	8.8	NA	2.2 J
Copper	MG/KG	50	13.9	1.7 J	17.8	NA	3.8
Iron	MG/KG	2000	15,600	16,300	20,500	NA	5,730
Lead	MG/KG	63	7.8	7.2 J+	18.8	NA	14.8
Magnesium	MG/KG	-	8,050	3,160	9,980	NA	1,020
Manganese	MG/KG	1600	273 J	201	307	NA	83.1 J

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			MW-03	MW-04	MW-05	MW-06	SB-01
Sample ID			MW-3 (18-20)	MW-4 (2-4)	MW-5 (6-8)	MW-6 (2-4)	SB-1 (0-2)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			18.0-20.0	2.0-4.0	6.0-8.0	2.0-4.0	0.0-2.0
Date Sampled			05/14/13	05/20/13	05/21/13	05/21/13	05/15/13
Parameter	**Units**	**Criteria***					
Metals							
Mercury	MG/KG	0.18	0.019 U	0.27	0.019 U	NA	0.029 J
Nickel	MG/KG	30	13.8	9.4	19.3	NA	3.0 U
Potassium	MG/KG	-	914 J	1,040	1,390	NA	31.2 J
Selenium	MG/KG	3.9	0.26 UJ	0.27 UJ	0.27 UJ	NA	0.24 UJ
Silver	MG/KG	2	0.023 U	0.023 U	0.023 U	NA	0.021 U
Sodium	MG/KG	-	196 J	155 J	207 J	NA	133 U
Thallium	MG/KG	5	0.22 U	0.22 U	0.22 U	NA	0.20 U
Vanadium	MG/KG	39	17.4	17.3	19.6	NA	8.3
Zinc	MG/KG	109	39.2	36.0	55.1	NA	24.8

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

(oval) Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.
U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-01	SB-01	SB-01	SB-01	SB-01
Sample ID			SB-1 (2-4)	SB-1 (4-6)	SB-1 (6-8)	SB-1 (8-10)	SB-1 (10-12)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0	10.0-12.0
Date Sampled			05/15/13	05/15/13	05/15/13	05/15/13	05/15/13
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
1,1,1-Trichloroethane	MG/KG	0.68	0.011 UJ	0.011 UJ	0.013 UJ	0.012 UJ	0.013 UJ
1,1,2,2-Tetrachloroethane	MG/KG	0.6	0.011 UJ	0.011 UJ	0.013 UJ	0.012 UJ	0.013 UJ
1,1,2-Trichloro-1,2,2-trifluoroethane	MG/KG	6	0.011 UJ	0.011 UJ	0.013 UJ	0.012 UJ	0.013 UJ
1,1,2-Trichloroethane	MG/KG	-	0.011 UJ	0.011 UJ	0.013 UJ	0.012 UJ	0.013 UJ
1,1-Dichloroethane	MG/KG	0.27	0.011 UJ	0.011 UJ	0.013 UJ	0.012 UJ	0.013 UJ
1,1-Dichloroethene	MG/KG	0.33	0.011 UJ	0.011 UJ	0.013 UJ	0.012 UJ	0.013 UJ
1,2,4-Trichlorobenzene	MG/KG	3.4	0.011 UJ	0.011 UJ	0.013 UJ	0.012 UJ	0.013 UJ
1,2-Dibromo-3-chloropropane	MG/KG	-	0.011 UJ	0.011 UJ	0.013 UJ	0.012 UJ	0.013 UJ
1,2-Dibromoethane (Ethylene dibromide)	MG/KG	-	0.011 UJ	0.011 UJ	0.013 UJ	0.012 UJ	0.013 UJ
1,2-Dichlorobenzene	MG/KG	1.1	0.011 UJ	0.011 UJ	0.013 UJ	0.012 UJ	0.013 UJ
1,2-Dichloroethane	MG/KG	0.02	0.011 UJ	0.011 UJ	0.013 UJ	0.012 UJ	0.013 UJ
1,2-Dichloroethene (cis)	MG/KG	0.25	0.011 UJ	0.011 UJ	0.013 UJ	0.012 UJ	0.013 UJ
1,2-Dichloroethene (trans)	MG/KG	0.19	0.011 UJ	0.011 UJ	0.013 UJ	0.012 UJ	0.013 UJ
1,2-Dichloropropane	MG/KG	700	0.011 UJ	0.011 UJ	0.013 UJ	0.012 UJ	0.013 UJ
1,3-Dichlorobenzene	MG/KG	2.4	0.011 UJ	0.011 UJ	0.013 UJ	0.012 UJ	0.013 UJ
1,3-Dichloropropene (cis)	MG/KG	-	0.011 UJ	0.011 UJ	0.013 UJ	0.012 UJ	0.013 UJ
1,3-Dichloropropene (trans)	MG/KG	-	0.011 UJ	0.011 UJ	0.013 UJ	0.012 UJ	0.013 UJ
1,4-Dichlorobenzene	MG/KG	1.8	0.011 UJ	0.011 UJ	0.013 UJ	0.012 UJ	0.013 UJ
2-Hexanone	MG/KG	-	0.011 UJ	0.011 UJ	0.013 UJ	0.012 UJ	0.013 UJ
4-Methyl-2-pentanone	MG/KG	1	0.011 UJ	0.011 UJ	0.013 UJ	0.0060 J	0.013 UJ
Acetone	MG/KG	0.05	0.011 UJ	0.011 UJ	0.013 UJ	0.029 J	0.048 J
Benzene	MG/KG	0.06	0.011 UJ	0.011 UJ	0.013 UJ	0.012 UJ	0.013 UJ
Bromodichloromethane	MG/KG	-	0.011 UJ	0.011 UJ	0.013 UJ	0.012 UJ	0.013 UJ
Bromoform	MG/KG	-	0.011 UJ	0.011 UJ	0.013 UJ	0.012 UJ	0.013 UJ
Bromomethane	MG/KG	-	0.011 UJ	0.011 UJ	0.013 UJ	0.012 UJ	0.013 UJ

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-01	SB-01	SB-01	SB-01	SB-01
Sample ID			SB-1 (2-4)	SB-1 (4-6)	SB-1 (6-8)	SB-1 (8-10)	SB-1 (10-12)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0	10.0-12.0
Date Sampled			05/15/13	05/15/13	05/15/13	05/15/13	05/15/13
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
Carbon disulfide	MG/KG	2.7	0.011 UJ	0.011 UJ	0.013 UJ	0.012 UJ	0.013 UJ
Carbon tetrachloride	MG/KG	0.76	0.011 UJ	0.011 UJ	0.013 UJ	0.012 UJ	0.013 UJ
Chlorobenzene	MG/KG	1.1	0.011 UJ	0.011 UJ	0.0030 J	0.012 UJ	0.013 UJ
Chloroethane	MG/KG	1.9	0.011 UJ	0.011 UJ	0.013 UJ	0.012 UJ	0.013 UJ
Chloroform	MG/KG	0.37	0.011 UJ	0.011 UJ	0.013 UJ	0.012 UJ	0.013 UJ
Chloromethane	MG/KG	-	0.011 UJ	0.011 UJ	0.013 UJ	0.012 UJ	0.013 UJ
Cyclohexane	MG/KG	-	0.011 UJ	0.011 UJ	0.013 UJ	0.012 UJ	0.013 UJ
Dibromochloromethane	MG/KG	10	0.011 UJ	0.011 UJ	0.013 UJ	0.012 UJ	0.013 UJ
Dichlorodifluoromethane	MG/KG	-	0.011 UJ	0.011 UJ	0.013 UJ	0.012 UJ	0.013 UJ
Ethylbenzene	MG/KG	1	0.011 UJ	0.011 UJ	0.013 UJ	0.0030 J	0.013 UJ
Isopropylbenzene (Cumene)	MG/KG	2.3	0.011 UJ	0.011 UJ	0.013 UJ	0.012 UJ	0.013 UJ
Methyl acetate	MG/KG	-	0.011 UJ	0.011 UJ	0.013 UJ	0.012 UJ	0.013 UJ
Methyl ethyl ketone (2-Butanone)	MG/KG	0.12	0.011 UJ	0.011 UJ	0.013 UJ	0.0070 J	0.013 J
Methyl tert-butyl ether	MG/KG	0.93	0.011 UJ	0.011 UJ	0.013 UJ	0.012 UJ	0.013 UJ
Methylcyclohexane	MG/KG	-	0.011 UJ	0.011 UJ	0.013 UJ	0.012 UJ	0.013 UJ
Methylene chloride	MG/KG	0.05	0.011 UJ	0.011 UJ	0.013 UJ	0.012 UJ	0.013 UJ
Styrene	MG/KG	300	0.011 UJ	0.011 UJ	0.013 UJ	0.012 UJ	0.013 UJ
Tetrachloroethene	MG/KG	1.3	0.011 UJ	0.011 UJ	0.013 UJ	0.012 UJ	0.013 UJ
Toluene	MG/KG	0.7	0.011 UJ	0.011 UJ	0.013 UJ	0.012 UJ	0.013 UJ
Trichloroethene	MG/KG	0.47	0.011 UJ	0.011 UJ	0.013 UJ	0.012 UJ	0.013 UJ
Trichlorofluoromethane	MG/KG	-	0.011 UJ	0.011 UJ	0.013 UJ	0.012 UJ	0.013 UJ
Vinyl chloride	MG/KG	0.02	0.011 UJ	0.011 UJ	0.013 UJ	0.012 UJ	0.013 UJ
Xylene (total)	MG/KG	0.26	0.011 UJ	0.011 UJ	0.013 UJ	0.0030 J	0.013 UJ
Semivolatile Organic Compounds							
1,1-Biphenyl	MG/KG	60	0.37 U	0.36 U	0.092 J	0.40 U	0.42 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-01	SB-01	SB-01	SB-01	SB-01
Sample ID			SB-1 (2-4)	SB-1 (4-6)	SB-1 (6-8)	SB-1 (8-10)	SB-1 (10-12)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0	10.0-12.0
Date Sampled			05/15/13	05/15/13	05/15/13	05/15/13	05/15/13
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
2,2-oxybis(1-Chloropropane)	MG/KG	-	0.37 U	0.36 U	0.43 U	0.40 U	0.42 U
2,4,5-Trichlorophenol	MG/KG	0.1	0.93 U	0.90 U	1.1 U	0.46 J	1.1 U
2,4,6-Trichlorophenol	MG/KG	10	0.37 U	0.36 U	0.43 U	0.40 U	0.42 U
2,4-Dichlorophenol	MG/KG	0.4	0.37 U	0.36 U	0.92	1.4	0.42 U
2,4-Dimethylphenol	MG/KG	-	0.37 U	0.36 U	0.43 U	0.40 U	0.42 U
2,4-Dinitrophenol	MG/KG	0.2	0.93 U	0.90 U	1.1 U	0.99 U	1.1 U
2,4-Dinitrotoluene	MG/KG	-	0.37 U	0.36 U	0.43 U	0.40 U	0.42 U
2,6-Dinitrotoluene	MG/KG	0.17	0.37 U	0.36 U	0.43 U	0.40 U	0.42 U
2-Chloronaphthalene	MG/KG	-	0.37 U	0.36 U	0.43 U	0.40 U	0.42 U
2-Chlorophenol	MG/KG	0.8	0.37 U	0.36 U	0.43 U	0.40 U	0.42 U
2-Methylnaphthalene	MG/KG	0.41	0.37 U	0.36 U	0.42 J	0.40 U	0.42 U
2-Methylphenol (o-cresol)	MG/KG	0.33	0.22 U	0.22 U	0.12 J	0.24 U	0.25 U
2-Nitroaniline	MG/KG	0.4	0.93 U	0.90 U	1.1 U	0.99 U	1.1 U
2-Nitrophenol	MG/KG	0.3	0.37 U	0.36 U	0.43 U	0.40 U	0.42 U
3,3-Dichlorobenzidine	MG/KG	-	0.37 U	0.36 U	0.43 U	0.40 U	0.42 U
3-Nitroaniline	MG/KG	0.5	0.93 U	0.90 U	1.1 U	0.99 U	1.1 U
4,6-Dinitro-2-methylphenol	MG/KG	-	0.93 U	0.90 U	1.1 U	0.99 U	1.1 U
4-Bromophenyl-phenylether	MG/KG	-	0.37 U	0.36 U	0.43 U	0.40 U	0.42 U
4-Chloro-3-methylphenol	MG/KG	-	0.37 U	0.36 U	0.43 U	0.40 U	0.42 U
4-Chloroaniline	MG/KG	0.22	0.37 U	0.36 U	0.43 U	0.40 U	0.42 U
4-Chlorophenyl-phenylether	MG/KG	-	0.37 U	0.36 U	0.43 U	0.40 U	0.42 U
4-Methylphenol (p-cresol)	MG/KG	0.33	0.22 U	0.22 U	2.2	0.24 U	0.25 U
4-Nitroaniline	MG/KG	-	0.93 U	0.90 U	1.1 U	0.99 U	1.1 U
4-Nitrophenol	MG/KG	0.1	0.93 U	0.90 U	1.1 U	0.99 U	1.1 U
Acenaphthene	MG/KG	20	0.37 U	0.36 U	0.12 J	0.40 U	0.42 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-01	SB-01	SB-01	SB-01	SB-01
Sample ID			SB-1 (2-4)	SB-1 (4-6)	SB-1 (6-8)	SB-1 (8-10)	SB-1 (10-12)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0	10.0-12.0
Date Sampled			05/15/13	05/15/13	05/15/13	05/15/13	05/15/13
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
Acenaphthylene	MG/KG	100	0.37 U	0.36 U	0.13 J	0.40 U	0.42 U
Acetophenone	MG/KG	-	0.37 UJ	0.36 UJ	0.12 J	0.40 UJ	0.42 UJ
Anthracene	MG/KG	100	0.37 U	0.36 U	0.35 J	0.40 U	0.42 U
Atrazine	MG/KG	-	0.37 U	0.36 U	0.31 J	0.40 U	0.42 U
Benzaldehyde	MG/KG	-	0.37 UJ	0.36 UJ	0.21 J	0.40 UJ	0.42 UJ
Benzo(a)anthracene	MG/KG	1	0.37 U	0.36 U	0.82	0.40 U	0.42 U
Benzo(a)pyrene	MG/KG	1	0.37 U	0.36 U	0.81	0.40 U	0.42 U
Benzo(b)fluoranthene	MG/KG	1	0.099 J	0.36 U	1.5	0.40 U	0.42 U
Benzo(g,h,i)perylene	MG/KG	100	0.37 U	0.36 U	0.48	0.40 U	0.42 U
Benzo(k)fluoranthene	MG/KG	0.8	0.37 U	0.36 U	0.60	0.40 U	0.42 U
bis(2-Chloroethoxy)methane	MG/KG	-	0.37 U	0.36 U	0.43 U	0.40 U	0.42 U
bis(2-Chloroethyl)ether	MG/KG	-	0.37 U	0.36 U	0.43 U	0.40 U	0.42 U
bis(2-Ethylhexyl)phthalate	MG/KG	50	0.37 U	0.36 U	2.0	0.40 U	0.42 U
Butylbenzylphthalate	MG/KG	100	0.37 U	0.36 U	1.1	0.40 U	0.42 U
Caprolactam	MG/KG	-	0.37 U	0.36 U	0.43 U	0.40 U	0.42 U
Carbazole	MG/KG	-	0.37 U	0.36 U	0.34 J	0.15 J	0.42 U
Chrysene	MG/KG	1	0.076 J	0.36 U	1.2	0.40 U	0.42 U
Dibenz(a,h)anthracene	MG/KG	0.33	0.22 U	0.22 U	0.13 J	0.24 U	0.25 U
Dibenzofuran	MG/KG	7	0.37 U	0.36 U	0.15 J	0.40 U	0.42 U
Diethylphthalate	MG/KG	7.1	0.37 U	0.36 U	0.43 U	0.40 U	0.42 U
Dimethylphthalate	MG/KG	27	0.37 U	0.36 U	0.43 U	0.40 U	0.42 U
Di-n-butylphthalate	MG/KG	0.014	0.37 U	0.36 U	0.43 U	0.40 U	0.42 U
Di-n-octylphthalate	MG/KG	100	0.37 U	0.36 U	0.29 J	0.40 U	0.42 U
Fluoranthene	MG/KG	100	0.37 U	0.36 U	2.8	0.40 U	0.42 U
Fluorene	MG/KG	30	0.37 U	0.36 U	0.28 J	0.40 U	0.42 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-01	SB-01	SB-01	SB-01	SB-01
Sample ID			SB-1 (2-4)	SB-1 (4-6)	SB-1 (6-8)	SB-1 (8-10)	SB-1 (10-12)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0	10.0-12.0
Date Sampled			05/15/13	05/15/13	05/15/13	05/15/13	05/15/13
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
Hexachlorobenzene	MG/KG	0.33	0.37 U	0.36 U	0.43 U	0.40 U	0.42 U
Hexachlorobutadiene	MG/KG	-	0.37 U	0.36 U	0.43 U	0.40 U	0.42 U
Hexachlorocyclopentadiene	MG/KG	10	0.37 UJ	0.36 UJ	0.43 UJ	0.40 UJ	0.42 UJ
Hexachloroethane	MG/KG	-	0.37 U	0.36 U	0.43 U	0.40 U	0.42 U
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	0.37 U	0.36 U	0.42 J	0.40 U	0.42 U
Isophorone	MG/KG	4.4	0.37 U	0.36 U	0.10 J	0.66	0.42 U
Naphthalene	MG/KG	12	0.37 U	0.36 U	0.66	0.15 J	0.42 U
Nitrobenzene	MG/KG	0.17	0.37 U	0.36 U	0.43 U	0.40 U	0.42 U
N-Nitroso-di-n-propylamine	MG/KG	-	0.37 U	0.36 U	0.43 U	0.40 U	0.42 U
N-Nitrosodiphenylamine	MG/KG	20	0.37 U	0.36 U	0.43 U	0.40 U	0.42 U
Pentachlorophenol	MG/KG	0.8	0.56 U	0.54 U	0.65 U	0.60 U	0.64 U
Phenanthrene	MG/KG	100	0.37 U	0.36 U	1.9	0.40 U	0.42 U
Phenol	MG/KG	0.33	0.22 U	0.22 U	0.57	0.24 U	0.25 U
Pyrene	MG/KG	100	0.37 U	0.36 U	2.7	0.40 U	0.42 U
Pesticide Organic Compounds							
4,4'-DDD	MG/KG	0.0033	0.0020 U	0.0020 U	0.046 J	0.0020 U	0.0020 U
4,4'-DDE	MG/KG	0.0033	0.0010 J	0.0089	2.4 D	0.019	0.0018 NJ
4,4'-DDT	MG/KG	0.0033	0.0015 J	0.0079	0.14 D	0.0020 U	0.0020 U
Aldrin	MG/KG	0.005	0.0030 U	0.0030 U	0.0030 U	0.0030 U	0.0030 U
alpha-BHC	MG/KG	0.02	0.0020 U	0.0020 U	0.0020 U	0.0020 U	R
alpha-Chlordane	MG/KG	0.094	0.0020 U	0.0020 U	0.12 D	0.0020 U	0.0020 U
beta-BHC	MG/KG	0.036	0.0020 U	0.0020 U	R	0.0020 U	R
delta-BHC	MG/KG	0.04	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Dieldrin	MG/KG	0.005	0.0030 U	0.0030 U	0.018 NJ	0.0030 U	0.0030 U
Dimethoate	MG/KG	-	0.037 U	0.036 U	0.043 U	0.039 U	0.042 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-01	SB-01	SB-01	SB-01	SB-01
Sample ID			SB-1 (2-4)	SB-1 (4-6)	SB-1 (6-8)	SB-1 (8-10)	SB-1 (10-12)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0	10.0-12.0
Date Sampled			05/15/13	05/15/13	05/15/13	05/15/13	05/15/13
Parameter	**Units**	**Criteria***					
Pesticide Organic Compounds							
Disulfoton	MG/KG	-	0.037 U	0.036 U	0.043 U	0.039 U	0.042 U
Endosulfan I	MG/KG	2.4	0.0020 U	0.0020 U	0.045 NJ	0.0014 NJ	0.0020 U
Endosulfan II	MG/KG	2.4	0.0040 U	0.0040 U	R	0.0040 U	0.0040 U
Endosulfan sulfate	MG/KG	2.4	0.0040 U	0.0040 U	R	0.0040 U	0.0040 U
Endrin	MG/KG	0.014	0.0040 U	0.0040 U	0.0029 NJ	0.0040 U	0.0040 U
Endrin aldehyde	MG/KG	-	0.0040 U	0.0040 U	0.0040 U	R	0.0040 U
Endrin ketone	MG/KG	-	0.0040 U	0.0040 U	0.0040 U	0.0037 NJ	0.0040 U
Famphur	MG/KG	-	0.037 U	0.036 U	0.043 U	0.039 U	0.042 U
gamma-BHC (Lindane)	MG/KG	0.1	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
gamma-Chlordane	MG/KG	0.54	0.0020 U	0.0020 U	0.078 DNJ	0.0020 U	R
Heptachlor	MG/KG	0.042	0.0020 U	0.0020 U	0.0012 NJ	0.0020 U	0.0020 U
Heptachlor epoxide	MG/KG	0.02	0.0020 U	0.0020 U	R	0.0020 U	0.0020 U
Methoxychlor	MG/KG	1.2	0.019 U	0.019 U	0.13	0.020 U	0.022 U
Methyl parathion	MG/KG	-	0.037 U	0.036 U	0.043 U	0.039 U	0.042 U
Parathion	MG/KG	1.2	0.037 U	0.036 U	0.043 U	0.039 U	0.042 U
Phorate	MG/KG	-	0.037 U	0.036 U	0.043 U	0.039 U	0.042 U
Thionazin	MG/KG	-	0.037 U	0.036 U	0.043 U	0.039 U	0.042 U
Toxaphene	MG/KG	-	0.19 U	0.19 U	0.22 U	0.20 U	0.22 U
Herbicides							
2,4,5-T	MG/KG	1.9	0.006 U	0.005 U	0.0058 J	0.006 U	0.006 U
2,4,5-TP (Silvex)	MG/KG	3.8	0.006 U	0.005 U	0.049	0.048	0.006 U
2,4-D	MG/KG	0.5	0.011 U	0.011 U	0.81 J	R	R
2,4-DB	MG/KG	-	0.011 U	0.011 U	0.013 U	0.012 U	0.013 U
Dicamba	MG/KG	-	0.003 U	0.003 U	0.16	0.022 J	0.021
Dinoseb	MG/KG	-	0.005 U	0.004 U	0.005 U	0.005 U	0.005 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.
U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-01	SB-01	SB-01	SB-01	SB-01
Sample ID			SB-1 (2-4)	SB-1 (4-6)	SB-1 (6-8)	SB-1 (8-10)	SB-1 (10-12)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0	10.0-12.0
Date Sampled			05/15/13	05/15/13	05/15/13	05/15/13	05/15/13
Parameter	**Units**	**Criteria***					
Herbicides							
Picrolam	MG/KG	-	0.011 U	0.011 U	0.013 UJ	0.012 U	0.013 UJ
Polychlorinated Biphenyls							
Aroclor 1016	MG/KG	-	0.037 U	0.036 U	0.043 U	0.039 U	0.042 U
Aroclor 1221	MG/KG	-	0.075 U	0.073 U	0.088 U	0.080 U	0.085 U
Aroclor 1232	MG/KG	-	0.037 U	0.036 U	0.043 U	0.039 U	0.042 U
Aroclor 1242	MG/KG	-	0.037 U	0.036 U	0.043 U	0.039 U	0.042 U
Aroclor 1248	MG/KG	-	0.037 U	0.036 U	0.043 U	0.039 U	0.042 U
Aroclor 1254	MG/KG	-	0.037 U	0.036 U	0.043 U	0.039 U	0.042 U
Aroclor 1260	MG/KG	-	0.037 U	0.036 U	0.043 U	0.039 U	0.042 U
Total Polychlorinated Biphenyls	MG/KG	0.1	ND	ND	ND	ND	ND
Metals							
Aluminum	MG/KG	10000	6,250	5,840	5,020	6,030	6,960
Antimony	MG/KG	12	0.49 U	0.17 U	2.5 U	0.14 U	0.15 U
Arsenic	MG/KG	13	2.2	1.1 J	5.8	2.5	1.9
Barium	MG/KG	350	29.8	18.1 J	120	47.1	31.9
Beryllium	MG/KG	7.2	0.20 J	0.18 J	0.29 J	0.29 J	0.35 J
Cadmium	MG/KG	2.5	0.011 U	0.011 U	0.013 U	0.012 U	0.013 U
Calcium	MG/KG	10000	1,090	777	13,000	7,050	1,540
Chromium	MG/KG	30	5.8	4.8	36.9	8.9	10.2
Cobalt	MG/KG	20	2.4 J	2.8 J	4.4 J	5.0 J	4.8 J
Copper	MG/KG	50	6.0	4.5	72.2	12.9	4.3
Iron	MG/KG	2000	6,650	6,390	41,700	9,570	10,600
Lead	MG/KG	63	45.0	11.6	660	31.0	10.3
Magnesium	MG/KG	-	904	1,100	4,440	1,560	1,440
Manganese	MG/KG	1600	143 J	65.1 J	305 J	67.2 J	56.7 J

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-01	SB-01	SB-01	SB-01	SB-01
Sample ID			SB-1 (2-4)	SB-1 (4-6)	SB-1 (6-8)	SB-1 (8-10)	SB-1 (10-12)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0	10.0-12.0
Date Sampled			05/15/13	05/15/13	05/15/13	05/15/13	05/15/13
Parameter	**Units**	**Criteria***					
Metals							
Mercury	MG/KG	0.18	0.097	0.026 J	0.022 U	0.28	0.021 U
Nickel	MG/KG	30	3.8 U	4.4	9.6	8.2	6.2
Potassium	MG/KG	-	14.3 J	108 J	291 J	326 J	220 J
Selenium	MG/KG	3.9	0.26 UJ	0.25 UJ	0.30 UJ	0.28 UJ	0.29 UJ
Silver	MG/KG	2	0.023 U	0.022 U	0.026 U	0.024 U	0.026 U
Sodium	MG/KG	-	142 U	138 U	415 J	152 U	161 U
Thallium	MG/KG	5	0.21 U	0.21 U	0.25 U	0.23 U	0.24 U
Vanadium	MG/KG	39	8.8	8.5	24.7	13.2	15.1
Zinc	MG/KG	109	41.6	22.2	5,250	59.9	23.3

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.
U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-01	SB-01	SB-01	SB-01	SB-01
Sample ID			SB-1 (12-14)	SB-1 (14-16)	SB-1 (16-18)	SB-1 (18-20)	SB-1 (20-22)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			12.0-14.0	14.0-16.0	16.0-18.0	18.0-20.0	20.0-22.0
Date Sampled			05/15/13	05/15/13	05/15/13	05/15/13	05/15/13
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
1,1,1-Trichloroethane	MG/KG	0.68	NA	0.013 UJ	0.011 UJ	0.011 UJ	0.011 UJ
1,1,2,2-Tetrachloroethane	MG/KG	0.6	NA	0.013 UJ	0.011 UJ	0.011 UJ	0.011 UJ
1,1,2-Trichloro-1,2,2-trifluoroethane	MG/KG	6	NA	0.013 UJ	0.011 UJ	0.011 UJ	0.011 UJ
1,1,2-Trichloroethane	MG/KG	-	NA	0.013 UJ	0.011 UJ	0.011 UJ	0.011 UJ
1,1-Dichloroethane	MG/KG	0.27	NA	0.013 UJ	0.011 UJ	0.011 UJ	0.011 UJ
1,1-Dichloroethene	MG/KG	0.33	NA	0.013 UJ	0.011 UJ	0.011 UJ	0.011 UJ
1,2,4-Trichlorobenzene	MG/KG	3.4	NA	0.013 UJ	0.011 UJ	0.011 UJ	0.011 UJ
1,2-Dibromo-3-chloropropane	MG/KG	-	NA	0.013 UJ	0.011 UJ	0.011 UJ	0.011 UJ
1,2-Dibromoethane (Ethylene dibromide)	MG/KG	-	NA	0.013 UJ	0.011 UJ	0.011 UJ	0.011 UJ
1,2-Dichlorobenzene	MG/KG	1.1	NA	0.013 UJ	0.011 UJ	0.011 UJ	0.011 UJ
1,2-Dichloroethane	MG/KG	0.02	NA	0.013 UJ	0.011 UJ	0.011 UJ	0.011 UJ
1,2-Dichloroethene (cis)	MG/KG	0.25	NA	0.013 UJ	0.011 UJ	0.011 UJ	0.011 UJ
1,2-Dichloroethene (trans)	MG/KG	0.19	NA	0.013 UJ	0.011 UJ	0.011 UJ	0.011 UJ
1,2-Dichloropropane	MG/KG	700	NA	0.013 UJ	0.011 UJ	0.011 UJ	0.011 UJ
1,3-Dichlorobenzene	MG/KG	2.4	NA	0.013 UJ	0.011 UJ	0.011 UJ	0.011 UJ
1,3-Dichloropropene (cis)	MG/KG	-	NA	0.013 UJ	0.011 UJ	0.011 UJ	0.011 UJ
1,3-Dichloropropene (trans)	MG/KG	-	NA	0.013 UJ	0.011 UJ	0.011 UJ	0.011 UJ
1,4-Dichlorobenzene	MG/KG	1.8	NA	0.013 UJ	0.011 UJ	0.011 UJ	0.011 UJ
2-Hexanone	MG/KG	-	NA	0.013 UJ	0.011 UJ	0.011 UJ	0.011 UJ
4-Methyl-2-pentanone	MG/KG	1	NA	0.013 UJ	0.011 UJ	0.011 UJ	0.011 UJ
Acetone	MG/KG	0.05	NA	0.012 J	0.013 J	0.011 UJ	0.011 UJ
Benzene	MG/KG	0.06	NA	0.013 UJ	0.011 UJ	0.011 UJ	0.011 UJ
Bromodichloromethane	MG/KG	-	NA	0.013 UJ	0.011 UJ	0.011 UJ	0.011 UJ
Bromoform	MG/KG	-	NA	0.013 UJ	0.011 UJ	0.011 UJ	0.011 UJ
Bromomethane	MG/KG	-	NA	0.013 UJ	0.011 UJ	0.011 UJ	0.011 UJ

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-01	SB-01	SB-01	SB-01	SB-01
Sample ID			SB-1 (12-14)	SB-1 (14-16)	SB-1 (16-18)	SB-1 (18-20)	SB-1 (20-22)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			12.0-14.0	14.0-16.0	16.0-18.0	18.0-20.0	20.0-22.0
Date Sampled			05/15/13	05/15/13	05/15/13	05/15/13	05/15/13
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
Carbon disulfide	MG/KG	2.7	NA	0.013 UJ	0.011 UJ	0.011 UJ	0.011 UJ
Carbon tetrachloride	MG/KG	0.76	NA	0.013 UJ	0.011 UJ	0.011 UJ	0.011 UJ
Chlorobenzene	MG/KG	1.1	NA	0.013 UJ	0.011 UJ	0.011 UJ	0.011 UJ
Chloroethane	MG/KG	1.9	NA	0.013 UJ	0.011 UJ	0.011 UJ	0.011 UJ
Chloroform	MG/KG	0.37	NA	0.013 UJ	0.011 UJ	0.011 UJ	0.011 UJ
Chloromethane	MG/KG	-	NA	0.013 UJ	0.011 UJ	0.011 UJ	0.011 UJ
Cyclohexane	MG/KG	-	NA	0.013 UJ	0.011 UJ	0.011 UJ	0.011 UJ
Dibromochloromethane	MG/KG	10	NA	0.013 UJ	0.011 UJ	0.011 UJ	0.011 UJ
Dichlorodifluoromethane	MG/KG	-	NA	0.013 UJ	0.011 UJ	0.011 UJ	0.011 UJ
Ethylbenzene	MG/KG	1	NA	0.013 UJ	0.011 UJ	0.011 UJ	0.011 UJ
Isopropylbenzene (Cumene)	MG/KG	2.3	NA	0.013 UJ	0.011 UJ	0.011 UJ	0.011 UJ
Methyl acetate	MG/KG	-	NA	0.013 UJ	0.011 UJ	0.011 UJ	0.011 UJ
Methyl ethyl ketone (2-Butanone)	MG/KG	0.12	NA	0.013 UJ	0.011 UJ	0.011 UJ	0.011 UJ
Methyl tert-butyl ether	MG/KG	0.93	NA	0.013 UJ	0.011 UJ	0.011 UJ	0.011 UJ
Methylcyclohexane	MG/KG	-	NA	0.013 UJ	0.011 UJ	0.011 UJ	0.011 UJ
Methylene chloride	MG/KG	0.05	NA	0.013 UJ	0.011 UJ	0.0030 J	0.0040 J
Styrene	MG/KG	300	NA	0.013 UJ	0.011 UJ	0.011 UJ	0.011 UJ
Tetrachloroethene	MG/KG	1.3	NA	0.013 UJ	0.011 UJ	0.011 UJ	0.011 UJ
Toluene	MG/KG	0.7	NA	0.013 UJ	0.011 UJ	0.011 UJ	0.011 UJ
Trichloroethene	MG/KG	0.47	NA	0.013 UJ	0.011 UJ	0.011 UJ	0.011 UJ
Trichlorofluoromethane	MG/KG	-	NA	0.013 UJ	0.011 UJ	0.011 UJ	0.011 UJ
Vinyl chloride	MG/KG	0.02	NA	0.013 UJ	0.0010 J	0.011 UJ	0.011 UJ
Xylene (total)	MG/KG	0.26	NA	0.013 UJ	0.0030 J	0.011 UJ	0.011 UJ
Semivolatile Organic Compounds							
1,1-Biphenyl	MG/KG	60	0.39 U	0.41 U	0.36 U	0.36 U	0.37 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.
U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-01	SB-01	SB-01	SB-01	SB-01
Sample ID			SB-1 (12-14)	SB-1 (14-16)	SB-1 (16-18)	SB-1 (18-20)	SB-1 (20-22)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			12.0-14.0	14.0-16.0	16.0-18.0	18.0-20.0	20.0-22.0
Date Sampled			05/15/13	05/15/13	05/15/13	05/15/13	05/15/13
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
2,2-oxybis(1-Chloropropane)	MG/KG	-	0.39 U	0.41 U	0.36 U	0.36 U	0.37 U
2,4,5-Trichlorophenol	MG/KG	0.1	0.99 U	1.0 U	0.90 U	0.90 U	0.92 U
2,4,6-Trichlorophenol	MG/KG	10	0.39 U	0.41 U	0.36 U	0.36 U	0.37 U
2,4-Dichlorophenol	MG/KG	0.4	0.39 U	0.32 J	0.45	0.17 J	0.099 J
2,4-Dimethylphenol	MG/KG	-	0.39 U	0.41 U	0.36 U	0.36 U	0.37 U
2,4-Dinitrophenol	MG/KG	0.2	0.99 U	1.0 U	0.90 U	0.90 U	0.92 U
2,4-Dinitrotoluene	MG/KG	-	0.39 U	0.41 U	0.36 U	0.36 U	0.37 U
2,6-Dinitrotoluene	MG/KG	0.17	0.39 U	0.41 U	0.36 U	0.36 U	0.37 U
2-Chloronaphthalene	MG/KG	-	0.39 U	0.41 U	0.36 U	0.36 U	0.37 U
2-Chlorophenol	MG/KG	0.8	0.39 U	0.41 U	0.36 U	0.36 U	0.37 U
2-Methylnaphthalene	MG/KG	0.41	0.39 U	0.41 U	0.36 U	0.36 U	0.37 U
2-Methylphenol (o-cresol)	MG/KG	0.33	0.24 U	0.25 U	0.22 U	0.22 U	0.22 U
2-Nitroaniline	MG/KG	0.4	0.99 U	1.0 U	0.90 U	0.90 U	0.92 U
2-Nitrophenol	MG/KG	0.3	0.39 U	0.41 U	0.36 U	0.36 U	0.37 U
3,3-Dichlorobenzidine	MG/KG	-	0.39 U	0.41 U	0.36 U	0.36 U	0.37 U
3-Nitroaniline	MG/KG	0.5	0.99 U	1.0 U	0.90 U	0.90 U	0.92 U
4,6-Dinitro-2-methylphenol	MG/KG	-	0.99 U	1.0 U	0.90 U	0.90 U	0.92 U
4-Bromophenyl-phenylether	MG/KG	-	0.39 U	0.41 U	0.36 U	0.36 U	0.37 U
4-Chloro-3-methylphenol	MG/KG	-	0.39 U	0.41 U	0.36 U	0.36 U	0.37 U
4-Chloroaniline	MG/KG	0.22	0.39 U	0.41 U	0.36 U	0.36 U	0.37 U
4-Chlorophenyl-phenylether	MG/KG	-	0.39 U	0.41 U	0.36 U	0.36 U	0.37 U
4-Methylphenol (p-cresol)	MG/KG	0.33	0.24 U	0.25 U	0.22 U	0.22 U	0.22 U
4-Nitroaniline	MG/KG	-	0.99 U	1.0 U	0.90 U	0.90 U	0.92 U
4-Nitrophenol	MG/KG	0.1	0.99 U	1.0 U	0.90 U	0.90 U	0.92 U
Acenaphthene	MG/KG	20	0.39 U	0.41 U	0.36 U	0.36 U	0.37 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-01	SB-01	SB-01	SB-01	SB-01
Sample ID			SB-1 (12-14)	SB-1 (14-16)	SB-1 (16-18)	SB-1 (18-20)	SB-1 (20-22)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			12.0-14.0	14.0-16.0	16.0-18.0	18.0-20.0	20.0-22.0
Date Sampled			05/15/13	05/15/13	05/15/13	05/15/13	05/15/13
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
Acenaphthylene	MG/KG	100	0.39 U	0.41 U	0.36 U	0.36 U	0.37 U
Acetophenone	MG/KG	-	0.39 UJ	0.41 UJ	0.36 UJ	0.36 UJ	0.37 UJ
Anthracene	MG/KG	100	0.39 U	0.41 U	0.36 U	0.36 U	0.37 U
Atrazine	MG/KG	-	0.39 U	0.41 U	0.36 U	0.36 U	0.37 U
Benzaldehyde	MG/KG	-	0.39 UJ	0.41 UJ	0.36 UJ	0.36 UJ	0.37 UJ
Benzo(a)anthracene	MG/KG	1	0.39 U	0.41 U	0.36 U	0.36 U	0.37 U
Benzo(a)pyrene	MG/KG	1	0.39 U	0.41 U	0.36 U	0.36 U	0.37 U
Benzo(b)fluoranthene	MG/KG	1	0.39 U	0.41 U	0.36 U	0.36 U	0.37 U
Benzo(g,h,i)perylene	MG/KG	100	0.39 U	0.41 U	0.36 U	0.36 U	0.37 U
Benzo(k)fluoranthene	MG/KG	0.8	0.39 U	0.41 U	0.36 U	0.36 U	0.37 U
bis(2-Chloroethoxy)methane	MG/KG	-	0.39 U	0.41 U	0.36 U	0.36 U	0.37 U
bis(2-Chloroethyl)ether	MG/KG	-	0.39 U	0.41 U	0.36 U	0.36 U	0.37 U
bis(2-Ethylhexyl)phthalate	MG/KG	50	0.39 U	0.41 U	0.36 U	0.36 U	0.37 U
Butylbenzylphthalate	MG/KG	100	0.39 U	0.41 U	0.36 U	0.36 U	0.37 U
Caprolactam	MG/KG	-	0.39 U	0.41 U	0.36 U	0.36 U	0.37 U
Carbazole	MG/KG	-	0.39 U	0.41 U	0.36 U	0.36 U	0.37 U
Chrysene	MG/KG	1	0.39 U	0.41 U	0.36 U	0.36 U	0.37 U
Dibenz(a,h)anthracene	MG/KG	0.33	0.24 U	0.25 U	0.22 U	0.22 U	0.22 U
Dibenzofuran	MG/KG	7	0.39 U	0.41 U	0.36 U	0.36 U	0.37 U
Diethylphthalate	MG/KG	7.1	0.39 U	0.41 U	0.36 U	0.36 U	0.37 U
Dimethylphthalate	MG/KG	27	0.39 U	0.41 U	0.36 U	0.36 U	0.37 U
Di-n-butylphthalate	MG/KG	0.014	0.39 U	0.41 U	0.36 U	0.36 U	0.37 U
Di-n-octylphthalate	MG/KG	100	0.39 U	0.41 U	0.36 U	0.36 U	0.37 U
Fluoranthene	MG/KG	100	0.39 U	0.41 U	0.36 U	0.36 U	0.37 U
Fluorene	MG/KG	30	0.39 U	0.41 U	0.36 U	0.36 U	0.37 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-01	SB-01	SB-01	SB-01	SB-01
Sample ID			SB-1 (12-14)	SB-1 (14-16)	SB-1 (16-18)	SB-1 (18-20)	SB-1 (20-22)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			12.0-14.0	14.0-16.0	16.0-18.0	18.0-20.0	20.0-22.0
Date Sampled			05/15/13	05/15/13	05/15/13	05/15/13	05/15/13
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
Hexachlorobenzene	MG/KG	0.33	0.39 U	0.41 U	0.36 U	0.36 U	0.37 U
Hexachlorobutadiene	MG/KG	-	0.39 U	0.41 U	0.36 U	0.36 U	0.37 U
Hexachlorocyclopentadiene	MG/KG	10	0.39 UJ	0.41 UJ	0.36 UJ	0.36 UJ	0.37 UJ
Hexachloroethane	MG/KG	-	0.39 U	0.41 U	0.36 U	0.36 U	0.37 U
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	0.39 U	0.41 U	0.36 U	0.36 U	0.37 U
Isophorone	MG/KG	4.4	0.39 U	0.41 U	0.19 J	0.36 U	0.14 J
Naphthalene	MG/KG	12	0.39 U	0.41 U	0.087 J	0.36 U	0.37 U
Nitrobenzene	MG/KG	0.17	0.39 U	0.41 U	0.36 U	0.36 U	0.37 U
N-Nitroso-di-n-propylamine	MG/KG	-	0.39 U	0.41 U	0.36 U	0.36 U	0.37 U
N-Nitrosodiphenylamine	MG/KG	20	0.39 U	0.41 U	0.36 U	0.36 U	0.37 U
Pentachlorophenol	MG/KG	0.8	0.60 U	0.62 U	0.54 U	0.54 U	0.55 U
Phenanthrene	MG/KG	100	0.39 U	0.41 U	0.36 U	0.36 U	0.37 U
Phenol	MG/KG	0.33	0.24 U	0.25 U	0.22 U	0.22 U	0.22 U
Pyrene	MG/KG	100	0.39 U	0.41 U	0.36 U	0.36 U	0.37 U
Pesticide Organic Compounds							
4,4'-DDD	MG/KG	0.0033	0.0020 U	0.0020 U	0.0020 U	0.0022 NJ	0.0020 U
4,4'-DDE	MG/KG	0.0033	0.014	0.0020 U	0.0023 J	0.056	0.0095
4,4'-DDT	MG/KG	0.0033	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Aldrin	MG/KG	0.005	0.0030 U	0.0030 U	0.0030 U	0.0030 U	0.0030 U
alpha-BHC	MG/KG	0.02	0.0020 U	0.0020 U	0.0020 U	0.0022 NJ	0.0020 U
alpha-Chlordane	MG/KG	0.094	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
beta-BHC	MG/KG	0.036	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
delta-BHC	MG/KG	0.04	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Dieldrin	MG/KG	0.005	0.0030 U	0.0030 U	0.0030 U	0.0020 J	0.0030 U
Dimethoate	MG/KG	-	0.039 U	0.041 U	0.036 U	0.036 U	0.037 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-01	SB-01	SB-01	SB-01	SB-01
Sample ID			SB-1 (12-14)	SB-1 (14-16)	SB-1 (16-18)	SB-1 (18-20)	SB-1 (20-22)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			12.0-14.0	14.0-16.0	16.0-18.0	18.0-20.0	20.0-22.0
Date Sampled			05/15/13	05/15/13	05/15/13	05/15/13	05/15/13
Parameter	**Units**	**Criteria***					
Pesticide Organic Compounds							
Disulfoton	MG/KG	-	0.039 U	0.041 U	0.036 U	0.036 U	0.037 U
Endosulfan I	MG/KG	2.4	0.0020 U	0.0020 U	0.0020 U	0.0028 NJ	0.0020 U
Endosulfan II	MG/KG	2.4	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endosulfan sulfate	MG/KG	2.4	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endrin	MG/KG	0.014	0.0040 U	0.0040 U	0.0040 U	0.0052 NJ	0.0040 U
Endrin aldehyde	MG/KG	-	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endrin ketone	MG/KG	-	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Famphur	MG/KG	-	0.039 U	0.041 U	0.036 U	0.036 U	0.037 U
gamma-BHC (Lindane)	MG/KG	0.1	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
gamma-Chlordane	MG/KG	0.54	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Heptachlor	MG/KG	0.042	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Heptachlor epoxide	MG/KG	0.02	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Methoxychlor	MG/KG	1.2	0.020 U	0.021 U	0.018 U	0.018 U	0.019 U
Methyl parathion	MG/KG	-	0.039 U	0.041 U	0.036 U	0.036 U	0.037 U
Parathion	MG/KG	1.2	0.039 U	0.041 U	0.036 U	0.036 U	0.037 U
Phorate	MG/KG	-	0.039 U	0.041 U	0.036 U	0.036 U	0.037 U
Thionazin	MG/KG	-	0.039 U	0.041 U	0.036 U	0.036 U	0.037 U
Toxaphene	MG/KG	-	0.20 U	0.21 U	0.18 U	0.18 U	0.19 U
Herbicides							
2,4,5-T	MG/KG	1.9	0.006 U	0.006 U	0.005 U	0.005 U	0.006 U
2,4,5-TP (Silvex)	MG/KG	3.8	0.006 U	0.079	0.053	0.11	0.023 J
2,4-D	MG/KG	0.5	R	R	0.41	0.1 J	0.15 J
2,4-DB	MG/KG	-	0.012 U	0.012 U	0.011 U	0.011 U	0.011 U
Dicamba	MG/KG	-	0.0066 U	0.0061 U	0.0064 U	0.021	0.022
Dinoseb	MG/KG	-	0.005 U	0.005 U	0.004 U	0.004 U	0.004 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-01	SB-01	SB-01	SB-01	SB-01
Sample ID			SB-1 (12-14)	SB-1 (14-16)	SB-1 (16-18)	SB-1 (18-20)	SB-1 (20-22)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			12.0-14.0	14.0-16.0	16.0-18.0	18.0-20.0	20.0-22.0
Date Sampled			05/15/13	05/15/13	05/15/13	05/15/13	05/15/13
Parameter	**Units**	**Criteria***					
Herbicides							
Picrolam	MG/KG	-	0.012 U	0.012 U	0.011 U	0.011 U	0.011 U
Polychlorinated Biphenyls							
Aroclor 1016	MG/KG	-	0.039 U	0.041 U	0.036 U	0.036 U	0.037 U
Aroclor 1221	MG/KG	-	0.080 U	0.084 U	0.072 U	0.073 U	0.074 U
Aroclor 1232	MG/KG	-	0.039 U	0.041 U	0.036 U	0.036 U	0.037 U
Aroclor 1242	MG/KG	-	0.039 U	0.041 U	0.036 U	0.036 U	0.037 U
Aroclor 1248	MG/KG	-	0.039 U	0.041 U	0.036 U	0.036 U	0.037 U
Aroclor 1254	MG/KG	-	0.039 U	0.041 U	0.036 U	0.036 U	0.037 U
Aroclor 1260	MG/KG	-	0.039 U	0.041 U	0.036 U	0.036 U	0.037 U
Total Polychlorinated Biphenyls	MG/KG	0.1	ND	ND	ND	ND	ND
Metals							
Aluminum	MG/KG	10000	NA	10,100	3,700	9,530	9,660
Antimony	MG/KG	12	NA	0.15 U	0.55 U	0.64 J	0.76 J
Arsenic	MG/KG	13	NA	2.6	4.2	7.7	6.0
Barium	MG/KG	350	NA	119	42.4	56.4	53.7
Beryllium	MG/KG	7.2	NA	0.57 J	0.20 J	0.54 J	0.52 J
Cadmium	MG/KG	2.5	NA	0.013 U	0.011 U	2.4	2.3
Calcium	MG/KG	10000	NA	10,500	64,300	19,800	17,600
Chromium	MG/KG	30	NA	16.1	8.8	24.7	23.6
Cobalt	MG/KG	20	NA	9.9	6.8	11.9	10.2
Copper	MG/KG	50	NA	9.6	10.4	27.7 J	27.5 J
Iron	MG/KG	2000	NA	19,700	11,400	0.20 U	0.20 U
Lead	MG/KG	63	NA	0.52	2.4	17.3	14.6
Magnesium	MG/KG	-	NA	6,320	25,800	9,270	8,740
Manganese	MG/KG	1600	NA	273 J	240 J	385	375

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-01	SB-01	SB-01	SB-01	SB-01
Sample ID			SB-1 (12-14)	SB-1 (14-16)	SB-1 (16-18)	SB-1 (18-20)	SB-1 (20-22)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			12.0-14.0	14.0-16.0	16.0-18.0	18.0-20.0	20.0-22.0
Date Sampled			05/15/13	05/15/13	05/15/13	05/15/13	05/15/13
Parameter	**Units**	**Criteria***					
Metals							
Mercury	MG/KG	0.18	NA	0.021 U	0.018 U	0.018 U	0.019 U
Nickel	MG/KG	30	NA	11.1	11.4	27.7	22.9
Potassium	MG/KG	-	NA	1,300	773	1,810 J	1,600 J
Selenium	MG/KG	3.9	NA	0.29 UJ	0.25 UJ	0.25 UJ	0.26 UJ
Silver	MG/KG	2	NA	0.025 U	0.022 U	0.022 U	0.022 U
Sodium	MG/KG	-	NA	499 J	137 U	84.7 U	79.0 U
Thallium	MG/KG	5	NA	0.24 U	0.21 J	0.33 J	0.75 J
Vanadium	MG/KG	39	NA	32.8	10.9	19.8	18.8
Zinc	MG/KG	109	NA	52.3	32.8	69.3	70.9

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.
U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-01	SB-02	SB-02	SB-02	SB-02
Sample ID			SB-1 (0-0.5)	SB-2 (0-2)	SB-2 (2-4)	SB-2 (4-6)	SB-2 (6-8)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			0.0-0.5	0.0-2.0	2.0-4.0	4.0-6.0	6.0-8.0
Date Sampled			05/22/13	05/15/13	05/15/13	05/15/13	05/15/13
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
1,1,1-Trichloroethane	MG/KG	0.68	0.011 U	0.010 UJ	0.012 UJ	0.011 UJ	0.013 UJ
1,1,2,2-Tetrachloroethane	MG/KG	0.6	0.011 U	0.010 UJ	0.012 UJ	0.011 UJ	0.013 UJ
1,1,2-Trichloro-1,2,2-trifluoroethane	MG/KG	6	0.011 U	0.010 UJ	0.012 UJ	0.011 UJ	0.013 UJ
1,1,2-Trichloroethane	MG/KG	-	0.011 U	0.010 UJ	0.012 UJ	0.011 UJ	0.013 UJ
1,1-Dichloroethane	MG/KG	0.27	0.011 U	0.010 UJ	0.012 UJ	0.011 UJ	0.013 UJ
1,1-Dichloroethene	MG/KG	0.33	0.011 U	0.010 UJ	0.012 UJ	0.011 UJ	0.013 UJ
1,2,4-Trichlorobenzene	MG/KG	3.4	0.011 U	0.010 UJ	0.012 UJ	0.011 UJ	0.013 UJ
1,2-Dibromo-3-chloropropane	MG/KG	-	0.011 U	0.010 UJ	0.012 UJ	0.011 UJ	0.013 UJ
1,2-Dibromoethane (Ethylene dibromide)	MG/KG	-	0.011 U	0.010 UJ	0.012 UJ	0.011 UJ	0.013 UJ
1,2-Dichlorobenzene	MG/KG	1.1	0.011 U	0.010 UJ	0.012 UJ	0.011 UJ	0.013 UJ
1,2-Dichloroethane	MG/KG	0.02	0.011 U	0.010 UJ	0.012 UJ	0.011 UJ	0.013 UJ
1,2-Dichloroethene (cis)	MG/KG	0.25	0.011 U	0.010 UJ	0.012 UJ	0.011 UJ	0.013 UJ
1,2-Dichloroethene (trans)	MG/KG	0.19	0.011 U	0.010 UJ	0.012 UJ	0.011 UJ	0.013 UJ
1,2-Dichloropropane	MG/KG	700	0.011 U	0.010 UJ	0.012 UJ	0.011 UJ	0.013 UJ
1,3-Dichlorobenzene	MG/KG	2.4	0.011 U	0.010 UJ	0.012 UJ	0.011 UJ	0.013 UJ
1,3-Dichloropropene (cis)	MG/KG	-	0.011 U	0.010 UJ	0.012 UJ	0.011 UJ	0.013 UJ
1,3-Dichloropropene (trans)	MG/KG	-	0.011 U	0.010 UJ	0.012 UJ	0.011 UJ	0.013 UJ
1,4-Dichlorobenzene	MG/KG	1.8	0.011 U	0.010 UJ	0.012 UJ	0.011 UJ	0.013 UJ
2-Hexanone	MG/KG	-	0.011 U	0.010 UJ	0.012 UJ	0.011 UJ	0.013 UJ
4-Methyl-2-pentanone	MG/KG	1	0.011 U	0.010 UJ	0.012 UJ	0.011 UJ	0.013 UJ
Acetone	MG/KG	0.05	0.011 U	0.010 UJ	0.012 UJ	0.011 UJ	0.17 J
Benzene	MG/KG	0.06	0.011 U	0.010 UJ	0.012 UJ	0.011 UJ	0.013 UJ
Bromodichloromethane	MG/KG	-	0.011 U	0.010 UJ	0.012 UJ	0.011 UJ	0.013 UJ
Bromoform	MG/KG	-	0.011 UJ	0.010 UJ	0.012 UJ	0.011 UJ	0.013 UJ
Bromomethane	MG/KG	-	0.011 UJ	0.010 UJ	0.012 UJ	0.011 UJ	0.013 UJ

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-01	SB-02	SB-02	SB-02	SB-02
Sample ID			SB-1 (0-0.5)	SB-2 (0-2)	SB-2 (2-4)	SB-2 (4-6)	SB-2 (6-8)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			0.0-0.5	0.0-2.0	2.0-4.0	4.0-6.0	6.0-8.0
Date Sampled			05/22/13	05/15/13	05/15/13	05/15/13	05/15/13
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
Carbon disulfide	MG/KG	2.7	0.011 U	0.010 UJ	0.012 UJ	0.011 UJ	0.013 UJ
Carbon tetrachloride	MG/KG	0.76	0.011 U	0.010 UJ	0.012 UJ	0.011 UJ	0.013 UJ
Chlorobenzene	MG/KG	1.1	0.011 U	0.010 UJ	0.012 UJ	0.011 UJ	0.013 UJ
Chloroethane	MG/KG	1.9	0.011 U	0.010 UJ	0.012 UJ	0.011 UJ	0.013 UJ
Chloroform	MG/KG	0.37	0.011 U	0.010 UJ	0.012 UJ	0.011 UJ	0.013 UJ
Chloromethane	MG/KG	-	0.011 U	0.010 UJ	0.012 UJ	0.011 UJ	0.013 UJ
Cyclohexane	MG/KG	-	0.011 U	0.010 UJ	0.012 UJ	0.011 UJ	0.013 UJ
Dibromochloromethane	MG/KG	10	0.011 U	0.010 UJ	0.012 UJ	0.011 UJ	0.013 UJ
Dichlorodifluoromethane	MG/KG	-	0.011 U	0.010 UJ	0.012 UJ	0.011 UJ	0.013 UJ
Ethylbenzene	MG/KG	1	0.011 U	0.010 UJ	0.012 UJ	0.011 UJ	0.013 UJ
Isopropylbenzene (Cumene)	MG/KG	2.3	0.011 U	0.010 UJ	0.012 UJ	0.011 UJ	0.013 UJ
Methyl acetate	MG/KG	-	0.011 U	0.010 UJ	0.012 UJ	0.011 UJ	0.013 UJ
Methyl ethyl ketone (2-Butanone)	MG/KG	0.12	0.011 U	0.010 UJ	0.012 UJ	0.011 UJ	0.041 J
Methyl tert-butyl ether	MG/KG	0.93	0.011 U	0.010 UJ	0.012 UJ	0.011 UJ	0.013 UJ
Methylcyclohexane	MG/KG	-	0.011 U	0.010 UJ	0.012 UJ	0.011 UJ	0.013 UJ
Methylene chloride	MG/KG	0.05	0.011 U	0.0020 J	0.0040 J	0.011 UJ	0.013 UJ
Styrene	MG/KG	300	0.011 U	0.010 UJ	0.012 UJ	0.011 UJ	0.013 UJ
Tetrachloroethene	MG/KG	1.3	0.011 U	0.010 UJ	0.012 UJ	0.011 UJ	0.013 UJ
Toluene	MG/KG	0.7	0.011 U	0.010 UJ	0.012 UJ	0.011 UJ	0.0010 J
Trichloroethene	MG/KG	0.47	0.011 U	0.010 UJ	0.012 UJ	0.011 UJ	0.013 UJ
Trichlorofluoromethane	MG/KG	-	0.011 U	0.010 UJ	0.012 UJ	0.011 UJ	0.013 UJ
Vinyl chloride	MG/KG	0.02	0.011 U	0.010 UJ	0.012 UJ	0.011 UJ	0.013 UJ
Xylene (total)	MG/KG	0.26	0.011 U	0.010 UJ	0.012 UJ	0.011 UJ	0.013 UJ
Semivolatile Organic Compounds							
1,1-Biphenyl	MG/KG	60	0.37 U	0.34 U	0.38 U	0.37 U	0.43 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-01	SB-02	SB-02	SB-02	SB-02
Sample ID			SB-1 (0-0.5)	SB-2 (0-2)	SB-2 (2-4)	SB-2 (4-6)	SB-2 (6-8)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			0.0-0.5	0.0-2.0	2.0-4.0	4.0-6.0	6.0-8.0
Date Sampled			05/22/13	05/15/13	05/15/13	05/15/13	05/15/13
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
2,2-oxybis(1-Chloropropane)	MG/KG	-	0.37 UJ	0.34 UJ	0.38 UJ	0.37 U	0.43 U
2,4,5-Trichlorophenol	MG/KG	0.1	0.92 U	0.86 U	0.96 U	0.92 U	1.1 U
2,4,6-Trichlorophenol	MG/KG	10	0.37 U	0.34 U	0.38 U	0.37 U	0.43 U
2,4-Dichlorophenol	MG/KG	0.4	0.37 U	0.34 U	0.38 U	0.37 U	0.43 U
2,4-Dimethylphenol	MG/KG	-	0.37 U	0.34 U	0.38 U	0.37 U	0.43 U
2,4-Dinitrophenol	MG/KG	0.2	0.92 U	0.86 U	0.96 U	0.92 U	1.1 U
2,4-Dinitrotoluene	MG/KG	-	0.37 U	0.34 U	0.38 U	0.37 U	0.43 U
2,6-Dinitrotoluene	MG/KG	0.17	0.37 U	0.34 U	0.38 U	0.37 U	0.43 U
2-Chloronaphthalene	MG/KG	-	0.37 U	0.34 U	0.38 U	0.37 U	0.43 U
2-Chlorophenol	MG/KG	0.8	0.37 U	0.34 U	0.38 U	0.37 U	0.43 U
2-Methylnaphthalene	MG/KG	0.41	0.37 U	0.34 U	0.38 U	0.37 U	0.43 U
2-Methylphenol (o-cresol)	MG/KG	0.33	0.22 U	0.21 U	0.23 U	0.22 U	0.26 U
2-Nitroaniline	MG/KG	0.4	0.92 U	0.86 U	0.96 U	0.92 U	1.1 U
2-Nitrophenol	MG/KG	0.3	0.37 U	0.34 U	0.38 U	0.37 U	0.43 U
3,3-Dichlorobenzidine	MG/KG	-	0.37 U	0.34 U	0.38 U	0.37 U	0.43 U
3-Nitroaniline	MG/KG	0.5	0.92 U	0.86 U	0.96 U	0.92 U	1.1 U
4,6-Dinitro-2-methylphenol	MG/KG	-	0.92 U	0.86 U	0.96 U	0.92 U	1.1 U
4-Bromophenyl-phenylether	MG/KG	-	0.37 U	0.34 U	0.38 U	0.37 U	0.43 U
4-Chloro-3-methylphenol	MG/KG	-	0.37 U	0.34 U	0.38 U	0.37 U	0.43 U
4-Chloroaniline	MG/KG	0.22	0.37 U	0.34 U	0.38 U	0.37 U	0.43 U
4-Chlorophenyl-phenylether	MG/KG	-	0.37 U	0.34 U	0.38 U	0.37 U	0.43 U
4-Methylphenol (p-cresol)	MG/KG	0.33	0.22 U	0.21 U	0.23 U	0.22 U	0.26 U
4-Nitroaniline	MG/KG	-	0.92 U	0.86 U	0.96 U	0.92 U	1.1 U
4-Nitrophenol	MG/KG	0.1	0.92 U	0.86 U	0.96 U	0.92 U	1.1 U
Acenaphthene	MG/KG	20	0.37 U	0.34 U	0.38 U	0.37 U	0.43 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-01	SB-02	SB-02	SB-02	SB-02
Sample ID			SB-1 (0-0.5)	SB-2 (0-2)	SB-2 (2-4)	SB-2 (4-6)	SB-2 (6-8)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			0.0-0.5	0.0-2.0	2.0-4.0	4.0-6.0	6.0-8.0
Date Sampled			05/22/13	05/15/13	05/15/13	05/15/13	05/15/13
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
Acenaphthylene	MG/KG	100	0.37 U	0.34 U	0.38 U	0.37 U	0.43 U
Acetophenone	MG/KG	-	0.37 UJ	0.34 UJ	0.38 UJ	0.37 UJ	0.43 UJ
Anthracene	MG/KG	100	0.37 U	0.34 U	0.38 U	0.37 U	0.43 U
Atrazine	MG/KG	-	0.37 U	0.34 U	0.38 U	0.37 U	0.43 U
Benzaldehyde	MG/KG	-	0.37 UJ	0.34 UJ	0.38 UJ	0.37 UJ	0.095 J
Benzo(a)anthracene	MG/KG	1	0.084 J	0.34 U	0.38 U	0.37 U	0.12 J
Benzo(a)pyrene	MG/KG	1	0.12 J	0.34 U	0.38 U	0.37 U	0.12 J
Benzo(b)fluoranthene	MG/KG	1	0.24 J	0.34 U	0.38 U	0.37 U	0.21 J
Benzo(g,h,i)perylene	MG/KG	100	0.075 J	0.34 U	0.38 U	0.37 U	0.43 U
Benzo(k)fluoranthene	MG/KG	0.8	0.078 J	0.34 U	0.38 U	0.37 U	0.43 U
bis(2-Chloroethoxy)methane	MG/KG	-	0.37 U	0.34 U	0.38 U	0.37 U	0.43 U
bis(2-Chloroethyl)ether	MG/KG	-	0.37 U	0.34 U	0.38 U	0.37 U	0.43 U
bis(2-Ethylhexyl)phthalate	MG/KG	50	0.37 U	0.34 U	0.38 U	0.37 U	0.43 U
Butylbenzylphthalate	MG/KG	100	0.37 U	0.34 U	0.38 U	0.37 U	0.43 U
Caprolactam	MG/KG	-	0.37 U	0.34 U	0.38 U	0.37 U	0.43 U
Carbazole	MG/KG	-	0.37 U	0.34 U	0.38 U	0.37 U	0.18 J
Chrysene	MG/KG	1	0.094 J	0.34 U	0.38 U	0.37 U	0.16 J
Dibenz(a,h)anthracene	MG/KG	0.33	0.22 U	0.21 U	0.23 U	0.22 U	0.26 U
Dibenzofuran	MG/KG	7	0.37 U	0.34 U	0.38 U	0.37 U	0.43 U
Diethylphthalate	MG/KG	7.1	0.37 U	0.34 U	0.38 U	0.37 U	0.43 U
Dimethylphthalate	MG/KG	27	0.37 U	0.34 U	0.38 U	0.37 U	0.43 U
Di-n-butylphthalate	MG/KG	0.014	0.37 U	0.34 U	0.38 U	0.37 U	0.43 U
Di-n-octylphthalate	MG/KG	100	0.37 U	0.34 U	0.38 U	0.37 U	0.43 U
Fluoranthene	MG/KG	100	0.094 J	0.34 U	0.38 U	0.37 U	0.27 J
Fluorene	MG/KG	30	0.37 U	0.34 U	0.38 U	0.37 U	0.43 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-01	SB-02	SB-02	SB-02	SB-02
Sample ID			SB-1 (0-0.5)	SB-2 (0-2)	SB-2 (2-4)	SB-2 (4-6)	SB-2 (6-8)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			0.0-0.5	0.0-2.0	2.0-4.0	4.0-6.0	6.0-8.0
Date Sampled			05/22/13	05/15/13	05/15/13	05/15/13	05/15/13
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
Hexachlorobenzene	MG/KG	0.33	0.37 U	0.34 U	0.38 U	0.37 U	0.43 U
Hexachlorobutadiene	MG/KG	-	0.37 U	0.34 U	0.38 U	0.37 U	0.43 U
Hexachlorocyclopentadiene	MG/KG	10	0.37 UJ	0.34 UJ	0.38 UJ	0.37 UJ	0.43 UJ
Hexachloroethane	MG/KG	-	0.37 U	0.34 U	0.38 U	0.37 U	0.43 U
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	0.37 U	0.34 U	0.38 U	0.37 U	0.43 U
Isophorone	MG/KG	4.4	0.37 U	0.34 U	0.38 U	0.37 U	0.43 U
Naphthalene	MG/KG	12	0.37 U	0.34 U	0.38 U	0.37 U	0.43 U
Nitrobenzene	MG/KG	0.17	0.37 U	0.34 U	0.38 U	0.37 U	0.43 U
N-Nitroso-di-n-propylamine	MG/KG	-	0.37 U	0.34 U	0.38 U	0.37 U	0.43 U
N-Nitrosodiphenylamine	MG/KG	20	0.37 U	0.34 U	0.38 U	0.37 U	0.43 U
Pentachlorophenol	MG/KG	0.8	0.56 U	0.52 U	0.58 U	0.55 U	0.65 U
Phenanthrene	MG/KG	100	0.37 U	0.34 U	0.38 U	0.37 U	0.18 J
Phenol	MG/KG	0.33	0.22 U	0.21 U	0.23 U	0.22 U	0.26 U
Pyrene	MG/KG	100	0.13 J	0.34 U	0.38 U	0.37 U	0.24 J
Pesticide Organic Compounds							
4,4'-DDD	MG/KG	0.0033	0.0020 U	0.0020 U	0.0057 NJ	0.0039 NJ	0.0096
4,4'-DDE	MG/KG	0.0033	0.0020 U	0.0020 U	0.0095	0.0034 J	0.0096
4,4'-DDT	MG/KG	0.0033	0.0020	0.0020 U	0.073 D	0.0014 J	0.0014 NJ
Aldrin	MG/KG	0.005	0.0030 U	0.0030 U	0.0030 U	0.0030 U	0.0030 U
alpha-BHC	MG/KG	0.02	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
alpha-Chlordane	MG/KG	0.094	0.0020 U	0.0020 U	0.0023	0.0025 J	0.0082
beta-BHC	MG/KG	0.036	0.0027 J	0.0020 U	0.0020 U	0.0020 U	0.0020 U
delta-BHC	MG/KG	0.04	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Dieldrin	MG/KG	0.005	0.0030 U	0.0030 U	0.0030 U	0.0028	0.0028 NJ
Dimethoate	MG/KG	-	0.036 U	0.034 U	0.038 U	0.037 U	0.043 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-01	SB-02	SB-02	SB-02	SB-02
Sample ID			SB-1 (0-0.5)	SB-2 (0-2)	SB-2 (2-4)	SB-2 (4-6)	SB-2 (6-8)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			0.0-0.5	0.0-2.0	2.0-4.0	4.0-6.0	6.0-8.0
Date Sampled			05/22/13	05/15/13	05/15/13	05/15/13	05/15/13
Parameter	**Units**	**Criteria***					
Pesticide Organic Compounds							
Disulfoton	MG/KG	-	0.036 U	0.034 U	0.038 U	0.037 U	0.043 U
Endosulfan I	MG/KG	2.4	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Endosulfan II	MG/KG	2.4	0.0040 U	0.0030 U	0.0040 U	0.0040 U	0.0040 U
Endosulfan sulfate	MG/KG	2.4	0.0040 U	0.0030 U	0.0040 U	0.0040 U	0.0040 U
Endrin	MG/KG	0.014	0.0040 U	0.0030 U	0.0040 U	0.0040 U	0.0040 U
Endrin aldehyde	MG/KG	-	0.0040 U	0.0030 U	0.0040 U	0.0040 U	0.0040 U
Endrin ketone	MG/KG	-	0.0040 U	0.0030 U	0.0040 U	0.0040 U	0.0040 U
Famphur	MG/KG	-	0.036 U	0.034 U	0.038 U	0.037 U	0.043 U
gamma-BHC (Lindane)	MG/KG	0.1	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
gamma-Chlordane	MG/KG	0.54	0.0020 U	0.0020 U	0.0029	R	R
Heptachlor	MG/KG	0.042	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Heptachlor epoxide	MG/KG	0.02	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Methoxychlor	MG/KG	1.2	0.019 U	0.018 U	0.020 U	0.019 U	0.022 U
Methyl parathion	MG/KG	-	0.036 U	0.034 U	0.038 U	0.037 U	0.043 U
Parathion	MG/KG	1.2	0.036 U	0.034 U	0.038 U	0.037 U	0.043 U
Phorate	MG/KG	-	0.036 U	0.034 U	0.038 U	0.037 U	0.043 U
Thionazin	MG/KG	-	0.036 U	0.034 U	0.038 U	0.037 U	0.043 U
Toxaphene	MG/KG	-	0.19 U	0.18 U	0.20 U	0.19 U	0.22 U
Herbicides							
2,4,5-T	MG/KG	1.9	0.006 U	0.005 U	0.006 U	0.006 U	0.0052 J
2,4,5-TP (Silvex)	MG/KG	3.8	0.006 U	0.005 U	0.006 U	0.006 U	0.006 U
2,4-D	MG/KG	0.5	0.011 U	0.01 U	R	0.011 U	0.026
2,4-DB	MG/KG	-	R	0.021	0.012 U	0.011 U	0.013 U
Dicamba	MG/KG	-	0.003 U	0.003 U	0.003 U	0.003 U	0.004 U
Dinoseb	MG/KG	-	0.004 U	0.004 U	0.005 U	0.004 U	0.005 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.
U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-01	SB-02	SB-02	SB-02	SB-02
Sample ID			SB-1 (0-0.5)	SB-2 (0-2)	SB-2 (2-4)	SB-2 (4-6)	SB-2 (6-8)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			0.0-0.5	0.0-2.0	2.0-4.0	4.0-6.0	6.0-8.0
Date Sampled			05/22/13	05/15/13	05/15/13	05/15/13	05/15/13
Parameter	**Units**	**Criteria***					
Herbicides							
Picrolam	MG/KG	-	0.011 UJ	0.01 U	0.012 U	0.011 UJ	0.013 UJ
Polychlorinated Biphenyls							
Aroclor 1016	MG/KG	-	0.037 U	0.034 U	0.038 U	0.037 U	0.043 U
Aroclor 1221	MG/KG	-	0.075 U	0.070 U	0.078 U	0.074 U	0.087 U
Aroclor 1232	MG/KG	-	0.037 U	0.034 U	0.038 U	0.037 U	0.043 U
Aroclor 1242	MG/KG	-	0.037 U	0.034 U	0.038 U	0.037 U	0.043 U
Aroclor 1248	MG/KG	-	0.037 U	0.034 U	0.038 U	0.037 U	0.043 U
Aroclor 1254	MG/KG	-	0.037 U	0.034 U	0.038 U	0.037 U	0.043 U
Aroclor 1260	MG/KG	-	0.037 U	0.034 U	0.038 U	0.037 U	0.043 U
Total Polychlorinated Biphenyls	MG/KG	0.1	ND	ND	ND	ND	ND
Metals							
Aluminum	MG/KG	10000	5,860	5,080	6,340	5,800	1,510
Antimony	MG/KG	12	0.13 U	0.13 U	0.14 U	0.13 U	0.51 J
Arsenic	MG/KG	13	1.6	1.1	0.93 J	2.6	3.5
Barium	MG/KG	350	18.0 J	10.6 J	28.6	28.8	39.5
Beryllium	MG/KG	7.2	0.19 J	0.18 J	0.19 J	0.16 J	0.052 J
Cadmium	MG/KG	2.5	0.011 U	0.010 U	0.012 U	0.011 U	0.80
Calcium	MG/KG	10000	1,420	930	2,060	6,290	8,020
Chromium	MG/KG	30	6.9	6.4	9.2	9.2	6.9
Cobalt	MG/KG	20	3.3 J	2.9 J	4.0 J	4.0 J	4.8 J
Copper	MG/KG	50	4.3	1.8 J	2.9 J	11.3	37.0
Iron	MG/KG	2000	9,210	7,950	11,200	9,920	7,990
Lead	MG/KG	63	14.0	9.3	6.1	30.2	36.0
Magnesium	MG/KG	-	1,450	1,350	1,240	1,980	676
Manganese	MG/KG	1600	103	85.9	104	102	79.4

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-01	SB-02	SB-02	SB-02	SB-02
Sample ID			SB-1 (0-0.5)	SB-2 (0-2)	SB-2 (2-4)	SB-2 (4-6)	SB-2 (6-8)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			0.0-0.5	0.0-2.0	2.0-4.0	4.0-6.0	6.0-8.0
Date Sampled			05/22/13	05/15/13	05/15/13	05/15/13	05/15/13
Parameter	**Units**	**Criteria***					
Metals							
Mercury	MG/KG	0.18	0.027 J	0.018 J	0.019 U	0.019 U	0.022 U
Nickel	MG/KG	30	4.0 J	3.0 J	4.2 J	8.6	15.6
Potassium	MG/KG	-	292 J	209 U	300 U	5.5 U	6.4 U
Selenium	MG/KG	3.9	0.26 U	0.24 UJ	0.27 UJ	0.26 U	0.30 U
Silver	MG/KG	2	0.022 U	0.021 U	0.023 U	0.022 U	0.062 U
Sodium	MG/KG	-	141 U	52.6 U	172 U	45.2 J	42.3 J
Thallium	MG/KG	5	0.21 U	0.20 U	0.22 U	0.21 U	0.25 U
Vanadium	MG/KG	39	13.4	12.4	19.2	13.6	7.4
Zinc	MG/KG	109	30.2	20.4	28.7	49.3	99.7

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.
U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-02	SB-02	SB-02	SB-02	SB-02
Sample ID			SB-2 (8-10)	SB-2 (10-12)	SB-2 (12-14)	SB-2 (14-16)	SB-2 (16-18)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			8.0-10.0	10.0-12.0	12.0-14.0	14.0-16.0	16.0-18.0
Date Sampled			05/15/13	05/15/13	05/15/13	05/15/13	05/15/13
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
1,1,1-Trichloroethane	MG/KG	0.68	0.012 UJ	0.012 UJ	0.012 UJ	0.013 UJ	0.013 UJ
1,1,2,2-Tetrachloroethane	MG/KG	0.6	0.012 UJ	0.012 UJ	0.012 UJ	0.013 UJ	0.013 UJ
1,1,2-Trichloro-1,2,2-trifluoroethane	MG/KG	6	0.012 UJ	0.012 UJ	0.012 UJ	0.013 UJ	0.013 UJ
1,1,2-Trichloroethane	MG/KG	-	0.012 UJ	0.012 UJ	0.012 UJ	0.013 UJ	0.013 UJ
1,1-Dichloroethane	MG/KG	0.27	0.012 UJ	0.012 UJ	0.012 UJ	0.013 UJ	0.013 UJ
1,1-Dichloroethene	MG/KG	0.33	0.012 UJ	0.012 UJ	0.012 UJ	0.013 UJ	0.013 UJ
1,2,4-Trichlorobenzene	MG/KG	3.4	0.012 UJ	0.012 UJ	0.012 UJ	0.013 UJ	0.013 UJ
1,2-Dibromo-3-chloropropane	MG/KG	-	0.012 UJ	0.012 UJ	0.012 UJ	0.013 UJ	0.013 UJ
1,2-Dibromoethane (Ethylene dibromide)	MG/KG	-	0.012 UJ	0.012 UJ	0.012 UJ	0.013 UJ	0.013 UJ
1,2-Dichlorobenzene	MG/KG	1.1	0.012 UJ	0.012 UJ	0.012 UJ	0.013 UJ	0.013 UJ
1,2-Dichloroethane	MG/KG	0.02	0.012 UJ	0.012 UJ	0.012 UJ	0.013 UJ	0.013 UJ
1,2-Dichloroethene (cis)	MG/KG	0.25	0.012 UJ	0.012 UJ	0.012 UJ	0.013 UJ	0.013 UJ
1,2-Dichloroethene (trans)	MG/KG	0.19	0.012 UJ	0.012 UJ	0.012 UJ	0.013 UJ	0.013 UJ
1,2-Dichloropropane	MG/KG	700	0.012 UJ	0.012 UJ	0.012 UJ	0.013 UJ	0.013 UJ
1,3-Dichlorobenzene	MG/KG	2.4	0.012 UJ	0.012 UJ	0.012 UJ	0.013 UJ	0.013 UJ
1,3-Dichloropropene (cis)	MG/KG	-	0.012 UJ	0.012 UJ	0.012 UJ	0.013 UJ	0.013 UJ
1,3-Dichloropropene (trans)	MG/KG	-	0.012 UJ	0.012 UJ	0.012 UJ	0.013 UJ	0.013 UJ
1,4-Dichlorobenzene	MG/KG	1.8	0.012 UJ	0.012 UJ	0.012 UJ	0.013 UJ	0.013 UJ
2-Hexanone	MG/KG	-	0.012 UJ	0.012 UJ	0.012 UJ	0.013 UJ	0.013 UJ
4-Methyl-2-pentanone	MG/KG	1	0.012 UJ	0.012 UJ	0.012 UJ	0.013 UJ	0.013 UJ
Acetone	MG/KG	0.05	0.043 J	0.056 J	0.047 J	0.017 UJ	0.020 UJ
Benzene	MG/KG	0.06	0.012 UJ	0.012 UJ	0.012 UJ	0.013 UJ	0.013 UJ
Bromodichloromethane	MG/KG	-	0.012 UJ	0.012 UJ	0.012 UJ	0.013 UJ	0.013 UJ
Bromoform	MG/KG	-	0.012 UJ	0.012 UJ	0.012 UJ	0.013 UJ	0.013 UJ
Bromomethane	MG/KG	-	0.012 UJ	0.012 UJ	0.012 UJ	0.013 UJ	0.013 UJ

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-02	SB-02	SB-02	SB-02	SB-02
Sample ID			SB-2 (8-10)	SB-2 (10-12)	SB-2 (12-14)	SB-2 (14-16)	SB-2 (16-18)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			8.0-10.0	10.0-12.0	12.0-14.0	14.0-16.0	16.0-18.0
Date Sampled			05/15/13	05/15/13	05/15/13	05/15/13	05/15/13
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
Carbon disulfide	MG/KG	2.7	0.012 UJ	0.012 UJ	0.012 UJ	0.013 UJ	0.013 UJ
Carbon tetrachloride	MG/KG	0.76	0.012 UJ	0.012 UJ	0.012 UJ	0.013 UJ	0.013 UJ
Chlorobenzene	MG/KG	1.1	0.012 UJ	0.012 UJ	0.012 UJ	0.013 UJ	0.013 UJ
Chloroethane	MG/KG	1.9	0.012 UJ	0.012 UJ	0.012 UJ	0.013 UJ	0.013 UJ
Chloroform	MG/KG	0.37	0.012 UJ	0.012 UJ	0.012 UJ	0.013 UJ	0.013 UJ
Chloromethane	MG/KG	-	0.012 UJ	0.012 UJ	0.012 UJ	0.013 UJ	0.013 UJ
Cyclohexane	MG/KG	-	0.012 UJ	0.012 UJ	0.012 UJ	0.013 UJ	0.013 UJ
Dibromochloromethane	MG/KG	10	0.012 UJ	0.012 UJ	0.012 UJ	0.013 UJ	0.013 UJ
Dichlorodifluoromethane	MG/KG	-	0.012 UJ	0.012 UJ	0.012 UJ	0.013 UJ	0.013 UJ
Ethylbenzene	MG/KG	1	0.012 UJ	0.012 UJ	0.012 UJ	0.013 UJ	0.013 UJ
Isopropylbenzene (Cumene)	MG/KG	2.3	0.012 UJ	0.012 UJ	0.012 UJ	0.013 UJ	0.013 UJ
Methyl acetate	MG/KG	-	0.012 UJ	0.012 UJ	0.012 UJ	0.013 UJ	0.013 UJ
Methyl ethyl ketone (2-Butanone)	MG/KG	0.12	0.012 J	0.010 J	0.0090 J	0.013 UJ	0.013 UJ
Methyl tert-butyl ether	MG/KG	0.93	0.012 UJ	0.012 UJ	0.012 UJ	0.013 UJ	0.013 UJ
Methylcyclohexane	MG/KG	-	0.012 UJ	0.012 UJ	0.012 UJ	0.013 UJ	0.013 UJ
Methylene chloride	MG/KG	0.05	0.012 UJ	0.012 UJ	0.012 UJ	0.013 UJ	0.013 UJ
Styrene	MG/KG	300	0.012 UJ	0.012 UJ	0.012 UJ	0.013 UJ	0.013 UJ
Tetrachloroethene	MG/KG	1.3	0.012 UJ	0.012 UJ	0.012 UJ	0.013 UJ	0.013 UJ
Toluene	MG/KG	0.7	0.012 UJ	0.012 UJ	0.012 UJ	0.013 UJ	0.013 UJ
Trichloroethene	MG/KG	0.47	0.012 UJ	0.012 UJ	0.012 UJ	0.013 UJ	0.013 UJ
Trichlorofluoromethane	MG/KG	-	0.012 UJ	0.012 UJ	0.012 UJ	0.013 UJ	0.013 UJ
Vinyl chloride	MG/KG	0.02	0.012 UJ	0.012 UJ	0.012 UJ	0.013 UJ	0.013 UJ
Xylene (total)	MG/KG	0.26	0.012 UJ	0.012 UJ	0.012 UJ	0.013 UJ	0.013 UJ
Semivolatile Organic Compounds							
1,1-Biphenyl	MG/KG	60	0.40 U	0.39 U	0.40 U	0.41 U	0.43 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-02	SB-02	SB-02	SB-02	SB-02
Sample ID			SB-2 (8-10)	SB-2 (10-12)	SB-2 (12-14)	SB-2 (14-16)	SB-2 (16-18)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			8.0-10.0	10.0-12.0	12.0-14.0	14.0-16.0	16.0-18.0
Date Sampled			05/15/13	05/15/13	05/15/13	05/15/13	05/15/13
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
2,2-oxybis(1-Chloropropane)	MG/KG	-	0.40 U	0.39 U	0.40 U	0.41 U	0.43 U
2,4,5-Trichlorophenol	MG/KG	0.1	1.0 U	0.97 U	1.0 U	1.0 U	1.1 U
2,4,6-Trichlorophenol	MG/KG	10	0.40 U	0.39 U	0.40 U	0.41 U	0.43 U
2,4-Dichlorophenol	MG/KG	0.4	0.093 J	0.39 U	0.40 U	0.41 U	0.43 U
2,4-Dimethylphenol	MG/KG	-	0.40 U	0.39 U	0.40 U	0.41 U	0.43 U
2,4-Dinitrophenol	MG/KG	0.2	1.0 U	0.97 U	1.0 U	1.0 U	1.1 U
2,4-Dinitrotoluene	MG/KG	-	0.40 U	0.39 U	0.40 U	0.41 U	0.43 U
2,6-Dinitrotoluene	MG/KG	0.17	0.40 U	0.39 U	0.40 U	0.41 U	0.43 U
2-Chloronaphthalene	MG/KG	-	0.40 U	0.39 U	0.40 U	0.41 U	0.43 U
2-Chlorophenol	MG/KG	0.8	0.40 U	0.39 U	0.40 U	0.41 U	0.43 U
2-Methylnaphthalene	MG/KG	0.41	0.12 J	0.39 U	0.40 U	0.41 U	0.43 U
2-Methylphenol (o-cresol)	MG/KG	0.33	0.24 U	0.23 U	0.24 U	0.25 U	0.26 U
2-Nitroaniline	MG/KG	0.4	1.0 U	0.97 U	1.0 U	1.0 U	1.1 U
2-Nitrophenol	MG/KG	0.3	0.40 U	0.39 U	0.40 U	0.41 U	0.43 U
3,3-Dichlorobenzidine	MG/KG	-	0.40 U	0.39 U	0.40 U	0.41 U	0.43 U
3-Nitroaniline	MG/KG	0.5	1.0 U	0.97 U	1.0 U	1.0 U	1.1 U
4,6-Dinitro-2-methylphenol	MG/KG	-	1.0 U	0.97 U	1.0 U	1.0 U	1.1 U
4-Bromophenyl-phenylether	MG/KG	-	0.40 U	0.39 U	0.40 U	0.41 U	0.43 U
4-Chloro-3-methylphenol	MG/KG	-	0.40 U	0.39 U	0.40 U	0.41 U	0.43 U
4-Chloroaniline	MG/KG	0.22	0.40 U	0.39 U	0.40 U	0.41 U	0.43 U
4-Chlorophenyl-phenylether	MG/KG	-	0.40 U	0.39 U	0.40 U	0.41 U	0.43 U
4-Methylphenol (p-cresol)	MG/KG	0.33	1.1	0.11 J	0.24 U	0.25 U	0.26 U
4-Nitroaniline	MG/KG	-	1.0 U	0.97 U	1.0 U	1.0 U	1.1 U
4-Nitrophenol	MG/KG	0.1	1.0 U	0.97 U	1.0 U	1.0 U	1.1 U
Acenaphthene	MG/KG	20	0.12 J	0.39 U	0.40 U	0.41 U	0.43 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-02	SB-02	SB-02	SB-02	SB-02
Sample ID			SB-2 (8-10)	SB-2 (10-12)	SB-2 (12-14)	SB-2 (14-16)	SB-2 (16-18)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			8.0-10.0	10.0-12.0	12.0-14.0	14.0-16.0	16.0-18.0
Date Sampled			05/15/13	05/15/13	05/15/13	05/15/13	05/15/13
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
Acenaphthylene	MG/KG	100	0.40 U	0.39 U	0.40 U	0.41 U	0.43 U
Acetophenone	MG/KG	-	0.40 UJ	0.39 UJ	0.40 UJ	0.41 UJ	0.43 UJ
Anthracene	MG/KG	100	0.48	0.13 J	0.40 U	0.41 U	0.43 U
Atrazine	MG/KG	-	0.40 U	0.39 U	0.40 U	0.41 U	0.43 U
Benzaldehyde	MG/KG	-	0.40 UJ	0.082 J	0.40 UJ	0.41 UJ	0.43 UJ
Benzo(a)anthracene	MG/KG	1	1.1	0.22 J	0.40 U	0.41 U	0.43 U
Benzo(a)pyrene	MG/KG	1	0.81	0.16 J	0.40 U	0.41 U	0.43 U
Benzo(b)fluoranthene	MG/KG	1	1.1	0.19 J	0.40 U	0.41 U	0.43 U
Benzo(g,h,i)perylene	MG/KG	100	0.34 J	0.087 J	0.40 U	0.41 U	0.43 U
Benzo(k)fluoranthene	MG/KG	0.8	0.36 J	0.39 U	0.40 U	0.41 U	0.43 U
bis(2-Chloroethoxy)methane	MG/KG	-	0.40 U	0.39 U	0.40 U	0.41 U	0.43 U
bis(2-Chloroethyl)ether	MG/KG	-	0.40 U	0.39 U	0.40 U	0.41 U	0.43 U
bis(2-Ethylhexyl)phthalate	MG/KG	50	0.12 J	0.39 U	0.40 U	0.41 U	0.43 U
Butylbenzylphthalate	MG/KG	100	0.40 U	0.39 U	0.40 U	0.41 U	0.43 U
Caprolactam	MG/KG	-	0.40 U	0.39 U	0.40 U	0.41 U	0.43 U
Carbazole	MG/KG	-	0.38 J	0.17 J	0.40 U	0.41 U	0.43 U
Chrysene	MG/KG	1	0.98	0.20 J	0.40 U	0.41 U	0.43 U
Dibenz(a,h)anthracene	MG/KG	0.33	0.11 J	0.23 U	0.24 U	0.25 U	0.26 U
Dibenzofuran	MG/KG	7	0.14 J	0.39 U	0.40 U	0.41 U	0.43 U
Diethylphthalate	MG/KG	7.1	0.40 U	0.39 U	0.40 U	0.41 U	0.43 U
Dimethylphthalate	MG/KG	27	0.40 U	0.39 U	0.40 U	0.41 U	0.43 U
Di-n-butylphthalate	MG/KG	0.014	0.40 U	0.39 U	0.40 U	0.41 U	0.43 U
Di-n-octylphthalate	MG/KG	100	0.40 U	0.39 U	0.40 U	0.41 U	0.43 U
Fluoranthene	MG/KG	100	2.4	0.49	0.40 U	0.41 U	0.43 U
Fluorene	MG/KG	30	0.20 J	0.39 U	0.40 U	0.41 U	0.43 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.
U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-02	SB-02	SB-02	SB-02	SB-02
Sample ID			SB-2 (8-10)	SB-2 (10-12)	SB-2 (12-14)	SB-2 (14-16)	SB-2 (16-18)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			8.0-10.0	10.0-12.0	12.0-14.0	14.0-16.0	16.0-18.0
Date Sampled			05/15/13	05/15/13	05/15/13	05/15/13	05/15/13
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
Hexachlorobenzene	MG/KG	0.33	0.40 U	0.39 U	0.40 U	0.41 U	0.43 U
Hexachlorobutadiene	MG/KG	-	0.40 U	0.39 U	0.40 U	0.41 U	0.43 U
Hexachlorocyclopentadiene	MG/KG	10	0.40 UJ	0.39 UJ	0.40 UJ	0.41 UJ	0.43 UJ
Hexachloroethane	MG/KG	-	0.40 U	0.39 U	0.40 U	0.41 U	0.43 U
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	0.32 J	0.081 J	0.40 U	0.41 U	0.43 U
Isophorone	MG/KG	4.4	0.40 U	0.39 U	0.40 U	0.41 U	0.43 U
Naphthalene	MG/KG	12	0.62	0.39 U	0.40 U	0.41 U	0.43 U
Nitrobenzene	MG/KG	0.17	0.40 U	0.39 U	0.40 U	0.41 U	0.43 U
N-Nitroso-di-n-propylamine	MG/KG	-	0.40 U	0.39 U	0.40 U	0.41 U	0.43 U
N-Nitrosodiphenylamine	MG/KG	20	0.40 U	0.39 U	0.40 U	0.41 U	0.43 U
Pentachlorophenol	MG/KG	0.8	0.61 U	0.59 U	0.61 U	0.63 U	0.65 U
Phenanthrene	MG/KG	100	1.8	0.46	0.40 U	0.41 U	0.43 U
Phenol	MG/KG	0.33	0.12 J	0.23 U	0.24 U	0.25 U	0.26 U
Pyrene	MG/KG	100	2.1	0.43	0.40 U	0.41 U	0.43 U
Pesticide Organic Compounds							
4,4'-DDD	MG/KG	0.0033	0.014 NJ	R	0.0020 U	0.0020 U	0.0020 U
4,4'-DDE	MG/KG	0.0033	0.012	0.0027	0.0020 U	0.0020 U	0.0020 U
4,4'-DDT	MG/KG	0.0033	R	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Aldrin	MG/KG	0.005	0.0030 U	0.0030 U	0.0030 U	0.0030 U	0.0030 U
alpha-BHC	MG/KG	0.02	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
alpha-Chlordane	MG/KG	0.094	0.012 J	0.0047 J	0.0020 U	0.0020 U	0.0020 U
beta-BHC	MG/KG	0.036	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
delta-BHC	MG/KG	0.04	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Dieldrin	MG/KG	0.005	R	0.0030 U	0.0030 U	0.0030 U	0.0030 U
Dimethoate	MG/KG	-	0.040 U	0.039 U	0.040 U	0.041 U	0.043 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-02	SB-02	SB-02	SB-02	SB-02
Sample ID			SB-2 (8-10)	SB-2 (10-12)	SB-2 (12-14)	SB-2 (14-16)	SB-2 (16-18)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			8.0-10.0	10.0-12.0	12.0-14.0	14.0-16.0	16.0-18.0
Date Sampled			05/15/13	05/15/13	05/15/13	05/15/13	05/15/13
Parameter	**Units**	**Criteria***					
Pesticide Organic Compounds							
Disulfoton	MG/KG	-	0.040 U	0.039 U	0.040 U	0.041 U	0.043 U
Endosulfan I	MG/KG	2.4	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Endosulfan II	MG/KG	2.4	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endosulfan sulfate	MG/KG	2.4	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endrin	MG/KG	0.014	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endrin aldehyde	MG/KG	-	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endrin ketone	MG/KG	-	0.0027 J	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Famphur	MG/KG	-	0.040 U	0.039 U	0.040 U	0.041 U	0.043 U
gamma-BHC (Lindane)	MG/KG	0.1	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
gamma-Chlordane	MG/KG	0.54	R	R	0.0020 U	0.0020 U	0.0020 U
Heptachlor	MG/KG	0.042	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Heptachlor epoxide	MG/KG	0.02	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Methoxychlor	MG/KG	1.2	0.021 U	0.020 U	0.021 U	0.021 U	0.022 U
Methyl parathion	MG/KG	-	0.040 U	0.039 U	0.040 U	0.041 U	0.043 U
Parathion	MG/KG	1.2	0.040 U	0.039 U	0.040 U	0.041 U	0.043 U
Phorate	MG/KG	-	0.040 U	0.039 U	0.040 U	0.041 U	0.043 U
Thionazin	MG/KG	-	0.040 U	0.039 U	0.040 U	0.041 U	0.043 U
Toxaphene	MG/KG	-	0.21 U	0.20 U	0.21 U	0.21 U	0.22 U
Herbicides							
2,4,5-T	MG/KG	1.9	0.006 U	0.0083	0.006 U	0.006 U	0.007 U
2,4,5-TP (Silvex)	MG/KG	3.8	0.006 U	0.0038 J	0.006 U	0.006 U	0.007 U
2,4-D	MG/KG	0.5	0.012 U	0.034	0.012 U	0.013 U	0.013 U
2,4-DB	MG/KG	-	0.012 U	0.012 U	0.012 U	0.013 U	0.013 U
Dicamba	MG/KG	-	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U
Dinoseb	MG/KG	-	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-02	SB-02	SB-02	SB-02	SB-02
Sample ID			SB-2 (8-10)	SB-2 (10-12)	SB-2 (12-14)	SB-2 (14-16)	SB-2 (16-18)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			8.0-10.0	10.0-12.0	12.0-14.0	14.0-16.0	16.0-18.0
Date Sampled			05/15/13	05/15/13	05/15/13	05/15/13	05/15/13
Parameter	**Units**	**Criteria***					
Herbicides							
Picrolam	MG/KG	-	0.012 U	0.012 UJ	0.012 U	0.013 U	0.013 U
Polychlorinated Biphenyls							
Aroclor 1016	MG/KG	-	0.040 U	0.039 U	0.040 U	0.041 U	0.043 U
Aroclor 1221	MG/KG	-	0.082 U	0.079 U	0.081 U	0.084 U	0.087 U
Aroclor 1232	MG/KG	-	0.040 U	0.039 U	0.040 U	0.041 U	0.043 U
Aroclor 1242	MG/KG	-	0.040 U	0.039 U	0.040 U	0.041 U	0.043 U
Aroclor 1248	MG/KG	-	0.040 U	0.039 U	0.040 U	0.041 U	0.043 U
Aroclor 1254	MG/KG	-	0.040 U	0.039 U	0.040 U	0.041 U	0.043 U
Aroclor 1260	MG/KG	-	0.040 U	0.039 U	0.040 U	0.041 U	0.043 U
Total Polychlorinated Biphenyls	MG/KG	0.1	ND	ND	ND	ND	ND
Metals							
Aluminum	MG/KG	10000	2,930	8,770	9,590	9,040	10,800
Antimony	MG/KG	12	0.15 U	0.14 U	0.15 U	0.15 U	0.16 U
Arsenic	MG/KG	13	2.5	4.6	5.7	1.7	2.6
Barium	MG/KG	350	26.5	53.2	78.6	45.0	61.2
Beryllium	MG/KG	7.2	0.037 J	0.36 J	0.012 U	0.14 J	0.18 J
Cadmium	MG/KG	2.5	0.012 U	0.012 U	0.012 U	0.013 U	0.013 U
Calcium	MG/KG	10000	4,690	2,150	17,800	15,500	21,300
Chromium	MG/KG	30	8.0	19.1	19.0	15.4	17.8
Cobalt	MG/KG	20	3.7 J	7.9	12.7	8.4	9.7
Copper	MG/KG	50	12.3	5.9	19.2	6.8	11.0
Iron	MG/KG	2000	7,950	21,900	28,400	20,000	23,100
Lead	MG/KG	63	44.5	5.7	7.2	2.3	4.4
Magnesium	MG/KG	-	1,320	2,340	5,320	5,750	7,690
Manganese	MG/KG	1600	89.5	190	157	249	349

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-02	SB-02	SB-02	SB-02	SB-02
Sample ID			SB-2 (8-10)	SB-2 (10-12)	SB-2 (12-14)	SB-2 (14-16)	SB-2 (16-18)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			8.0-10.0	10.0-12.0	12.0-14.0	14.0-16.0	16.0-18.0
Date Sampled			05/15/13	05/15/13	05/15/13	05/15/13	05/15/13
Parameter	**Units**	**Criteria***					
Metals							
Mercury	MG/KG	0.18	0.062	0.020 U	0.020 U	0.021 U	0.022 U
Nickel	MG/KG	30	7.9	10.4	32.9	7.9	11.6
Potassium	MG/KG	-	6.0 U	840	1,230	935	1,520
Selenium	MG/KG	3.9	0.28 U	0.27 U	0.28 U	0.29 U	0.30 U
Silver	MG/KG	2	0.030 U	0.024 U	0.024 U	0.025 U	0.026 U
Sodium	MG/KG	-	42.2 J	64.7 J	169 J	544 J	673
Thallium	MG/KG	5	0.23 U	0.22 U	0.23 U	0.24 U	0.25 U
Vanadium	MG/KG	39	12.0	29.3	21.9	33.2	33.3
Zinc	MG/KG	109	47.7	47.1	53.8	43.3	52.4

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.
U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-02	SB-02	SB-03	SB-03	SB-03
Sample ID			SB-2 (18-20)	SB-2 (0-0.5)	SB-3 (0-2)	SB-3 (2-4)	SB-3 (4-6)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			18.0-20.0	0.0-0.5	0.0-2.0	2.0-4.0	4.0-6.0
Date Sampled			05/15/13	05/22/13	05/16/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
1,1,1-Trichloroethane	MG/KG	0.68	0.013 UJ	0.012 U	0.011 UJ	0.011 UJ	0.013 UJ
1,1,2,2-Tetrachloroethane	MG/KG	0.6	0.013 UJ	0.012 U	0.011 UJ	0.011 UJ	0.013 UJ
1,1,2-Trichloro-1,2,2-trifluoroethane	MG/KG	6	0.013 UJ	0.012 U	0.011 UJ	0.011 UJ	0.013 UJ
1,1,2-Trichloroethane	MG/KG	-	0.013 UJ	0.012 U	0.011 UJ	0.011 UJ	0.013 UJ
1,1-Dichloroethane	MG/KG	0.27	0.013 UJ	0.012 U	0.011 UJ	0.011 UJ	0.013 UJ
1,1-Dichloroethene	MG/KG	0.33	0.013 UJ	0.012 U	0.011 UJ	0.011 UJ	0.013 UJ
1,2,4-Trichlorobenzene	MG/KG	3.4	0.013 UJ	0.012 U	0.011 UJ	0.011 UJ	0.013 UJ
1,2-Dibromo-3-chloropropane	MG/KG	-	0.013 UJ	0.012 U	0.011 UJ	0.011 UJ	0.013 UJ
1,2-Dibromoethane (Ethylene dibromide)	MG/KG	-	0.013 UJ	0.012 U	0.011 UJ	0.011 UJ	0.013 UJ
1,2-Dichlorobenzene	MG/KG	1.1	0.013 UJ	0.012 U	0.011 UJ	0.011 UJ	0.013 UJ
1,2-Dichloroethane	MG/KG	0.02	0.013 UJ	0.012 U	0.011 UJ	0.011 UJ	0.013 UJ
1,2-Dichloroethene (cis)	MG/KG	0.25	0.013 UJ	0.012 U	0.011 UJ	0.011 UJ	0.013 UJ
1,2-Dichloroethene (trans)	MG/KG	0.19	0.013 UJ	0.012 U	0.011 UJ	0.011 UJ	0.013 UJ
1,2-Dichloropropane	MG/KG	700	0.013 UJ	0.012 U	0.011 UJ	0.011 UJ	0.013 UJ
1,3-Dichlorobenzene	MG/KG	2.4	0.013 UJ	0.012 U	0.011 UJ	0.011 UJ	0.013 UJ
1,3-Dichloropropene (cis)	MG/KG	-	0.013 UJ	0.012 U	0.011 UJ	0.011 UJ	0.013 UJ
1,3-Dichloropropene (trans)	MG/KG	-	0.013 UJ	0.012 U	0.011 UJ	0.011 UJ	0.013 UJ
1,4-Dichlorobenzene	MG/KG	1.8	0.013 UJ	0.012 U	0.011 UJ	0.011 UJ	0.013 UJ
2-Hexanone	MG/KG	-	0.013 UJ	0.012 U	0.011 UJ	0.011 UJ	0.013 UJ
4-Methyl-2-pentanone	MG/KG	1	0.013 UJ	0.012 U	0.011 UJ	0.011 UJ	0.013 UJ
Acetone	MG/KG	0.05	0.013 UJ	0.012 U	0.011 UJ	0.011 UJ	0.013 UJ
Benzene	MG/KG	0.06	0.013 UJ	0.012 U	0.011 UJ	0.011 UJ	0.013 UJ
Bromodichloromethane	MG/KG	-	0.013 UJ	0.012 U	0.011 UJ	0.011 UJ	0.013 UJ
Bromoform	MG/KG	-	0.013 UJ	0.012 U	0.011 UJ	0.011 UJ	0.013 UJ
Bromomethane	MG/KG	-	0.013 UJ	0.012 UJ	0.011 UJ	0.011 UJ	0.013 UJ

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

I:\1176892\DB\EDMS.mde
Printed: 10/3/2013 11:56:17 AM
[LOGDATE] >= #5/13/2013# AND [MATRIX] = 'SO' AND [LOCID] <> 'DRUM COMP

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-02	SB-02	SB-03	SB-03	SB-03
Sample ID			SB-2 (18-20)	SB-2 (0-0.5)	SB-3 (0-2)	SB-3 (2-4)	SB-3 (4-6)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			18.0-20.0	0.0-0.5	0.0-2.0	2.0-4.0	4.0-6.0
Date Sampled			05/15/13	05/22/13	05/16/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
Carbon disulfide	MG/KG	2.7	0.013 UJ	0.012 U	0.011 UJ	0.011 UJ	0.013 UJ
Carbon tetrachloride	MG/KG	0.76	0.013 UJ	0.012 U	0.011 UJ	0.011 UJ	0.013 UJ
Chlorobenzene	MG/KG	1.1	0.013 UJ	0.012 U	0.011 UJ	0.011 UJ	0.013 UJ
Chloroethane	MG/KG	1.9	0.013 UJ	0.012 U	0.011 UJ	0.011 UJ	0.013 UJ
Chloroform	MG/KG	0.37	0.013 UJ	0.012 U	0.011 UJ	0.011 UJ	0.013 UJ
Chloromethane	MG/KG	-	0.013 UJ	0.012 U	0.011 UJ	0.011 UJ	0.013 UJ
Cyclohexane	MG/KG	-	0.013 UJ	0.012 U	0.011 UJ	0.011 UJ	0.013 UJ
Dibromochloromethane	MG/KG	10	0.013 UJ	0.012 U	0.011 UJ	0.011 UJ	0.013 UJ
Dichlorodifluoromethane	MG/KG	-	0.013 UJ	0.012 U	0.011 UJ	0.011 UJ	0.013 UJ
Ethylbenzene	MG/KG	1	0.013 UJ	0.012 U	0.011 UJ	0.011 UJ	0.013 UJ
Isopropylbenzene (Cumene)	MG/KG	2.3	0.013 UJ	0.012 U	0.011 UJ	0.011 UJ	0.013 UJ
Methyl acetate	MG/KG	-	0.013 UJ	0.012 U	0.011 UJ	0.011 UJ	0.013 UJ
Methyl ethyl ketone (2-Butanone)	MG/KG	0.12	0.013 UJ	0.012 U	0.011 UJ	0.011 UJ	0.013 UJ
Methyl tert-butyl ether	MG/KG	0.93	0.013 UJ	0.012 U	0.011 UJ	0.011 UJ	0.013 UJ
Methylcyclohexane	MG/KG	-	0.013 UJ	0.012 U	0.011 UJ	0.011 UJ	0.013 UJ
Methylene chloride	MG/KG	0.05	0.013 UJ	0.012 U	0.011 UJ	0.011 UJ	0.013 UJ
Styrene	MG/KG	300	0.013 UJ	0.012 U	0.011 UJ	0.011 UJ	0.013 UJ
Tetrachloroethene	MG/KG	1.3	0.013 UJ	0.012 U	0.011 UJ	0.011 UJ	0.013 UJ
Toluene	MG/KG	0.7	0.013 UJ	0.012 U	0.011 UJ	0.0010 J	0.013 UJ
Trichloroethene	MG/KG	0.47	0.013 UJ	0.012 U	0.011 UJ	0.011 UJ	0.013 UJ
Trichlorofluoromethane	MG/KG	-	0.013 UJ	0.012 U	0.011 UJ	0.011 UJ	0.013 UJ
Vinyl chloride	MG/KG	0.02	0.013 UJ	0.012 U	0.011 UJ	0.011 UJ	0.013 UJ
Xylene (total)	MG/KG	0.26	0.013 UJ	0.012 U	0.011 UJ	0.011 UJ	0.013 UJ
Semivolatile Organic Compounds							
1,1-Biphenyl	MG/KG	60	0.42 U	0.38 U	0.35 U	0.37 U	0.41 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

I:\1176892\DB\EDMS.mde
Printed: 10/3/2013 11:56:18 AM
[LOGDATE] >= #5/13/2013# AND [MATRIX] = 'SO' AND [LOCID] <> 'DRUM COMP

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-02	SB-02	SB-03	SB-03	SB-03
Sample ID			SB-2 (18-20)	SB-2 (0-0.5)	SB-3 (0-2)	SB-3 (2-4)	SB-3 (4-6)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			18.0-20.0	0.0-0.5	0.0-2.0	2.0-4.0	4.0-6.0
Date Sampled			05/15/13	05/22/13	05/16/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
2,2-oxybis(1-Chloropropane)	MG/KG	-	0.42 U	0.38 UJ	0.35 UJ	0.37 UJ	0.41 UJ
2,4,5-Trichlorophenol	MG/KG	0.1	1.0 U	0.96 U	0.88 U	0.92 U	1.0 U
2,4,6-Trichlorophenol	MG/KG	10	0.42 U	0.38 U	0.35 U	0.37 U	0.41 U
2,4-Dichlorophenol	MG/KG	0.4	0.42 U	0.38 U	0.35 U	0.37 U	0.41 U
2,4-Dimethylphenol	MG/KG	-	0.42 U	0.38 U	0.35 U	0.37 U	0.41 U
2,4-Dinitrophenol	MG/KG	0.2	1.0 U	0.96 U	0.88 U	0.92 U	1.0 U
2,4-Dinitrotoluene	MG/KG	-	0.42 U	0.38 U	0.35 U	0.37 U	0.41 U
2,6-Dinitrotoluene	MG/KG	0.17	0.42 U	0.38 U	0.35 U	0.37 U	0.41 U
2-Chloronaphthalene	MG/KG	-	0.42 U	0.38 U	0.35 U	0.37 U	0.41 U
2-Chlorophenol	MG/KG	0.8	0.42 U	0.38 U	0.35 U	0.37 U	0.41 U
2-Methylnaphthalene	MG/KG	0.41	0.42 U	0.38 U	0.35 U	0.37 U	0.41 U
2-Methylphenol (o-cresol)	MG/KG	0.33	0.25 U	0.23 U	0.21 U	0.22 U	0.25 U
2-Nitroaniline	MG/KG	0.4	1.0 U	0.96 U	0.88 U	0.92 U	1.0 U
2-Nitrophenol	MG/KG	0.3	0.42 U	0.38 U	0.35 U	0.37 U	0.41 U
3,3-Dichlorobenzidine	MG/KG	-	0.42 U	0.38 U	0.35 U	0.37 U	0.41 U
3-Nitroaniline	MG/KG	0.5	1.0 U	0.96 U	0.88 U	0.92 U	1.0 U
4,6-Dinitro-2-methylphenol	MG/KG	-	1.0 U	0.96 U	0.88 U	0.92 U	1.0 U
4-Bromophenyl-phenylether	MG/KG	-	0.42 U	0.38 U	0.35 U	0.37 U	0.41 U
4-Chloro-3-methylphenol	MG/KG	-	0.42 U	0.38 U	0.35 U	0.37 U	0.41 U
4-Chloroaniline	MG/KG	0.22	0.42 U	0.38 U	0.35 U	0.37 U	0.41 U
4-Chlorophenyl-phenylether	MG/KG	-	0.42 U	0.38 U	0.35 U	0.37 U	0.41 U
4-Methylphenol (p-cresol)	MG/KG	0.33	0.25 U	0.23 U	0.21 U	0.22 U	0.25 U
4-Nitroaniline	MG/KG	-	1.0 U	0.96 U	0.88 U	0.92 U	1.0 U
4-Nitrophenol	MG/KG	0.1	1.0 U	0.96 U	0.88 U	0.92 U	1.0 U
Acenaphthene	MG/KG	20	0.42 U	0.38 U	0.35 U	0.37 U	0.41 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-02	SB-02	SB-03	SB-03	SB-03
Sample ID			SB-2 (18-20)	SB-2 (0-0.5)	SB-3 (0-2)	SB-3 (2-4)	SB-3 (4-6)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			18.0-20.0	0.0-0.5	0.0-2.0	2.0-4.0	4.0-6.0
Date Sampled			05/15/13	05/22/13	05/16/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
Acenaphthylene	MG/KG	100	0.42 U	0.38 U	0.35 U	0.37 U	0.41 U
Acetophenone	MG/KG	-	0.42 UJ	0.38 UJ	0.35 UJ	0.37 UJ	0.41 UJ
Anthracene	MG/KG	100	0.42 U	0.38 U	0.35 U	0.37 U	0.41 U
Atrazine	MG/KG	-	0.42 U	0.38 U	0.35 U	0.37 U	0.41 U
Benzaldehyde	MG/KG	-	0.42 UJ	0.38 UJ	0.35 UJ	0.37 UJ	0.41 UJ
Benzo(a)anthracene	MG/KG	1	0.42 U	0.11 J	0.35 U	0.37 U	0.41 U
Benzo(a)pyrene	MG/KG	1	0.42 U	0.17 J	0.35 U	0.37 U	0.41 U
Benzo(b)fluoranthene	MG/KG	1	0.42 U	0.33 J	0.35 U	0.37 U	0.41 U
Benzo(g,h,i)perylene	MG/KG	100	0.42 U	0.11 J	0.35 U	0.37 U	0.41 U
Benzo(k)fluoranthene	MG/KG	0.8	0.42 U	0.10 J	0.35 U	0.37 U	0.41 U
bis(2-Chloroethoxy)methane	MG/KG	-	0.42 U	0.38 U	0.35 U	0.37 U	0.41 U
bis(2-Chloroethyl)ether	MG/KG	-	0.42 U	0.38 U	0.35 U	0.37 U	0.41 U
bis(2-Ethylhexyl)phthalate	MG/KG	50	0.42 U	0.38 U	0.35 U	0.37 U	0.41 U
Butylbenzylphthalate	MG/KG	100	0.42 U	0.38 U	0.35 U	0.37 U	0.41 U
Caprolactam	MG/KG	-	0.42 U	0.38 U	0.35 U	0.37 U	0.41 U
Carbazole	MG/KG	-	0.42 U	0.38 U	0.35 U	0.37 U	0.41 U
Chrysene	MG/KG	1	0.42 U	0.17 J	0.35 U	0.37 U	0.41 U
Dibenz(a,h)anthracene	MG/KG	0.33	0.25 U	0.23 U	0.21 U	0.22 U	0.25 U
Dibenzofuran	MG/KG	7	0.42 U	0.38 U	0.35 U	0.37 U	0.41 U
Diethylphthalate	MG/KG	7.1	0.42 U	0.38 U	0.35 U	0.37 U	0.41 U
Dimethylphthalate	MG/KG	27	0.42 U	0.38 U	0.35 U	0.37 U	0.41 U
Di-n-butylphthalate	MG/KG	0.014	0.42 U	0.38 U	0.35 U	0.37 U	0.41 U
Di-n-octylphthalate	MG/KG	100	0.42 U	0.38 U	0.35 U	0.37 U	0.41 U
Fluoranthene	MG/KG	100	0.42 U	0.17 J	0.35 U	0.37 U	0.41 U
Fluorene	MG/KG	30	0.42 U	0.38 U	0.35 U	0.37 U	0.41 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-02	SB-02	SB-03	SB-03	SB-03
Sample ID			SB-2 (18-20)	SB-2 (0-0.5)	SB-3 (0-2)	SB-3 (2-4)	SB-3 (4-6)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			18.0-20.0	0.0-0.5	0.0-2.0	2.0-4.0	4.0-6.0
Date Sampled			05/15/13	05/22/13	05/16/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
Hexachlorobenzene	MG/KG	0.33	0.42 U	0.38 U	0.35 U	0.37 U	0.41 U
Hexachlorobutadiene	MG/KG	-	0.42 U	0.38 U	0.35 U	0.37 U	0.41 U
Hexachlorocyclopentadiene	MG/KG	10	0.42 UJ	0.38 UJ	0.35 UJ	0.37 UJ	0.41 UJ
Hexachloroethane	MG/KG	-	0.42 U	0.38 U	0.35 U	0.37 U	0.41 U
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	0.42 U	0.098 J	0.35 U	0.37 U	0.41 U
Isophorone	MG/KG	4.4	0.42 U	0.38 U	0.35 U	0.37 U	0.41 U
Naphthalene	MG/KG	12	0.42 U	0.38 U	0.35 U	0.37 U	0.41 U
Nitrobenzene	MG/KG	0.17	0.42 U	0.38 U	0.35 U	0.37 U	0.41 U
N-Nitroso-di-n-propylamine	MG/KG	-	0.42 U	0.38 UJ	0.35 U	0.37 U	0.41 U
N-Nitrosodiphenylamine	MG/KG	20	0.42 U	0.38 U	0.35 U	0.37 U	0.41 U
Pentachlorophenol	MG/KG	0.8	0.63 U	0.58 U	0.53 U	0.55 U	0.63 U
Phenanthrene	MG/KG	100	0.42 U	0.38 U	0.35 U	0.37 U	0.41 U
Phenol	MG/KG	0.33	0.25 U	0.23 U	0.21 U	0.22 U	0.25 U
Pyrene	MG/KG	100	0.42 U	0.17 J	0.35 U	0.37 U	0.41 U
Pesticide Organic Compounds							
4,4'-DDD	MG/KG	0.0033	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
4,4'-DDE	MG/KG	0.0033	0.0020 U	0.0012 J	0.0020 U	0.0020 U	0.0020 U
4,4'-DDT	MG/KG	0.0033	0.0020 U	0.0032 NJ	0.0020 U	0.0020 U	0.0020 U
Aldrin	MG/KG	0.005	0.0030 U	0.0030 U	0.0030 U	0.0030 U	0.0030 U
alpha-BHC	MG/KG	0.02	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
alpha-Chlordane	MG/KG	0.094	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
beta-BHC	MG/KG	0.036	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
delta-BHC	MG/KG	0.04	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Dieldrin	MG/KG	0.005	0.0030 U	0.0030 U	0.0030 U	0.0030 U	0.0030 U
Dimethoate	MG/KG	-	0.041 U	0.038 U	0.035 U	0.036 U	0.041 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-02	SB-02	SB-03	SB-03	SB-03
Sample ID			SB-2 (18-20)	SB-2 (0-0.5)	SB-3 (0-2)	SB-3 (2-4)	SB-3 (4-6)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			18.0-20.0	0.0-0.5	0.0-2.0	2.0-4.0	4.0-6.0
Date Sampled			05/15/13	05/22/13	05/16/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria***					
Pesticide Organic Compounds							
Disulfoton	MG/KG	-	0.041 U	0.038 U	0.035 U	0.036 U	0.041 U
Endosulfan I	MG/KG	2.4	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Endosulfan II	MG/KG	2.4	0.0040 U	0.0040 U	0.0030 U	0.0040 U	0.0030 U
Endosulfan sulfate	MG/KG	2.4	0.0040 U	0.0040 U	0.0030 U	0.0040 U	0.0030 U
Endrin	MG/KG	0.014	0.0040 U	0.0040 U	0.0030 U	0.0040 U	0.0030 U
Endrin aldehyde	MG/KG	-	0.0040 U	0.0040 U	0.0030 U	0.0040 U	0.0030 U
Endrin ketone	MG/KG	-	0.0040 U	0.0040 U	0.0030 U	0.0040 U	0.0030 U
Famphur	MG/KG	-	0.041 U	0.038 U	0.035 U	0.036 U	0.041 U
gamma-BHC (Lindane)	MG/KG	0.1	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
gamma-Chlordane	MG/KG	0.54	R	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Heptachlor	MG/KG	0.042	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Heptachlor epoxide	MG/KG	0.02	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Methoxychlor	MG/KG	1.2	0.021 U	0.020 U	0.018 U	0.019 U	0.018 U
Methyl parathion	MG/KG	-	0.041 U	0.038 U	0.035 U	0.036 U	0.041 U
Parathion	MG/KG	1.2	0.041 U	0.038 U	0.035 U	0.036 U	0.041 U
Phorate	MG/KG	-	0.041 U	0.038 U	0.035 U	0.036 U	0.041 U
Thionazin	MG/KG	-	0.041 U	0.038 U	0.035 U	0.036 U	0.041 U
Toxaphene	MG/KG	-	0.21 U	0.20 U	0.18 U	0.19 U	0.18 U
Herbicides							
2,4,5-T	MG/KG	1.9	0.006 U	0.006 U	0.005 U	0.006 U	0.006 U
2,4,5-TP (Silvex)	MG/KG	3.8	0.006 U	0.006 U	0.005 U	0.006 U	0.006 U
2,4-D	MG/KG	0.5	0.013 U	0.012 U	0.011 U	0.011 U	0.013 U
2,4-DB	MG/KG	-	0.013 U	R	0.011 U	0.011 U	0.013 U
Dicamba	MG/KG	-	0.004 U	0.003 U	0.003 U	0.003 U	0.004 U
Dinoseb	MG/KG	-	0.005 U	0.005 U	0.004 U	0.004 U	0.005 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.
U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-02	SB-02	SB-03	SB-03	SB-03
Sample ID			SB-2 (18-20)	SB-2 (0-0.5)	SB-3 (0-2)	SB-3 (2-4)	SB-3 (4-6)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			18.0-20.0	0.0-0.5	0.0-2.0	2.0-4.0	4.0-6.0
Date Sampled			05/15/13	05/22/13	05/16/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria***					
Herbicides							
Picrolam	MG/KG	-	0.013 U	0.012 UJ	0.011 U	0.011 U	0.013 U
Polychlorinated Biphenyls							
Aroclor 1016	MG/KG	-	0.041 U	0.038 U	0.035 U	0.036 U	0.034 U
Aroclor 1221	MG/KG	-	0.084 U	0.078 U	0.071 U	0.074 U	0.070 U
Aroclor 1232	MG/KG	-	0.041 U	0.038 U	0.035 U	0.036 U	0.034 U
Aroclor 1242	MG/KG	-	0.041 U	0.038 U	0.035 U	0.036 U	0.034 U
Aroclor 1248	MG/KG	-	0.041 U	0.038 U	0.035 U	0.036 U	0.034 U
Aroclor 1254	MG/KG	-	0.041 U	0.038 U	0.035 U	0.036 U	0.034 U
Aroclor 1260	MG/KG	-	0.041 U	0.038 U	0.035 U	0.036 U	0.034 U
Total Polychlorinated Biphenyls	MG/KG	0.1	ND	ND	ND	ND	ND
Metals							
Aluminum	MG/KG	10000	11,100	5,890	4,310	4,170	4,500
Antimony	MG/KG	12	0.15 U	0.23 J	0.13 U	0.13 U	0.15 U
Arsenic	MG/KG	13	3.2	1.8	1.1	0.76 J	2.5
Barium	MG/KG	350	85.5	18.9 J	15.4 J	12.5 J	18.9 J
Beryllium	MG/KG	7.2	0.23 J	0.21 J	0.20 J	0.16 J	0.21 J
Cadmium	MG/KG	2.5	0.013 U	0.012 U	0.011 U	0.011 U	0.013 U
Calcium	MG/KG	10000	20,700	1,790	1,220	1,480	1,210
Chromium	MG/KG	30	18.9	7.9	5.7	5.7	6.8
Cobalt	MG/KG	20	10.3	3.4 J	2.8 J	2.6 J	2.9 J
Copper	MG/KG	50	10.9	5.0	2.2 J	2.2 J	26.8 J
Iron	MG/KG	2000	24,100	9,450	7,910	6,910	8,440
Lead	MG/KG	63	3.2	25.1	5.5	7.7	18.3
Magnesium	MG/KG	-	7,580	1,710	1,220	1,110	1,510
Manganese	MG/KG	1600	372	122	92.2	35.9	46.6

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-02	SB-02	SB-03	SB-03	SB-03
Sample ID			SB-2 (18-20)	SB-2 (0-0.5)	SB-3 (0-2)	SB-3 (2-4)	SB-3 (4-6)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			18.0-20.0	0.0-0.5	0.0-2.0	2.0-4.0	4.0-6.0
Date Sampled			05/15/13	05/22/13	05/16/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria***					
Metals							
Mercury	MG/KG	0.18	0.021 U	0.036 J	0.018 U	0.019 U	0.021 U
Nickel	MG/KG	30	12.1	5.1	2.8 J	3.1 J	4.0 J
Potassium	MG/KG	-	1,570	352 J	307 U	326 U	298 U
Selenium	MG/KG	3.9	0.29 U	0.27 U	0.24 UJ	0.26 UJ	0.29 UJ
Silver	MG/KG	2	0.025 U	0.023 U	0.021 U	0.022 U	0.025 U
Sodium	MG/KG	-	628 J	147 U	68.8 U	97.1 U	72.6 U
Thallium	MG/KG	5	0.24 U	0.22 U	0.20 U	0.21 U	0.24 U
Vanadium	MG/KG	39	35.5	13.3	13.1	12.0	12.1
Zinc	MG/KG	109	51.4	48.1	19.3	19.4	28.5

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.
U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-03	SB-03	SB-03	SB-03	SB-03
Sample ID			SB-3 (6-8)	SB-3 (8-10)	SB-3 (10-12)	SB-3 (14-16)	SB-3 (16-18)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			6.0-8.0	8.0-10.0	10.0-12.0	14.0-16.0	16.0-18.0
Date Sampled			05/16/13	05/16/13	05/16/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
1,1,1-Trichloroethane	MG/KG	0.68	NA	NA	NA	0.013 UJ	0.014 UJ
1,1,2,2-Tetrachloroethane	MG/KG	0.6	NA	NA	NA	0.013 UJ	0.014 UJ
1,1,2-Trichloro-1,2,2-trifluoroethane	MG/KG	6	NA	NA	NA	0.013 UJ	0.014 UJ
1,1,2-Trichloroethane	MG/KG	-	NA	NA	NA	0.013 UJ	0.014 UJ
1,1-Dichloroethane	MG/KG	0.27	NA	NA	NA	0.013 UJ	0.014 UJ
1,1-Dichloroethene	MG/KG	0.33	NA	NA	NA	0.013 UJ	0.014 UJ
1,2,4-Trichlorobenzene	MG/KG	3.4	NA	NA	NA	0.013 UJ	0.014 UJ
1,2-Dibromo-3-chloropropane	MG/KG	-	NA	NA	NA	0.013 UJ	0.014 UJ
1,2-Dibromoethane (Ethylene dibromide)	MG/KG	-	NA	NA	NA	0.013 UJ	0.014 UJ
1,2-Dichlorobenzene	MG/KG	1.1	NA	NA	NA	0.013 UJ	0.014 UJ
1,2-Dichloroethane	MG/KG	0.02	NA	NA	NA	0.013 UJ	0.014 UJ
1,2-Dichloroethene (cis)	MG/KG	0.25	NA	NA	NA	0.013 UJ	0.014 UJ
1,2-Dichloroethene (trans)	MG/KG	0.19	NA	NA	NA	0.013 UJ	0.014 UJ
1,2-Dichloropropane	MG/KG	700	NA	NA	NA	0.013 UJ	0.014 UJ
1,3-Dichlorobenzene	MG/KG	2.4	NA	NA	NA	0.013 UJ	0.014 UJ
1,3-Dichloropropene (cis)	MG/KG	-	NA	NA	NA	0.013 UJ	0.014 UJ
1,3-Dichloropropene (trans)	MG/KG	-	NA	NA	NA	0.013 UJ	0.014 UJ
1,4-Dichlorobenzene	MG/KG	1.8	NA	NA	NA	0.013 UJ	0.014 UJ
2-Hexanone	MG/KG	-	NA	NA	NA	0.013 UJ	0.014 UJ
4-Methyl-2-pentanone	MG/KG	1	NA	NA	NA	0.013 UJ	0.014 UJ
Acetone	MG/KG	0.05	NA	NA	NA	0.015 J	0.015 J
Benzene	MG/KG	0.06	NA	NA	NA	0.013 UJ	0.014 UJ
Bromodichloromethane	MG/KG	-	NA	NA	NA	0.013 UJ	0.014 UJ
Bromoform	MG/KG	-	NA	NA	NA	0.013 UJ	0.014 UJ
Bromomethane	MG/KG	-	NA	NA	NA	0.013 UJ	0.014 UJ

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-03	SB-03	SB-03	SB-03	SB-03
Sample ID			SB-3 (6-8)	SB-3 (8-10)	SB-3 (10-12)	SB-3 (14-16)	SB-3 (16-18)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			6.0-8.0	8.0-10.0	10.0-12.0	14.0-16.0	16.0-18.0
Date Sampled			05/16/13	05/16/13	05/16/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
Carbon disulfide	MG/KG	2.7	NA	NA	NA	0.013 UJ	0.014 UJ
Carbon tetrachloride	MG/KG	0.76	NA	NA	NA	0.013 UJ	0.014 UJ
Chlorobenzene	MG/KG	1.1	NA	NA	NA	0.013 UJ	0.014 UJ
Chloroethane	MG/KG	1.9	NA	NA	NA	0.013 UJ	0.014 UJ
Chloroform	MG/KG	0.37	NA	NA	NA	0.013 UJ	0.014 UJ
Chloromethane	MG/KG	-	NA	NA	NA	0.013 UJ	0.014 UJ
Cyclohexane	MG/KG	-	NA	NA	NA	0.013 UJ	0.014 UJ
Dibromochloromethane	MG/KG	10	NA	NA	NA	0.013 UJ	0.014 UJ
Dichlorodifluoromethane	MG/KG	-	NA	NA	NA	0.013 UJ	0.014 UJ
Ethylbenzene	MG/KG	1	NA	NA	NA	0.013 UJ	0.014 UJ
Isopropylbenzene (Cumene)	MG/KG	2.3	NA	NA	NA	0.013 UJ	0.014 UJ
Methyl acetate	MG/KG	-	NA	NA	NA	0.013 UJ	0.014 UJ
Methyl ethyl ketone (2-Butanone)	MG/KG	0.12	NA	NA	NA	0.013 UJ	0.014 UJ
Methyl tert-butyl ether	MG/KG	0.93	NA	NA	NA	0.013 UJ	0.014 UJ
Methylcyclohexane	MG/KG	-	NA	NA	NA	0.013 UJ	0.014 UJ
Methylene chloride	MG/KG	0.05	NA	NA	NA	0.013 UJ	0.014 UJ
Styrene	MG/KG	300	NA	NA	NA	0.013 UJ	0.014 UJ
Tetrachloroethene	MG/KG	1.3	NA	NA	NA	0.013 UJ	0.014 UJ
Toluene	MG/KG	0.7	NA	NA	NA	0.013 UJ	0.014 UJ
Trichloroethene	MG/KG	0.47	NA	NA	NA	0.013 UJ	0.014 UJ
Trichlorofluoromethane	MG/KG	-	NA	NA	NA	0.013 UJ	0.014 UJ
Vinyl chloride	MG/KG	0.02	NA	NA	NA	0.013 UJ	0.014 UJ
Xylene (total)	MG/KG	0.26	NA	NA	NA	0.013 UJ	0.014 UJ
Semivolatile Organic Compounds							
1,1-Biphenyl	MG/KG	60	0.96 UJ	0.42 U	0.39 U	0.44 U	0.44 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-03	SB-03	SB-03	SB-03	SB-03
Sample ID			SB-3 (6-8)	SB-3 (8-10)	SB-3 (10-12)	SB-3 (14-16)	SB-3 (16-18)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			6.0-8.0	8.0-10.0	10.0-12.0	14.0-16.0	16.0-18.0
Date Sampled			05/16/13	05/16/13	05/16/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
2,2-oxybis(1-Chloropropane)	MG/KG	-	0.96 UJ	0.42 UJ	0.39 UJ	0.44 UJ	0.44 UJ
2,4,5-Trichlorophenol	MG/KG	0.1	2.4 UJ	1.1 U	0.99 U	1.1 U	1.1 U
2,4,6-Trichlorophenol	MG/KG	10	0.96 UJ	0.42 U	0.39 U	0.44 U	0.44 U
2,4-Dichlorophenol	MG/KG	0.4	0.96 UJ	0.42 U	0.39 U	0.44 U	0.44 U
2,4-Dimethylphenol	MG/KG	-	0.96 UJ	0.42 U	0.39 UJ	0.44 UJ	0.44 UJ
2,4-Dinitrophenol	MG/KG	0.2	2.4 UJ	1.1 U	0.99 U	1.1 U	1.1 U
2,4-Dinitrotoluene	MG/KG	-	0.96 UJ	0.42 U	0.39 U	0.44 U	0.44 U
2,6-Dinitrotoluene	MG/KG	0.17	0.96 UJ	0.42 U	0.39 U	0.44 U	0.44 U
2-Chloronaphthalene	MG/KG	-	0.96 UJ	0.42 U	0.39 U	0.44 U	0.44 U
2-Chlorophenol	MG/KG	0.8	0.96 UJ	0.42 U	0.39 U	0.44 U	0.44 U
2-Methylnaphthalene	MG/KG	0.41	0.20 J	0.42 U	0.39 U	0.44 U	0.44 U
2-Methylphenol (o-cresol)	MG/KG	0.33	0.58 UJ	0.26 U	0.24 U	0.27 U	0.27 U
2-Nitroaniline	MG/KG	0.4	2.4 UJ	1.1 U	0.99 U	1.1 U	1.1 U
2-Nitrophenol	MG/KG	0.3	0.96 UJ	0.42 U	0.39 U	0.44 U	0.44 U
3,3-Dichlorobenzidine	MG/KG	-	0.96 UJ	0.42 U	0.39 U	0.44 U	0.44 U
3-Nitroaniline	MG/KG	0.5	2.4 UJ	1.1 U	0.99 U	1.1 U	1.1 U
4,6-Dinitro-2-methylphenol	MG/KG	-	2.4 UJ	1.1 U	0.99 U	1.1 U	1.1 U
4-Bromophenyl-phenylether	MG/KG	-	0.96 UJ	0.42 U	0.39 U	0.44 U	0.44 U
4-Chloro-3-methylphenol	MG/KG	-	0.96 UJ	0.42 U	0.39 U	0.44 U	0.44 U
4-Chloroaniline	MG/KG	0.22	0.96 UJ	0.42 U	0.39 U	0.44 U	0.44 U
4-Chlorophenyl-phenylether	MG/KG	-	0.96 UJ	0.42 U	0.39 U	0.44 U	0.44 U
4-Methylphenol (p-cresol)	MG/KG	0.33	0.58 UJ	0.26 U	0.24 U	0.27 U	0.27 U
4-Nitroaniline	MG/KG	-	2.4 UJ	1.1 U	0.99 U	1.1 U	1.1 U
4-Nitrophenol	MG/KG	0.1	2.4 UJ	1.1 U	0.99 U	1.1 U	1.1 U
Acenaphthene	MG/KG	20	0.96 UJ	0.42 U	0.39 U	0.44 U	0.44 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.
U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-03	SB-03	SB-03	SB-03	SB-03
Sample ID			SB-3 (6-8)	SB-3 (8-10)	SB-3 (10-12)	SB-3 (14-16)	SB-3 (16-18)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			6.0-8.0	8.0-10.0	10.0-12.0	14.0-16.0	16.0-18.0
Date Sampled			05/16/13	05/16/13	05/16/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
Acenaphthylene	MG/KG	100	0.96 UJ	0.42 U	0.39 U	0.44 U	0.44 U
Acetophenone	MG/KG	-	0.96 UJ	0.42 UJ	0.39 UJ	0.44 UJ	0.44 UJ
Anthracene	MG/KG	100	0.92 J	0.42 U	0.39 U	0.44 U	0.44 U
Atrazine	MG/KG	-	0.96 UJ	0.42 U	0.39 U	0.44 U	0.44 U
Benzaldehyde	MG/KG	-	0.96 UJ	0.42 UJ	0.39 UJ	0.44 UJ	0.44 UJ
Benzo(a)anthracene	MG/KG	1	0.76 J	0.24 J	0.39 U	0.44 U	0.44 U
Benzo(a)pyrene	MG/KG	1	1.1 J	0.35 J	0.10 J	0.44 U	0.44 U
Benzo(b)fluoranthene	MG/KG	1	2.0 J	0.62	0.17 J	0.44 U	0.44 U
Benzo(g,h,i)perylene	MG/KG	100	0.61 J	0.21 J	0.39 U	0.44 U	0.44 U
Benzo(k)fluoranthene	MG/KG	0.8	0.87 J	0.29 J	0.39 U	0.44 U	0.44 U
bis(2-Chloroethoxy)methane	MG/KG	-	0.96 UJ	0.42 U	0.39 U	0.44 U	0.44 U
bis(2-Chloroethyl)ether	MG/KG	-	0.96 UJ	0.42 U	0.39 U	0.44 U	0.44 U
bis(2-Ethylhexyl)phthalate	MG/KG	50	0.96 UJ	0.42 U	0.39 U	0.44 U	0.44 U
Butylbenzylphthalate	MG/KG	100	0.96 UJ	0.42 U	0.39 U	0.44 U	0.44 U
Caprolactam	MG/KG	-	0.96 UJ	0.42 U	0.39 U	0.44 U	0.44 U
Carbazole	MG/KG	-	1.5 J	0.29 J	0.18 J	0.44 U	0.44 U
Chrysene	MG/KG	1	2.3 J	0.68	0.17 J	0.44 U	0.44 U
Dibenz(a,h)anthracene	MG/KG	0.33	0.58 UJ	0.26 U	0.24 U	0.27 U	0.27 U
Dibenzofuran	MG/KG	7	1.5 J	0.16 J	0.39 U	0.44 U	0.44 U
Diethylphthalate	MG/KG	7.1	0.96 UJ	0.42 U	0.39 U	0.44 U	0.44 U
Dimethylphthalate	MG/KG	27	0.96 UJ	0.42 U	0.39 U	0.44 U	0.44 U
Di-n-butylphthalate	MG/KG	0.014	0.96 UJ	0.42 U	0.39 U	0.44 U	0.44 U
Di-n-octylphthalate	MG/KG	100	0.96 UJ	0.42 U	0.39 U	0.44 U	0.44 U
Fluoranthene	MG/KG	100	7.6 J	1.6	0.42	0.44 U	0.44 U
Fluorene	MG/KG	30	1.8 J	0.12 J	0.39 U	0.44 U	0.44 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-03	SB-03	SB-03	SB-03	SB-03
Sample ID			SB-3 (6-8)	SB-3 (8-10)	SB-3 (10-12)	SB-3 (14-16)	SB-3 (16-18)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			6.0-8.0	8.0-10.0	10.0-12.0	14.0-16.0	16.0-18.0
Date Sampled			05/16/13	05/16/13	05/16/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
Hexachlorobenzene	MG/KG	0.33	0.96 UJ	0.42 U	0.39 U	0.44 U	0.44 U
Hexachlorobutadiene	MG/KG	-	0.96 UJ	0.42 U	0.39 U	0.44 U	0.44 U
Hexachlorocyclopentadiene	MG/KG	10	0.96 UJ	0.42 UJ	0.39 UJ	0.44 UJ	0.44 UJ
Hexachloroethane	MG/KG	-	0.96 UJ	0.42 U	0.39 U	0.44 U	0.44 U
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	0.61 J	0.22 J	0.39 U	0.44 U	0.44 U
Isophorone	MG/KG	4.4	0.96 UJ	0.42 U	0.39 U	0.44 U	0.44 U
Naphthalene	MG/KG	12	0.28 J	0.42 U	0.39 U	0.44 U	0.44 U
Nitrobenzene	MG/KG	0.17	0.96 UJ	0.42 U	0.39 U	0.44 U	0.44 U
N-Nitroso-di-n-propylamine	MG/KG	-	0.96 UJ	0.42 U	0.39 U	0.44 U	0.44 U
N-Nitrosodiphenylamine	MG/KG	20	0.96 UJ	0.42 U	0.39 U	0.44 U	0.44 U
Pentachlorophenol	MG/KG	0.8	1.5 UJ	0.64 U	0.60 U	0.67 U	0.67 U
Phenanthrene	MG/KG	100	12 J	1.3	0.39 J	0.44 U	0.44 U
Phenol	MG/KG	0.33	0.58 UJ	0.26 U	0.24 U	0.27 U	0.27 U
Pyrene	MG/KG	100	5.4 J	1.3	0.33 J	0.44 U	0.44 U
Pesticide Organic Compounds							
4,4'-DDD	MG/KG	0.0033	R	0.013 J	R	0.0020 U	0.0020 U
4,4'-DDE	MG/KG	0.0033	0.090 J	0.012	0.0079	0.0020 U	0.0020 U
4,4'-DDT	MG/KG	0.0033	0.034 NJ	R	0.0020 NJ	0.0020 U	0.0020 U
Aldrin	MG/KG	0.005	0.0070 UJ	0.0030 U	0.0030 U	0.0030 U	0.0030 U
alpha-BHC	MG/KG	0.02	0.0050 UJ	0.0020 U	0.0020 U	0.0020 U	0.0020 U
alpha-Chlordane	MG/KG	0.094	0.020 J	0.0014 J	0.0020 U	0.0020 U	0.0020 U
beta-BHC	MG/KG	0.036	0.0050 UJ	0.0020 U	0.0020 U	0.0020 U	0.0020 U
delta-BHC	MG/KG	0.04	0.0050 UJ	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Dieldrin	MG/KG	0.005	R	0.0030 U	0.0030 U	0.0030 U	0.0030 U
Dimethoate	MG/KG	-	0.096 UJ	0.042 U	0.039 U	0.044 U	0.045 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-03	SB-03	SB-03	SB-03	SB-03
Sample ID			SB-3 (6-8)	SB-3 (8-10)	SB-3 (10-12)	SB-3 (14-16)	SB-3 (16-18)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			6.0-8.0	8.0-10.0	10.0-12.0	14.0-16.0	16.0-18.0
Date Sampled			05/16/13	05/16/13	05/16/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria***					
Pesticide Organic Compounds							
Disulfoton	MG/KG	-	0.096 UJ	0.042 U	0.039 U	0.044 U	0.045 U
Endosulfan I	MG/KG	2.4	R	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Endosulfan II	MG/KG	2.4	0.010 UJ	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endosulfan sulfate	MG/KG	2.4	0.013 J	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endrin	MG/KG	0.014	0.010 UJ	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endrin aldehyde	MG/KG	-	R	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endrin ketone	MG/KG	-	0.035 J	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Famphur	MG/KG	-	0.096 UJ	0.042 U	0.039 U	0.044 U	0.045 U
gamma-BHC (Lindane)	MG/KG	0.1	R	0.0020 U	0.0020 U	0.0020 U	0.0020 U
gamma-Chlordane	MG/KG	0.54	R	R	0.0020 U	0.0020 U	0.0020 U
Heptachlor	MG/KG	0.042	0.0050 UJ	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Heptachlor epoxide	MG/KG	0.02	0.0050 UJ	R	0.0020 U	0.0020 U	0.0020 U
Methoxychlor	MG/KG	1.2	0.028 NJ	0.022 U	0.020 U	0.023 U	0.023 U
Methyl parathion	MG/KG	-	0.096 UJ	0.042 U	0.039 U	0.044 U	0.045 U
Parathion	MG/KG	1.2	0.096 UJ	0.042 U	0.039 U	0.044 U	0.045 U
Phorate	MG/KG	-	0.096 UJ	0.042 U	0.039 U	0.044 U	0.045 U
Thionazin	MG/KG	-	0.096 UJ	0.042 U	0.039 U	0.044 U	0.045 U
Toxaphene	MG/KG	-	0.50 UJ	0.22 U	0.20 U	0.23 U	0.23 U
Herbicides							
2,4,5-T	MG/KG	1.9	R	0.013 NJ	0.0099 J	0.007 U	R
2,4,5-TP (Silvex)	MG/KG	3.8	0.015 UJ	0.0059 J	0.0063 J	0.007 U	0.0076
2,4-D	MG/KG	0.5	0.029 UJ	0.013 U	R	0.013 U	0.013 U
2,4-DB	MG/KG	-	R	R	0.012 U	0.013 U	0.013 U
Dicamba	MG/KG	-	0.009 UJ	0.004 U	0.004 U	0.004 U	0.004 U
Dinoseb	MG/KG	-	R	0.005 U	0.005 U	0.005 U	0.005 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.
U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-03	SB-03	SB-03	SB-03	SB-03
Sample ID			SB-3 (6-8)	SB-3 (8-10)	SB-3 (10-12)	SB-3 (14-16)	SB-3 (16-18)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			6.0-8.0	8.0-10.0	10.0-12.0	14.0-16.0	16.0-18.0
Date Sampled			05/16/13	05/16/13	05/16/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria***					
Herbicides							
Picrolam	MG/KG	-	0.02 J	0.013 U	0.012 U	0.013 U	0.013 U
Polychlorinated Biphenyls							
Aroclor 1016	MG/KG	-	0.096 UJ	0.042 U	0.039 U	0.044 U	0.045 U
Aroclor 1221	MG/KG	-	0.20 UJ	0.085 U	0.080 U	0.090 U	0.090 U
Aroclor 1232	MG/KG	-	0.096 UJ	0.042 U	0.039 U	0.044 U	0.045 U
Aroclor 1242	MG/KG	-	0.096 UJ	0.042 U	0.039 U	0.044 U	0.045 U
Aroclor 1248	MG/KG	-	0.096 UJ	0.042 U	0.039 U	0.044 U	0.045 U
Aroclor 1254	MG/KG	-	0.096 UJ	0.042 U	0.039 U	0.044 U	0.045 U
Aroclor 1260	MG/KG	-	0.096 UJ	0.042 U	0.039 U	0.044 U	0.045 U
Total Polychlorinated Biphenyls	MG/KG	0.1	ND	ND	ND	ND	ND
Metals							
Aluminum	MG/KG	10000	NA	NA	NA	13,000	12,900
Antimony	MG/KG	12	NA	NA	NA	0.16 U	0.16 U
Arsenic	MG/KG	13	NA	NA	NA	2.1	2.4
Barium	MG/KG	350	NA	NA	NA	169 J	169 J
Beryllium	MG/KG	7.2	NA	NA	NA	0.39 U	0.45 U
Cadmium	MG/KG	2.5	NA	NA	NA	0.013 U	0.014 U
Calcium	MG/KG	10000	NA	NA	NA	18,900	18,800
Chromium	MG/KG	30	NA	NA	NA	19.9	18.5
Cobalt	MG/KG	20	NA	NA	NA	9.9	10.6
Copper	MG/KG	50	NA	NA	NA	12.8 J	11.8 J
Iron	MG/KG	2000	NA	NA	NA	25,200	25,100
Lead	MG/KG	63	NA	NA	NA	0.92 J	0.56 J
Magnesium	MG/KG	-	NA	NA	NA	8,240	7,650
Manganese	MG/KG	1600	NA	NA	NA	365	399

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-03	SB-03	SB-03	SB-03	SB-03
Sample ID			SB-3 (6-8)	SB-3 (8-10)	SB-3 (10-12)	SB-3 (14-16)	SB-3 (16-18)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			6.0-8.0	8.0-10.0	10.0-12.0	14.0-16.0	16.0-18.0
Date Sampled			05/16/13	05/16/13	05/16/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria***					
Metals							
Mercury	MG/KG	0.18	NA	NA	NA	0.030 J	0.031 J
Nickel	MG/KG	30	NA	NA	NA	13.1 J	12.7 J
Potassium	MG/KG	-	NA	NA	NA	2,220 J	2,000 J
Selenium	MG/KG	3.9	NA	NA	NA	0.31 UJ	0.31 UJ
Silver	MG/KG	2	NA	NA	NA	0.027 U	0.027 U
Sodium	MG/KG	-	NA	NA	NA	574 J	707
Thallium	MG/KG	5	NA	NA	NA	0.26 U	0.26 U
Vanadium	MG/KG	39	NA	NA	NA	37.2	33.4
Zinc	MG/KG	109	NA	NA	NA	65.4	63.7

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.
U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-03	SB-03	SB-04	SB-04	SB-04
Sample ID			SB-3 (18-20)	SB-3 (0-0.5)	SB-4 (0-2)	SB-4 (2-4)	SB-4 (4-6)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			18.0-20.0	0.0-0.5	0.0-2.0	2.0-4.0	4.0-6.0
Date Sampled			05/16/13	05/22/13	05/16/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
1,1,1-Trichloroethane	MG/KG	0.68	0.012 UJ	0.015 U	NA	0.011 UJ	0.011 UJ
1,1,2,2-Tetrachloroethane	MG/KG	0.6	0.012 UJ	0.015 U	NA	0.011 UJ	0.011 UJ
1,1,2-Trichloro-1,2,2-trifluoroethane	MG/KG	6	0.012 UJ	0.015 U	NA	0.011 UJ	0.011 UJ
1,1,2-Trichloroethane	MG/KG	-	0.012 UJ	0.015 U	NA	0.011 UJ	0.011 UJ
1,1-Dichloroethane	MG/KG	0.27	0.012 UJ	0.015 U	NA	0.011 UJ	0.011 UJ
1,1-Dichloroethene	MG/KG	0.33	0.012 UJ	0.015 U	NA	0.011 UJ	0.011 UJ
1,2,4-Trichlorobenzene	MG/KG	3.4	0.012 UJ	0.015 U	NA	0.011 UJ	0.011 UJ
1,2-Dibromo-3-chloropropane	MG/KG	-	0.012 UJ	0.015 U	NA	0.011 UJ	0.011 UJ
1,2-Dibromoethane (Ethylene dibromide)	MG/KG	-	0.012 UJ	0.015 U	NA	0.011 UJ	0.011 UJ
1,2-Dichlorobenzene	MG/KG	1.1	0.012 UJ	0.015 U	NA	0.011 UJ	0.011 UJ
1,2-Dichloroethane	MG/KG	0.02	0.012 UJ	0.015 U	NA	0.011 UJ	0.011 UJ
1,2-Dichloroethene (cis)	MG/KG	0.25	0.012 UJ	0.015 U	NA	0.011 UJ	0.011 UJ
1,2-Dichloroethene (trans)	MG/KG	0.19	0.012 UJ	0.015 U	NA	0.011 UJ	0.011 UJ
1,2-Dichloropropane	MG/KG	700	0.012 UJ	0.015 U	NA	0.011 UJ	0.011 UJ
1,3-Dichlorobenzene	MG/KG	2.4	0.012 UJ	0.015 U	NA	0.011 UJ	0.011 UJ
1,3-Dichloropropene (cis)	MG/KG	-	0.012 UJ	0.015 U	NA	0.011 UJ	0.011 UJ
1,3-Dichloropropene (trans)	MG/KG	-	0.012 UJ	0.015 U	NA	0.011 UJ	0.011 UJ
1,4-Dichlorobenzene	MG/KG	1.8	0.012 UJ	0.015 U	NA	0.011 UJ	0.011 UJ
2-Hexanone	MG/KG	-	0.012 UJ	0.015 UJ	NA	0.011 UJ	0.011 UJ
4-Methyl-2-pentanone	MG/KG	1	0.012 UJ	0.015 UJ	NA	0.011 UJ	0.011 UJ
Acetone	MG/KG	0.05	0.015 J	0.015 UJ	NA	0.011 UJ	0.011 UJ
Benzene	MG/KG	0.06	0.012 UJ	0.015 U	NA	0.011 UJ	0.011 UJ
Bromodichloromethane	MG/KG	-	0.012 UJ	0.015 U	NA	0.011 UJ	0.011 UJ
Bromoform	MG/KG	-	0.012 UJ	0.015 U	NA	0.011 UJ	0.011 UJ
Bromomethane	MG/KG	-	0.012 UJ	0.015 U	NA	0.011 UJ	0.011 UJ

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-03	SB-03	SB-04	SB-04	SB-04
Sample ID			SB-3 (18-20)	SB-3 (0-0.5)	SB-4 (0-2)	SB-4 (2-4)	SB-4 (4-6)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			18.0-20.0	0.0-0.5	0.0-2.0	2.0-4.0	4.0-6.0
Date Sampled			05/16/13	05/22/13	05/16/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
Carbon disulfide	MG/KG	2.7	0.012 UJ	0.015 U	NA	0.011 UJ	0.011 UJ
Carbon tetrachloride	MG/KG	0.76	0.012 UJ	0.015 U	NA	0.011 UJ	0.011 UJ
Chlorobenzene	MG/KG	1.1	0.012 UJ	0.015 U	NA	0.011 UJ	0.011 UJ
Chloroethane	MG/KG	1.9	0.012 UJ	0.015 U	NA	0.011 UJ	0.011 UJ
Chloroform	MG/KG	0.37	0.012 UJ	0.015 U	NA	0.011 UJ	0.011 UJ
Chloromethane	MG/KG	-	0.012 UJ	0.015 U	NA	0.011 UJ	0.011 UJ
Cyclohexane	MG/KG	-	0.012 UJ	0.015 U	NA	0.011 UJ	0.011 UJ
Dibromochloromethane	MG/KG	10	0.012 UJ	0.015 U	NA	0.011 UJ	0.011 UJ
Dichlorodifluoromethane	MG/KG	-	0.012 UJ	0.015 UJ	NA	0.011 UJ	0.011 UJ
Ethylbenzene	MG/KG	1	0.012 UJ	0.015 U	NA	0.011 UJ	0.011 UJ
Isopropylbenzene (Cumene)	MG/KG	2.3	0.012 UJ	0.015 U	NA	0.011 UJ	0.011 UJ
Methyl acetate	MG/KG	-	0.012 UJ	0.015 UJ	NA	0.011 UJ	0.011 UJ
Methyl ethyl ketone (2-Butanone)	MG/KG	0.12	0.012 UJ	0.015 UJ	NA	0.011 UJ	0.011 UJ
Methyl tert-butyl ether	MG/KG	0.93	0.012 UJ	0.015 U	NA	0.011 UJ	0.011 UJ
Methylcyclohexane	MG/KG	-	0.012 UJ	0.015 U	NA	0.011 UJ	0.011 UJ
Methylene chloride	MG/KG	0.05	0.012 UJ	0.015 U	NA	0.011 UJ	0.011 UJ
Styrene	MG/KG	300	0.012 UJ	0.015 U	NA	0.011 UJ	0.011 UJ
Tetrachloroethene	MG/KG	1.3	0.012 UJ	0.015 U	NA	0.011 UJ	0.011 UJ
Toluene	MG/KG	0.7	0.012 UJ	0.015 U	NA	0.011 UJ	0.011 UJ
Trichloroethene	MG/KG	0.47	0.012 UJ	0.015 U	NA	0.011 UJ	0.011 UJ
Trichlorofluoromethane	MG/KG	-	0.012 UJ	0.015 U	NA	0.011 UJ	0.011 UJ
Vinyl chloride	MG/KG	0.02	0.012 UJ	0.015 U	NA	0.011 UJ	0.011 UJ
Xylene (total)	MG/KG	0.26	0.012 UJ	0.015 U	NA	0.011 UJ	0.011 UJ
Semivolatile Organic Compounds							
1,1-Biphenyl	MG/KG	60	0.41 U	0.48 U	0.42 U	0.35 U	0.35 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-03	SB-03	SB-04	SB-04	SB-04
Sample ID			SB-3 (18-20)	SB-3 (0-0.5)	SB-4 (0-2)	SB-4 (2-4)	SB-4 (4-6)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			18.0-20.0	0.0-0.5	0.0-2.0	2.0-4.0	4.0-6.0
Date Sampled			05/16/13	05/22/13	05/16/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
2,2-oxybis(1-Chloropropane)	MG/KG	-	0.41 UJ	0.48 UJ	0.42 UJ	0.35 UJ	0.35 UJ
2,4,5-Trichlorophenol	MG/KG	0.1	1.0 U	1.2 U	1.1 U	0.88 U	0.88 U
2,4,6-Trichlorophenol	MG/KG	10	0.41 U	0.48 U	0.42 U	0.35 U	0.35 U
2,4-Dichlorophenol	MG/KG	0.4	0.41 U	0.48 U	0.42 U	0.35 U	0.35 U
2,4-Dimethylphenol	MG/KG	-	0.41 UJ	0.48 U	0.42 UJ	0.35 UJ	0.35 UJ
2,4-Dinitrophenol	MG/KG	0.2	1.0 U	1.2 U	1.1 U	0.88 U	0.88 U
2,4-Dinitrotoluene	MG/KG	-	0.41 U	0.48 U	0.42 U	0.35 U	0.35 U
2,6-Dinitrotoluene	MG/KG	0.17	0.41 U	0.48 U	0.42 U	0.35 U	0.35 U
2-Chloronaphthalene	MG/KG	-	0.41 U	0.48 U	0.42 U	0.35 U	0.35 U
2-Chlorophenol	MG/KG	0.8	0.41 U	0.48 U	0.42 U	0.35 U	0.35 U
2-Methylnaphthalene	MG/KG	0.41	0.41 U	0.48 U	0.42 U	0.35 U	0.35 U
2-Methylphenol (o-cresol)	MG/KG	0.33	0.25 U	0.29 U	0.26 U	0.21 U	0.21 U
2-Nitroaniline	MG/KG	0.4	1.0 U	1.2 U	1.1 U	0.88 U	0.88 U
2-Nitrophenol	MG/KG	0.3	0.41 U	0.48 U	0.42 U	0.35 U	0.35 U
3,3-Dichlorobenzidine	MG/KG	-	0.41 U	0.48 U	0.42 U	0.35 U	0.35 U
3-Nitroaniline	MG/KG	0.5	1.0 U	1.2 U	1.1 U	0.88 U	0.88 U
4,6-Dinitro-2-methylphenol	MG/KG	-	1.0 U	1.2 U	1.1 U	0.88 U	0.88 U
4-Bromophenyl-phenylether	MG/KG	-	0.41 U	0.48 U	0.42 U	0.35 U	0.35 U
4-Chloro-3-methylphenol	MG/KG	-	0.41 U	0.48 U	0.42 U	0.35 U	0.35 U
4-Chloroaniline	MG/KG	0.22	0.41 U	0.48 U	0.42 U	0.35 U	0.35 U
4-Chlorophenyl-phenylether	MG/KG	-	0.41 U	0.48 U	0.42 U	0.35 U	0.35 U
4-Methylphenol (p-cresol)	MG/KG	0.33	0.25 U	0.29 U	0.26 U	0.21 U	0.21 U
4-Nitroaniline	MG/KG	-	1.0 U	1.2 U	1.1 U	0.88 U	0.88 U
4-Nitrophenol	MG/KG	0.1	1.0 U	1.2 U	1.1 U	0.88 U	0.88 U
Acenaphthene	MG/KG	20	0.41 U	0.48 U	0.42 U	0.35 U	0.35 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-03	SB-03	SB-04	SB-04	SB-04
Sample ID			SB-3 (18-20)	SB-3 (0-0.5)	SB-4 (0-2)	SB-4 (2-4)	SB-4 (4-6)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			18.0-20.0	0.0-0.5	0.0-2.0	2.0-4.0	4.0-6.0
Date Sampled			05/16/13	05/22/13	05/16/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
Acenaphthylene	MG/KG	100	0.41 U	0.48 U	0.42 U	0.35 U	0.35 U
Acetophenone	MG/KG	-	0.41 UJ	0.48 UJ	0.42 UJ	0.35 UJ	0.35 UJ
Anthracene	MG/KG	100	0.41 U	0.48 U	0.42 U	0.35 U	0.35 U
Atrazine	MG/KG	-	0.41 U	0.48 U	0.42 U	0.35 U	0.35 U
Benzaldehyde	MG/KG	-	0.41 UJ	0.48 UJ	0.12 J	0.35 UJ	0.35 UJ
Benzo(a)anthracene	MG/KG	1	0.41 U	0.48 U	0.42 U	0.35 U	0.35 U
Benzo(a)pyrene	MG/KG	1	0.41 U	0.48 U	0.42 U	0.35 U	0.35 U
Benzo(b)fluoranthene	MG/KG	1	0.41 U	0.48 U	0.42 U	0.35 U	0.35 U
Benzo(g,h,i)perylene	MG/KG	100	0.41 U	0.48 U	0.42 U	0.35 U	0.35 U
Benzo(k)fluoranthene	MG/KG	0.8	0.41 U	0.48 U	0.42 U	0.35 U	0.35 U
bis(2-Chloroethoxy)methane	MG/KG	-	0.41 U	0.48 U	0.42 U	0.35 U	0.35 U
bis(2-Chloroethyl)ether	MG/KG	-	0.41 U	0.48 U	0.42 U	0.35 U	0.35 U
bis(2-Ethylhexyl)phthalate	MG/KG	50	0.41 U	0.48 U	0.42 U	0.35 U	0.35 U
Butylbenzylphthalate	MG/KG	100	0.41 U	0.48 U	0.42 U	0.35 U	0.35 U
Caprolactam	MG/KG	-	0.41 U	0.48 U	0.42 U	0.35 U	0.35 U
Carbazole	MG/KG	-	0.41 U	0.48 U	0.42 U	0.35 U	0.13 J
Chrysene	MG/KG	1	0.41 U	0.48 U	0.42 U	0.35 U	0.35 U
Dibenz(a,h)anthracene	MG/KG	0.33	0.25 U	0.29 U	0.26 U	0.21 U	0.21 U
Dibenzofuran	MG/KG	7	0.41 U	0.48 U	0.42 U	0.35 U	0.35 U
Diethylphthalate	MG/KG	7.1	0.41 U	0.48 U	0.42 U	0.35 U	0.35 U
Dimethylphthalate	MG/KG	27	0.41 U	0.48 U	0.42 U	0.35 U	0.35 U
Di-n-butylphthalate	MG/KG	0.014	0.41 U	0.48 U	0.42 U	0.35 U	0.35 U
Di-n-octylphthalate	MG/KG	100	0.41 U	0.48 U	0.42 U	0.35 U	0.35 U
Fluoranthene	MG/KG	100	0.41 U	0.48 U	0.42 U	0.35 U	0.090 J
Fluorene	MG/KG	30	0.41 U	0.48 U	0.42 U	0.35 U	0.35 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-03	SB-03	SB-04	SB-04	SB-04
Sample ID			SB-3 (18-20)	SB-3 (0-0.5)	SB-4 (0-2)	SB-4 (2-4)	SB-4 (4-6)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			18.0-20.0	0.0-0.5	0.0-2.0	2.0-4.0	4.0-6.0
Date Sampled			05/16/13	05/22/13	05/16/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
Hexachlorobenzene	MG/KG	0.33	0.41 U	0.48 U	0.42 U	0.35 U	0.35 U
Hexachlorobutadiene	MG/KG	-	0.41 U	0.48 U	0.42 U	0.35 U	0.35 U
Hexachlorocyclopentadiene	MG/KG	10	0.41 UJ	0.48 UJ	0.42 UJ	0.35 UJ	0.35 UJ
Hexachloroethane	MG/KG	-	0.41 U	0.48 U	0.42 U	0.35 U	0.35 U
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	0.41 U	0.48 U	0.42 U	0.35 U	0.35 U
Isophorone	MG/KG	4.4	0.41 U	0.48 U	0.42 U	0.35 U	0.35 U
Naphthalene	MG/KG	12	0.41 U	0.48 U	0.42 U	0.35 U	0.35 U
Nitrobenzene	MG/KG	0.17	0.41 U	0.48 U	0.42 U	0.35 U	0.35 U
N-Nitroso-di-n-propylamine	MG/KG	-	0.41 U	0.48 UJ	0.42 U	0.35 U	0.35 U
N-Nitrosodiphenylamine	MG/KG	20	0.41 U	0.48 U	0.42 U	0.35 U	0.35 U
Pentachlorophenol	MG/KG	0.8	0.62 U	0.73 U	0.64 U	0.53 U	0.53 U
Phenanthrene	MG/KG	100	0.41 U	0.48 U	0.42 U	0.35 U	0.35 U
Phenol	MG/KG	0.33	0.25 U	0.29 U	0.26 U	0.21 U	0.21 U
Pyrene	MG/KG	100	0.41 U	0.48 U	0.42 U	0.35 U	0.077 J
Pesticide Organic Compounds							
4,4'-DDD	MG/KG	0.0033	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0031 NJ
4,4'-DDE	MG/KG	0.0033	0.0020 U	0.0020 U	0.0023	0.0052	0.0067
4,4'-DDT	MG/KG	0.0033	0.0020 U	0.0020 U	0.0020 J	0.0059	0.0066
Aldrin	MG/KG	0.005	0.0030 U	0.0040 U	0.0030 U	0.0030 U	0.0030 U
alpha-BHC	MG/KG	0.02	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
alpha-Chlordane	MG/KG	0.094	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0017 J
beta-BHC	MG/KG	0.036	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
delta-BHC	MG/KG	0.04	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Dieldrin	MG/KG	0.005	0.0030 U	0.0040 U	0.0030 U	0.0030 U	0.0029 J
Dimethoate	MG/KG	-	0.041 U	0.047 U	0.042 U	0.035 U	0.035 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-03	SB-03	SB-04	SB-04	SB-04
Sample ID			SB-3 (18-20)	SB-3 (0-0.5)	SB-4 (0-2)	SB-4 (2-4)	SB-4 (4-6)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			18.0-20.0	0.0-0.5	0.0-2.0	2.0-4.0	4.0-6.0
Date Sampled			05/16/13	05/22/13	05/16/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria***					
Pesticide Organic Compounds							
Disulfoton	MG/KG	-	0.041 U	0.047 U	0.042 U	0.035 U	0.035 U
Endosulfan I	MG/KG	2.4	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Endosulfan II	MG/KG	2.4	0.0040 U	0.0050 U	0.0040 U	0.0030 U	0.0030 U
Endosulfan sulfate	MG/KG	2.4	0.0040 U	0.0050 U	0.0040 U	0.0030 U	0.0030 U
Endrin	MG/KG	0.014	0.0040 U	0.0050 U	0.0040 U	0.0030 U	0.0030 U
Endrin aldehyde	MG/KG	-	0.0040 U	0.0050 U	0.0040 U	0.0030 U	0.0030 U
Endrin ketone	MG/KG	-	0.0040 U	0.0050 U	0.0040 U	0.0030 U	0.0030 U
Famphur	MG/KG	-	0.041 U	0.047 U	0.042 U	0.035 U	0.035 U
gamma-BHC (Lindane)	MG/KG	0.1	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
gamma-Chlordane	MG/KG	0.54	0.0020 U	0.0020 U	0.0020 U	0.0020 U	R
Heptachlor	MG/KG	0.042	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Heptachlor epoxide	MG/KG	0.02	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Methoxychlor	MG/KG	1.2	0.021 U	0.025 U	0.022 U	0.018 U	0.018 U
Methyl parathion	MG/KG	-	0.041 U	0.047 U	0.042 U	0.035 U	0.035 U
Parathion	MG/KG	1.2	0.041 U	0.047 U	0.042 U	0.035 U	0.035 U
Phorate	MG/KG	-	0.041 U	0.047 U	0.042 U	0.035 U	0.035 U
Thionazin	MG/KG	-	0.041 U	0.047 U	0.042 U	0.035 U	0.035 U
Toxaphene	MG/KG	-	0.21 U	0.25 U	0.22 U	0.18 U	0.18 U
Herbicides							
2,4,5-T	MG/KG	1.9	0.006 U	0.007 U	0.006 U	0.005 U	0.005 U
2,4,5-TP (Silvex)	MG/KG	3.8	0.006 U	0.007 U	0.006 U	0.005 U	0.005 U
2,4-D	MG/KG	0.5	0.012 U	0.014 U	0.013 U	0.019 J	0.011 U
2,4-DB	MG/KG	-	0.012 U	0.019	0.013	0.011 NJ	0.011 U
Dicamba	MG/KG	-	0.004 U	0.004 U	0.004 U	0.003 U	0.003 U
Dinoseb	MG/KG	-	0.005 U	0.006 U	0.005 U	0.004 U	0.004 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-03	SB-03	SB-04	SB-04	SB-04
Sample ID			SB-3 (18-20)	SB-3 (0-0.5)	SB-4 (0-2)	SB-4 (2-4)	SB-4 (4-6)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			18.0-20.0	0.0-0.5	0.0-2.0	2.0-4.0	4.0-6.0
Date Sampled			05/16/13	05/22/13	05/16/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria***					
Herbicides							
Picrolam	MG/KG	-	0.012 U	0.014 UJ	0.013 U	0.011 U	0.011 UJ
Polychlorinated Biphenyls							
Aroclor 1016	MG/KG	-	0.041 U	0.048 U	0.042 U	0.035 U	0.035 U
Aroclor 1221	MG/KG	-	0.083 U	0.098 U	0.086 U	0.071 U	0.071 U
Aroclor 1232	MG/KG	-	0.041 U	0.048 U	0.042 U	0.035 U	0.035 U
Aroclor 1242	MG/KG	-	0.041 U	0.048 U	0.042 U	0.035 U	0.035 U
Aroclor 1248	MG/KG	-	0.041 U	0.048 U	0.042 U	0.035 U	0.035 U
Aroclor 1254	MG/KG	-	0.041 U	0.048 U	0.042 U	0.035 U	0.035 U
Aroclor 1260	MG/KG	-	0.041 U	0.048 U	0.042 U	0.035 U	0.035 U
Total Polychlorinated Biphenyls	MG/KG	0.1	ND	ND	ND	ND	ND
Metals							
Aluminum	MG/KG	10000	8,260	8,970	NA	6,710	5,160
Antimony	MG/KG	12	0.15 U	0.51 J	NA	0.13 U	0.13 U
Arsenic	MG/KG	13	1.7	2.8	NA	1.4	1.0 J
Barium	MG/KG	350	113 J	28.0 J	NA	17.8 J	23.4 J
Beryllium	MG/KG	7.2	0.20 U	0.41 J	NA	0.21 U	0.15 J
Cadmium	MG/KG	2.5	0.012 U	0.015 U	NA	0.011 U	0.011 U
Calcium	MG/KG	10000	15,300	1,500	NA	1,250	1,510
Chromium	MG/KG	30	13.9	14.0	NA	5.4	5.3
Cobalt	MG/KG	20	7.7	4.9 J	NA	3.0 J	2.9 J
Copper	MG/KG	50	7.0 J	8.3	NA	4.0 J	4.8 J
Iron	MG/KG	2000	18,300	14,400	NA	8,650	7,310
Lead	MG/KG	63	0.12 UJ	25.6	NA	15.7 J	29.7 J
Magnesium	MG/KG	-	6,160	2,360	NA	1,250	1,290
Manganese	MG/KG	1600	235	167	NA	101	69.1

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-03	SB-03	SB-04	SB-04	SB-04
Sample ID			SB-3 (18-20)	SB-3 (0-0.5)	SB-4 (0-2)	SB-4 (2-4)	SB-4 (4-6)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			18.0-20.0	0.0-0.5	0.0-2.0	2.0-4.0	4.0-6.0
Date Sampled			05/16/13	05/22/13	05/16/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria***					
Metals							
Mercury	MG/KG	0.18	0.021 U	0.024 U	NA	0.039	0.053
Nickel	MG/KG	30	8.7 J	10.1	NA	4.4 J	3.5 UJ
Potassium	MG/KG	-	1,240 J	553 J	NA	135 U	183 U
Selenium	MG/KG	3.9	0.29 UJ	0.34 U	NA	0.24 UJ	0.25 UJ
Silver	MG/KG	2	0.025 U	0.029 U	NA	0.021 U	0.021 U
Sodium	MG/KG	-	468 J	184 U	NA	134 U	134 U
Thallium	MG/KG	5	0.24 U	0.28 U	NA	0.20 U	0.20 U
Vanadium	MG/KG	39	31.0	17.7	NA	10.6	9.3
Zinc	MG/KG	109	41.8	40.8	NA	30.9	53.6

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.
U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-04	SB-04	SB-04	SB-04	SB-04
Sample ID			SB-4 (6-8)	SB-4 (8-10)	SB-4 (10-12)	SB-4 (12-14)	SB-4 (14-16)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			6.0-8.0	8.0-10.0	10.0-12.0	12.0-14.0	14.0-16.0
Date Sampled			05/16/13	05/16/13	05/16/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
1,1,1-Trichloroethane	MG/KG	0.68	0.011 UJ	0.013 UJ	NA	0.013 UJ	0.012 UJ
1,1,2,2-Tetrachloroethane	MG/KG	0.6	0.011 UJ	0.013 UJ	NA	0.013 UJ	0.012 UJ
1,1,2-Trichloro-1,2,2-trifluoroethane	MG/KG	6	0.011 UJ	0.013 UJ	NA	0.013 UJ	0.012 UJ
1,1,2-Trichloroethane	MG/KG	-	0.011 UJ	0.013 UJ	NA	0.013 UJ	0.012 UJ
1,1-Dichloroethane	MG/KG	0.27	0.011 UJ	0.013 UJ	NA	0.013 UJ	0.012 UJ
1,1-Dichloroethene	MG/KG	0.33	0.011 UJ	0.013 UJ	NA	0.013 UJ	0.012 UJ
1,2,4-Trichlorobenzene	MG/KG	3.4	0.011 UJ	0.013 UJ	NA	0.013 UJ	0.012 UJ
1,2-Dibromo-3-chloropropane	MG/KG	-	0.011 UJ	0.013 UJ	NA	0.013 UJ	0.012 UJ
1,2-Dibromoethane (Ethylene dibromide)	MG/KG	-	0.011 UJ	0.013 UJ	NA	0.013 UJ	0.012 UJ
1,2-Dichlorobenzene	MG/KG	1.1	0.011 UJ	0.013 UJ	NA	0.013 UJ	0.012 UJ
1,2-Dichloroethane	MG/KG	0.02	0.011 UJ	0.013 UJ	NA	0.013 UJ	0.012 UJ
1,2-Dichloroethene (cis)	MG/KG	0.25	0.011 UJ	0.013 UJ	NA	0.013 UJ	0.012 UJ
1,2-Dichloroethene (trans)	MG/KG	0.19	0.011 UJ	0.013 UJ	NA	0.013 UJ	0.012 UJ
1,2-Dichloropropane	MG/KG	700	0.011 UJ	0.013 UJ	NA	0.013 UJ	0.012 UJ
1,3-Dichlorobenzene	MG/KG	2.4	0.011 UJ	0.013 UJ	NA	0.013 UJ	0.012 UJ
1,3-Dichloropropene (cis)	MG/KG	-	0.011 UJ	0.013 UJ	NA	0.013 UJ	0.012 UJ
1,3-Dichloropropene (trans)	MG/KG	-	0.011 UJ	0.013 UJ	NA	0.013 UJ	0.012 UJ
1,4-Dichlorobenzene	MG/KG	1.8	0.011 UJ	0.013 UJ	NA	0.013 UJ	0.012 UJ
2-Hexanone	MG/KG	-	0.011 UJ	0.013 UJ	NA	0.013 UJ	0.012 UJ
4-Methyl-2-pentanone	MG/KG	1	0.011 UJ	0.013 UJ	NA	0.013 UJ	0.012 UJ
Acetone	MG/KG	0.05	0.011 UJ	0.013 UJ	NA	0.028 J	0.039 J
Benzene	MG/KG	0.06	0.011 UJ	0.013 UJ	NA	0.013 UJ	0.012 UJ
Bromodichloromethane	MG/KG	-	0.011 UJ	0.013 UJ	NA	0.013 UJ	0.012 UJ
Bromoform	MG/KG	-	0.011 UJ	0.013 UJ	NA	0.013 UJ	0.012 UJ
Bromomethane	MG/KG	-	0.011 UJ	0.013 UJ	NA	0.013 UJ	0.012 UJ

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-04	SB-04	SB-04	SB-04	SB-04
Sample ID			SB-4 (6-8)	SB-4 (8-10)	SB-4 (10-12)	SB-4 (12-14)	SB-4 (14-16)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			6.0-8.0	8.0-10.0	10.0-12.0	12.0-14.0	14.0-16.0
Date Sampled			05/16/13	05/16/13	05/16/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
Carbon disulfide	MG/KG	2.7	0.011 UJ	0.013 UJ	NA	0.013 UJ	0.012 UJ
Carbon tetrachloride	MG/KG	0.76	0.011 UJ	0.013 UJ	NA	0.013 UJ	0.012 UJ
Chlorobenzene	MG/KG	1.1	0.011 UJ	0.013 UJ	NA	0.013 UJ	0.012 UJ
Chloroethane	MG/KG	1.9	0.011 UJ	0.013 UJ	NA	0.013 UJ	0.012 UJ
Chloroform	MG/KG	0.37	0.011 UJ	0.013 UJ	NA	0.013 UJ	0.012 UJ
Chloromethane	MG/KG	-	0.011 UJ	0.013 UJ	NA	0.013 UJ	0.012 UJ
Cyclohexane	MG/KG	-	0.011 UJ	0.013 UJ	NA	0.013 UJ	0.012 UJ
Dibromochloromethane	MG/KG	10	0.011 UJ	0.013 UJ	NA	0.013 UJ	0.012 UJ
Dichlorodifluoromethane	MG/KG	-	0.011 UJ	0.013 UJ	NA	0.013 UJ	0.012 UJ
Ethylbenzene	MG/KG	1	0.011 UJ	0.013 UJ	NA	0.013 UJ	0.012 UJ
Isopropylbenzene (Cumene)	MG/KG	2.3	0.011 UJ	0.013 UJ	NA	0.013 UJ	0.012 UJ
Methyl acetate	MG/KG	-	0.011 UJ	0.013 UJ	NA	0.013 UJ	0.012 UJ
Methyl ethyl ketone (2-Butanone)	MG/KG	0.12	0.011 UJ	0.013 UJ	NA	0.013 UJ	0.0090 J
Methyl tert-butyl ether	MG/KG	0.93	0.011 UJ	0.013 UJ	NA	0.013 UJ	0.012 UJ
Methylcyclohexane	MG/KG	-	0.011 UJ	0.013 UJ	NA	0.013 UJ	0.012 UJ
Methylene chloride	MG/KG	0.05	0.011 UJ	0.013 UJ	NA	0.013 UJ	0.012 UJ
Styrene	MG/KG	300	0.011 UJ	0.013 UJ	NA	0.013 UJ	0.012 UJ
Tetrachloroethene	MG/KG	1.3	0.011 UJ	0.013 UJ	NA	0.013 UJ	0.012 UJ
Toluene	MG/KG	0.7	0.011 UJ	0.013 UJ	NA	0.013 UJ	0.012 UJ
Trichloroethene	MG/KG	0.47	0.011 UJ	0.013 UJ	NA	0.013 UJ	0.012 UJ
Trichlorofluoromethane	MG/KG	-	0.011 UJ	0.013 UJ	NA	0.013 UJ	0.012 UJ
Vinyl chloride	MG/KG	0.02	0.011 UJ	0.013 UJ	NA	0.013 UJ	0.012 UJ
Xylene (total)	MG/KG	0.26	0.011 UJ	0.013 UJ	NA	0.013 UJ	0.012 UJ
Semivolatile Organic Compounds							
1,1-Biphenyl	MG/KG	60	0.27 J	0.23 J	0.41 U	0.42 U	0.41 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-04	SB-04	SB-04	SB-04	SB-04
Sample ID			SB-4 (6-8)	SB-4 (8-10)	SB-4 (10-12)	SB-4 (12-14)	SB-4 (14-16)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			6.0-8.0	8.0-10.0	10.0-12.0	12.0-14.0	14.0-16.0
Date Sampled			05/16/13	05/16/13	05/16/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
2,2-oxybis(1-Chloropropane)	MG/KG	-	0.38 UJ	0.42 UJ	0.41 UJ	0.42 UJ	0.41 UJ
2,4,5-Trichlorophenol	MG/KG	0.1	0.94 U	1.0 U	1.0 U	1.1 U	1.0 U
2,4,6-Trichlorophenol	MG/KG	10	0.38 U	0.42 U	0.41 U	0.42 U	0.41 U
2,4-Dichlorophenol	MG/KG	0.4	0.38 U	0.42 U	0.41 U	0.42 U	0.41 U
2,4-Dimethylphenol	MG/KG	-	0.38 UJ	0.42 UJ	0.41 UJ	0.42 UJ	0.41 UJ
2,4-Dinitrophenol	MG/KG	0.2	0.94 U	1.0 U	1.0 U	1.1 U	1.0 U
2,4-Dinitrotoluene	MG/KG	-	0.38 U	0.42 U	0.41 U	0.42 U	0.41 U
2,6-Dinitrotoluene	MG/KG	0.17	0.38 U	0.42 U	0.41 U	0.42 U	0.41 U
2-Chloronaphthalene	MG/KG	-	0.38 U	0.42 U	0.41 U	0.42 U	0.41 U
2-Chlorophenol	MG/KG	0.8	0.38 U	0.42 U	0.41 U	0.42 U	0.41 U
2-Methylnaphthalene	MG/KG	0.41	3.2	2.9	0.65	0.42 U	0.41 U
2-Methylphenol (o-cresol)	MG/KG	0.33	0.23 U	0.25 U	0.25 U	0.26 U	0.25 U
2-Nitroaniline	MG/KG	0.4	0.94 U	1.0 U	1.0 U	1.1 U	1.0 U
2-Nitrophenol	MG/KG	0.3	0.38 U	0.42 U	0.41 U	0.42 U	0.41 U
3,3-Dichlorobenzidine	MG/KG	-	0.38 UJ	0.42 U	0.41 U	0.42 U	0.41 U
3-Nitroaniline	MG/KG	0.5	0.94 U	1.0 U	1.0 U	1.1 U	1.0 U
4,6-Dinitro-2-methylphenol	MG/KG	-	0.94 U	1.0 U	1.0 U	1.1 U	1.0 U
4-Bromophenyl-phenylether	MG/KG	-	0.38 U	0.42 U	0.41 U	0.42 U	0.41 U
4-Chloro-3-methylphenol	MG/KG	-	0.38 U	0.42 U	0.41 U	0.42 U	0.41 U
4-Chloroaniline	MG/KG	0.22	0.38 U	0.42 U	0.41 U	0.42 U	0.41 U
4-Chlorophenyl-phenylether	MG/KG	-	0.38 U	0.42 U	0.41 U	0.42 U	0.41 U
4-Methylphenol (p-cresol)	MG/KG	0.33	1.4	2.7	0.57	0.26 U	0.25 U
4-Nitroaniline	MG/KG	-	0.94 U	1.0 U	1.0 U	1.1 U	1.0 U
4-Nitrophenol	MG/KG	0.1	0.94 U	1.0 U	1.0 U	1.1 U	1.0 U
Acenaphthene	MG/KG	20	0.61	0.53	0.25 J	0.42 U	0.41 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-04	SB-04	SB-04	SB-04	SB-04
Sample ID			SB-4 (6-8)	SB-4 (8-10)	SB-4 (10-12)	SB-4 (12-14)	SB-4 (14-16)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			6.0-8.0	8.0-10.0	10.0-12.0	12.0-14.0	14.0-16.0
Date Sampled			05/16/13	05/16/13	05/16/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
Acenaphthylene	MG/KG	100	0.27 J	0.56	0.41 U	0.42 U	0.41 U
Acetophenone	MG/KG	-	0.13 J	0.13 J	0.41 UJ	0.42 UJ	0.41 UJ
Anthracene	MG/KG	100	0.53	0.75	0.18 J	0.42 U	0.41 U
Atrazine	MG/KG	-	0.38 U	0.42 U	0.41 U	0.42 U	0.41 U
Benzaldehyde	MG/KG	-	0.84 J	0.54 J	0.50 J	0.42 UJ	0.41 UJ
Benzo(a)anthracene	MG/KG	1	1.6 J	3.1	0.37 J	0.42 U	0.41 U
Benzo(a)pyrene	MG/KG	1	1.4 J	2.9 J	0.31 J	0.42 U	0.41 U
Benzo(b)fluoranthene	MG/KG	1	3.3 J	6.2 J	0.65	0.42 U	0.41 U
Benzo(g,h,i)perylene	MG/KG	100	1.0 J	1.8 J	0.17 J	0.42 U	0.41 U
Benzo(k)fluoranthene	MG/KG	0.8	0.86 J	2.8 J	0.31 J	0.42 U	0.41 U
bis(2-Chloroethoxy)methane	MG/KG	-	0.38 U	0.42 U	0.41 U	0.42 U	0.41 U
bis(2-Chloroethyl)ether	MG/KG	-	0.38 U	0.42 U	0.41 U	0.42 U	0.41 U
bis(2-Ethylhexyl)phthalate	MG/KG	50	0.52 J	0.42 U	0.71	0.42 U	0.41 U
Butylbenzylphthalate	MG/KG	100	0.38 UJ	0.42 U	0.41 U	0.42 U	0.41 U
Caprolactam	MG/KG	-	0.38 U	0.42 U	0.41 U	0.42 U	0.41 U
Carbazole	MG/KG	-	0.45	0.82	0.26 J	0.42 U	0.41 U
Chrysene	MG/KG	1	3.3	5.6	0.69	0.42 U	0.41 U
Dibenz(a,h)anthracene	MG/KG	0.33	0.31 J	0.54 J	0.25 U	0.26 U	0.25 U
Dibenzofuran	MG/KG	7	0.68	0.60	0.16 J	0.42 U	0.41 U
Diethylphthalate	MG/KG	7.1	0.38 U	0.42 U	0.41 U	0.42 U	0.41 U
Dimethylphthalate	MG/KG	27	0.38 U	0.42 U	0.41 U	0.42 U	0.41 U
Di-n-butylphthalate	MG/KG	0.014	0.38 U	0.42 U	0.41 U	0.42 U	0.41 U
Di-n-octylphthalate	MG/KG	100	0.38 UJ	0.42 UJ	0.41 U	0.42 U	0.41 U
Fluoranthene	MG/KG	100	4.9	13 D	1.5	0.42 U	0.41 U
Fluorene	MG/KG	30	0.67	0.65	0.21 J	0.42 U	0.41 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.
U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-04	SB-04	SB-04	SB-04	SB-04
Sample ID			SB-4 (6-8)	SB-4 (8-10)	SB-4 (10-12)	SB-4 (12-14)	SB-4 (14-16)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			6.0-8.0	8.0-10.0	10.0-12.0	12.0-14.0	14.0-16.0
Date Sampled			05/16/13	05/16/13	05/16/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
Hexachlorobenzene	MG/KG	0.33	0.38 U	0.42 U	0.41 U	0.42 U	0.41 U
Hexachlorobutadiene	MG/KG	-	0.38 U	0.42 U	0.41 U	0.42 U	0.41 U
Hexachlorocyclopentadiene	MG/KG	10	0.38 UJ	0.42 UJ	0.41 UJ	0.42 UJ	0.41 UJ
Hexachloroethane	MG/KG	-	0.38 U	0.42 U	0.41 U	0.42 U	0.41 U
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	0.89 J	1.7 J	0.14 J	0.42 U	0.41 U
Isophorone	MG/KG	4.4	0.38 U	0.42 U	0.41 U	0.42 U	0.41 U
Naphthalene	MG/KG	12	4.9	3.7	0.79	0.42 U	0.41 U
Nitrobenzene	MG/KG	0.17	0.38 U	0.42 U	0.41 U	0.42 U	0.41 U
N-Nitroso-di-n-propylamine	MG/KG	-	0.38 U	0.42 U	0.41 U	0.42 U	0.41 U
N-Nitrosodiphenylamine	MG/KG	20	0.38 U	0.42 U	0.41 U	0.42 U	0.41 U
Pentachlorophenol	MG/KG	0.8	0.57 U	0.63 U	0.62 U	0.64 U	0.62 U
Phenanthrene	MG/KG	100	3.7	8.0 D	1.2	0.42 U	0.41 U
Phenol	MG/KG	0.33	0.20 J	0.81	0.18 J	0.26 U	0.25 U
Pyrene	MG/KG	100	8.1 D	12 D	1.3	0.42 U	0.41 U
Pesticide Organic Compounds							
4,4'-DDD	MG/KG	0.0033	0.30 DJ	0.91 DJ	0.17 D	0.0020 U	0.0020 U
4,4'-DDE	MG/KG	0.0033	0.044 J	0.10 D	0.043 J	0.0014 J	0.0020 U
4,4'-DDT	MG/KG	0.0033	0.010 NJ	0.045 J	0.012 J	0.0020 U	0.0020 U
Aldrin	MG/KG	0.005	0.0072 J	0.68 D	0.022 J	0.0030 U	0.0030 U
alpha-BHC	MG/KG	0.02	0.0022 J	0.0038 J	0.0012 J	0.0017 NJ	0.0020 U
alpha-Chlordane	MG/KG	0.094	0.012 J	0.015 NJ	0.0044 J	0.0020 U	0.0020 U
beta-BHC	MG/KG	0.036	0.0020 U	0.0020 U	0.0020 U	R	0.0020 U
delta-BHC	MG/KG	0.04	0.0016 NJ	0.0070 J	0.0020 U	0.0020 U	0.0020 U
Dieldrin	MG/KG	0.005	0.79 DJ	1.3 DJ	0.33 D	0.0018 NJ	0.0030 U
Dimethoate	MG/KG	-	R	0.042 U	0.041 U	0.042 U	0.041 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-04	SB-04	SB-04	SB-04	SB-04
Sample ID			SB-4 (6-8)	SB-4 (8-10)	SB-4 (10-12)	SB-4 (12-14)	SB-4 (14-16)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			6.0-8.0	8.0-10.0	10.0-12.0	12.0-14.0	14.0-16.0
Date Sampled			05/16/13	05/16/13	05/16/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria***					
Pesticide Organic Compounds							
Disulfoton	MG/KG	-	0.038 U	0.042 U	0.041 U	0.042 U	0.041 U
Endosulfan I	MG/KG	2.4	R	R	0.0020 U	0.0020 U	0.0020 U
Endosulfan II	MG/KG	2.4	0.0026 J	0.0040 U	R	0.0040 U	0.0040 U
Endosulfan sulfate	MG/KG	2.4	R	R	0.0040 U	0.0040 U	0.0040 U
Endrin	MG/KG	0.014	0.0059 J	0.019 NJ	0.0040 U	0.0040 U	0.0040 U
Endrin aldehyde	MG/KG	-	0.0040 U	R	0.0031 NJ	0.0040 U	0.0040 U
Endrin ketone	MG/KG	-	0.15 DJ	0.050 DNJ	0.044 NJ	0.0040 U	0.0040 U
Famphur	MG/KG	-	0.038 U	0.042 U	0.041 U	0.042 U	0.041 U
gamma-BHC (Lindane)	MG/KG	0.1	0.0020 U	0.0020 U	R	0.0020 U	0.0020 U
gamma-Chlordane	MG/KG	0.54	R	0.026 NJ	R	0.0020 U	0.0020 U
Heptachlor	MG/KG	0.042	0.0020 U	0.0018 J	0.0020 U	0.0022 NJ	0.0020 U
Heptachlor epoxide	MG/KG	0.02	0.0030 NJ	R	0.0040 J	0.0020 U	0.0020 U
Methoxychlor	MG/KG	1.2	0.027 NJ	0.061 J	0.021 U	0.022 U	0.021 U
Methyl parathion	MG/KG	-	0.038 U	0.042 U	0.041 U	0.042 U	0.041 U
Parathion	MG/KG	1.2	0.038 U	0.042 U	0.041 U	0.042 U	0.041 U
Phorate	MG/KG	-	0.038 U	0.042 U	0.041 U	0.042 U	0.041 U
Thionazin	MG/KG	-	0.038 U	0.042 U	0.041 U	0.042 U	0.041 U
Toxaphene	MG/KG	-	0.19 U	0.21 U	0.21 U	0.22 U	0.21 U
Herbicides							
2,4,5-T	MG/KG	1.9	0.006 U	0.006 U	0.006 U	R	0.006 U
2,4,5-TP (Silvex)	MG/KG	3.8	R	0.006 U	0.006 U	0.006 U	0.0062 J
2,4-D	MG/KG	0.5	R	0.013 U	0.012 U	R	0.012 U
2,4-DB	MG/KG	-	0.011 U	0.013 U	0.012 U	0.013 U	R
Dicamba	MG/KG	-	0.003 U	0.004 U	0.004 U	0.004 U	0.004 U
Dinoseb	MG/KG	-	0.005 U	0.005 U	0.005 U	0.0037 NJ	0.0029 J

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

(oval) Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-04	SB-04	SB-04	SB-04	SB-04
Sample ID			SB-4 (6-8)	SB-4 (8-10)	SB-4 (10-12)	SB-4 (12-14)	SB-4 (14-16)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			6.0-8.0	8.0-10.0	10.0-12.0	12.0-14.0	14.0-16.0
Date Sampled			05/16/13	05/16/13	05/16/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria***					
Herbicides							
Picrolam	MG/KG	-	0.011 U	0.013 U	0.012 UJ	0.013 UJ	0.012 UJ
Polychlorinated Biphenyls							
Aroclor 1016	MG/KG	-	0.038 U	0.042 U	0.041 U	0.043 U	0.041 U
Aroclor 1221	MG/KG	-	0.076 U	0.085 U	0.083 U	0.086 U	0.083 U
Aroclor 1232	MG/KG	-	0.038 U	0.042 U	0.041 U	0.043 U	0.041 U
Aroclor 1242	MG/KG	-	0.038 U	0.042 U	0.041 U	0.043 U	0.041 U
Aroclor 1248	MG/KG	-	0.038 U	0.042 U	0.041 U	0.043 U	0.041 U
Aroclor 1254	MG/KG	-	0.038 U	0.042 U	0.041 U	0.043 U	0.041 U
Aroclor 1260	MG/KG	-	0.038 U	0.042 U	0.041 U	0.043 U	0.041 U
Total Polychlorinated Biphenyls	MG/KG	0.1	ND	ND	ND	ND	ND
Metals							
Aluminum	MG/KG	10000	3,470	7,510	NA	11,000	12,400
Antimony	MG/KG	12	0.14 U	0.15 U	NA	0.15 U	0.15 U
Arsenic	MG/KG	13	1.1 J	5.7	NA	2.5	2.7
Barium	MG/KG	350	23.5 J	31.4 J	NA	57.5 J	72.8 J
Beryllium	MG/KG	7.2	0.11 J	0.27 J	NA	0.36 J	0.46 J
Cadmium	MG/KG	2.5	0.011 U	0.013 U	NA	0.013 U	0.012 U
Calcium	MG/KG	10000	716	14,800	NA	4,290	22,700
Chromium	MG/KG	30	3.3	12.6	NA	16.9	20.2
Cobalt	MG/KG	20	1.7 J	4.4 J	NA	9.4	11.3
Copper	MG/KG	50	3.2 J	9.7 J	NA	10.9 J	14.6 J
Iron	MG/KG	2000	4,540	11,100	NA	22,500	25,300
Lead	MG/KG	63	13.6 J	58.3 J	NA	0.77 J	1.0 J
Magnesium	MG/KG	-	793	7,130	NA	3,600	8,140
Manganese	MG/KG	1600	28.8	182	NA	184	518

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-04	SB-04	SB-04	SB-04	SB-04
Sample ID			SB-4 (6-8)	SB-4 (8-10)	SB-4 (10-12)	SB-4 (12-14)	SB-4 (14-16)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			6.0-8.0	8.0-10.0	10.0-12.0	12.0-14.0	14.0-16.0
Date Sampled			05/16/13	05/16/13	05/16/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria***					
Metals							
Mercury	MG/KG	0.18	0.056	0.11	NA	0.022 U	0.036 J
Nickel	MG/KG	30	3.3 UJ	7.4 J	NA	11.8 J	15.4 J
Potassium	MG/KG	-	5.6 U	553 U	NA	1,900 J	2,570 J
Selenium	MG/KG	3.9	0.26 UJ	0.29 UJ	NA	0.30 UJ	0.29 UJ
Silver	MG/KG	2	0.023 U	0.025 U	NA	0.026 U	0.025 U
Sodium	MG/KG	-	144 U	160 U	NA	504 J	501 J
Thallium	MG/KG	5	0.22 U	0.24 U	NA	0.25 U	0.24 U
Vanadium	MG/KG	39	5.6 J	15.8	NA	32.1	32.4
Zinc	MG/KG	109	34.5	58.5	NA	55.8	63.7

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.
U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-04	SB-04	SB-04	SB-05	SB-05
Sample ID			SB-4 (16-18)	SB-4 (18-20)	SB-4 (0-0.5)	SB-5 (0-2)	SB-5 (2-4)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			16.0-18.0	18.0-20.0	0.0-0.5	0.0-2.0	2.0-4.0
Date Sampled			05/16/13	05/16/13	05/22/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
1,1,1-Trichloroethane	MG/KG	0.68	0.012 UJ	0.013 UJ	0.012 U	0.010 UJ	0.011 UJ
1,1,2,2-Tetrachloroethane	MG/KG	0.6	0.012 UJ	0.013 UJ	0.012 U	0.010 UJ	0.011 UJ
1,1,2-Trichloro-1,2,2-trifluoroethane	MG/KG	6	0.012 UJ	0.013 UJ	0.012 U	0.010 UJ	0.011 UJ
1,1,2-Trichloroethane	MG/KG	-	0.012 UJ	0.013 UJ	0.012 U	0.010 UJ	0.011 UJ
1,1-Dichloroethane	MG/KG	0.27	0.012 UJ	0.013 UJ	0.012 U	0.010 UJ	0.011 UJ
1,1-Dichloroethene	MG/KG	0.33	0.012 UJ	0.013 UJ	0.012 U	0.010 UJ	0.011 UJ
1,2,4-Trichlorobenzene	MG/KG	3.4	0.012 UJ	0.013 UJ	0.012 U	0.010 UJ	0.011 UJ
1,2-Dibromo-3-chloropropane	MG/KG	-	0.012 UJ	0.013 UJ	0.012 U	0.010 UJ	0.011 UJ
1,2-Dibromoethane (Ethylene dibromide)	MG/KG	-	0.012 UJ	0.013 UJ	0.012 U	0.010 UJ	0.011 UJ
1,2-Dichlorobenzene	MG/KG	1.1	0.012 UJ	0.013 UJ	0.012 U	0.010 UJ	0.011 UJ
1,2-Dichloroethane	MG/KG	0.02	0.012 UJ	0.013 UJ	0.012 U	0.010 UJ	0.011 UJ
1,2-Dichloroethene (cis)	MG/KG	0.25	0.012 UJ	0.013 UJ	0.012 U	0.010 UJ	0.011 UJ
1,2-Dichloroethene (trans)	MG/KG	0.19	0.012 UJ	0.013 UJ	0.012 U	0.010 UJ	0.011 UJ
1,2-Dichloropropane	MG/KG	700	0.012 UJ	0.013 UJ	0.012 U	0.010 UJ	0.011 UJ
1,3-Dichlorobenzene	MG/KG	2.4	0.012 UJ	0.013 UJ	0.012 U	0.010 UJ	0.011 UJ
1,3-Dichloropropene (cis)	MG/KG	-	0.012 UJ	0.013 UJ	0.012 U	0.010 UJ	0.011 UJ
1,3-Dichloropropene (trans)	MG/KG	-	0.012 UJ	0.013 UJ	0.012 U	0.010 UJ	0.011 UJ
1,4-Dichlorobenzene	MG/KG	1.8	0.012 UJ	0.013 UJ	0.012 U	0.010 UJ	0.011 UJ
2-Hexanone	MG/KG	-	0.012 UJ	0.013 UJ	0.012 UJ	0.010 UJ	0.011 UJ
4-Methyl-2-pentanone	MG/KG	1	0.012 UJ	0.013 UJ	0.012 UJ	0.010 UJ	0.011 UJ
Acetone	MG/KG	0.05	0.012 J	0.011 J	0.012 UJ	0.010 UJ	0.011 UJ
Benzene	MG/KG	0.06	0.012 UJ	0.013 UJ	0.012 U	0.010 UJ	0.011 UJ
Bromodichloromethane	MG/KG	-	0.012 UJ	0.013 UJ	0.012 U	0.010 UJ	0.011 UJ
Bromoform	MG/KG	-	0.012 UJ	0.013 UJ	0.012 U	0.010 UJ	0.011 UJ
Bromomethane	MG/KG	-	0.012 UJ	0.013 UJ	0.012 U	0.010 UJ	0.011 UJ

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-04	SB-04	SB-04	SB-05	SB-05
Sample ID			SB-4 (16-18)	SB-4 (18-20)	SB-4 (0-0.5)	SB-5 (0-2)	SB-5 (2-4)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			16.0-18.0	18.0-20.0	0.0-0.5	0.0-2.0	2.0-4.0
Date Sampled			05/16/13	05/16/13	05/22/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
Carbon disulfide	MG/KG	2.7	0.012 UJ	0.013 UJ	0.012 U	0.010 UJ	0.011 UJ
Carbon tetrachloride	MG/KG	0.76	0.012 UJ	0.013 UJ	0.012 U	0.010 UJ	0.011 UJ
Chlorobenzene	MG/KG	1.1	0.012 UJ	0.013 UJ	0.012 U	0.010 UJ	0.011 UJ
Chloroethane	MG/KG	1.9	0.012 UJ	0.013 UJ	0.012 U	0.010 UJ	0.011 UJ
Chloroform	MG/KG	0.37	0.012 UJ	0.013 UJ	0.012 U	0.010 UJ	0.011 UJ
Chloromethane	MG/KG	-	0.012 UJ	0.013 UJ	0.012 U	0.010 UJ	0.011 UJ
Cyclohexane	MG/KG	-	0.012 UJ	0.013 UJ	0.012 U	0.010 UJ	0.011 UJ
Dibromochloromethane	MG/KG	10	0.012 UJ	0.013 UJ	0.012 U	0.010 UJ	0.011 UJ
Dichlorodifluoromethane	MG/KG	-	0.012 UJ	0.013 UJ	0.012 UJ	0.010 UJ	0.011 UJ
Ethylbenzene	MG/KG	1	0.012 UJ	0.013 UJ	0.012 U	0.010 UJ	0.011 UJ
Isopropylbenzene (Cumene)	MG/KG	2.3	0.012 UJ	0.013 UJ	0.012 U	0.010 UJ	0.011 UJ
Methyl acetate	MG/KG	-	0.012 UJ	0.013 UJ	0.012 UJ	0.010 UJ	0.011 UJ
Methyl ethyl ketone (2-Butanone)	MG/KG	0.12	0.012 UJ	0.013 UJ	0.012 UJ	0.010 UJ	0.011 UJ
Methyl tert-butyl ether	MG/KG	0.93	0.012 UJ	0.013 UJ	0.012 U	0.010 UJ	0.011 UJ
Methylcyclohexane	MG/KG	-	0.012 UJ	0.013 UJ	0.012 U	0.010 UJ	0.011 UJ
Methylene chloride	MG/KG	0.05	0.012 UJ	0.013 UJ	0.012 U	0.010 UJ	0.011 UJ
Styrene	MG/KG	300	0.012 UJ	0.013 UJ	0.012 U	0.010 UJ	0.011 UJ
Tetrachloroethene	MG/KG	1.3	0.012 UJ	0.013 UJ	0.012 U	0.010 UJ	0.011 UJ
Toluene	MG/KG	0.7	0.012 UJ	0.013 UJ	0.012 U	0.010 UJ	0.011 UJ
Trichloroethene	MG/KG	0.47	0.012 UJ	0.013 UJ	0.012 U	0.010 UJ	0.011 UJ
Trichlorofluoromethane	MG/KG	-	0.012 UJ	0.013 UJ	0.012 U	0.010 UJ	0.011 UJ
Vinyl chloride	MG/KG	0.02	0.012 UJ	0.013 UJ	0.012 U	0.010 UJ	0.011 UJ
Xylene (total)	MG/KG	0.26	0.012 UJ	0.013 UJ	0.012 U	0.010 UJ	0.011 UJ
Semivolatile Organic Compounds							
1,1-Biphenyl	MG/KG	60	0.40 U	0.43 U	0.40 U	0.34 U	0.35 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-04	SB-04	SB-04	SB-05	SB-05
Sample ID			SB-4 (16-18)	SB-4 (18-20)	SB-4 (0-0.5)	SB-5 (0-2)	SB-5 (2-4)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			16.0-18.0	18.0-20.0	0.0-0.5	0.0-2.0	2.0-4.0
Date Sampled			05/16/13	05/16/13	05/22/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
2,2-oxybis(1-Chloropropane)	MG/KG	-	0.40 UJ	0.43 UJ	0.40 UJ	0.34 UJ	0.35 UJ
2,4,5-Trichlorophenol	MG/KG	0.1	1.0 U	1.1 U	1.0 U	0.87 U	0.88 U
2,4,6-Trichlorophenol	MG/KG	10	0.40 U	0.43 U	0.40 U	0.34 U	0.35 U
2,4-Dichlorophenol	MG/KG	0.4	0.40 U	0.43 U	0.40 U	0.34 U	0.35 U
2,4-Dimethylphenol	MG/KG	-	0.40 UJ	0.43 UJ	0.40 U	0.34 UJ	0.35 UJ
2,4-Dinitrophenol	MG/KG	0.2	1.0 U	1.1 U	1.0 U	0.87 U	0.88 U
2,4-Dinitrotoluene	MG/KG	-	0.40 U	0.43 U	0.40 U	0.34 U	0.35 U
2,6-Dinitrotoluene	MG/KG	0.17	0.40 U	0.43 U	0.40 U	0.34 U	0.35 U
2-Chloronaphthalene	MG/KG	-	0.40 U	0.43 U	0.40 U	0.34 U	0.35 U
2-Chlorophenol	MG/KG	0.8	0.40 U	0.43 U	0.40 U	0.34 U	0.35 U
2-Methylnaphthalene	MG/KG	0.41	0.40 U	0.43 U	0.40 U	0.34 U	0.35 U
2-Methylphenol (o-cresol)	MG/KG	0.33	0.24 U	0.26 U	0.24 U	0.21 U	0.21 U
2-Nitroaniline	MG/KG	0.4	1.0 U	1.1 U	1.0 U	0.87 U	0.88 U
2-Nitrophenol	MG/KG	0.3	0.40 U	0.43 U	0.40 U	0.34 U	0.35 U
3,3-Dichlorobenzidine	MG/KG	-	0.40 U	0.43 U	0.40 U	0.34 U	0.35 U
3-Nitroaniline	MG/KG	0.5	1.0 U	1.1 U	1.0 U	0.87 U	0.88 U
4,6-Dinitro-2-methylphenol	MG/KG	-	1.0 U	1.1 U	1.0 U	0.87 U	0.88 U
4-Bromophenyl-phenylether	MG/KG	-	0.40 U	0.43 U	0.40 U	0.34 U	0.35 U
4-Chloro-3-methylphenol	MG/KG	-	0.40 U	0.43 U	0.40 U	0.34 U	0.35 U
4-Chloroaniline	MG/KG	0.22	0.40 U	0.43 U	0.40 U	0.34 U	0.35 U
4-Chlorophenyl-phenylether	MG/KG	-	0.40 U	0.43 U	0.40 U	0.34 U	0.35 U
4-Methylphenol (p-cresol)	MG/KG	0.33	0.24 U	0.26 U	0.24 U	0.21 U	0.21 U
4-Nitroaniline	MG/KG	-	1.0 U	1.1 U	1.0 U	0.87 U	0.88 U
4-Nitrophenol	MG/KG	0.1	1.0 U	1.1 U	1.0 U	0.87 U	0.88 U
Acenaphthene	MG/KG	20	0.40 U	0.43 U	0.40 U	0.34 U	0.35 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.
U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-04	SB-04	SB-04	SB-05	SB-05
Sample ID			SB-4 (16-18)	SB-4 (18-20)	SB-4 (0-0.5)	SB-5 (0-2)	SB-5 (2-4)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			16.0-18.0	18.0-20.0	0.0-0.5	0.0-2.0	2.0-4.0
Date Sampled			05/16/13	05/16/13	05/22/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
Acenaphthylene	MG/KG	100	0.40 U	0.43 U	0.40 U	0.34 U	0.35 U
Acetophenone	MG/KG	-	0.40 UJ	0.43 UJ	0.40 UJ	0.34 UJ	0.35 UJ
Anthracene	MG/KG	100	0.40 U	0.43 U	0.40 U	0.34 U	0.35 U
Atrazine	MG/KG	-	0.40 U	0.43 U	0.40 U	0.34 U	0.35 U
Benzaldehyde	MG/KG	-	0.40 UJ	0.43 UJ	0.40 UJ	0.34 UJ	0.35 UJ
Benzo(a)anthracene	MG/KG	1	0.40 U	0.43 U	0.40 U	0.34 U	0.35 U
Benzo(a)pyrene	MG/KG	1	0.40 U	0.43 U	0.40 U	0.34 U	0.35 U
Benzo(b)fluoranthene	MG/KG	1	0.40 U	0.43 U	0.40 U	0.34 U	0.35 U
Benzo(g,h,i)perylene	MG/KG	100	0.40 U	0.43 U	0.40 U	0.34 U	0.35 U
Benzo(k)fluoranthene	MG/KG	0.8	0.40 U	0.43 U	0.40 U	0.34 U	0.35 U
bis(2-Chloroethoxy)methane	MG/KG	-	0.40 U	0.43 U	0.40 U	0.34 U	0.35 U
bis(2-Chloroethyl)ether	MG/KG	-	0.40 U	0.43 U	0.40 U	0.34 U	0.35 U
bis(2-Ethylhexyl)phthalate	MG/KG	50	0.40 U	0.43 U	0.40 U	0.34 U	0.35 U
Butylbenzylphthalate	MG/KG	100	0.40 U	0.43 U	0.40 U	0.34 U	0.35 U
Caprolactam	MG/KG	-	0.40 U	0.43 U	0.40 U	0.34 U	0.35 U
Carbazole	MG/KG	-	0.40 U	0.43 U	0.40 U	0.34 U	0.35 U
Chrysene	MG/KG	1	0.40 U	0.43 U	0.40 U	0.34 U	0.35 U
Dibenz(a,h)anthracene	MG/KG	0.33	0.24 U	0.26 U	0.24 U	0.21 U	0.21 U
Dibenzofuran	MG/KG	7	0.40 U	0.43 U	0.40 U	0.34 U	0.35 U
Diethylphthalate	MG/KG	7.1	0.40 U	0.43 U	0.40 U	0.34 U	0.35 U
Dimethylphthalate	MG/KG	27	0.40 U	0.43 U	0.40 U	0.34 U	0.35 U
Di-n-butylphthalate	MG/KG	0.014	0.40 U	0.43 U	0.40 U	0.34 U	0.35 U
Di-n-octylphthalate	MG/KG	100	0.40 U	0.43 U	0.40 U	0.34 U	0.35 U
Fluoranthene	MG/KG	100	0.40 U	0.43 U	0.40 U	0.34 U	0.35 U
Fluorene	MG/KG	30	0.40 U	0.43 U	0.40 U	0.34 U	0.35 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-04	SB-04	SB-04	SB-05	SB-05
Sample ID			SB-4 (16-18)	SB-4 (18-20)	SB-4 (0-0.5)	SB-5 (0-2)	SB-5 (2-4)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			16.0-18.0	18.0-20.0	0.0-0.5	0.0-2.0	2.0-4.0
Date Sampled			05/16/13	05/16/13	05/22/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
Hexachlorobenzene	MG/KG	0.33	0.40 U	0.43 U	0.40 U	0.34 U	0.35 U
Hexachlorobutadiene	MG/KG	-	0.40 U	0.43 U	0.40 U	0.34 U	0.35 U
Hexachlorocyclopentadiene	MG/KG	10	0.40 UJ	0.43 UJ	0.40 UJ	0.34 UJ	0.35 UJ
Hexachloroethane	MG/KG	-	0.40 U	0.43 U	0.40 U	0.34 U	0.35 U
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	0.40 U	0.43 U	0.40 U	0.34 U	0.35 U
Isophorone	MG/KG	4.4	0.40 U	0.43 U	0.40 U	0.34 U	0.35 U
Naphthalene	MG/KG	12	0.40 U	0.43 U	0.40 U	0.34 U	0.35 U
Nitrobenzene	MG/KG	0.17	0.40 U	0.43 U	0.40 U	0.34 U	0.35 U
N-Nitroso-di-n-propylamine	MG/KG	-	0.40 U	0.43 U	0.40 UJ	0.34 U	0.35 U
N-Nitrosodiphenylamine	MG/KG	20	0.40 U	0.43 U	0.40 U	0.34 U	0.35 U
Pentachlorophenol	MG/KG	0.8	0.61 U	0.65 U	0.61 U	0.52 U	0.53 U
Phenanthrene	MG/KG	100	0.40 U	0.43 U	0.40 U	0.34 U	0.35 U
Phenol	MG/KG	0.33	0.24 U	0.26 U	0.24 U	0.21 U	0.21 U
Pyrene	MG/KG	100	0.40 U	0.43 U	0.40 U	0.34 U	0.35 U
Pesticide Organic Compounds							
4,4'-DDD	MG/KG	0.0033	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
4,4'-DDE	MG/KG	0.0033	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
4,4'-DDT	MG/KG	0.0033	0.0020 U	0.0020 U	0.0017 J	0.0020 U	0.0020 U
Aldrin	MG/KG	0.005	0.0030 U	0.0030 U	0.0030 U	0.0030 U	0.0030 U
alpha-BHC	MG/KG	0.02	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
alpha-Chlordane	MG/KG	0.094	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
beta-BHC	MG/KG	0.036	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
delta-BHC	MG/KG	0.04	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Dieldrin	MG/KG	0.005	0.0030 U	0.0030 U	0.0030 U	0.0030 U	0.0030 U
Dimethoate	MG/KG	-	0.040 U	0.043 U	0.040 U	0.034 U	0.035 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-04	SB-04	SB-04	SB-05	SB-05
Sample ID			SB-4 (16-18)	SB-4 (18-20)	SB-4 (0-0.5)	SB-5 (0-2)	SB-5 (2-4)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			16.0-18.0	18.0-20.0	0.0-0.5	0.0-2.0	2.0-4.0
Date Sampled			05/16/13	05/16/13	05/22/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria***					
Pesticide Organic Compounds							
Disulfoton	MG/KG	-	0.040 U	0.043 U	0.040 U	0.034 U	0.035 U
Endosulfan I	MG/KG	2.4	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Endosulfan II	MG/KG	2.4	0.0040 U	0.0040 U	0.0040 U	0.0030 U	0.0030 U
Endosulfan sulfate	MG/KG	2.4	0.0040 U	0.0040 U	0.0040 U	0.0030 U	0.0030 U
Endrin	MG/KG	0.014	0.0040 U	0.0040 U	0.0040 U	0.0030 U	0.0030 U
Endrin aldehyde	MG/KG	-	0.0040 U	0.0040 U	0.0040 U	0.0030 U	0.0030 U
Endrin ketone	MG/KG	-	0.0040 U	0.0040 U	0.0040 U	0.0030 U	0.0030 U
Famphur	MG/KG	-	0.040 U	0.043 U	0.040 U	0.034 U	0.035 U
gamma-BHC (Lindane)	MG/KG	0.1	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
gamma-Chlordane	MG/KG	0.54	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Heptachlor	MG/KG	0.042	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Heptachlor epoxide	MG/KG	0.02	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Methoxychlor	MG/KG	1.2	0.021 U	0.022 U	0.021 U	0.018 U	0.018 U
Methyl parathion	MG/KG	-	0.040 U	0.043 U	0.040 U	0.034 U	0.035 U
Parathion	MG/KG	1.2	0.040 U	0.043 U	0.040 U	0.034 U	0.035 U
Phorate	MG/KG	-	0.040 U	0.043 U	0.040 U	0.034 U	0.035 U
Thionazin	MG/KG	-	0.040 U	0.043 U	0.040 U	0.034 U	0.035 U
Toxaphene	MG/KG	-	0.21 U	0.22 U	0.21 U	0.18 U	0.18 U
Herbicides							
2,4,5-T	MG/KG	1.9	0.006 U	0.006 U	0.006 U	0.005 U	0.005 U
2,4,5-TP (Silvex)	MG/KG	3.8	0.006 U	0.006 U	0.006 U	0.005 U	0.005 U
2,4-D	MG/KG	0.5	0.012 U	0.013 U	0.012 U	0.01 U	0.011 U
2,4-DB	MG/KG	-	0.012 U	0.013 U	0.0081 NJ	0.01 U	R
Dicamba	MG/KG	-	0.004 U	0.004 U	0.004 U	0.003 U	0.003 U
Dinoseb	MG/KG	-	0.005 U	0.005 U	0.005 U	0.004 U	0.004 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-04	SB-04	SB-04	SB-05	SB-05
Sample ID			SB-4 (16-18)	SB-4 (18-20)	SB-4 (0-0.5)	SB-5 (0-2)	SB-5 (2-4)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			16.0-18.0	18.0-20.0	0.0-0.5	0.0-2.0	2.0-4.0
Date Sampled			05/16/13	05/16/13	05/22/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria***					
Herbicides							
Picrolam	MG/KG	-	0.012 U	0.013 U	0.012 UJ	0.01 U	0.011 U
Polychlorinated Biphenyls							
Aroclor 1016	MG/KG	-	0.040 U	0.043 U	0.040 U	0.034 U	0.035 U
Aroclor 1221	MG/KG	-	0.082 U	0.087 U	0.081 U	0.070 U	0.071 U
Aroclor 1232	MG/KG	-	0.040 U	0.043 U	0.040 U	0.034 U	0.035 U
Aroclor 1242	MG/KG	-	0.040 U	0.043 U	0.040 U	0.034 U	0.035 U
Aroclor 1248	MG/KG	-	0.040 U	0.043 U	0.040 U	0.034 U	0.035 U
Aroclor 1254	MG/KG	-	0.040 U	0.043 U	0.040 U	0.034 U	0.035 U
Aroclor 1260	MG/KG	-	0.040 U	0.043 U	0.040 U	0.034 U	0.035 U
Total Polychlorinated Biphenyls	MG/KG	0.1	ND	ND	ND	ND	ND
Metals							
Aluminum	MG/KG	10000	8,010	13,600	8,540	4,970	6,030
Antimony	MG/KG	12	0.15 U	0.16 U	0.29 J	0.13 U	0.13 U
Arsenic	MG/KG	13	2.9	2.6	3.8	1.4	1.1
Barium	MG/KG	350	44.5 J	180 J	31.7	15.3 J	15.5 J
Beryllium	MG/KG	7.2	0.22 J	0.48 J	0.34 J	0.16 J	0.16 J
Cadmium	MG/KG	2.5	0.012 U	0.013 U	0.012 U	0.010 U	0.011 U
Calcium	MG/KG	10000	16,500	14,200	4,830	1,220	799
Chromium	MG/KG	30	13.0	19.6	13.4	4.8	4.6
Cobalt	MG/KG	20	7.6	11.5	4.9 J	3.0 J	2.5 J
Copper	MG/KG	50	8.0 J	12.0 J	7.5	3.8 J	2.9 J
Iron	MG/KG	2000	17,800	27,400	13,500	7,040	6,220
Lead	MG/KG	63	0.12 UJ	0.13 UJ	44.3	17.7 J	15.6 J
Magnesium	MG/KG	-	5,820	8,020	2,930	1,150	913
Manganese	MG/KG	1600	266	371	188	127	105

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-04	SB-04	SB-04	SB-05	SB-05
Sample ID			SB-4 (16-18)	SB-4 (18-20)	SB-4 (0-0.5)	SB-5 (0-2)	SB-5 (2-4)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			16.0-18.0	18.0-20.0	0.0-0.5	0.0-2.0	2.0-4.0
Date Sampled			05/16/13	05/16/13	05/22/13	05/16/13	05/16/13
Parameter	**Units**	**Criteria***					
Metals							
Mercury	MG/KG	0.18	0.033 J	0.022 U	0.032 U	0.033 J	0.042
Nickel	MG/KG	30	8.9 J	14.0 J	8.2	4.0 UJ	2.9 UJ
Potassium	MG/KG	-	1,150 J	2,160 J	675	273 U	216 U
Selenium	MG/KG	3.9	0.28 UJ	0.30 UJ	0.28 U	0.24 UJ	0.24 UJ
Silver	MG/KG	2	0.024 U	0.026 U	0.024 U	0.021 U	0.021 U
Sodium	MG/KG	-	522 J	712	153 U	132 U	134 U
Thallium	MG/KG	5	0.23 U	0.25 U	0.23 U	0.20 U	0.20 U
Vanadium	MG/KG	39	27.7	35.4	19.3	8.9	8.9
Zinc	MG/KG	109	41.0	77.2	47.8	29.1	25.6

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.
U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-05	SB-05	SB-05	SB-05	SB-05
Sample ID			SB-5 (4-6)	SB-5 (6-8)	SB-5 (8-10)	SB-5 (10-12)	SB-5 (12-14)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			4.0-6.0	6.0-8.0	8.0-10.0	10.0-12.0	12.0-14.0
Date Sampled			05/16/13	05/16/13	05/16/13	05/17/13	05/17/13
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
1,1,1-Trichloroethane	MG/KG	0.68	0.011 UJ	0.011 UJ	NA	NA	NA
1,1,2,2-Tetrachloroethane	MG/KG	0.6	0.011 UJ	0.011 UJ	NA	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane	MG/KG	6	0.011 UJ	0.011 UJ	NA	NA	NA
1,1,2-Trichloroethane	MG/KG	-	0.011 UJ	0.011 UJ	NA	NA	NA
1,1-Dichloroethane	MG/KG	0.27	0.011 UJ	0.011 UJ	NA	NA	NA
1,1-Dichloroethene	MG/KG	0.33	0.011 UJ	0.011 UJ	NA	NA	NA
1,2,4-Trichlorobenzene	MG/KG	3.4	0.011 UJ	0.011 UJ	NA	NA	NA
1,2-Dibromo-3-chloropropane	MG/KG	-	0.011 UJ	0.011 UJ	NA	NA	NA
1,2-Dibromoethane (Ethylene dibromide)	MG/KG	-	0.011 UJ	0.011 UJ	NA	NA	NA
1,2-Dichlorobenzene	MG/KG	1.1	0.011 UJ	0.011 UJ	NA	NA	NA
1,2-Dichloroethane	MG/KG	0.02	0.011 UJ	0.011 UJ	NA	NA	NA
1,2-Dichloroethene (cis)	MG/KG	0.25	0.011 UJ	0.011 UJ	NA	NA	NA
1,2-Dichloroethene (trans)	MG/KG	0.19	0.011 UJ	0.011 UJ	NA	NA	NA
1,2-Dichloropropane	MG/KG	700	0.011 UJ	0.011 UJ	NA	NA	NA
1,3-Dichlorobenzene	MG/KG	2.4	0.011 UJ	0.011 UJ	NA	NA	NA
1,3-Dichloropropene (cis)	MG/KG	-	0.011 UJ	0.011 UJ	NA	NA	NA
1,3-Dichloropropene (trans)	MG/KG	-	0.011 UJ	0.011 UJ	NA	NA	NA
1,4-Dichlorobenzene	MG/KG	1.8	0.011 UJ	0.011 UJ	NA	NA	NA
2-Hexanone	MG/KG	-	0.011 UJ	0.011 UJ	NA	NA	NA
4-Methyl-2-pentanone	MG/KG	1	0.011 UJ	0.011 UJ	NA	NA	NA
Acetone	MG/KG	0.05	0.011 UJ	0.011 UJ	NA	NA	NA
Benzene	MG/KG	0.06	0.011 UJ	0.011 UJ	NA	NA	NA
Bromodichloromethane	MG/KG	-	0.011 UJ	0.011 UJ	NA	NA	NA
Bromoform	MG/KG	-	0.011 UJ	0.011 UJ	NA	NA	NA
Bromomethane	MG/KG	-	0.011 UJ	0.011 UJ	NA	NA	NA

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-05	SB-05	SB-05	SB-05	SB-05
Sample ID			SB-5 (4-6)	SB-5 (6-8)	SB-5 (8-10)	SB-5 (10-12)	SB-5 (12-14)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			4.0-6.0	6.0-8.0	8.0-10.0	10.0-12.0	12.0-14.0
Date Sampled			05/16/13	05/16/13	05/16/13	05/17/13	05/17/13
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
Carbon disulfide	MG/KG	2.7	0.011 UJ	0.011 UJ	NA	NA	NA
Carbon tetrachloride	MG/KG	0.76	0.011 UJ	0.011 UJ	NA	NA	NA
Chlorobenzene	MG/KG	1.1	0.011 UJ	0.011 UJ	NA	NA	NA
Chloroethane	MG/KG	1.9	0.011 UJ	0.011 UJ	NA	NA	NA
Chloroform	MG/KG	0.37	0.011 UJ	0.011 UJ	NA	NA	NA
Chloromethane	MG/KG	-	0.011 UJ	0.011 UJ	NA	NA	NA
Cyclohexane	MG/KG	-	0.011 UJ	0.011 UJ	NA	NA	NA
Dibromochloromethane	MG/KG	10	0.011 UJ	0.011 UJ	NA	NA	NA
Dichlorodifluoromethane	MG/KG	-	0.011 UJ	0.011 UJ	NA	NA	NA
Ethylbenzene	MG/KG	1	0.011 UJ	0.011 UJ	NA	NA	NA
Isopropylbenzene (Cumene)	MG/KG	2.3	0.011 UJ	0.011 UJ	NA	NA	NA
Methyl acetate	MG/KG	-	0.011 UJ	0.011 UJ	NA	NA	NA
Methyl ethyl ketone (2-Butanone)	MG/KG	0.12	0.011 UJ	0.011 UJ	NA	NA	NA
Methyl tert-butyl ether	MG/KG	0.93	0.011 UJ	0.011 UJ	NA	NA	NA
Methylcyclohexane	MG/KG	-	0.011 UJ	0.011 UJ	NA	NA	NA
Methylene chloride	MG/KG	0.05	0.011 UJ	0.011 UJ	NA	NA	NA
Styrene	MG/KG	300	0.011 UJ	0.011 UJ	NA	NA	NA
Tetrachloroethene	MG/KG	1.3	0.011 UJ	0.011 UJ	NA	NA	NA
Toluene	MG/KG	0.7	0.011 UJ	0.011 UJ	NA	NA	NA
Trichloroethene	MG/KG	0.47	0.011 UJ	0.011 UJ	NA	NA	NA
Trichlorofluoromethane	MG/KG	-	0.011 UJ	0.011 UJ	NA	NA	NA
Vinyl chloride	MG/KG	0.02	0.011 UJ	0.011 UJ	NA	NA	NA
Xylene (total)	MG/KG	0.26	0.011 UJ	0.011 UJ	NA	NA	NA
Semivolatile Organic Compounds							
1,1-Biphenyl	MG/KG	60	0.36 U	0.36 U	0.39 U	0.48 U	0.43 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-05	SB-05	SB-05	SB-05	SB-05
Sample ID			SB-5 (4-6)	SB-5 (6-8)	SB-5 (8-10)	SB-5 (10-12)	SB-5 (12-14)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			4.0-6.0	6.0-8.0	8.0-10.0	10.0-12.0	12.0-14.0
Date Sampled			05/16/13	05/16/13	05/16/13	05/17/13	05/17/13
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
2,2-oxybis(1-Chloropropane)	MG/KG	-	0.36 UJ	0.36 U	0.39 UJ	0.48 UJ	0.43 UJ
2,4,5-Trichlorophenol	MG/KG	0.1	0.90 U	0.91 U	0.97 U	1.2 U	1.1 U
2,4,6-Trichlorophenol	MG/KG	10	0.36 U	0.36 U	0.39 U	0.48 U	0.43 U
2,4-Dichlorophenol	MG/KG	0.4	0.36 U	0.36 U	0.39 U	0.48 U	0.43 U
2,4-Dimethylphenol	MG/KG	-	0.36 UJ	0.36 UJ	0.39 UJ	0.48 U	0.43 U
2,4-Dinitrophenol	MG/KG	0.2	0.90 U	0.91 U	0.97 U	1.2 U	1.1 U
2,4-Dinitrotoluene	MG/KG	-	0.36 U	0.36 U	0.39 U	0.48 U	0.43 U
2,6-Dinitrotoluene	MG/KG	0.17	0.36 U	0.36 U	0.39 U	0.48 U	0.43 U
2-Chloronaphthalene	MG/KG	-	0.36 U	0.36 U	0.39 U	0.48 U	0.43 U
2-Chlorophenol	MG/KG	0.8	0.36 U	0.36 U	0.39 U	0.48 U	0.43 U
2-Methylnaphthalene	MG/KG	0.41	0.36 U	0.36 U	0.39 U	0.48 U	0.43 U
2-Methylphenol (o-cresol)	MG/KG	0.33	0.22 U	0.22 U	0.23 U	0.29 U	0.26 U
2-Nitroaniline	MG/KG	0.4	0.90 U	0.91 U	0.97 U	1.2 U	1.1 U
2-Nitrophenol	MG/KG	0.3	0.36 U	0.36 U	0.39 U	0.48 U	0.43 U
3,3-Dichlorobenzidine	MG/KG	-	0.36 U	0.36 U	0.39 U	0.48 U	0.43 U
3-Nitroaniline	MG/KG	0.5	0.90 U	0.91 U	0.97 U	1.2 U	1.1 U
4,6-Dinitro-2-methylphenol	MG/KG	-	0.90 U	0.91 U	0.97 U	1.2 U	1.1 U
4-Bromophenyl-phenylether	MG/KG	-	0.36 U	0.36 U	0.39 U	0.48 U	0.43 U
4-Chloro-3-methylphenol	MG/KG	-	0.36 U	0.36 U	0.39 U	0.48 U	0.43 U
4-Chloroaniline	MG/KG	0.22	0.36 U	0.36 U	0.39 U	0.48 U	0.43 U
4-Chlorophenyl-phenylether	MG/KG	-	0.36 U	0.36 U	0.39 U	0.48 U	0.43 U
4-Methylphenol (p-cresol)	MG/KG	0.33	0.22 U	0.22 U	0.23 U	0.29 U	0.26 U
4-Nitroaniline	MG/KG	-	0.90 U	0.91 U	0.97 U	1.2 U	1.1 U
4-Nitrophenol	MG/KG	0.1	0.90 U	0.91 UJ	0.97 U	1.2 U	1.1 U
Acenaphthene	MG/KG	20	0.36 U	0.36 U	0.39 U	0.48 U	0.43 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-05	SB-05	SB-05	SB-05	SB-05
Sample ID			SB-5 (4-6)	SB-5 (6-8)	SB-5 (8-10)	SB-5 (10-12)	SB-5 (12-14)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			4.0-6.0	6.0-8.0	8.0-10.0	10.0-12.0	12.0-14.0
Date Sampled			05/16/13	05/16/13	05/16/13	05/17/13	05/17/13
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
Acenaphthylene	MG/KG	100	0.36 U	0.36 U	0.39 U	0.48 U	0.43 U
Acetophenone	MG/KG	-	0.36 UJ	0.36 UJ	0.39 UJ	0.48 UJ	0.43 UJ
Anthracene	MG/KG	100	0.36 U	0.36 U	0.39 U	0.48 U	0.43 U
Atrazine	MG/KG	-	0.36 U	0.36 U	0.18 J	0.48 U	0.43 U
Benzaldehyde	MG/KG	-	0.36 UJ	0.15 J	0.39 UJ	0.48 UJ	0.43 UJ
Benzo(a)anthracene	MG/KG	1	0.36 U	0.36 U	0.39 U	0.48 U	0.43 U
Benzo(a)pyrene	MG/KG	1	0.36 U	0.36 U	0.39 U	0.48 U	0.43 U
Benzo(b)fluoranthene	MG/KG	1	0.36 U	0.36 U	0.39 U	0.48 U	0.43 U
Benzo(g,h,i)perylene	MG/KG	100	0.36 U	0.36 U	0.39 U	0.48 U	0.43 U
Benzo(k)fluoranthene	MG/KG	0.8	0.36 U	0.36 U	0.39 U	0.48 U	0.43 U
bis(2-Chloroethoxy)methane	MG/KG	-	0.36 U	0.36 U	0.39 U	0.48 U	0.43 U
bis(2-Chloroethyl)ether	MG/KG	-	0.36 U	0.36 U	0.39 U	0.48 U	0.43 U
bis(2-Ethylhexyl)phthalate	MG/KG	50	0.36 U	0.36 U	0.39 U	0.48 U	0.43 U
Butylbenzylphthalate	MG/KG	100	0.36 U	0.36 U	0.39 U	0.48 U	0.43 U
Caprolactam	MG/KG	-	0.36 U	0.36 U	0.39 U	0.48 U	0.43 U
Carbazole	MG/KG	-	0.36 U	0.36 U	0.15 J	0.18 J	0.43 U
Chrysene	MG/KG	1	0.36 U	0.36 U	0.39 U	0.48 U	0.43 U
Dibenz(a,h)anthracene	MG/KG	0.33	0.22 U	0.22 U	0.23 U	0.29 U	0.26 U
Dibenzofuran	MG/KG	7	0.36 U	0.36 U	0.39 U	0.48 U	0.43 U
Diethylphthalate	MG/KG	7.1	0.36 U	0.36 U	0.39 U	0.48 U	0.43 U
Dimethylphthalate	MG/KG	27	0.36 U	0.36 U	0.39 U	0.48 U	0.43 U
Di-n-butylphthalate	MG/KG	0.014	0.36 U	0.36 U	0.39 U	0.48 U	0.43 U
Di-n-octylphthalate	MG/KG	100	0.36 U	0.36 U	0.39 U	0.48 U	0.43 U
Fluoranthene	MG/KG	100	0.36 U	0.36 U	0.39 U	0.10 J	0.43 U
Fluorene	MG/KG	30	0.36 U	0.36 U	0.39 U	0.48 U	0.43 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.
U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-05	SB-05	SB-05	SB-05	SB-05
Sample ID			SB-5 (4-6)	SB-5 (6-8)	SB-5 (8-10)	SB-5 (10-12)	SB-5 (12-14)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			4.0-6.0	6.0-8.0	8.0-10.0	10.0-12.0	12.0-14.0
Date Sampled			05/16/13	05/16/13	05/16/13	05/17/13	05/17/13
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
Hexachlorobenzene	MG/KG	0.33	0.36 U	0.36 U	0.39 U	0.48 U	0.43 U
Hexachlorobutadiene	MG/KG	-	0.36 U	0.36 U	0.39 U	0.48 U	0.43 U
Hexachlorocyclopentadiene	MG/KG	10	0.36 UJ	0.36 UJ	0.39 UJ	0.48 UJ	0.43 UJ
Hexachloroethane	MG/KG	-	0.36 U	0.36 U	0.39 U	0.48 U	0.43 U
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	0.36 U	0.36 U	0.39 U	0.48 U	0.43 U
Isophorone	MG/KG	4.4	0.36 U	0.36 U	0.39 U	0.48 U	0.43 U
Naphthalene	MG/KG	12	0.36 U	0.36 U	0.39 U	0.48 U	0.43 U
Nitrobenzene	MG/KG	0.17	0.36 U	0.36 U	0.39 U	0.48 U	0.43 U
N-Nitroso-di-n-propylamine	MG/KG	-	0.36 U	0.36 U	0.39 U	0.48 U	0.43 U
N-Nitrosodiphenylamine	MG/KG	20	0.36 U	0.36 U	0.39 U	0.48 U	0.43 U
Pentachlorophenol	MG/KG	0.8	0.54 U	0.55 U	0.58 U	0.72 U	0.64 U
Phenanthrene	MG/KG	100	0.36 U	0.36 U	0.39 U	0.48 U	0.43 U
Phenol	MG/KG	0.33	0.22 U	0.22 U	0.23 U	0.29 U	0.26 U
Pyrene	MG/KG	100	0.36 U	0.36 U	0.39 U	0.10 J	0.43 U
Pesticide Organic Compounds							
4,4'-DDD	MG/KG	0.0033	0.0069 J	0.015 J	0.0033 J	0.041	0.0048
4,4'-DDE	MG/KG	0.0033	0.0063	0.0041 J	0.0020 U	0.010	0.0024
4,4'-DDT	MG/KG	0.0033	0.0022	0.0018 NJ	0.0020 U	0.0030	0.0020 U
Aldrin	MG/KG	0.005	0.0030 U	0.0030 U	0.0030 U	0.27 D	0.097 J
alpha-BHC	MG/KG	0.02	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
alpha-Chlordane	MG/KG	0.094	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
beta-BHC	MG/KG	0.036	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
delta-BHC	MG/KG	0.04	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Dieldrin	MG/KG	0.005	0.0030 U	0.030 J	0.019	0.070 J	0.012
Dimethoate	MG/KG	-	0.036 U	0.036 U	0.039 U	0.047 U	0.042 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-05	SB-05	SB-05	SB-05	SB-05
Sample ID			SB-5 (4-6)	SB-5 (6-8)	SB-5 (8-10)	SB-5 (10-12)	SB-5 (12-14)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			4.0-6.0	6.0-8.0	8.0-10.0	10.0-12.0	12.0-14.0
Date Sampled			05/16/13	05/16/13	05/16/13	05/17/13	05/17/13
Parameter	**Units**	**Criteria***					
Pesticide Organic Compounds							
Disulfoton	MG/KG	-	0.036 U	0.036 U	0.039 U	0.047 U	0.042 U
Endosulfan I	MG/KG	2.4	0.0020 U	0.0020 U	0.0020 U	0.0014 NJ	0.0020 U
Endosulfan II	MG/KG	2.4	0.0040 U	0.0040 U	0.0040 U	0.0050 U	0.0040 U
Endosulfan sulfate	MG/KG	2.4	0.0040 U	R	0.0040 U	0.0050 U	0.0040 U
Endrin	MG/KG	0.014	0.0040 U	0.0040 U	0.0040 U	0.0050 U	0.0040 U
Endrin aldehyde	MG/KG	-	0.0040 U	0.0040 U	0.0040 U	0.0050 U	0.0040 U
Endrin ketone	MG/KG	-	0.0040 U	0.030 NJ	0.0040 U	0.0050 U	0.0040 U
Famphur	MG/KG	-	0.036 U	0.036 U	0.039 U	0.047 U	0.042 U
gamma-BHC (Lindane)	MG/KG	0.1	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
gamma-Chlordane	MG/KG	0.54	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Heptachlor	MG/KG	0.042	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Heptachlor epoxide	MG/KG	0.02	0.0020 U	0.0020 U	0.0020 U	0.0022 J	0.0020 U
Methoxychlor	MG/KG	1.2	0.018 U	0.019 U	0.020 U	0.025 U	0.022 U
Methyl parathion	MG/KG	-	0.036 U	0.036 U	0.039 U	0.047 U	0.042 U
Parathion	MG/KG	1.2	0.036 U	0.036 U	0.039 U	0.047 U	0.042 U
Phorate	MG/KG	-	0.036 U	0.036 U	0.039 U	0.047 U	0.042 U
Thionazin	MG/KG	-	0.036 U	0.036 U	0.039 U	0.047 U	0.042 U
Toxaphene	MG/KG	-	0.18 U	0.19 U	0.20 U	0.25 U	0.22 U
Herbicides							
2,4,5-T	MG/KG	1.9	0.005 U	0.005 U	0.006 U	0.007 U	0.006 U
2,4,5-TP (Silvex)	MG/KG	3.8	0.005 U	0.005 U	0.006 U	0.007 U	0.006 U
2,4-D	MG/KG	0.5	0.011 U	0.011 U	0.012 U	0.014 U	0.013 U
2,4-DB	MG/KG	-	0.011 U	R	0.023	0.014 U	0.013 U
Dicamba	MG/KG	-	0.003 U	0.003 U	0.004 U	0.004 U	0.004 U
Dinoseb	MG/KG	-	0.004 U	0.004 U	0.005 U	0.006 U	0.005 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-05	SB-05	SB-05	SB-05	SB-05
Sample ID			SB-5 (4-6)	SB-5 (6-8)	SB-5 (8-10)	SB-5 (10-12)	SB-5 (12-14)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			4.0-6.0	6.0-8.0	8.0-10.0	10.0-12.0	12.0-14.0
Date Sampled			05/16/13	05/16/13	05/16/13	05/17/13	05/17/13
Parameter	**Units**	**Criteria***					
Herbicides							
Picrolam	MG/KG	-	0.011 U	0.011 U	0.012 UJ	0.014 U	0.013 U
Polychlorinated Biphenyls							
Aroclor 1016	MG/KG	-	0.036 U	0.036 U	0.039 U	0.048 U	0.043 U
Aroclor 1221	MG/KG	-	0.073 U	0.073 U	0.078 U	0.097 U	0.087 U
Aroclor 1232	MG/KG	-	0.036 U	0.036 U	0.039 U	0.048 U	0.043 U
Aroclor 1242	MG/KG	-	0.036 U	0.036 U	0.039 U	0.048 U	0.043 U
Aroclor 1248	MG/KG	-	0.036 U	0.036 U	0.039 U	0.048 U	0.043 U
Aroclor 1254	MG/KG	-	0.036 U	0.036 U	0.039 U	0.048 U	0.043 U
Aroclor 1260	MG/KG	-	0.036 U	0.036 U	0.039 U	0.048 U	0.043 U
Total Polychlorinated Biphenyls	MG/KG	0.1	ND	ND	ND	ND	ND
Metals							
Aluminum	MG/KG	10000	5,120	5,650	NA	NA	NA
Antimony	MG/KG	12	0.13 U	0.13 U	NA	NA	NA
Arsenic	MG/KG	13	1.1 J	1.3	NA	NA	NA
Barium	MG/KG	350	16.9 J	19.5 J	NA	NA	NA
Beryllium	MG/KG	7.2	0.15 J	0.12 J	NA	NA	NA
Cadmium	MG/KG	2.5	0.011 U	0.011 U	NA	NA	NA
Calcium	MG/KG	10000	890	1,570	NA	NA	NA
Chromium	MG/KG	30	4.5	6.7	NA	NA	NA
Cobalt	MG/KG	20	2.4 J	3.3 J	NA	NA	NA
Copper	MG/KG	50	4.8 J	14.5 J	NA	NA	NA
Iron	MG/KG	2000	6,110	7,950	NA	NA	NA
Lead	MG/KG	63	52.1 J	17.1 J	NA	NA	NA
Magnesium	MG/KG	-	1,010	1,650	NA	NA	NA
Manganese	MG/KG	1600	44.6	69.3	NA	NA	NA

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-05	SB-05	SB-05	SB-05	SB-05
Sample ID			SB-5 (4-6)	SB-5 (6-8)	SB-5 (8-10)	SB-5 (10-12)	SB-5 (12-14)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			4.0-6.0	6.0-8.0	8.0-10.0	10.0-12.0	12.0-14.0
Date Sampled			05/16/13	05/16/13	05/16/13	05/17/13	05/17/13
Parameter	**Units**	**Criteria***					
Metals							
Mercury	MG/KG	0.18	0.051	0.058	NA	NA	NA
Nickel	MG/KG	30	2.8 UJ	4.0 UJ	NA	NA	NA
Potassium	MG/KG	-	192 U	208 U	NA	NA	NA
Selenium	MG/KG	3.9	0.25 UJ	0.25 UJ	NA	NA	NA
Silver	MG/KG	2	0.022 U	0.022 U	NA	NA	NA
Sodium	MG/KG	-	138 U	139 U	NA	NA	NA
Thallium	MG/KG	5	0.21 U	0.21 U	NA	NA	NA
Vanadium	MG/KG	39	8.5	12.8	NA	NA	NA
Zinc	MG/KG	109	26.0	46.9	NA	NA	NA

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.
U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

I:\1176892\DB\EDMS.mde
Printed: 10/3/2013 11:56:30 AM
[LOGDATE] >= #5/13/2013# AND [MATRIX] = 'SO' AND [LOCID] <> 'DRUM COMP

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-05	SB-05	SB-05	SB-05	SB-06
Sample ID			SB-5 (14-16)	SB-5 (16-18)	SB-5 (18-20)	SB-5 (0-0.5)	SB-6 (0-2)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			14.0-16.0	16.0-18.0	18.0-20.0	0.0-0.5	0.0-2.0
Date Sampled			05/17/13	05/17/13	05/17/13	05/22/13	05/17/13
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
1,1,1-Trichloroethane	MG/KG	0.68	0.013 UJ	0.013 UJ	0.011 UJ	0.012 U	0.011 UJ
1,1,2,2-Tetrachloroethane	MG/KG	0.6	0.013 UJ	0.013 UJ	R	0.012 U	0.011 UJ
1,1,2-Trichloro-1,2,2-trifluoroethane	MG/KG	6	0.013 UJ	0.013 UJ	0.011 UJ	0.012 U	0.011 UJ
1,1,2-Trichloroethane	MG/KG	-	0.013 UJ	0.013 UJ	0.011 UJ	0.012 U	0.011 UJ
1,1-Dichloroethane	MG/KG	0.27	0.013 UJ	0.013 UJ	0.011 UJ	0.012 U	0.011 UJ
1,1-Dichloroethene	MG/KG	0.33	0.013 UJ	0.013 UJ	0.011 UJ	0.012 U	0.011 UJ
1,2,4-Trichlorobenzene	MG/KG	3.4	0.013 UJ	0.013 UJ	R	0.012 U	0.011 UJ
1,2-Dibromo-3-chloropropane	MG/KG	-	0.013 UJ	0.013 UJ	R	0.012 U	0.011 UJ
1,2-Dibromoethane (Ethylene dibromide)	MG/KG	-	0.013 UJ	0.013 UJ	R	0.012 U	0.011 UJ
1,2-Dichlorobenzene	MG/KG	1.1	0.013 UJ	0.013 UJ	R	0.012 U	0.011 UJ
1,2-Dichloroethane	MG/KG	0.02	0.013 UJ	0.013 UJ	0.011 UJ	0.012 U	0.011 UJ
1,2-Dichloroethene (cis)	MG/KG	0.25	0.013 UJ	0.013 UJ	0.011 UJ	0.012 U	0.011 UJ
1,2-Dichloroethene (trans)	MG/KG	0.19	0.013 UJ	0.013 UJ	0.011 UJ	0.012 U	0.011 UJ
1,2-Dichloropropane	MG/KG	700	0.013 UJ	0.013 UJ	0.011 UJ	0.012 U	0.011 UJ
1,3-Dichlorobenzene	MG/KG	2.4	0.013 UJ	0.013 UJ	R	0.012 U	0.011 UJ
1,3-Dichloropropene (cis)	MG/KG	-	0.013 UJ	0.013 UJ	0.011 UJ	0.012 U	0.011 UJ
1,3-Dichloropropene (trans)	MG/KG	-	0.013 UJ	0.013 UJ	0.011 UJ	0.012 U	0.011 UJ
1,4-Dichlorobenzene	MG/KG	1.8	0.013 UJ	0.013 UJ	R	0.012 U	0.011 UJ
2-Hexanone	MG/KG	-	0.013 UJ	0.013 UJ	R	0.012 UJ	0.011 UJ
4-Methyl-2-pentanone	MG/KG	1	0.013 UJ	0.013 UJ	R	0.012 UJ	0.011 UJ
Acetone	MG/KG	0.05	0.021 J	0.012 J	0.011 J	0.012 UJ	0.011 UJ
Benzene	MG/KG	0.06	0.013 UJ	0.013 UJ	0.011 UJ	0.012 U	0.011 UJ
Bromodichloromethane	MG/KG	-	0.013 UJ	0.013 UJ	0.011 UJ	0.012 U	0.011 UJ
Bromoform	MG/KG	-	0.013 UJ	0.013 UJ	0.011 UJ	0.012 U	0.011 UJ
Bromomethane	MG/KG	-	0.013 UJ	0.013 UJ	0.011 UJ	0.012 U	0.011 UJ

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-05	SB-05	SB-05	SB-05	SB-06
Sample ID			SB-5 (14-16)	SB-5 (16-18)	SB-5 (18-20)	SB-5 (0-0.5)	SB-6 (0-2)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			14.0-16.0	16.0-18.0	18.0-20.0	0.0-0.5	0.0-2.0
Date Sampled			05/17/13	05/17/13	05/17/13	05/22/13	05/17/13
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
Carbon disulfide	MG/KG	2.7	0.013 UJ	0.013 UJ	0.011 UJ	0.012 U	0.011 UJ
Carbon tetrachloride	MG/KG	0.76	0.013 UJ	0.013 UJ	0.011 UJ	0.012 U	0.011 UJ
Chlorobenzene	MG/KG	1.1	0.013 UJ	0.013 UJ	R	0.012 U	0.011 UJ
Chloroethane	MG/KG	1.9	0.013 UJ	0.013 UJ	0.011 UJ	0.012 U	0.011 UJ
Chloroform	MG/KG	0.37	0.013 UJ	0.013 UJ	0.011 UJ	0.012 U	0.011 UJ
Chloromethane	MG/KG	-	0.013 UJ	0.013 UJ	0.011 UJ	0.012 U	0.011 UJ
Cyclohexane	MG/KG	-	0.013 UJ	0.013 UJ	0.011 UJ	0.012 U	0.011 UJ
Dibromochloromethane	MG/KG	10	0.013 UJ	0.013 UJ	0.011 UJ	0.012 U	0.011 UJ
Dichlorodifluoromethane	MG/KG	-	0.013 UJ	0.013 UJ	0.011 UJ	0.012 UJ	0.011 UJ
Ethylbenzene	MG/KG	1	0.013 UJ	0.013 UJ	R	0.012 U	0.011 UJ
Isopropylbenzene (Cumene)	MG/KG	2.3	0.013 UJ	0.013 UJ	R	0.012 U	0.011 UJ
Methyl acetate	MG/KG	-	0.013 UJ	0.013 UJ	0.011 UJ	0.012 UJ	0.011 UJ
Methyl ethyl ketone (2-Butanone)	MG/KG	0.12	0.013 UJ	0.013 UJ	0.011 UJ	0.012 UJ	0.011 UJ
Methyl tert-butyl ether	MG/KG	0.93	0.013 UJ	0.013 UJ	0.011 UJ	0.012 U	0.011 UJ
Methylcyclohexane	MG/KG	-	0.013 UJ	0.013 UJ	0.011 UJ	0.012 U	0.011 UJ
Methylene chloride	MG/KG	0.05	0.013 UJ	0.013 UJ	0.011 UJ	0.012 U	0.011 UJ
Styrene	MG/KG	300	0.013 UJ	0.013 UJ	R	0.012 U	0.011 UJ
Tetrachloroethene	MG/KG	1.3	0.013 UJ	0.013 UJ	R	0.012 U	0.011 UJ
Toluene	MG/KG	0.7	0.013 UJ	0.013 UJ	0.0010 J	0.012 U	0.011 UJ
Trichloroethene	MG/KG	0.47	0.013 UJ	0.013 UJ	0.011 UJ	0.012 U	0.011 UJ
Trichlorofluoromethane	MG/KG	-	0.013 UJ	0.013 UJ	0.011 UJ	0.012 U	0.011 UJ
Vinyl chloride	MG/KG	0.02	0.013 UJ	0.013 UJ	0.011 UJ	0.012 U	0.011 UJ
Xylene (total)	MG/KG	0.26	0.013 UJ	0.013 UJ	R	0.012 U	0.011 UJ
Semivolatile Organic Compounds							
1,1-Biphenyl	MG/KG	60	0.42 U	0.42 U	0.37 U	0.39 U	0.37 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.
U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-05	SB-05	SB-05	SB-05	SB-06
Sample ID			SB-5 (14-16)	SB-5 (16-18)	SB-5 (18-20)	SB-5 (0-0.5)	SB-6 (0-2)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			14.0-16.0	16.0-18.0	18.0-20.0	0.0-0.5	0.0-2.0
Date Sampled			05/17/13	05/17/13	05/17/13	05/22/13	05/17/13
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
2,2-oxybis(1-Chloropropane)	MG/KG	-	0.42 UJ	0.42 UJ	0.37 UJ	0.39 UJ	0.37 UJ
2,4,5-Trichlorophenol	MG/KG	0.1	1.1 U	1.0 U	0.92 U	0.99 U	0.92 U
2,4,6-Trichlorophenol	MG/KG	10	0.42 U	0.42 U	0.37 U	0.39 U	0.37 U
2,4-Dichlorophenol	MG/KG	0.4	0.42 U	0.42 U	0.37 U	0.39 U	0.37 U
2,4-Dimethylphenol	MG/KG	-	0.42 U	0.42 U	0.37 U	0.39 U	0.37 U
2,4-Dinitrophenol	MG/KG	0.2	1.1 U	1.0 U	0.92 U	0.99 U	0.92 U
2,4-Dinitrotoluene	MG/KG	-	0.42 U	0.42 U	0.37 U	0.39 U	0.37 U
2,6-Dinitrotoluene	MG/KG	0.17	0.42 U	0.42 U	0.37 U	0.39 U	0.37 U
2-Chloronaphthalene	MG/KG	-	0.42 U	0.42 U	0.37 U	0.39 U	0.37 U
2-Chlorophenol	MG/KG	0.8	0.42 U	0.42 U	0.37 U	0.39 U	0.37 U
2-Methylnaphthalene	MG/KG	0.41	0.42 U	0.42 U	0.37 U	0.39 U	0.37 U
2-Methylphenol (o-cresol)	MG/KG	0.33	0.25 U	0.25 U	0.22 U	0.24 U	0.22 U
2-Nitroaniline	MG/KG	0.4	1.1 U	1.0 U	0.92 U	0.99 U	0.92 U
2-Nitrophenol	MG/KG	0.3	0.42 U	0.42 U	0.37 U	0.39 U	0.37 U
3,3-Dichlorobenzidine	MG/KG	-	0.42 U	0.42 U	0.37 U	0.39 U	0.37 U
3-Nitroaniline	MG/KG	0.5	1.1 U	1.0 U	0.92 U	0.99 U	0.92 U
4,6-Dinitro-2-methylphenol	MG/KG	-	1.1 U	1.0 U	0.92 U	0.99 U	0.92 U
4-Bromophenyl-phenylether	MG/KG	-	0.42 U	0.42 U	0.37 U	0.39 U	0.37 U
4-Chloro-3-methylphenol	MG/KG	-	0.42 U	0.42 U	0.37 U	0.39 U	0.37 U
4-Chloroaniline	MG/KG	0.22	0.42 U	0.42 U	0.37 U	0.39 U	0.37 U
4-Chlorophenyl-phenylether	MG/KG	-	0.42 U	0.42 U	0.37 U	0.39 U	0.37 U
4-Methylphenol (p-cresol)	MG/KG	0.33	0.25 U	0.25 U	0.22 U	0.24 U	0.22 U
4-Nitroaniline	MG/KG	-	1.1 U	1.0 U	0.92 U	0.99 U	0.92 U
4-Nitrophenol	MG/KG	0.1	1.1 U	1.0 U	0.92 U	0.99 U	0.92 U
Acenaphthene	MG/KG	20	0.42 U	0.42 U	0.37 U	0.39 U	0.37 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-05	SB-05	SB-05	SB-05	SB-06
Sample ID			SB-5 (14-16)	SB-5 (16-18)	SB-5 (18-20)	SB-5 (0-0.5)	SB-6 (0-2)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			14.0-16.0	16.0-18.0	18.0-20.0	0.0-0.5	0.0-2.0
Date Sampled			05/17/13	05/17/13	05/17/13	05/22/13	05/17/13
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
Acenaphthylene	MG/KG	100	0.42 U	0.42 U	0.37 U	0.39 U	0.37 U
Acetophenone	MG/KG	-	0.42 UJ	0.42 UJ	0.37 UJ	0.39 UJ	0.37 UJ
Anthracene	MG/KG	100	0.42 U	0.42 U	0.37 U	0.39 U	0.37 U
Atrazine	MG/KG	-	0.42 U	0.42 U	0.37 U	0.39 U	0.37 U
Benzaldehyde	MG/KG	-	0.42 UJ	0.42 UJ	0.37 UJ	0.39 UJ	0.37 UJ
Benzo(a)anthracene	MG/KG	1	0.42 U	0.42 U	0.37 U	0.39 U	0.37 U
Benzo(a)pyrene	MG/KG	1	0.42 U	0.42 U	0.37 U	0.39 U	0.37 U
Benzo(b)fluoranthene	MG/KG	1	0.42 U	0.42 U	0.37 U	0.39 U	0.37 U
Benzo(g,h,i)perylene	MG/KG	100	0.42 U	0.42 U	0.37 U	0.39 U	0.37 U
Benzo(k)fluoranthene	MG/KG	0.8	0.42 U	0.42 U	0.37 U	0.39 U	0.37 U
bis(2-Chloroethoxy)methane	MG/KG	-	0.42 U	0.42 U	0.37 U	0.39 U	0.37 U
bis(2-Chloroethyl)ether	MG/KG	-	0.42 U	0.42 U	0.37 U	0.39 U	0.37 U
bis(2-Ethylhexyl)phthalate	MG/KG	50	0.42 U	0.42 U	0.37 U	0.39 U	0.37 U
Butylbenzylphthalate	MG/KG	100	0.42 U	0.42 U	0.37 U	0.39 U	0.37 U
Caprolactam	MG/KG	-	0.42 U	0.42 U	0.37 U	0.39 U	0.37 U
Carbazole	MG/KG	-	0.42 U	0.42 U	0.37 U	0.39 U	0.37 U
Chrysene	MG/KG	1	0.42 U	0.42 U	0.37 U	0.39 U	0.37 U
Dibenz(a,h)anthracene	MG/KG	0.33	0.25 U	0.25 U	0.22 U	0.24 U	0.22 U
Dibenzofuran	MG/KG	7	0.42 U	0.42 U	0.37 U	0.39 U	0.37 U
Diethylphthalate	MG/KG	7.1	0.42 U	0.42 U	0.37 U	0.39 U	0.37 U
Dimethylphthalate	MG/KG	27	0.42 U	0.42 U	0.37 U	0.39 U	0.37 U
Di-n-butylphthalate	MG/KG	0.014	0.42 U	0.42 U	0.37 U	0.39 U	0.37 U
Di-n-octylphthalate	MG/KG	100	0.42 U	0.42 U	0.37 U	0.39 U	0.37 U
Fluoranthene	MG/KG	100	0.42 U	0.42 U	0.37 U	0.39 U	0.37 U
Fluorene	MG/KG	30	0.42 U	0.42 U	0.37 U	0.39 U	0.37 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.
U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-05	SB-05	SB-05	SB-05	SB-06
Sample ID			SB-5 (14-16)	SB-5 (16-18)	SB-5 (18-20)	SB-5 (0-0.5)	SB-6 (0-2)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			14.0-16.0	16.0-18.0	18.0-20.0	0.0-0.5	0.0-2.0
Date Sampled			05/17/13	05/17/13	05/17/13	05/22/13	05/17/13
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
Hexachlorobenzene	MG/KG	0.33	0.42 U	0.42 U	0.37 U	0.39 U	0.37 U
Hexachlorobutadiene	MG/KG	-	0.42 U	0.42 U	0.37 U	0.39 U	0.37 U
Hexachlorocyclopentadiene	MG/KG	10	0.42 UJ	0.42 UJ	0.37 UJ	0.39 UJ	0.37 UJ
Hexachloroethane	MG/KG	-	0.42 U	0.42 U	0.37 U	0.39 U	0.37 U
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	0.42 U	0.42 U	0.37 U	0.39 U	0.37 U
Isophorone	MG/KG	4.4	0.42 U	0.42 U	0.37 U	0.39 U	0.37 U
Naphthalene	MG/KG	12	0.42 U	0.42 U	0.37 U	0.39 U	0.37 U
Nitrobenzene	MG/KG	0.17	0.42 U	0.42 U	0.37 U	0.39 U	0.37 U
N-Nitroso-di-n-propylamine	MG/KG	-	0.42 U	0.42 U	0.37 U	0.39 U	0.37 U
N-Nitrosodiphenylamine	MG/KG	20	0.42 U	0.42 U	0.37 U	0.39 U	0.37 U
Pentachlorophenol	MG/KG	0.8	0.63 U	0.63 U	0.55 U	0.59 U	0.56 U
Phenanthrene	MG/KG	100	0.42 U	0.42 U	0.37 U	0.39 U	0.37 U
Phenol	MG/KG	0.33	0.25 U	0.25 U	0.22 U	0.24 U	0.22 U
Pyrene	MG/KG	100	0.42 U	0.42 U	0.37 U	0.39 U	0.37 U
Pesticide Organic Compounds							
4,4'-DDD	MG/KG	0.0033	0.0017 NJ	0.0020 U	0.0011 J	0.0020 U	0.0020 U
4,4'-DDE	MG/KG	0.0033	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
4,4'-DDT	MG/KG	0.0033	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Aldrin	MG/KG	0.005	0.0042	0.0030 U	0.0036	0.0030 U	0.0030 U
alpha-BHC	MG/KG	0.02	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
alpha-Chlordane	MG/KG	0.094	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
beta-BHC	MG/KG	0.036	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
delta-BHC	MG/KG	0.04	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Dieldrin	MG/KG	0.005	0.0030 U	0.0030 U	0.0030 U	0.0030 U	0.0030 U
Dimethoate	MG/KG	-	0.042 U	0.041 U	0.036 U	0.039 U	0.036 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-05	SB-05	SB-05	SB-05	SB-06
Sample ID			SB-5 (14-16)	SB-5 (16-18)	SB-5 (18-20)	SB-5 (0-0.5)	SB-6 (0-2)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			14.0-16.0	16.0-18.0	18.0-20.0	0.0-0.5	0.0-2.0
Date Sampled			05/17/13	05/17/13	05/17/13	05/22/13	05/17/13
Parameter	**Units**	**Criteria***					
Pesticide Organic Compounds							
Disulfoton	MG/KG	-	0.042 U	0.041 U	0.036 U	0.039 U	0.036 U
Endosulfan I	MG/KG	2.4	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Endosulfan II	MG/KG	2.4	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endosulfan sulfate	MG/KG	2.4	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endrin	MG/KG	0.014	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endrin aldehyde	MG/KG	-	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endrin ketone	MG/KG	-	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Famphur	MG/KG	-	0.042 U	0.041 U	0.036 U	0.039 U	0.036 U
gamma-BHC (Lindane)	MG/KG	0.1	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
gamma-Chlordane	MG/KG	0.54	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Heptachlor	MG/KG	0.042	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Heptachlor epoxide	MG/KG	0.02	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Methoxychlor	MG/KG	1.2	0.022 U	0.021 U	0.019 U	0.020 U	0.019 U
Methyl parathion	MG/KG	-	0.042 U	0.041 U	0.036 U	0.039 U	0.036 U
Parathion	MG/KG	1.2	0.042 U	0.041 U	0.036 U	0.039 U	0.036 U
Phorate	MG/KG	-	0.042 U	0.041 U	0.036 U	0.039 U	0.036 U
Thionazin	MG/KG	-	0.042 U	0.041 U	0.036 U	0.039 U	0.036 U
Toxaphene	MG/KG	-	0.22 U	0.21 U	0.19 U	0.20 U	0.19 U
Herbicides							
2,4,5-T	MG/KG	1.9	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U
2,4,5-TP (Silvex)	MG/KG	3.8	0.0074	0.006 U	0.006 U	0.006 U	0.006 U
2,4-D	MG/KG	0.5	0.013 U	0.013 U	0.011 U	R	0.011 U
2,4-DB	MG/KG	-	0.013 U	0.013 U	0.011 U	0.012 U	0.13
Dicamba	MG/KG	-	0.004 U	0.004 U	0.003 U	0.004 U	0.003 U
Dinoseb	MG/KG	-	0.005 U	0.005 U	0.004 U	0.005 U	0.004 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-05	SB-05	SB-05	SB-05	SB-06
Sample ID			SB-5 (14-16)	SB-5 (16-18)	SB-5 (18-20)	SB-5 (0-0.5)	SB-6 (0-2)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			14.0-16.0	16.0-18.0	18.0-20.0	0.0-0.5	0.0-2.0
Date Sampled			05/17/13	05/17/13	05/17/13	05/22/13	05/17/13
Parameter	**Units**	**Criteria***					
Herbicides							
Picrolam	MG/KG	-	0.013 U	0.013 U	0.011 U	0.012 UJ	0.011 U
Polychlorinated Biphenyls							
Aroclor 1016	MG/KG	-	0.042 U	0.042 U	0.037 U	0.039 U	0.037 U
Aroclor 1221	MG/KG	-	0.085 U	0.084 U	0.074 U	0.079 U	0.075 U
Aroclor 1232	MG/KG	-	0.042 U	0.042 U	0.037 U	0.039 U	0.037 U
Aroclor 1242	MG/KG	-	0.042 U	0.042 U	0.037 U	0.039 U	0.037 U
Aroclor 1248	MG/KG	-	0.042 U	0.042 U	0.037 U	0.039 U	0.037 U
Aroclor 1254	MG/KG	-	0.042 U	0.042 U	0.037 U	0.039 U	0.037 U
Aroclor 1260	MG/KG	-	0.042 U	0.042 U	0.037 U	0.039 U	0.037 U
Total Polychlorinated Biphenyls	MG/KG	0.1	ND	ND	ND	ND	ND
Metals							
Aluminum	MG/KG	10000	9,870	10,200	6,650	8,470	7,460
Antimony	MG/KG	12	0.15 U	0.15 U	0.24 J	0.23 J	0.13 U
Arsenic	MG/KG	13	3.8	2.0	4.2	2.9	1.8
Barium	MG/KG	350	54.4	59.0	62.1	28.5	28.2
Beryllium	MG/KG	7.2	0.51 U	0.57 U	0.35 U	0.35 J	0.31 U
Cadmium	MG/KG	2.5	0.013 U	0.013 U	0.011 U	0.012 U	0.011 U
Calcium	MG/KG	10000	13,300	21,200	35,200	2,140	1,950
Chromium	MG/KG	30	17.3	20.9	15.4	13.2	8.4
Cobalt	MG/KG	20	9.4	8.4	8.1	5.0 J	4.8 J
Copper	MG/KG	50	7.2	7.9	16.0	8.0	4.4
Iron	MG/KG	2000	21,400	19,300	18,600	13,700	12,200
Lead	MG/KG	63	0.23 J+	3.2 J+	8.4 J+	21.0	6.2 J+
Magnesium	MG/KG	-	5,240	5,300	8,540	2,100	1,660
Manganese	MG/KG	1600	316	319	304	225	157

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-05	SB-05	SB-05	SB-05	SB-06
Sample ID			SB-5 (14-16)	SB-5 (16-18)	SB-5 (18-20)	SB-5 (0-0.5)	SB-6 (0-2)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			14.0-16.0	16.0-18.0	18.0-20.0	0.0-0.5	0.0-2.0
Date Sampled			05/17/13	05/17/13	05/17/13	05/22/13	05/17/13
Parameter	**Units**	**Criteria***					
Metals							
Mercury	MG/KG	0.18	0.021 U	0.021 U	0.019 U	0.031 U	0.019 U
Nickel	MG/KG	30	9.9	9.6	15.0	9.3	5.6
Potassium	MG/KG	-	2,180	2,130	1,500	751	515 U
Selenium	MG/KG	3.9	0.29 UJ	0.29 UJ	0.26 UJ	0.27 U	0.26 UJ
Silver	MG/KG	2	0.026 U	0.025 U	0.022 U	0.024 U	0.022 U
Sodium	MG/KG	-	768	730	277 J	150 U	141 U
Thallium	MG/KG	5	0.24 U	0.24 U	0.21 U	0.23 U	0.21 U
Vanadium	MG/KG	39	33.9	35.3	21.0	17.6	17.2
Zinc	MG/KG	109	50.5	57.0	58.9	42.8	35.5

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.
U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-06	SB-06	SB-06	SB-06	SB-06
Sample ID			SB-6 (2-4)	SB-6 (4-6)	SB-6 (6-8)	SB-6 (8-10)	SB-6 (10-12)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0	10.0-12.0
Date Sampled			05/17/13	05/17/13	05/17/13	05/17/13	05/17/13
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
1,1,1-Trichloroethane	MG/KG	0.68	0.011 UJ	0.011 UJ	0.011 UJ	0.012 UJ	0.013 UJ
1,1,2,2-Tetrachloroethane	MG/KG	0.6	0.011 UJ	0.011 UJ	0.011 UJ	0.012 UJ	0.013 UJ
1,1,2-Trichloro-1,2,2-trifluoroethane	MG/KG	6	0.011 UJ	0.011 UJ	0.011 UJ	0.012 UJ	0.013 UJ
1,1,2-Trichloroethane	MG/KG	-	0.011 UJ	0.011 UJ	0.011 UJ	0.012 UJ	0.013 UJ
1,1-Dichloroethane	MG/KG	0.27	0.011 UJ	0.011 UJ	0.011 UJ	0.012 UJ	0.013 UJ
1,1-Dichloroethene	MG/KG	0.33	0.011 UJ	0.011 UJ	0.011 UJ	0.012 UJ	0.013 UJ
1,2,4-Trichlorobenzene	MG/KG	3.4	0.011 UJ	0.011 UJ	0.011 UJ	0.012 UJ	0.013 UJ
1,2-Dibromo-3-chloropropane	MG/KG	-	0.011 UJ	0.011 UJ	0.011 UJ	0.012 UJ	0.013 UJ
1,2-Dibromoethane (Ethylene dibromide)	MG/KG	-	0.011 UJ	0.011 UJ	0.011 UJ	0.012 UJ	0.013 UJ
1,2-Dichlorobenzene	MG/KG	1.1	0.011 UJ	0.011 UJ	0.011 UJ	0.012 UJ	0.013 UJ
1,2-Dichloroethane	MG/KG	0.02	0.011 UJ	0.011 UJ	0.011 UJ	0.012 UJ	0.013 UJ
1,2-Dichloroethene (cis)	MG/KG	0.25	0.011 UJ	0.011 UJ	0.011 UJ	0.012 UJ	0.013 UJ
1,2-Dichloroethene (trans)	MG/KG	0.19	0.011 UJ	0.011 UJ	0.011 UJ	0.012 UJ	0.013 UJ
1,2-Dichloropropane	MG/KG	700	0.011 UJ	0.011 UJ	0.011 UJ	0.012 UJ	0.013 UJ
1,3-Dichlorobenzene	MG/KG	2.4	0.011 UJ	0.011 UJ	0.011 UJ	0.012 UJ	0.013 UJ
1,3-Dichloropropene (cis)	MG/KG	-	0.011 UJ	0.011 UJ	0.011 UJ	0.012 UJ	0.013 UJ
1,3-Dichloropropene (trans)	MG/KG	-	0.011 UJ	0.011 UJ	0.011 UJ	0.012 UJ	0.013 UJ
1,4-Dichlorobenzene	MG/KG	1.8	0.011 UJ	0.011 UJ	0.011 UJ	0.012 UJ	0.013 UJ
2-Hexanone	MG/KG	-	0.011 UJ	0.011 UJ	0.011 UJ	0.012 UJ	0.013 UJ
4-Methyl-2-pentanone	MG/KG	1	0.011 UJ	0.011 UJ	0.011 UJ	0.012 UJ	0.013 UJ
Acetone	MG/KG	0.05	0.011 UJ	0.011 UJ	0.023 J	0.028 J	0.051 J
Benzene	MG/KG	0.06	0.011 UJ	0.011 UJ	0.011 UJ	0.012 UJ	0.013 UJ
Bromodichloromethane	MG/KG	-	0.011 UJ	0.011 UJ	0.011 UJ	0.012 UJ	0.013 UJ
Bromoform	MG/KG	-	0.011 UJ	0.011 UJ	0.011 UJ	0.012 UJ	0.013 UJ
Bromomethane	MG/KG	-	0.011 UJ	0.011 UJ	0.011 UJ	0.012 UJ	0.013 UJ

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

I:\1176892\DB\EDMS.mde
Printed: 10/3/2013 11:56:32 AM
[LOGDATE] >= #5/13/2013# AND [MATRIX] = 'SO' AND [LOCID] <> 'DRUM COMP

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-06	SB-06	SB-06	SB-06	SB-06
Sample ID			SB-6 (2-4)	SB-6 (4-6)	SB-6 (6-8)	SB-6 (8-10)	SB-6 (10-12)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0	10.0-12.0
Date Sampled			05/17/13	05/17/13	05/17/13	05/17/13	05/17/13
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
Carbon disulfide	MG/KG	2.7	0.011 UJ	0.011 UJ	0.011 UJ	0.012 UJ	0.013 UJ
Carbon tetrachloride	MG/KG	0.76	0.011 UJ	0.011 UJ	0.011 UJ	0.012 UJ	0.013 UJ
Chlorobenzene	MG/KG	1.1	0.011 UJ	0.011 UJ	0.011 UJ	0.012 UJ	0.013 UJ
Chloroethane	MG/KG	1.9	0.011 UJ	0.011 UJ	0.011 UJ	0.012 UJ	0.013 UJ
Chloroform	MG/KG	0.37	0.011 UJ	0.011 UJ	0.011 UJ	0.012 UJ	0.013 UJ
Chloromethane	MG/KG	-	0.011 UJ	0.011 UJ	0.011 UJ	0.012 UJ	0.013 UJ
Cyclohexane	MG/KG	-	0.011 UJ	0.011 UJ	0.011 UJ	0.012 UJ	0.013 UJ
Dibromochloromethane	MG/KG	10	0.011 UJ	0.011 UJ	0.011 UJ	0.012 UJ	0.013 UJ
Dichlorodifluoromethane	MG/KG	-	0.011 UJ	0.011 UJ	0.011 UJ	0.012 UJ	0.013 UJ
Ethylbenzene	MG/KG	1	0.011 UJ	0.011 UJ	0.011 UJ	0.012 UJ	0.013 UJ
Isopropylbenzene (Cumene)	MG/KG	2.3	0.011 UJ	0.011 UJ	0.011 UJ	0.012 UJ	0.013 UJ
Methyl acetate	MG/KG	-	0.011 UJ	0.011 UJ	0.011 UJ	0.012 UJ	0.013 UJ
Methyl ethyl ketone (2-Butanone)	MG/KG	0.12	0.011 UJ	0.011 UJ	0.011 UJ	0.012 UJ	0.011 J
Methyl tert-butyl ether	MG/KG	0.93	0.011 UJ	0.011 UJ	0.011 UJ	0.012 UJ	0.013 UJ
Methylcyclohexane	MG/KG	-	0.011 UJ	0.011 UJ	0.011 UJ	0.012 UJ	0.013 UJ
Methylene chloride	MG/KG	0.05	0.011 UJ	0.011 UJ	0.011 UJ	0.012 UJ	0.013 UJ
Styrene	MG/KG	300	0.011 UJ	0.011 UJ	0.011 UJ	0.012 UJ	0.013 UJ
Tetrachloroethene	MG/KG	1.3	0.011 UJ	0.011 UJ	0.011 UJ	0.012 UJ	0.013 UJ
Toluene	MG/KG	0.7	0.011 UJ	0.011 UJ	0.011 UJ	0.012 UJ	0.013 UJ
Trichloroethene	MG/KG	0.47	0.011 UJ	0.011 UJ	0.011 UJ	0.012 UJ	0.013 UJ
Trichlorofluoromethane	MG/KG	-	0.011 UJ	0.011 UJ	0.011 UJ	0.012 UJ	0.013 UJ
Vinyl chloride	MG/KG	0.02	0.011 UJ	0.011 UJ	0.011 UJ	0.012 UJ	0.013 UJ
Xylene (total)	MG/KG	0.26	0.011 UJ	0.011 UJ	0.011 UJ	0.012 UJ	0.013 UJ
Semivolatile Organic Compounds							
1,1-Biphenyl	MG/KG	60	0.37 U	0.36 U	0.37 U	0.40 U	0.43 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-06	SB-06	SB-06	SB-06	SB-06
Sample ID			SB-6 (2-4)	SB-6 (4-6)	SB-6 (6-8)	SB-6 (8-10)	SB-6 (10-12)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0	10.0-12.0
Date Sampled			05/17/13	05/17/13	05/17/13	05/17/13	05/17/13
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
2,2-oxybis(1-Chloropropane)	MG/KG	-	0.37 UJ	0.36 UJ	0.37 UJ	0.40 UJ	0.43 UJ
2,4,5-Trichlorophenol	MG/KG	0.1	0.92 U	0.92 U	0.93 U	0.99 U	1.1 U
2,4,6-Trichlorophenol	MG/KG	10	0.37 U	0.36 U	0.37 U	0.40 U	0.43 U
2,4-Dichlorophenol	MG/KG	0.4	0.37 U	0.36 U	0.37 U	0.40 U	0.43 U
2,4-Dimethylphenol	MG/KG	-	0.37 U	0.36 U	0.37 U	0.40 U	0.43 U
2,4-Dinitrophenol	MG/KG	0.2	0.92 U	0.92 U	0.93 U	0.99 U	1.1 U
2,4-Dinitrotoluene	MG/KG	-	0.37 U	0.36 U	0.37 U	0.40 U	0.43 U
2,6-Dinitrotoluene	MG/KG	0.17	0.37 U	0.36 U	0.37 U	0.40 U	0.43 U
2-Chloronaphthalene	MG/KG	-	0.37 U	0.36 U	0.37 U	0.40 U	0.43 U
2-Chlorophenol	MG/KG	0.8	0.37 U	0.36 U	0.37 U	0.40 U	0.43 U
2-Methylnaphthalene	MG/KG	0.41	0.37 U	0.36 U	0.37 U	0.19 J	0.43 U
2-Methylphenol (o-cresol)	MG/KG	0.33	0.22 U	0.22 U	0.22 U	0.24 U	0.26 U
2-Nitroaniline	MG/KG	0.4	0.92 U	0.92 U	0.93 U	0.99 U	1.1 U
2-Nitrophenol	MG/KG	0.3	0.37 U	0.36 U	0.37 U	0.40 U	0.43 U
3,3-Dichlorobenzidine	MG/KG	-	0.37 U	0.36 U	0.37 U	0.40 U	0.43 U
3-Nitroaniline	MG/KG	0.5	0.92 U	0.92 U	0.93 U	0.99 U	1.1 U
4,6-Dinitro-2-methylphenol	MG/KG	-	0.92 U	0.92 U	0.93 U	0.99 U	1.1 U
4-Bromophenyl-phenylether	MG/KG	-	0.37 U	0.36 U	0.37 U	0.40 U	0.43 U
4-Chloro-3-methylphenol	MG/KG	-	0.37 U	0.36 U	0.37 U	0.40 U	0.43 U
4-Chloroaniline	MG/KG	0.22	0.37 U	0.36 U	0.37 U	0.40 U	0.43 U
4-Chlorophenyl-phenylether	MG/KG	-	0.37 U	0.36 U	0.37 U	0.40 U	0.43 U
4-Methylphenol (p-cresol)	MG/KG	0.33	0.22 U	0.22 U	0.080 J	0.24 U	0.26 U
4-Nitroaniline	MG/KG	-	0.92 U	0.92 U	0.93 U	0.99 U	1.1 U
4-Nitrophenol	MG/KG	0.1	0.92 U	0.92 U	0.93 U	0.99 U	1.1 U
Acenaphthene	MG/KG	20	0.37 U	0.36 U	0.37 U	0.28 J	0.43 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-06	SB-06	SB-06	SB-06	SB-06
Sample ID			SB-6 (2-4)	SB-6 (4-6)	SB-6 (6-8)	SB-6 (8-10)	SB-6 (10-12)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0	10.0-12.0
Date Sampled			05/17/13	05/17/13	05/17/13	05/17/13	05/17/13
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
Acenaphthylene	MG/KG	100	0.37 U	0.36 U	0.37 U	0.40 U	0.43 U
Acetophenone	MG/KG	-	0.37 UJ	0.36 UJ	0.37 UJ	0.40 UJ	0.43 UJ
Anthracene	MG/KG	100	0.37 U	0.36 U	0.37 U	0.32 J	0.43 U
Atrazine	MG/KG	-	0.37 U	0.36 U	0.37 U	0.30 J	0.43 U
Benzaldehyde	MG/KG	-	0.37 UJ	0.36 UJ	0.37 UJ	0.40 UJ	0.43 UJ
Benzo(a)anthracene	MG/KG	1	0.37 U	0.36 U	0.37 U	1.0	0.43 U
Benzo(a)pyrene	MG/KG	1	0.37 U	0.36 U	0.37 U	0.77	0.43 U
Benzo(b)fluoranthene	MG/KG	1	0.37 U	0.36 U	0.37 U	1.1	0.43 U
Benzo(g,h,i)perylene	MG/KG	100	0.37 U	0.36 U	0.37 U	0.38 J	0.43 U
Benzo(k)fluoranthene	MG/KG	0.8	0.37 U	0.36 U	0.37 U	0.26 J	0.43 U
bis(2-Chloroethoxy)methane	MG/KG	-	0.37 U	0.36 U	0.37 U	0.40 U	0.43 U
bis(2-Chloroethyl)ether	MG/KG	-	0.37 U	0.36 U	0.37 U	0.40 U	0.43 U
bis(2-Ethylhexyl)phthalate	MG/KG	50	0.37 U	0.36 U	0.37 U	0.40 U	0.43 U
Butylbenzylphthalate	MG/KG	100	0.37 U	0.36 U	0.37 U	0.40 U	0.43 U
Caprolactam	MG/KG	-	0.37 U	0.36 U	0.37 U	0.40 U	0.43 U
Carbazole	MG/KG	-	0.37 U	0.36 U	0.37 U	0.33 J	0.43 U
Chrysene	MG/KG	1	0.37 U	0.36 U	0.37 U	1.2	0.43 U
Dibenz(a,h)anthracene	MG/KG	0.33	0.22 U	0.22 U	0.22 U	0.12 J	0.26 U
Dibenzofuran	MG/KG	7	0.37 U	0.36 U	0.37 U	0.21 J	0.43 U
Diethylphthalate	MG/KG	7.1	0.37 U	0.36 U	0.37 U	0.40 U	0.43 U
Dimethylphthalate	MG/KG	27	0.37 U	0.36 U	0.37 U	0.40 U	0.43 U
Di-n-butylphthalate	MG/KG	0.014	0.37 U	0.36 U	0.37 U	0.40 U	0.43 U
Di-n-octylphthalate	MG/KG	100	0.37 U	0.36 U	0.37 U	0.40 U	0.43 U
Fluoranthene	MG/KG	100	0.37 U	0.36 U	0.37 U	2.7	0.43 U
Fluorene	MG/KG	30	0.37 U	0.36 U	0.37 U	0.21 J	0.43 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.
U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-06	SB-06	SB-06	SB-06	SB-06
Sample ID			SB-6 (2-4)	SB-6 (4-6)	SB-6 (6-8)	SB-6 (8-10)	SB-6 (10-12)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0	10.0-12.0
Date Sampled			05/17/13	05/17/13	05/17/13	05/17/13	05/17/13
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
Hexachlorobenzene	MG/KG	0.33	0.37 U	0.36 U	0.37 U	0.40 U	0.43 U
Hexachlorobutadiene	MG/KG	-	0.37 U	0.36 U	0.37 U	0.40 U	0.43 U
Hexachlorocyclopentadiene	MG/KG	10	0.37 UJ	0.36 UJ	0.37 UJ	0.40 UJ	0.43 UJ
Hexachloroethane	MG/KG	-	0.37 U	0.36 U	0.37 U	0.40 U	0.43 U
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	0.37 U	0.36 U	0.37 U	0.30 J	0.43 U
Isophorone	MG/KG	4.4	0.37 U	0.36 U	0.37 U	0.40 U	0.43 U
Naphthalene	MG/KG	12	0.37 U	0.36 U	0.37 U	0.58	0.43 U
Nitrobenzene	MG/KG	0.17	0.37 U	0.36 U	0.37 U	0.40 U	0.43 U
N-Nitroso-di-n-propylamine	MG/KG	-	0.37 U	0.36 U	0.37 U	0.40 U	0.43 U
N-Nitrosodiphenylamine	MG/KG	20	0.37 U	0.36 U	0.37 U	0.40 U	0.43 U
Pentachlorophenol	MG/KG	0.8	0.55 U	0.55 U	0.56 U	0.60 U	0.65 U
Phenanthrene	MG/KG	100	0.37 U	0.36 U	0.37 U	2.2	0.43 U
Phenol	MG/KG	0.33	0.22 U	0.22 U	0.22 U	0.24 U	0.26 U
Pyrene	MG/KG	100	0.37 U	0.36 U	0.37 U	2.1	0.43 U
Pesticide Organic Compounds							
4,4'-DDD	MG/KG	0.0033	0.0020 U	0.0031 J	0.0068	0.0020 U	0.0020 U
4,4'-DDE	MG/KG	0.0033	0.0010 J	0.0020 J	0.0070	0.0020 U	0.0020 U
4,4'-DDT	MG/KG	0.0033	0.0025	0.0025	0.0018 J	0.0020 U	0.0020 U
Aldrin	MG/KG	0.005	0.0030 U	0.0030 U	0.0030 U	0.0030 U	0.0030 U
alpha-BHC	MG/KG	0.02	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
alpha-Chlordane	MG/KG	0.094	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
beta-BHC	MG/KG	0.036	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
delta-BHC	MG/KG	0.04	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Dieldrin	MG/KG	0.005	0.0030 U	0.0025 NJ	0.0037 J	0.0030 U	0.0030 U
Dimethoate	MG/KG	-	0.037 U	0.036 U	0.037 U	0.039 U	0.043 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-06	SB-06	SB-06	SB-06	SB-06
Sample ID			SB-6 (2-4)	SB-6 (4-6)	SB-6 (6-8)	SB-6 (8-10)	SB-6 (10-12)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0	10.0-12.0
Date Sampled			05/17/13	05/17/13	05/17/13	05/17/13	05/17/13
Parameter	**Units**	**Criteria***					
Pesticide Organic Compounds							
Disulfoton	MG/KG	-	0.037 U	0.036 U	0.037 U	0.039 U	0.043 U
Endosulfan I	MG/KG	2.4	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Endosulfan II	MG/KG	2.4	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endosulfan sulfate	MG/KG	2.4	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endrin	MG/KG	0.014	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endrin aldehyde	MG/KG	-	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endrin ketone	MG/KG	-	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Famphur	MG/KG	-	0.037 U	0.036 U	0.037 U	0.039 U	0.043 U
gamma-BHC (Lindane)	MG/KG	0.1	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
gamma-Chlordane	MG/KG	0.54	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Heptachlor	MG/KG	0.042	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Heptachlor epoxide	MG/KG	0.02	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Methoxychlor	MG/KG	1.2	0.019 U	0.019 U	0.019 U	0.020 U	0.022 U
Methyl parathion	MG/KG	-	0.037 U	0.036 U	0.037 U	0.039 U	0.043 U
Parathion	MG/KG	1.2	0.037 U	0.036 U	0.037 U	0.039 U	0.043 U
Phorate	MG/KG	-	0.037 U	0.036 U	0.037 U	0.039 U	0.043 U
Thionazin	MG/KG	-	0.037 U	0.036 U	0.037 U	0.039 U	0.043 U
Toxaphene	MG/KG	-	0.19 U	0.19 U	0.19 U	0.20 U	0.22 U
Herbicides							
2,4,5-T	MG/KG	1.9	0.006 U	0.006 U	0.006 U	R	0.007 U
2,4,5-TP (Silvex)	MG/KG	3.8	0.006 U	0.006 U	0.006 U	0.08	0.007 U
2,4-D	MG/KG	0.5	0.011 U	0.011 U	0.011 U	0.012 U	0.013 U
2,4-DB	MG/KG	-	0.011 U	0.011 U	0.019 NJ	0.012 U	0.013 U
Dicamba	MG/KG	-	0.003 U	0.003 U	0.003 U	0.004 U	0.004 U
Dinoseb	MG/KG	-	0.004 U	0.004 U	0.004 U	0.005 U	0.005 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-06	SB-06	SB-06	SB-06	SB-06
Sample ID			SB-6 (2-4)	SB-6 (4-6)	SB-6 (6-8)	SB-6 (8-10)	SB-6 (10-12)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0	10.0-12.0
Date Sampled			05/17/13	05/17/13	05/17/13	05/17/13	05/17/13
Parameter	**Units**	**Criteria***					
Herbicides							
Picrolam	MG/KG	-	0.011 U	0.011 U	0.011 U	0.012 U	0.013 U
Polychlorinated Biphenyls							
Aroclor 1016	MG/KG	-	0.037 U	0.036 U	0.037 U	0.040 U	0.043 U
Aroclor 1221	MG/KG	-	0.074 U	0.074 U	0.075 U	0.080 U	0.088 U
Aroclor 1232	MG/KG	-	0.037 U	0.036 U	0.037 U	0.040 U	0.043 U
Aroclor 1242	MG/KG	-	0.037 U	0.036 U	0.037 U	0.040 U	0.043 U
Aroclor 1248	MG/KG	-	0.037 U	0.036 U	0.037 U	0.040 U	0.043 U
Aroclor 1254	MG/KG	-	0.037 U	0.036 U	0.037 U	0.040 U	0.043 U
Aroclor 1260	MG/KG	-	0.037 U	0.036 U	0.037 U	0.040 U	0.043 U
Total Polychlorinated Biphenyls	MG/KG	0.1	ND	ND	ND	ND	ND
Metals							
Aluminum	MG/KG	10000	4,710	5,710	5,300	899	17,200
Antimony	MG/KG	12	0.13 U	0.16 J	0.13 U	0.14 U	0.16 U
Arsenic	MG/KG	13	1.0 J	0.88 J	0.94 J	2.0	3.0
Barium	MG/KG	350	14.1 J	22.4	18.9 J	26.4	105
Beryllium	MG/KG	7.2	0.18 U	0.21 U	0.20 U	0.060 U	0.94
Cadmium	MG/KG	2.5	0.011 U	0.011 U	0.011 U	0.012 U	0.013 U
Calcium	MG/KG	10000	2,240	1,100	925	1,470	3,190
Chromium	MG/KG	30	6.3	6.3	5.5	1.6	25.3
Cobalt	MG/KG	20	3.5 J	3.1 J	2.3 J	0.77 J	12.7
Copper	MG/KG	50	2.3 U	11.3	3.2	6.1	20.7
Iron	MG/KG	2000	8,510	7,760	7,060	2,720	22,800
Lead	MG/KG	63	1.3 J+	26.3 J+	28.5 J+	13.4 J+	3.9 J+
Magnesium	MG/KG	-	1,190	1,050	1,040	139 J	3,090
Manganese	MG/KG	1600	88.7	72.3	37.4	14.3	175

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-06	SB-06	SB-06	SB-06	SB-06
Sample ID			SB-6 (2-4)	SB-6 (4-6)	SB-6 (6-8)	SB-6 (8-10)	SB-6 (10-12)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			2.0-4.0	4.0-6.0	6.0-8.0	8.0-10.0	10.0-12.0
Date Sampled			05/17/13	05/17/13	05/17/13	05/17/13	05/17/13
Parameter	**Units**	**Criteria***					
Metals							
Mercury	MG/KG	0.18	0.019 U	0.032 J	0.019 U	0.036 J	0.027 J
Nickel	MG/KG	30	3.6 U	3.6 U	3.2 U	1.1 U	23.2
Potassium	MG/KG	-	363 U	201 U	202 U	260 U	1,510
Selenium	MG/KG	3.9	0.26 UJ	0.25 UJ	0.26 UJ	0.77 J	0.30 UJ
Silver	MG/KG	2	0.022 U	0.022 U	0.022 U	0.024 U	0.026 U
Sodium	MG/KG	-	140 U	140 U	142 U	152 U	178 J
Thallium	MG/KG	5	0.21 U	0.21 U	0.21 U	0.23 U	0.25 U
Vanadium	MG/KG	39	13.7	11.6	10.6	1.6 J	33.0
Zinc	MG/KG	109	16.8	44.6	49.2	4.1	76.2

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.
U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-06	SB-06	SB-06	SB-06	SB-06
Sample ID			SB-6 (12-14)	SB-6 (14-16)	SB-6 (16-18)	SB-6 (18-20)	SB-6 (0-0.5)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			12.0-14.0	14.0-16.0	16.0-18.0	18.0-20.0	0.0-0.5
Date Sampled			05/17/13	05/17/13	05/17/13	05/17/13	05/22/13
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
1,1,1-Trichloroethane	MG/KG	0.68	0.013 UJ	0.012 UJ	0.012 UJ	0.011 UJ	0.012 U
1,1,2,2-Tetrachloroethane	MG/KG	0.6	0.013 UJ	0.012 UJ	0.012 UJ	0.011 UJ	0.012 U
1,1,2-Trichloro-1,2,2-trifluoroethane	MG/KG	6	0.013 UJ	0.012 UJ	0.012 UJ	0.011 UJ	0.012 U
1,1,2-Trichloroethane	MG/KG	-	0.013 UJ	0.012 UJ	0.012 UJ	0.011 UJ	0.012 U
1,1-Dichloroethane	MG/KG	0.27	0.013 UJ	0.012 UJ	0.012 UJ	0.011 UJ	0.012 U
1,1-Dichloroethene	MG/KG	0.33	0.013 UJ	0.012 UJ	0.012 UJ	0.011 UJ	0.012 U
1,2,4-Trichlorobenzene	MG/KG	3.4	0.013 UJ	0.012 UJ	0.012 UJ	0.011 UJ	0.012 U
1,2-Dibromo-3-chloropropane	MG/KG	-	0.013 UJ	0.012 UJ	0.012 UJ	R	0.012 U
1,2-Dibromoethane (Ethylene dibromide)	MG/KG	-	0.013 UJ	0.012 UJ	0.012 UJ	0.011 UJ	0.012 U
1,2-Dichlorobenzene	MG/KG	1.1	0.013 UJ	0.012 UJ	0.012 UJ	0.011 UJ	0.012 U
1,2-Dichloroethane	MG/KG	0.02	0.013 UJ	0.012 UJ	0.012 UJ	0.011 UJ	0.012 U
1,2-Dichloroethene (cis)	MG/KG	0.25	0.013 UJ	0.012 UJ	0.012 UJ	0.011 UJ	0.012 U
1,2-Dichloroethene (trans)	MG/KG	0.19	0.013 UJ	0.012 UJ	0.012 UJ	0.011 UJ	0.012 U
1,2-Dichloropropane	MG/KG	700	0.013 UJ	0.012 UJ	0.012 UJ	0.011 UJ	0.012 U
1,3-Dichlorobenzene	MG/KG	2.4	0.013 UJ	0.012 UJ	0.012 UJ	0.011 UJ	0.012 U
1,3-Dichloropropene (cis)	MG/KG	-	0.013 UJ	0.012 UJ	0.012 UJ	0.011 UJ	0.012 U
1,3-Dichloropropene (trans)	MG/KG	-	0.013 UJ	0.012 UJ	0.012 UJ	0.011 UJ	0.012 U
1,4-Dichlorobenzene	MG/KG	1.8	0.013 UJ	0.012 UJ	0.012 UJ	0.011 UJ	0.012 U
2-Hexanone	MG/KG	-	0.013 UJ	0.012 UJ	0.012 UJ	0.011 UJ	0.012 U
4-Methyl-2-pentanone	MG/KG	1	0.013 UJ	0.012 UJ	0.012 UJ	0.011 UJ	0.012 U
Acetone	MG/KG	0.05	0.031 J	0.010 J	0.011 J	0.011 UJ	0.012 U
Benzene	MG/KG	0.06	0.013 UJ	0.012 UJ	0.012 UJ	0.011 UJ	0.012 U
Bromodichloromethane	MG/KG	-	0.013 UJ	0.012 UJ	0.012 UJ	0.011 UJ	0.012 U
Bromoform	MG/KG	-	0.013 UJ	0.012 UJ	0.012 UJ	0.011 UJ	0.012 UJ
Bromomethane	MG/KG	-	0.013 UJ	0.012 UJ	0.012 UJ	0.011 UJ	0.012 UJ

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-06	SB-06	SB-06	SB-06	SB-06
Sample ID			SB-6 (12-14)	SB-6 (14-16)	SB-6 (16-18)	SB-6 (18-20)	SB-6 (0-0.5)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			12.0-14.0	14.0-16.0	16.0-18.0	18.0-20.0	0.0-0.5
Date Sampled			05/17/13	05/17/13	05/17/13	05/17/13	05/22/13
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
Carbon disulfide	MG/KG	2.7	0.013 UJ	0.012 UJ	0.012 UJ	0.011 UJ	0.012 U
Carbon tetrachloride	MG/KG	0.76	0.013 UJ	0.012 UJ	0.012 UJ	0.011 UJ	0.012 U
Chlorobenzene	MG/KG	1.1	0.013 UJ	0.012 UJ	0.012 UJ	0.011 UJ	0.012 U
Chloroethane	MG/KG	1.9	0.013 UJ	0.012 UJ	0.012 UJ	0.011 UJ	0.012 U
Chloroform	MG/KG	0.37	0.013 UJ	0.012 UJ	0.012 UJ	0.011 UJ	0.012 U
Chloromethane	MG/KG	-	0.013 UJ	0.012 UJ	0.012 UJ	0.011 UJ	0.012 U
Cyclohexane	MG/KG	-	0.013 UJ	0.012 UJ	0.012 UJ	0.011 UJ	0.012 U
Dibromochloromethane	MG/KG	10	0.013 UJ	0.012 UJ	0.012 UJ	0.011 UJ	0.012 U
Dichlorodifluoromethane	MG/KG	-	0.013 UJ	0.012 UJ	0.012 UJ	0.011 UJ	0.012 U
Ethylbenzene	MG/KG	1	0.013 UJ	0.012 UJ	0.012 UJ	0.011 UJ	0.012 U
Isopropylbenzene (Cumene)	MG/KG	2.3	0.013 UJ	0.012 UJ	0.012 UJ	0.011 UJ	0.012 U
Methyl acetate	MG/KG	-	0.013 UJ	0.012 UJ	0.012 UJ	0.011 UJ	0.012 U
Methyl ethyl ketone (2-Butanone)	MG/KG	0.12	0.012 J	0.012 UJ	0.012 UJ	0.011 UJ	0.012 U
Methyl tert-butyl ether	MG/KG	0.93	0.013 UJ	0.012 UJ	0.012 UJ	0.011 UJ	0.012 U
Methylcyclohexane	MG/KG	-	0.013 UJ	0.012 UJ	0.012 UJ	0.011 UJ	0.012 U
Methylene chloride	MG/KG	0.05	0.013 UJ	0.012 UJ	0.012 UJ	0.0020 J	0.012 U
Styrene	MG/KG	300	0.013 UJ	0.012 UJ	0.012 UJ	0.011 UJ	0.012 U
Tetrachloroethene	MG/KG	1.3	0.013 UJ	0.012 UJ	0.012 UJ	0.011 UJ	0.012 U
Toluene	MG/KG	0.7	0.013 UJ	0.012 UJ	0.012 UJ	0.011 UJ	0.012 U
Trichloroethene	MG/KG	0.47	0.013 UJ	0.012 UJ	0.012 UJ	0.011 UJ	0.012 U
Trichlorofluoromethane	MG/KG	-	0.013 UJ	0.012 UJ	0.012 UJ	0.011 UJ	0.012 U
Vinyl chloride	MG/KG	0.02	0.013 UJ	0.012 UJ	0.012 UJ	0.011 UJ	0.012 U
Xylene (total)	MG/KG	0.26	0.013 UJ	0.012 UJ	0.012 UJ	0.011 UJ	0.012 U
Semivolatile Organic Compounds							
1,1-Biphenyl	MG/KG	60	0.41 U	0.40 U	0.40 U	0.36 U	0.40 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-06	SB-06	SB-06	SB-06	SB-06
Sample ID			SB-6 (12-14)	SB-6 (14-16)	SB-6 (16-18)	SB-6 (18-20)	SB-6 (0-0.5)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			12.0-14.0	14.0-16.0	16.0-18.0	18.0-20.0	0.0-0.5
Date Sampled			05/17/13	05/17/13	05/17/13	05/17/13	05/22/13
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
2,2-oxybis(1-Chloropropane)	MG/KG	-	0.41 UJ	0.40 UJ	0.40 UJ	0.36 UJ	0.40 UJ
2,4,5-Trichlorophenol	MG/KG	0.1	1.0 U	1.0 U	1.0 U	0.90 U	1.0 U
2,4,6-Trichlorophenol	MG/KG	10	0.41 U	0.40 U	0.40 U	0.36 U	0.40 U
2,4-Dichlorophenol	MG/KG	0.4	0.41 U	0.40 U	0.40 U	0.36 U	0.40 U
2,4-Dimethylphenol	MG/KG	-	0.41 U	0.40 U	0.40 U	0.36 U	0.40 U
2,4-Dinitrophenol	MG/KG	0.2	1.0 U	1.0 U	1.0 U	0.90 U	1.0 U
2,4-Dinitrotoluene	MG/KG	-	0.41 U	0.40 U	0.40 U	0.36 U	0.40 U
2,6-Dinitrotoluene	MG/KG	0.17	0.41 U	0.40 U	0.40 U	0.36 U	0.40 U
2-Chloronaphthalene	MG/KG	-	0.41 U	0.40 U	0.40 U	0.36 U	0.40 U
2-Chlorophenol	MG/KG	0.8	0.41 U	0.40 U	0.40 U	0.36 U	0.40 U
2-Methylnaphthalene	MG/KG	0.41	0.41 U	0.40 U	0.40 U	0.36 U	0.40 U
2-Methylphenol (o-cresol)	MG/KG	0.33	0.25 U	0.25 U	0.24 U	0.22 U	0.24 U
2-Nitroaniline	MG/KG	0.4	1.0 U	1.0 U	1.0 U	0.90 U	1.0 U
2-Nitrophenol	MG/KG	0.3	0.41 U	0.40 U	0.40 U	0.36 U	0.40 U
3,3-Dichlorobenzidine	MG/KG	-	0.41 U	0.40 U	0.40 U	0.36 U	0.40 U
3-Nitroaniline	MG/KG	0.5	1.0 U	1.0 U	1.0 U	0.90 U	1.0 U
4,6-Dinitro-2-methylphenol	MG/KG	-	1.0 U	1.0 U	1.0 U	0.90 U	1.0 U
4-Bromophenyl-phenylether	MG/KG	-	0.41 U	0.40 U	0.40 U	0.36 U	0.40 U
4-Chloro-3-methylphenol	MG/KG	-	0.41 U	0.40 U	0.40 U	0.36 U	0.40 U
4-Chloroaniline	MG/KG	0.22	0.41 U	0.40 U	0.40 U	0.36 U	0.40 U
4-Chlorophenyl-phenylether	MG/KG	-	0.41 U	0.40 U	0.40 U	0.36 U	0.40 U
4-Methylphenol (p-cresol)	MG/KG	0.33	0.25 U	0.25 U	0.24 U	0.22 U	0.24 U
4-Nitroaniline	MG/KG	-	1.0 U	1.0 U	1.0 U	0.90 U	1.0 U
4-Nitrophenol	MG/KG	0.1	1.0 U	1.0 U	1.0 U	0.90 U	1.0 U
Acenaphthene	MG/KG	20	0.41 U	0.40 U	0.40 U	0.36 U	0.40 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-06	SB-06	SB-06	SB-06	SB-06
Sample ID			SB-6 (12-14)	SB-6 (14-16)	SB-6 (16-18)	SB-6 (18-20)	SB-6 (0-0.5)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			12.0-14.0	14.0-16.0	16.0-18.0	18.0-20.0	0.0-0.5
Date Sampled			05/17/13	05/17/13	05/17/13	05/17/13	05/22/13
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
Acenaphthylene	MG/KG	100	0.41 U	0.40 U	0.40 U	0.36 U	0.40 U
Acetophenone	MG/KG	-	0.41 UJ	0.40 UJ	0.40 UJ	0.36 UJ	0.40 U
Anthracene	MG/KG	100	0.41 U	0.40 U	0.40 U	0.36 U	0.40 U
Atrazine	MG/KG	-	0.41 U	0.40 U	0.40 U	0.36 U	0.40 U
Benzaldehyde	MG/KG	-	0.41 UJ	0.40 UJ	0.40 UJ	0.36 UJ	0.40 U
Benzo(a)anthracene	MG/KG	1	0.41 U	0.40 U	0.40 U	0.36 U	0.40 U
Benzo(a)pyrene	MG/KG	1	0.41 U	0.40 U	0.40 U	0.36 U	0.40 U
Benzo(b)fluoranthene	MG/KG	1	0.41 U	0.40 U	0.40 U	0.36 U	0.40 U
Benzo(g,h,i)perylene	MG/KG	100	0.41 U	0.40 U	0.40 U	0.36 U	0.40 U
Benzo(k)fluoranthene	MG/KG	0.8	0.41 U	0.40 U	0.40 U	0.36 U	0.40 U
bis(2-Chloroethoxy)methane	MG/KG	-	0.41 U	0.40 U	0.40 U	0.36 U	0.40 U
bis(2-Chloroethyl)ether	MG/KG	-	0.41 U	0.40 U	0.40 U	0.36 U	0.40 U
bis(2-Ethylhexyl)phthalate	MG/KG	50	0.41 U	0.40 U	0.40 U	0.36 U	0.40 U
Butylbenzylphthalate	MG/KG	100	0.41 U	0.40 U	0.40 U	0.36 U	0.40 U
Caprolactam	MG/KG	-	0.41 U	0.40 U	0.40 U	0.36 U	0.40 U
Carbazole	MG/KG	-	0.41 U	0.40 U	0.40 U	0.36 U	0.40 U
Chrysene	MG/KG	1	0.41 U	0.40 U	0.40 U	0.36 U	0.40 U
Dibenz(a,h)anthracene	MG/KG	0.33	0.25 U	0.25 U	0.24 U	0.22 U	0.24 U
Dibenzofuran	MG/KG	7	0.41 U	0.40 U	0.40 U	0.36 U	0.40 U
Diethylphthalate	MG/KG	7.1	0.41 U	0.40 U	0.40 U	0.36 U	0.40 U
Dimethylphthalate	MG/KG	27	0.41 U	0.40 U	0.40 U	0.36 U	0.40 U
Di-n-butylphthalate	MG/KG	0.014	0.41 U	0.40 U	0.40 U	0.36 U	0.40 U
Di-n-octylphthalate	MG/KG	100	0.41 U	0.40 U	0.40 U	0.36 U	0.40 U
Fluoranthene	MG/KG	100	0.41 U	0.40 U	0.40 U	0.36 U	0.40 U
Fluorene	MG/KG	30	0.41 U	0.40 U	0.40 U	0.36 U	0.40 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.
U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-06	SB-06	SB-06	SB-06	SB-06
Sample ID			SB-6 (12-14)	SB-6 (14-16)	SB-6 (16-18)	SB-6 (18-20)	SB-6 (0-0.5)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			12.0-14.0	14.0-16.0	16.0-18.0	18.0-20.0	0.0-0.5
Date Sampled			05/17/13	05/17/13	05/17/13	05/17/13	05/22/13
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
Hexachlorobenzene	MG/KG	0.33	0.41 U	0.40 U	0.40 U	0.36 U	0.40 U
Hexachlorobutadiene	MG/KG	-	0.41 U	0.40 U	0.40 U	0.36 U	0.40 U
Hexachlorocyclopentadiene	MG/KG	10	0.41 UJ	0.40 UJ	0.40 UJ	0.36 UJ	0.40 UJ
Hexachloroethane	MG/KG	-	0.41 U	0.40 U	0.40 U	0.36 U	0.40 U
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	0.41 U	0.40 U	0.40 U	0.36 U	0.40 U
Isophorone	MG/KG	4.4	0.41 U	0.40 U	0.40 U	0.36 U	0.40 U
Naphthalene	MG/KG	12	0.41 U	0.40 U	0.40 U	0.36 U	0.40 U
Nitrobenzene	MG/KG	0.17	0.41 U	0.40 U	0.40 U	0.36 U	0.40 U
N-Nitroso-di-n-propylamine	MG/KG	-	0.41 U	0.40 U	0.40 U	0.36 U	0.40 UJ
N-Nitrosodiphenylamine	MG/KG	20	0.41 U	0.40 U	0.40 U	0.36 U	0.40 U
Pentachlorophenol	MG/KG	0.8	0.63 U	0.61 U	0.61 U	0.54 U	0.60 U
Phenanthrene	MG/KG	100	0.41 U	0.40 U	0.40 U	0.36 U	0.40 U
Phenol	MG/KG	0.33	0.25 U	0.25 U	0.24 U	0.22 U	0.24 U
Pyrene	MG/KG	100	0.41 U	0.40 U	0.40 U	0.36 U	0.40 U
Pesticide Organic Compounds							
4,4'-DDD	MG/KG	0.0033	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
4,4'-DDE	MG/KG	0.0033	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
4,4'-DDT	MG/KG	0.0033	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Aldrin	MG/KG	0.005	0.0030 U	0.0030 U	0.0030 U	0.0030 U	0.0030 U
alpha-BHC	MG/KG	0.02	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
alpha-Chlordane	MG/KG	0.094	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
beta-BHC	MG/KG	0.036	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
delta-BHC	MG/KG	0.04	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Dieldrin	MG/KG	0.005	0.0030 U	0.0030 U	0.0030 U	0.0030 U	0.0030 U
Dimethoate	MG/KG	-	0.041 U	0.040 U	0.040 U	0.036 U	0.039 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-06	SB-06	SB-06	SB-06	SB-06
Sample ID			SB-6 (12-14)	SB-6 (14-16)	SB-6 (16-18)	SB-6 (18-20)	SB-6 (0-0.5)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			12.0-14.0	14.0-16.0	16.0-18.0	18.0-20.0	0.0-0.5
Date Sampled			05/17/13	05/17/13	05/17/13	05/17/13	05/22/13
Parameter	**Units**	**Criteria***					
Pesticide Organic Compounds							
Disulfoton	MG/KG	-	0.041 U	0.040 U	0.040 U	0.036 U	0.039 U
Endosulfan I	MG/KG	2.4	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Endosulfan II	MG/KG	2.4	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endosulfan sulfate	MG/KG	2.4	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endrin	MG/KG	0.014	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endrin aldehyde	MG/KG	-	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endrin ketone	MG/KG	-	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Famphur	MG/KG	-	0.041 U	0.040 U	0.040 U	0.036 U	0.039 U
gamma-BHC (Lindane)	MG/KG	0.1	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
gamma-Chlordane	MG/KG	0.54	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Heptachlor	MG/KG	0.042	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Heptachlor epoxide	MG/KG	0.02	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Methoxychlor	MG/KG	1.2	0.021 U	0.021 U	0.021 U	0.018 U	0.020 U
Methyl parathion	MG/KG	-	0.041 U	0.040 U	0.040 U	0.036 U	0.039 U
Parathion	MG/KG	1.2	0.041 U	0.040 U	0.040 U	0.036 U	0.039 U
Phorate	MG/KG	-	0.041 U	0.040 U	0.040 U	0.036 U	0.039 U
Thionazin	MG/KG	-	0.041 U	0.040 U	0.040 U	0.036 U	0.039 U
Toxaphene	MG/KG	-	0.21 U	0.21 U	0.21 U	0.18 U	0.20 U
Herbicides							
2,4,5-T	MG/KG	1.9	0.006 U	0.006 U	0.006 U	0.005 U	0.0052 J
2,4,5-TP (Silvex)	MG/KG	3.8	0.006 U	0.006 U	0.006 U	0.005 U	0.0035 J
2,4-D	MG/KG	0.5	0.012 U	0.012 U	0.012 U	0.011 U	0.0083 J
2,4-DB	MG/KG	-	0.012 U	0.012 U	0.012 U	0.011 U	0.024 J
Dicamba	MG/KG	-	0.004 U	0.004 U	0.004 U	0.003 U	0.0033 J
Dinoseb	MG/KG	-	0.005 U	0.005 U	0.005 U	0.004 U	R

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-06	SB-06	SB-06	SB-06	SB-06
Sample ID			SB-6 (12-14)	SB-6 (14-16)	SB-6 (16-18)	SB-6 (18-20)	SB-6 (0-0.5)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			12.0-14.0	14.0-16.0	16.0-18.0	18.0-20.0	0.0-0.5
Date Sampled			05/17/13	05/17/13	05/17/13	05/17/13	05/22/13
Parameter	**Units**	**Criteria***					
Herbicides							
Picrolam	MG/KG	-	0.012 U	0.012 U	0.012 U	0.011 U	0.012 UJ
Polychlorinated Biphenyls							
Aroclor 1016	MG/KG	-	0.041 U	0.040 U	0.040 U	0.036 U	0.040 U
Aroclor 1221	MG/KG	-	0.084 U	0.082 U	0.081 U	0.073 U	0.080 U
Aroclor 1232	MG/KG	-	0.041 U	0.040 U	0.040 U	0.036 U	0.040 U
Aroclor 1242	MG/KG	-	0.041 U	0.040 U	0.040 U	0.036 U	0.040 U
Aroclor 1248	MG/KG	-	0.041 U	0.040 U	0.040 U	0.036 U	0.040 U
Aroclor 1254	MG/KG	-	0.041 U	0.040 U	0.040 U	0.036 U	0.040 U
Aroclor 1260	MG/KG	-	0.041 U	0.040 U	0.040 U	0.036 U	0.040 U
Total Polychlorinated Biphenyls	MG/KG	0.1	ND	ND	ND	ND	ND
Metals							
Aluminum	MG/KG	10000	7,840	10,900	8,310	4,650	7,160
Antimony	MG/KG	12	0.91 J	0.15 U	0.15 U	0.66 J	0.46 J
Arsenic	MG/KG	13	7.4	2.4	2.0	5.7	2.2
Barium	MG/KG	350	39.5	100	93.3	61.8	24.0 J
Beryllium	MG/KG	7.2	0.64	0.55 U	0.44 U	0.29 U	0.28 J
Cadmium	MG/KG	2.5	0.013 U	0.012 U	0.012 U	0.011 U	0.012 U
Calcium	MG/KG	10000	2,240	9,660	16,700	44,700	1,340
Chromium	MG/KG	30	22.2	19.0	15.2	12.4	10.4
Cobalt	MG/KG	20	10.5	11.3	8.1	8.3	4.3 J
Copper	MG/KG	50	31.2	10.1	7.1	17.0	6.2
Iron	MG/KG	2000	29,300	22,800	19,500	16,800	11,800
Lead	MG/KG	63	5.8 J+	0.31 J+	0.12 U	4.1 J+	16.3
Magnesium	MG/KG	-	3,000	6,450	5,750	10,500	1,790
Manganese	MG/KG	1600	121	271	269	317	135

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-06	SB-06	SB-06	SB-06	SB-06
Sample ID			SB-6 (12-14)	SB-6 (14-16)	SB-6 (16-18)	SB-6 (18-20)	SB-6 (0-0.5)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			12.0-14.0	14.0-16.0	16.0-18.0	18.0-20.0	0.0-0.5
Date Sampled			05/17/13	05/17/13	05/17/13	05/17/13	05/22/13
Parameter	**Units**	**Criteria***					
Metals							
Mercury	MG/KG	0.18	0.023 J	0.021 U	0.020 U	0.018 U	0.030 J
Nickel	MG/KG	30	19.1	13.5	9.2	17.5	7.4
Potassium	MG/KG	-	1,430	1,590	1,260	1,140	514 J
Selenium	MG/KG	3.9	0.29 UJ	0.28 UJ	0.28 UJ	0.25 UJ	0.28 U
Silver	MG/KG	2	0.025 U	0.025 U	0.024 U	0.022 U	0.024 U
Sodium	MG/KG	-	158 U	564 J	537 J	138 U	152 U
Thallium	MG/KG	5	0.24 U	0.23 U	0.23 U	0.21 U	0.23 U
Vanadium	MG/KG	39	36.3	35.2	30.8	14.5	15.7
Zinc	MG/KG	109	86.5	51.6	40.8	42.7	34.4

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.
U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-07	SB-07	SB-07	SB-07	SB-07
Sample ID			SB-7 (0-0.5)	SB-7 (0-2)	SB-7 (2-4)	SB-7 (4-6)	SB-7 (6-8)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			0.0-0.5	0.0-2.0	2.0-4.0	4.0-6.0	6.0-8.0
Date Sampled			05/22/13	05/22/13	05/22/13	05/22/13	05/22/13
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
1,1,1-Trichloroethane	MG/KG	0.68	0.012 U	0.011 U	0.011 U	0.011 U	NA
1,1,2,2-Tetrachloroethane	MG/KG	0.6	0.012 U	0.011 U	0.011 U	0.011 U	NA
1,1,2-Trichloro-1,2,2-trifluoroethane	MG/KG	6	0.012 U	0.011 U	0.011 U	0.011 U	NA
1,1,2-Trichloroethane	MG/KG	-	0.012 U	0.011 U	0.011 U	0.011 U	NA
1,1-Dichloroethane	MG/KG	0.27	0.012 U	0.011 U	0.011 U	0.011 U	NA
1,1-Dichloroethene	MG/KG	0.33	0.012 U	0.011 U	0.011 U	0.011 U	NA
1,2,4-Trichlorobenzene	MG/KG	3.4	0.012 U	0.011 U	0.011 U	0.011 U	NA
1,2-Dibromo-3-chloropropane	MG/KG	-	0.012 U	0.011 U	0.011 U	0.011 U	NA
1,2-Dibromoethane (Ethylene dibromide)	MG/KG	-	0.012 U	0.011 U	0.011 U	0.011 U	NA
1,2-Dichlorobenzene	MG/KG	1.1	0.012 U	0.011 U	0.011 U	0.011 U	NA
1,2-Dichloroethane	MG/KG	0.02	0.012 U	0.011 U	0.011 U	0.011 U	NA
1,2-Dichloroethene (cis)	MG/KG	0.25	0.012 U	0.011 U	0.011 U	0.011 U	NA
1,2-Dichloroethene (trans)	MG/KG	0.19	0.012 U	0.011 U	0.011 U	0.011 U	NA
1,2-Dichloropropane	MG/KG	700	0.012 U	0.011 U	0.011 U	0.011 U	NA
1,3-Dichlorobenzene	MG/KG	2.4	0.012 U	0.011 U	0.011 U	0.011 U	NA
1,3-Dichloropropene (cis)	MG/KG	-	0.012 U	0.011 U	0.011 U	0.011 U	NA
1,3-Dichloropropene (trans)	MG/KG	-	0.012 U	0.011 U	0.011 U	0.011 U	NA
1,4-Dichlorobenzene	MG/KG	1.8	0.012 U	0.011 U	0.011 U	0.011 U	NA
2-Hexanone	MG/KG	-	0.012 UJ	0.011 UJ	0.011 UJ	0.011 UJ	NA
4-Methyl-2-pentanone	MG/KG	1	0.012 UJ	0.011 UJ	0.011 UJ	0.011 UJ	NA
Acetone	MG/KG	0.05	0.0060 J	0.011 U	0.011 U	0.011 U	NA
Benzene	MG/KG	0.06	0.012 U	0.011 U	0.011 U	0.011 U	NA
Bromodichloromethane	MG/KG	-	0.012 U	0.011 U	0.011 U	0.011 U	NA
Bromoform	MG/KG	-	0.012 U	0.011 U	0.011 U	0.011 U	NA
Bromomethane	MG/KG	-	0.012 U	0.011 U	0.011 U	0.011 U	NA

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-07	SB-07	SB-07	SB-07	SB-07
Sample ID			SB-7 (0-0.5)	SB-7 (0-2)	SB-7 (2-4)	SB-7 (4-6)	SB-7 (6-8)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			0.0-0.5	0.0-2.0	2.0-4.0	4.0-6.0	6.0-8.0
Date Sampled			05/22/13	05/22/13	05/22/13	05/22/13	05/22/13
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
Carbon disulfide	MG/KG	2.7	0.012 U	0.011 U	0.011 U	0.011 U	NA
Carbon tetrachloride	MG/KG	0.76	0.012 U	0.011 U	0.011 U	0.011 U	NA
Chlorobenzene	MG/KG	1.1	0.012 U	0.011 U	0.011 U	0.011 U	NA
Chloroethane	MG/KG	1.9	0.012 U	0.011 U	0.011 U	0.011 U	NA
Chloroform	MG/KG	0.37	0.012 U	0.011 U	0.011 U	0.011 U	NA
Chloromethane	MG/KG	-	0.012 U	0.011 U	0.011 U	0.011 U	NA
Cyclohexane	MG/KG	-	0.012 U	0.011 U	0.011 U	0.011 U	NA
Dibromochloromethane	MG/KG	10	0.012 U	0.011 U	0.011 U	0.011 U	NA
Dichlorodifluoromethane	MG/KG	-	0.012 UJ	0.011 UJ	0.011 UJ	0.011 UJ	NA
Ethylbenzene	MG/KG	1	0.012 U	0.011 U	0.011 U	0.011 U	NA
Isopropylbenzene (Cumene)	MG/KG	2.3	0.012 U	0.011 U	0.011 U	0.011 U	NA
Methyl acetate	MG/KG	-	0.012 UJ	0.011 U	0.011 U	0.011 U	NA
Methyl ethyl ketone (2-Butanone)	MG/KG	0.12	0.012 UJ	0.011 UJ	0.011 UJ	0.011 UJ	NA
Methyl tert-butyl ether	MG/KG	0.93	0.012 U	0.011 U	0.011 U	0.011 U	NA
Methylcyclohexane	MG/KG	-	0.012 U	0.011 U	0.011 U	0.011 U	NA
Methylene chloride	MG/KG	0.05	0.012 U	0.011 U	0.011 U	0.011 U	NA
Styrene	MG/KG	300	0.012 U	0.011 U	0.011 U	0.011 U	NA
Tetrachloroethene	MG/KG	1.3	0.012 U	0.011 UJ	0.011 UJ	0.011 UJ	NA
Toluene	MG/KG	0.7	0.0020 J	0.011 U	0.011 U	0.011 U	NA
Trichloroethene	MG/KG	0.47	0.012 U	0.011 U	0.011 U	0.011 U	NA
Trichlorofluoromethane	MG/KG	-	0.012 U	0.011 U	0.011 U	0.011 U	NA
Vinyl chloride	MG/KG	0.02	0.012 U	0.011 U	0.011 U	0.011 U	NA
Xylene (total)	MG/KG	0.26	0.012 U	0.011 U	0.011 U	0.011 U	NA
Semivolatile Organic Compounds							
1,1-Biphenyl	MG/KG	60	0.41 U	0.38 U	0.35 U	0.35 U	0.36 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-07	SB-07	SB-07	SB-07	SB-07
Sample ID			SB-7 (0-0.5)	SB-7 (0-2)	SB-7 (2-4)	SB-7 (4-6)	SB-7 (6-8)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			0.0-0.5	0.0-2.0	2.0-4.0	4.0-6.0	6.0-8.0
Date Sampled			05/22/13	05/22/13	05/22/13	05/22/13	05/22/13
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
2,2-oxybis(1-Chloropropane)	MG/KG	-	0.41 UJ	0.38 UJ	0.35 UJ	0.35 UJ	0.36 UJ
2,4,5-Trichlorophenol	MG/KG	0.1	1.0 U	0.95 U	0.89 U	0.89 U	0.90 U
2,4,6-Trichlorophenol	MG/KG	10	0.41 U	0.38 U	0.35 U	0.35 U	0.36 U
2,4-Dichlorophenol	MG/KG	0.4	0.41 U	0.38 U	0.35 U	0.35 U	0.36 U
2,4-Dimethylphenol	MG/KG	-	0.41 U	0.38 U	0.35 U	0.35 U	0.36 U
2,4-Dinitrophenol	MG/KG	0.2	1.0 U	0.95 U	0.89 U	0.89 U	0.90 U
2,4-Dinitrotoluene	MG/KG	-	0.41 U	0.38 U	0.35 U	0.35 U	0.36 U
2,6-Dinitrotoluene	MG/KG	0.17	0.41 U	0.38 U	0.35 U	0.35 U	0.36 U
2-Chloronaphthalene	MG/KG	-	0.41 U	0.38 U	0.35 U	0.35 U	0.36 U
2-Chlorophenol	MG/KG	0.8	0.41 U	0.38 U	0.35 U	0.35 U	0.36 U
2-Methylnaphthalene	MG/KG	0.41	0.41 U	0.38 U	0.35 U	0.35 U	0.58
2-Methylphenol (o-cresol)	MG/KG	0.33	0.25 U	0.23 U	0.21 U	0.21 U	0.22 U
2-Nitroaniline	MG/KG	0.4	1.0 U	0.95 U	0.89 U	0.89 U	0.90 U
2-Nitrophenol	MG/KG	0.3	0.41 U	0.38 U	0.35 U	0.35 U	0.36 U
3,3-Dichlorobenzidine	MG/KG	-	0.41 U	0.38 U	0.35 U	0.35 U	0.36 U
3-Nitroaniline	MG/KG	0.5	1.0 U	0.95 U	0.89 U	0.89 U	0.90 U
4,6-Dinitro-2-methylphenol	MG/KG	-	1.0 U	0.95 U	0.89 U	0.89 U	0.90 U
4-Bromophenyl-phenylether	MG/KG	-	0.41 U	0.38 U	0.35 U	0.35 U	0.36 U
4-Chloro-3-methylphenol	MG/KG	-	0.41 U	0.38 U	0.35 U	0.35 U	0.36 U
4-Chloroaniline	MG/KG	0.22	0.41 U	0.38 U	0.35 U	0.35 U	0.36 U
4-Chlorophenyl-phenylether	MG/KG	-	0.41 U	0.38 U	0.35 U	0.35 U	0.36 U
4-Methylphenol (p-cresol)	MG/KG	0.33	0.25 U	0.23 U	0.21 U	0.21 U	0.22 U
4-Nitroaniline	MG/KG	-	1.0 U	0.95 U	0.89 U	0.89 U	0.90 U
4-Nitrophenol	MG/KG	0.1	1.0 U	0.95 U	0.89 U	0.89 U	0.90 U
Acenaphthene	MG/KG	20	0.41 U	0.38 U	0.35 U	0.35 U	0.36 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-07	SB-07	SB-07	SB-07	SB-07
Sample ID			SB-7 (0-0.5)	SB-7 (0-2)	SB-7 (2-4)	SB-7 (4-6)	SB-7 (6-8)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			0.0-0.5	0.0-2.0	2.0-4.0	4.0-6.0	6.0-8.0
Date Sampled			05/22/13	05/22/13	05/22/13	05/22/13	05/22/13
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
Acenaphthylene	MG/KG	100	0.41 U	0.38 U	0.35 U	0.35 U	0.36 U
Acetophenone	MG/KG	-	0.41 UJ	0.38 UJ	0.35 UJ	0.35 UJ	0.36 UJ
Anthracene	MG/KG	100	0.41 U	0.38 U	0.35 U	0.35 U	0.078 J
Atrazine	MG/KG	-	0.41 U	0.38 U	0.35 U	0.35 U	0.36 U
Benzaldehyde	MG/KG	-	0.41 UJ	0.38 UJ	0.35 UJ	0.35 UJ	0.36 UJ
Benzo(a)anthracene	MG/KG	1	0.41 U	0.38 U	0.35 U	0.35 U	0.13 J
Benzo(a)pyrene	MG/KG	1	0.41 U	0.38 U	0.35 U	0.35 U	0.17 J
Benzo(b)fluoranthene	MG/KG	1	0.15 J	0.38 U	0.35 U	0.35 U	0.29 J
Benzo(g,h,i)perylene	MG/KG	100	0.41 U	0.38 U	0.35 U	0.35 U	0.079 J
Benzo(k)fluoranthene	MG/KG	0.8	0.41 U	0.38 U	0.35 U	0.35 U	0.10 J
bis(2-Chloroethoxy)methane	MG/KG	-	0.41 U	0.38 U	0.35 U	0.35 U	0.36 U
bis(2-Chloroethyl)ether	MG/KG	-	0.41 U	0.38 U	0.35 U	0.35 U	0.36 U
bis(2-Ethylhexyl)phthalate	MG/KG	50	0.41 U	0.38 U	0.35 U	0.35 U	0.077 J
Butylbenzylphthalate	MG/KG	100	0.41 U	0.38 U	0.35 U	0.35 U	0.36 U
Caprolactam	MG/KG	-	0.41 U	0.38 U	0.35 U	0.35 U	0.36 U
Carbazole	MG/KG	-	0.41 U	0.38 U	0.35 U	0.14 J	0.17 J
Chrysene	MG/KG	1	0.41 U	0.38 U	0.35 U	0.35 U	0.20 J
Dibenz(a,h)anthracene	MG/KG	0.33	0.25 U	0.23 U	0.21 U	0.21 U	0.22 U
Dibenzofuran	MG/KG	7	0.41 U	0.38 U	0.35 U	0.35 U	0.12 J
Diethylphthalate	MG/KG	7.1	0.41 U	0.38 U	0.35 U	0.35 U	0.36 U
Dimethylphthalate	MG/KG	27	0.41 U	0.38 U	0.35 U	0.35 U	0.36 U
Di-n-butylphthalate	MG/KG	0.014	0.41 U	0.38 U	0.35 U	0.35 U	0.36 U
Di-n-octylphthalate	MG/KG	100	0.41 U	0.38 U	0.35 U	0.35 U	0.36 U
Fluoranthene	MG/KG	100	0.091 J	0.38 U	0.35 U	0.12 J	0.36
Fluorene	MG/KG	30	0.41 U	0.38 U	0.35 U	0.35 U	0.080 J

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.
U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-07	SB-07	SB-07	SB-07	SB-07
Sample ID			SB-7 (0-0.5)	SB-7 (0-2)	SB-7 (2-4)	SB-7 (4-6)	SB-7 (6-8)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			0.0-0.5	0.0-2.0	2.0-4.0	4.0-6.0	6.0-8.0
Date Sampled			05/22/13	05/22/13	05/22/13	05/22/13	05/22/13
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
Hexachlorobenzene	MG/KG	0.33	0.41 U	0.38 U	0.35 U	0.35 U	0.36 U
Hexachlorobutadiene	MG/KG	-	0.41 U	0.38 U	0.35 U	0.35 U	0.36 U
Hexachlorocyclopentadiene	MG/KG	10	0.41 UJ	0.38 UJ	0.35 UJ	0.35 UJ	0.36 UJ
Hexachloroethane	MG/KG	-	0.41 U	0.38 U	0.35 U	0.35 U	0.36 U
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	0.41 U	0.38 U	0.35 U	0.35 U	0.086 J
Isophorone	MG/KG	4.4	0.41 U	0.38 U	0.35 U	0.35 U	0.36 U
Naphthalene	MG/KG	12	0.41 U	0.38 U	0.35 U	0.35 U	0.45
Nitrobenzene	MG/KG	0.17	0.41 U	0.38 U	0.35 U	0.35 U	0.36 U
N-Nitroso-di-n-propylamine	MG/KG	-	0.41 UJ	0.38 U	0.35 U	0.35 U	0.36 U
N-Nitrosodiphenylamine	MG/KG	20	0.41 U	0.38 U	0.35 U	0.35 U	0.36 U
Pentachlorophenol	MG/KG	0.8	0.62 U	0.57 U	0.54 U	0.53 U	0.54 U
Phenanthrene	MG/KG	100	0.41 U	0.38 U	0.35 U	0.089 J	0.42
Phenol	MG/KG	0.33	0.25 U	0.23 U	0.21 U	0.21 U	0.22 U
Pyrene	MG/KG	100	0.41 U	0.38 U	0.35 U	0.085 J	0.30 J
Pesticide Organic Compounds							
4,4'-DDD	MG/KG	0.0033	0.0020 U	0.0020 U	0.0020 U	0.0027 NJ	0.19 D
4,4'-DDE	MG/KG	0.0033	0.0020 U	0.0031	0.0023	0.0084	0.086 DJ
4,4'-DDT	MG/KG	0.0033	0.0020 U	0.0026	0.0047	0.0051 J	0.0034 NJ
Aldrin	MG/KG	0.005	0.0030 U	0.0030 U	0.0030 U	0.0030 U	0.12 D
alpha-BHC	MG/KG	0.02	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
alpha-Chlordane	MG/KG	0.094	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0059
beta-BHC	MG/KG	0.036	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
delta-BHC	MG/KG	0.04	0.0020 U	0.0020 U	0.0020 U	0.0020 U	R
Dieldrin	MG/KG	0.005	0.0030 U	0.0030 U	0.0030 U	0.0072 J	0.67 D
Dimethoate	MG/KG	-	0.041 U	0.038 U	0.034 U	0.035 U	0.034 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-07	SB-07	SB-07	SB-07	SB-07
Sample ID			SB-7 (0-0.5)	SB-7 (0-2)	SB-7 (2-4)	SB-7 (4-6)	SB-7 (6-8)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			0.0-0.5	0.0-2.0	2.0-4.0	4.0-6.0	6.0-8.0
Date Sampled			05/22/13	05/22/13	05/22/13	05/22/13	05/22/13
Parameter	**Units**	**Criteria***					
Pesticide Organic Compounds							
Disulfoton	MG/KG	-	0.041 U	0.038 U	0.034 U	0.035 U	0.034 U
Endosulfan I	MG/KG	2.4	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0010 J
Endosulfan II	MG/KG	2.4	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endosulfan sulfate	MG/KG	2.4	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0047 J
Endrin	MG/KG	0.014	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0069 NJ
Endrin aldehyde	MG/KG	-	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endrin ketone	MG/KG	-	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0063 NJ
Famphur	MG/KG	-	0.041 U	0.038 U	0.034 U	0.035 U	0.034 U
gamma-BHC (Lindane)	MG/KG	0.1	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0023 J
gamma-Chlordane	MG/KG	0.54	0.0020 U	0.0020 U	0.0020 U	0.0020 U	R
Heptachlor	MG/KG	0.042	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Heptachlor epoxide	MG/KG	0.02	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0030 NJ
Methoxychlor	MG/KG	1.2	0.021 U	0.019 U	0.018 U	0.018 U	0.018 U
Methyl parathion	MG/KG	-	0.041 U	0.038 U	0.034 U	0.035 U	0.034 U
Parathion	MG/KG	1.2	0.041 U	0.038 U	0.034 U	0.035 U	0.034 U
Phorate	MG/KG	-	0.041 U	0.038 U	0.034 U	0.035 U	0.034 U
Thionazin	MG/KG	-	0.041 U	0.038 U	0.034 U	0.035 U	0.034 U
Toxaphene	MG/KG	-	0.21 U	0.19 U	0.18 U	0.18 U	0.18 U
Herbicides							
2,4,5-T	MG/KG	1.9	0.006 U	0.006 U	0.005 U	0.005 U	0.005 U
2,4,5-TP (Silvex)	MG/KG	3.8	0.006 U	0.006 U	0.005 U	0.005 U	0.005 U
2,4-D	MG/KG	0.5	0.012 U	0.011 U	0.011 U	0.011 U	0.011 U
2,4-DB	MG/KG	-	R	0.011 U	R	0.011 U	0.011 U
Dicamba	MG/KG	-	0.004 U	0.003 U	0.003 U	0.003 U	0.003 U
Dinoseb	MG/KG	-	0.005 U	0.005 U	0.004 U	0.004 U	0.004 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-07	SB-07	SB-07	SB-07	SB-07
Sample ID			SB-7 (0-0.5)	SB-7 (0-2)	SB-7 (2-4)	SB-7 (4-6)	SB-7 (6-8)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			0.0-0.5	0.0-2.0	2.0-4.0	4.0-6.0	6.0-8.0
Date Sampled			05/22/13	05/22/13	05/22/13	05/22/13	05/22/13
Parameter	**Units**	**Criteria***					
Herbicides							
Picrolam	MG/KG	-	0.012 UJ	0.011 U	0.011 U	0.011 U	0.011 U
Polychlorinated Biphenyls							
Aroclor 1016	MG/KG	-	0.041 U	0.038 U	0.035 U	0.035 U	0.036 U
Aroclor 1221	MG/KG	-	0.083 U	0.077 U	0.072 U	0.072 U	0.072 U
Aroclor 1232	MG/KG	-	0.041 U	0.038 U	0.035 U	0.035 U	0.036 U
Aroclor 1242	MG/KG	-	0.041 U	0.038 U	0.035 U	0.035 U	0.036 U
Aroclor 1248	MG/KG	-	0.041 U	0.038 U	0.035 U	0.035 U	0.036 U
Aroclor 1254	MG/KG	-	0.041 U	0.038 U	0.035 U	0.035 U	0.036 U
Aroclor 1260	MG/KG	-	0.041 U	0.038 U	0.035 U	0.035 U	0.036 U
Total Polychlorinated Biphenyls	MG/KG	0.1	ND	ND	ND	ND	ND
Metals							
Aluminum	MG/KG	10000	8,270	10,300	NA	5,160	NA
Antimony	MG/KG	12	0.24 J	0.23 J	NA	0.13 U	NA
Arsenic	MG/KG	13	3.3	5.6	NA	1.0 J	NA
Barium	MG/KG	350	27.1	40.7	NA	17.0 J	NA
Beryllium	MG/KG	7.2	0.28 J	0.46 U	NA	0.23 U	NA
Cadmium	MG/KG	2.5	0.012 U	0.011 U	NA	0.011 U	NA
Calcium	MG/KG	10000	2,330	5,250	NA	1,230	NA
Chromium	MG/KG	30	11.9	18.4	NA	6.7	NA
Cobalt	MG/KG	20	4.2 J	7.1	NA	3.3 J	NA
Copper	MG/KG	50	6.5	15.7	NA	5.1	NA
Iron	MG/KG	2000	12,100	19,600	NA	8,480	NA
Lead	MG/KG	63	49.3	43.3 J+	NA	15.2 J+	NA
Magnesium	MG/KG	-	1,710	4,700	NA	1,510	NA
Manganese	MG/KG	1600	148	314	NA	95.1	NA

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.
U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-07	SB-07	SB-07	SB-07	SB-07
Sample ID			SB-7 (0-0.5)	SB-7 (0-2)	SB-7 (2-4)	SB-7 (4-6)	SB-7 (6-8)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			0.0-0.5	0.0-2.0	2.0-4.0	4.0-6.0	6.0-8.0
Date Sampled			05/22/13	05/22/13	05/22/13	05/22/13	05/22/13
Parameter	**Units**	**Criteria***					
Metals							
Mercury	MG/KG	0.18	0.031 U	0.019 U	NA	0.018 U	NA
Nickel	MG/KG	30	6.5	14.8	NA	4.5	NA
Potassium	MG/KG	-	555 J	815	NA	246 U	NA
Selenium	MG/KG	3.9	0.28 U	0.26 UJ	NA	0.25 UJ	NA
Silver	MG/KG	2	0.025 U	0.023 U	NA	0.022 U	NA
Sodium	MG/KG	-	156 U	145 U	NA	136 U	NA
Thallium	MG/KG	5	0.24 U	0.22 U	NA	0.20 U	NA
Vanadium	MG/KG	39	17.4	22.1	NA	11.6	NA
Zinc	MG/KG	109	48.5	58.7	NA	37.6	NA

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.
U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-07	SB-07	SB-07	SB-07	SB-07
Sample ID			SB-7 (8-10)	SB-7 (10-12)	SB-7 (12-14)	SB-7 (14-16)	SB-7 (16-18)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			8.0-10.0	10.0-12.0	12.0-14.0	14.0-16.0	16.0-18.0
Date Sampled			05/22/13	05/22/13	05/22/13	05/22/13	05/22/13
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
1,1,1-Trichloroethane	MG/KG	0.68	NA	NA	0.013 U	NA	0.012 U
1,1,2,2-Tetrachloroethane	MG/KG	0.6	NA	NA	0.013 U	NA	0.012 U
1,1,2-Trichloro-1,2,2-trifluoroethane	MG/KG	6	NA	NA	0.013 U	NA	0.012 U
1,1,2-Trichloroethane	MG/KG	-	NA	NA	0.013 U	NA	0.012 U
1,1-Dichloroethane	MG/KG	0.27	NA	NA	0.013 U	NA	0.012 U
1,1-Dichloroethene	MG/KG	0.33	NA	NA	0.013 U	NA	0.012 U
1,2,4-Trichlorobenzene	MG/KG	3.4	NA	NA	0.013 U	NA	0.012 U
1,2-Dibromo-3-chloropropane	MG/KG	-	NA	NA	0.013 U	NA	0.012 U
1,2-Dibromoethane (Ethylene dibromide)	MG/KG	-	NA	NA	0.013 U	NA	0.012 U
1,2-Dichlorobenzene	MG/KG	1.1	NA	NA	0.013 U	NA	0.012 U
1,2-Dichloroethane	MG/KG	0.02	NA	NA	0.013 U	NA	0.012 U
1,2-Dichloroethene (cis)	MG/KG	0.25	NA	NA	0.013 U	NA	0.012 U
1,2-Dichloroethene (trans)	MG/KG	0.19	NA	NA	0.013 U	NA	0.012 U
1,2-Dichloropropane	MG/KG	700	NA	NA	0.013 U	NA	0.012 U
1,3-Dichlorobenzene	MG/KG	2.4	NA	NA	0.013 U	NA	0.012 U
1,3-Dichloropropene (cis)	MG/KG	-	NA	NA	0.013 U	NA	0.012 U
1,3-Dichloropropene (trans)	MG/KG	-	NA	NA	0.013 U	NA	0.012 U
1,4-Dichlorobenzene	MG/KG	1.8	NA	NA	0.013 U	NA	0.012 U
2-Hexanone	MG/KG	-	NA	NA	0.013 UJ	NA	0.012 UJ
4-Methyl-2-pentanone	MG/KG	1	NA	NA	0.013 UJ	NA	0.012 UJ
Acetone	MG/KG	0.05	NA	NA	0.036	NA	0.014
Benzene	MG/KG	0.06	NA	NA	0.013 U	NA	0.012 U
Bromodichloromethane	MG/KG	-	NA	NA	0.013 U	NA	0.012 U
Bromoform	MG/KG	-	NA	NA	0.013 U	NA	0.012 U
Bromomethane	MG/KG	-	NA	NA	0.013 U	NA	0.012 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-07	SB-07	SB-07	SB-07	SB-07
Sample ID			SB-7 (8-10)	SB-7 (10-12)	SB-7 (12-14)	SB-7 (14-16)	SB-7 (16-18)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			8.0-10.0	10.0-12.0	12.0-14.0	14.0-16.0	16.0-18.0
Date Sampled			05/22/13	05/22/13	05/22/13	05/22/13	05/22/13
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
Carbon disulfide	MG/KG	2.7	NA	NA	0.013 U	NA	0.012 U
Carbon tetrachloride	MG/KG	0.76	NA	NA	0.013 U	NA	0.012 U
Chlorobenzene	MG/KG	1.1	NA	NA	0.013 U	NA	0.012 U
Chloroethane	MG/KG	1.9	NA	NA	0.013 U	NA	0.012 U
Chloroform	MG/KG	0.37	NA	NA	0.013 U	NA	0.012 U
Chloromethane	MG/KG	-	NA	NA	0.013 U	NA	0.012 U
Cyclohexane	MG/KG	-	NA	NA	0.013 U	NA	0.012 U
Dibromochloromethane	MG/KG	10	NA	NA	0.013 U	NA	0.012 U
Dichlorodifluoromethane	MG/KG	-	NA	NA	0.013 UJ	NA	0.012 UJ
Ethylbenzene	MG/KG	1	NA	NA	0.013 U	NA	0.012 U
Isopropylbenzene (Cumene)	MG/KG	2.3	NA	NA	0.013 U	NA	0.012 U
Methyl acetate	MG/KG	-	NA	NA	0.013 U	NA	0.012 U
Methyl ethyl ketone (2-Butanone)	MG/KG	0.12	NA	NA	0.010 J	NA	0.0060 J
Methyl tert-butyl ether	MG/KG	0.93	NA	NA	0.013 U	NA	0.012 U
Methylcyclohexane	MG/KG	-	NA	NA	0.013 U	NA	0.012 U
Methylene chloride	MG/KG	0.05	NA	NA	0.013 U	NA	0.012 U
Styrene	MG/KG	300	NA	NA	0.013 U	NA	0.012 U
Tetrachloroethene	MG/KG	1.3	NA	NA	0.013 UJ	NA	0.012 UJ
Toluene	MG/KG	0.7	NA	NA	0.013 U	NA	0.012 U
Trichloroethene	MG/KG	0.47	NA	NA	0.013 U	NA	0.012 U
Trichlorofluoromethane	MG/KG	-	NA	NA	0.013 U	NA	0.012 U
Vinyl chloride	MG/KG	0.02	NA	NA	0.013 U	NA	0.012 U
Xylene (total)	MG/KG	0.26	NA	NA	0.0020 J	NA	0.012 U
Semivolatile Organic Compounds							
1,1-Biphenyl	MG/KG	60	0.41 U	0.39 U	0.42 U	0.43 U	0.41 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-07	SB-07	SB-07	SB-07	SB-07
Sample ID			SB-7 (8-10)	SB-7 (10-12)	SB-7 (12-14)	SB-7 (14-16)	SB-7 (16-18)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			8.0-10.0	10.0-12.0	12.0-14.0	14.0-16.0	16.0-18.0
Date Sampled			05/22/13	05/22/13	05/22/13	05/22/13	05/22/13
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
2,2-oxybis(1-Chloropropane)	MG/KG	-	0.41 UJ	0.39 UJ	0.42 UJ	0.43 UJ	0.41 UJ
2,4,5-Trichlorophenol	MG/KG	0.1	1.0 U	0.98 U	1.1 U	1.1 U	1.0 U
2,4,6-Trichlorophenol	MG/KG	10	0.41 U	0.39 U	0.42 U	0.43 U	0.41 U
2,4-Dichlorophenol	MG/KG	0.4	0.41 U	0.39 U	0.42 U	0.43 U	0.41 U
2,4-Dimethylphenol	MG/KG	-	0.41 U	0.39 U	0.42 U	0.43 U	0.41 U
2,4-Dinitrophenol	MG/KG	0.2	1.0 U	0.98 U	1.1 U	1.1 U	1.0 U
2,4-Dinitrotoluene	MG/KG	-	0.41 U	0.39 U	0.42 U	0.43 U	0.41 U
2,6-Dinitrotoluene	MG/KG	0.17	0.41 U	0.39 U	0.42 U	0.43 U	0.41 U
2-Chloronaphthalene	MG/KG	-	0.41 U	0.39 U	0.42 U	0.43 U	0.41 U
2-Chlorophenol	MG/KG	0.8	0.41 U	0.39 U	0.42 U	0.43 U	0.41 U
2-Methylnaphthalene	MG/KG	0.41	0.15 J	0.086 J	0.42 U	0.43 U	0.41 U
2-Methylphenol (o-cresol)	MG/KG	0.33	0.25 U	0.24 U	0.26 U	0.26 U	0.25 U
2-Nitroaniline	MG/KG	0.4	1.0 U	0.98 U	1.1 U	1.1 U	1.0 U
2-Nitrophenol	MG/KG	0.3	0.41 U	0.39 U	0.42 U	0.43 U	0.41 U
3,3-Dichlorobenzidine	MG/KG	-	0.41 U	0.39 U	0.42 U	0.43 U	0.41 U
3-Nitroaniline	MG/KG	0.5	1.0 U	0.98 U	1.1 U	1.1 U	1.0 U
4,6-Dinitro-2-methylphenol	MG/KG	-	1.0 U	0.98 U	1.1 U	1.1 U	1.0 U
4-Bromophenyl-phenylether	MG/KG	-	0.41 U	0.39 U	0.42 U	0.43 U	0.41 U
4-Chloro-3-methylphenol	MG/KG	-	0.41 U	0.39 U	0.42 U	0.43 U	0.41 U
4-Chloroaniline	MG/KG	0.22	0.41 U	0.39 U	0.42 U	0.43 U	0.41 U
4-Chlorophenyl-phenylether	MG/KG	-	0.41 U	0.39 U	0.42 U	0.43 U	0.41 U
4-Methylphenol (p-cresol)	MG/KG	0.33	0.25 U	0.24 U	0.26 U	0.26 U	0.25 U
4-Nitroaniline	MG/KG	-	1.0 U	0.98 U	1.1 U	1.1 U	1.0 U
4-Nitrophenol	MG/KG	0.1	1.0 U	0.98 U	1.1 U	1.1 U	1.0 U
Acenaphthene	MG/KG	20	0.41 U	0.39 U	0.42 U	0.43 U	0.41 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-07	SB-07	SB-07	SB-07	SB-07
Sample ID			SB-7 (8-10)	SB-7 (10-12)	SB-7 (12-14)	SB-7 (14-16)	SB-7 (16-18)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			8.0-10.0	10.0-12.0	12.0-14.0	14.0-16.0	16.0-18.0
Date Sampled			05/22/13	05/22/13	05/22/13	05/22/13	05/22/13
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
Acenaphthylene	MG/KG	100	0.41 U	0.39 U	0.42 U	0.43 U	0.41 U
Acetophenone	MG/KG	-	0.41 UJ	0.39 UJ	0.42 UJ	0.43 UJ	0.41 UJ
Anthracene	MG/KG	100	0.41 U	0.39 U	0.42 U	0.43 U	0.41 U
Atrazine	MG/KG	-	0.41 U	0.39 U	0.42 U	0.43 U	0.41 U
Benzaldehyde	MG/KG	-	0.41 UJ	0.39 UJ	0.42 UJ	0.43 UJ	0.41 UJ
Benzo(a)anthracene	MG/KG	1	0.41 U	0.39 U	0.42 U	0.43 U	0.41 U
Benzo(a)pyrene	MG/KG	1	0.41 U	0.39 U	0.42 U	0.43 U	0.41 U
Benzo(b)fluoranthene	MG/KG	1	0.091 J	0.39 U	0.42 U	0.43 U	0.41 U
Benzo(g,h,i)perylene	MG/KG	100	0.41 U	0.39 U	0.42 U	0.43 U	0.41 U
Benzo(k)fluoranthene	MG/KG	0.8	0.41 U	0.39 U	0.42 U	0.43 U	0.41 U
bis(2-Chloroethoxy)methane	MG/KG	-	0.41 U	0.39 U	0.42 U	0.43 U	0.41 U
bis(2-Chloroethyl)ether	MG/KG	-	0.41 U	0.39 U	0.42 U	0.43 U	0.41 U
bis(2-Ethylhexyl)phthalate	MG/KG	50	0.27 J	0.39 U	0.42 U	0.43 U	0.41 U
Butylbenzylphthalate	MG/KG	100	0.41 U	0.39 U	0.42 U	0.43 U	0.41 U
Caprolactam	MG/KG	-	0.41 U	0.39 U	0.42 U	0.43 U	0.41 U
Carbazole	MG/KG	-	0.17 J	0.15 J	0.42 U	0.43 U	0.41 U
Chrysene	MG/KG	1	0.41 U	0.39 U	0.42 U	0.43 U	0.41 U
Dibenz(a,h)anthracene	MG/KG	0.33	0.25 U	0.24 U	0.26 U	0.26 U	0.25 U
Dibenzofuran	MG/KG	7	0.41 U	0.39 U	0.42 U	0.43 U	0.41 U
Diethylphthalate	MG/KG	7.1	0.41 U	0.39 U	0.42 U	0.43 U	0.41 U
Dimethylphthalate	MG/KG	27	0.41 U	0.39 U	0.42 U	0.43 U	0.41 U
Di-n-butylphthalate	MG/KG	0.014	0.41 U	0.39 U	0.42 U	0.43 U	0.41 U
Di-n-octylphthalate	MG/KG	100	0.41 U	0.39 U	0.42 U	0.43 U	0.41 U
Fluoranthene	MG/KG	100	0.14 J	0.095 J	0.42 U	0.43 U	0.41 U
Fluorene	MG/KG	30	0.41 U	0.39 U	0.42 U	0.43 U	0.41 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-07	SB-07	SB-07	SB-07	SB-07
Sample ID			SB-7 (8-10)	SB-7 (10-12)	SB-7 (12-14)	SB-7 (14-16)	SB-7 (16-18)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			8.0-10.0	10.0-12.0	12.0-14.0	14.0-16.0	16.0-18.0
Date Sampled			05/22/13	05/22/13	05/22/13	05/22/13	05/22/13
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
Hexachlorobenzene	MG/KG	0.33	0.41 U	0.39 U	0.42 U	0.43 U	0.41 U
Hexachlorobutadiene	MG/KG	-	0.41 U	0.39 U	0.42 U	0.43 U	0.41 U
Hexachlorocyclopentadiene	MG/KG	10	0.41 UJ	0.39 UJ	0.42 UJ	0.43 UJ	0.41 UJ
Hexachloroethane	MG/KG	-	0.41 U	0.39 U	0.42 U	0.43 U	0.41 U
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	0.41 U	0.39 U	0.42 U	0.43 U	0.41 U
Isophorone	MG/KG	4.4	0.41 U	0.39 U	0.42 U	0.43 U	0.41 U
Naphthalene	MG/KG	12	0.16 J	0.083 J	0.42 U	0.43 U	0.41 U
Nitrobenzene	MG/KG	0.17	0.41 U	0.39 U	0.42 U	0.43 U	0.41 U
N-Nitroso-di-n-propylamine	MG/KG	-	0.41 U	0.39 U	0.42 U	0.43 U	0.41 U
N-Nitrosodiphenylamine	MG/KG	20	0.41 U	0.39 U	0.42 U	0.43 U	0.41 U
Pentachlorophenol	MG/KG	0.8	0.63 U	0.59 U	0.64 U	0.65 U	0.62 U
Phenanthrene	MG/KG	100	0.11 J	0.079 J	0.42 U	0.43 U	0.41 U
Phenol	MG/KG	0.33	0.25 U	0.24 U	0.26 U	0.26 U	0.25 U
Pyrene	MG/KG	100	0.12 J	0.081 J	0.42 U	0.43 U	0.41 U
Pesticide Organic Compounds							
4,4'-DDD	MG/KG	0.0033	0.037	0.030	0.0020 U	0.0012 J	0.0020 U
4,4'-DDE	MG/KG	0.0033	0.012 J	R	0.0020 U	0.0020 U	0.0020 U
4,4'-DDT	MG/KG	0.0033	0.0035	0.0025 J	0.0020 U	0.0020 U	0.0020 U
Aldrin	MG/KG	0.005	0.0089	0.0034	0.0024 J	0.0030 U	0.0030 U
alpha-BHC	MG/KG	0.02	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
alpha-Chlordane	MG/KG	0.094	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
beta-BHC	MG/KG	0.036	0.0012 J	R	0.0020 U	0.0019 NJ	0.0020 U
delta-BHC	MG/KG	0.04	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Dieldrin	MG/KG	0.005	0.17 D	0.036	0.011	0.0026 J	0.0030 U
Dimethoate	MG/KG	-	0.041 U	0.039 U	0.042 U	0.042 U	0.040 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-07	SB-07	SB-07	SB-07	SB-07
Sample ID			SB-7 (8-10)	SB-7 (10-12)	SB-7 (12-14)	SB-7 (14-16)	SB-7 (16-18)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			8.0-10.0	10.0-12.0	12.0-14.0	14.0-16.0	16.0-18.0
Date Sampled			05/22/13	05/22/13	05/22/13	05/22/13	05/22/13
Parameter	**Units**	**Criteria***					
Pesticide Organic Compounds							
Disulfoton	MG/KG	-	0.041 U	0.039 U	0.042 U	0.042 U	0.040 U
Endosulfan I	MG/KG	2.4	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Endosulfan II	MG/KG	2.4	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endosulfan sulfate	MG/KG	2.4	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endrin	MG/KG	0.014	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endrin aldehyde	MG/KG	-	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endrin ketone	MG/KG	-	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Famphur	MG/KG	-	0.041 U	0.039 U	0.042 U	0.042 U	0.040 U
gamma-BHC (Lindane)	MG/KG	0.1	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
gamma-Chlordane	MG/KG	0.54	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Heptachlor	MG/KG	0.042	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Heptachlor epoxide	MG/KG	0.02	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Methoxychlor	MG/KG	1.2	0.021 U	0.020 U	0.022 U	0.022 U	0.021 U
Methyl parathion	MG/KG	-	0.041 U	0.039 U	0.042 U	0.042 U	0.040 U
Parathion	MG/KG	1.2	0.041 U	0.039 U	0.042 U	0.042 U	0.040 U
Phorate	MG/KG	-	0.041 U	0.039 U	0.042 U	0.042 U	0.040 U
Thionazin	MG/KG	-	0.041 U	0.039 U	0.042 U	0.042 U	0.040 U
Toxaphene	MG/KG	-	0.21 U	0.20 U	0.22 U	0.22 U	0.21 U
Herbicides							
2,4,5-T	MG/KG	1.9	0.006 U	0.006 U	0.006 U	0.007 U	0.006 U
2,4,5-TP (Silvex)	MG/KG	3.8	0.006 U	0.006 U	0.006 U	0.007 U	0.006 U
2,4-D	MG/KG	0.5	0.013 U	0.012 U	0.013 U	0.013 U	0.012 U
2,4-DB	MG/KG	-	0.013 U	0.012 U	0.013 U	0.013 U	0.012 U
Dicamba	MG/KG	-	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U
Dinoseb	MG/KG	-	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-07	SB-07	SB-07	SB-07	SB-07
Sample ID			SB-7 (8-10)	SB-7 (10-12)	SB-7 (12-14)	SB-7 (14-16)	SB-7 (16-18)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			8.0-10.0	10.0-12.0	12.0-14.0	14.0-16.0	16.0-18.0
Date Sampled			05/22/13	05/22/13	05/22/13	05/22/13	05/22/13
Parameter	**Units**	**Criteria***					
Herbicides							
Picrolam	MG/KG	-	0.013 U	0.012 U	0.013 U	0.013 U	0.012 U
Polychlorinated Biphenyls							
Aroclor 1016	MG/KG	-	0.041 U	0.039 U	0.042 U	0.043 U	0.041 U
Aroclor 1221	MG/KG	-	0.084 U	0.079 U	0.086 U	0.087 U	0.083 U
Aroclor 1232	MG/KG	-	0.041 U	0.039 U	0.042 U	0.043 U	0.041 U
Aroclor 1242	MG/KG	-	0.041 U	0.039 U	0.042 U	0.043 U	0.041 U
Aroclor 1248	MG/KG	-	0.041 U	0.039 U	0.042 U	0.043 U	0.041 U
Aroclor 1254	MG/KG	-	0.041 U	0.039 U	0.042 U	0.043 U	0.041 U
Aroclor 1260	MG/KG	-	0.041 U	0.039 U	0.042 U	0.043 U	0.041 U
Total Polychlorinated Biphenyls	MG/KG	0.1	ND	ND	ND	ND	ND
Metals							
Aluminum	MG/KG	10000	NA	NA	11,100	NA	9,130
Antimony	MG/KG	12	NA	NA	0.15 U	NA	0.15 U
Arsenic	MG/KG	13	NA	NA	3.7	NA	1.5
Barium	MG/KG	350	NA	NA	65.1	NA	45.6
Beryllium	MG/KG	7.2	NA	NA	0.47 J	NA	0.42 J
Cadmium	MG/KG	2.5	NA	NA	0.013 U	NA	0.012 U
Calcium	MG/KG	10000	NA	NA	4,200	NA	16,300
Chromium	MG/KG	30	NA	NA	20.9	NA	15.8
Cobalt	MG/KG	20	NA	NA	9.3	NA	8.6
Copper	MG/KG	50	NA	NA	13.5	NA	6.4
Iron	MG/KG	2000	NA	NA	20,800	NA	20,600
Lead	MG/KG	63	NA	NA	53.1	NA	0.12 U
Magnesium	MG/KG	-	NA	NA	3,120	NA	6,050
Manganese	MG/KG	1600	NA	NA	169	NA	267

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-07	SB-07	SB-07	SB-07	SB-07
Sample ID			SB-7 (8-10)	SB-7 (10-12)	SB-7 (12-14)	SB-7 (14-16)	SB-7 (16-18)
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			8.0-10.0	10.0-12.0	12.0-14.0	14.0-16.0	16.0-18.0
Date Sampled			05/22/13	05/22/13	05/22/13	05/22/13	05/22/13
Parameter	**Units**	**Criteria***					
Metals							
Mercury	MG/KG	0.18	NA	NA	0.021 U	NA	0.021 U
Nickel	MG/KG	30	NA	NA	16.5	NA	8.8
Potassium	MG/KG	-	NA	NA	1,130	NA	1,360
Selenium	MG/KG	3.9	NA	NA	0.30 U	NA	0.28 U
Silver	MG/KG	2	NA	NA	0.026 U	NA	0.025 U
Sodium	MG/KG	-	NA	NA	192 J	NA	697
Thallium	MG/KG	5	NA	NA	0.24 U	NA	0.23 U
Vanadium	MG/KG	39	NA	NA	28.2	NA	33.8
Zinc	MG/KG	109	NA	NA	83.3	NA	43.4

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.
U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-07	SS-01	SS-02	SS-03	SS-04
Sample ID			SB-7 (18-20)	SS-1	SS-2	SS-3	SS-4
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			18.0-20.0	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5
Date Sampled			05/22/13	05/22/13	05/22/13	05/22/13	05/22/13
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
1,1,1-Trichloroethane	MG/KG	0.68	0.012 U	0.013 U	0.015 U	0.012 U	0.012 U
1,1,2,2-Tetrachloroethane	MG/KG	0.6	0.012 U	0.013 U	0.015 U	0.012 U	0.012 U
1,1,2-Trichloro-1,2,2-trifluoroethane	MG/KG	6	0.012 U	0.013 U	0.015 U	0.012 U	0.012 U
1,1,2-Trichloroethane	MG/KG	-	0.012 U	0.013 U	0.015 U	0.012 U	0.012 U
1,1-Dichloroethane	MG/KG	0.27	0.012 U	0.013 U	0.015 U	0.012 U	0.012 U
1,1-Dichloroethene	MG/KG	0.33	0.012 U	0.013 U	0.015 U	0.012 U	0.012 U
1,2,4-Trichlorobenzene	MG/KG	3.4	0.012 U	0.013 U	0.015 U	0.012 U	0.012 U
1,2-Dibromo-3-chloropropane	MG/KG	-	0.012 U	0.013 U	0.015 U	0.012 U	0.012 U
1,2-Dibromoethane (Ethylene dibromide)	MG/KG	-	0.012 U	0.013 U	0.015 U	0.012 U	0.012 U
1,2-Dichlorobenzene	MG/KG	1.1	0.012 U	0.013 U	0.015 U	0.012 U	0.012 U
1,2-Dichloroethane	MG/KG	0.02	0.012 U	0.013 U	0.015 U	0.012 U	0.012 U
1,2-Dichloroethene (cis)	MG/KG	0.25	0.012 U	0.013 U	0.015 U	0.012 U	0.012 U
1,2-Dichloroethene (trans)	MG/KG	0.19	0.012 U	0.013 U	0.015 U	0.012 U	0.012 U
1,2-Dichloropropane	MG/KG	700	0.012 U	0.013 U	0.015 U	0.012 U	0.012 U
1,3-Dichlorobenzene	MG/KG	2.4	0.012 U	0.013 U	0.015 U	0.012 U	0.012 U
1,3-Dichloropropene (cis)	MG/KG	-	0.012 U	0.013 U	0.015 U	0.012 U	0.012 U
1,3-Dichloropropene (trans)	MG/KG	-	0.012 U	0.013 U	0.015 U	0.012 U	0.012 U
1,4-Dichlorobenzene	MG/KG	1.8	0.012 U	0.013 U	0.015 U	0.012 U	0.012 U
2-Hexanone	MG/KG	-	0.012 UJ	0.013 UJ	0.015 UJ	0.012 U	0.012 U
4-Methyl-2-pentanone	MG/KG	1	0.012 UJ	0.013 UJ	0.015 UJ	0.012 U	0.012 U
Acetone	MG/KG	0.05	0.017	0.013 U	0.015 UJ	0.012 U	0.012 U
Benzene	MG/KG	0.06	0.012 U	0.013 U	0.015 U	0.012 U	0.012 U
Bromodichloromethane	MG/KG	-	0.012 U	0.013 U	0.015 U	0.012 U	0.012 U
Bromoform	MG/KG	-	0.012 U	0.013 U	0.015 U	0.012 UJ	0.012 UJ
Bromomethane	MG/KG	-	0.012 U	0.013 U	0.015 U	0.012 UJ	0.012 UJ

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-07	SS-01	SS-02	SS-03	SS-04
Sample ID			SB-7 (18-20)	SS-1	SS-2	SS-3	SS-4
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			18.0-20.0	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5
Date Sampled			05/22/13	05/22/13	05/22/13	05/22/13	05/22/13
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
Carbon disulfide	MG/KG	2.7	0.012 U	0.013 U	0.015 U	0.012 U	0.012 U
Carbon tetrachloride	MG/KG	0.76	0.012 U	0.013 U	0.015 U	0.012 U	0.012 U
Chlorobenzene	MG/KG	1.1	0.012 U	0.013 U	0.015 U	0.012 U	0.012 U
Chloroethane	MG/KG	1.9	0.012 U	0.013 U	0.015 U	0.012 U	0.012 U
Chloroform	MG/KG	0.37	0.012 U	0.013 U	0.015 U	0.012 U	0.012 U
Chloromethane	MG/KG	-	0.012 U	0.013 U	0.015 U	0.012 U	0.012 U
Cyclohexane	MG/KG	-	0.012 U	0.013 U	0.015 U	0.012 U	0.012 U
Dibromochloromethane	MG/KG	10	0.012 U	0.013 U	0.015 U	0.012 U	0.012 U
Dichlorodifluoromethane	MG/KG	-	0.012 UJ	0.013 UJ	0.015 UJ	0.012 U	0.012 U
Ethylbenzene	MG/KG	1	0.012 U	0.013 U	0.015 U	0.012 U	0.012 U
Isopropylbenzene (Cumene)	MG/KG	2.3	0.012 U	0.013 U	0.015 U	0.012 U	0.012 U
Methyl acetate	MG/KG	-	0.012 U	0.013 U	0.015 UJ	0.012 U	0.012 U
Methyl ethyl ketone (2-Butanone)	MG/KG	0.12	0.012 UJ	0.013 UJ	0.015 UJ	0.012 U	0.012 U
Methyl tert-butyl ether	MG/KG	0.93	0.012 U	0.013 U	0.015 U	0.012 U	0.012 U
Methylcyclohexane	MG/KG	-	0.012 U	0.013 U	0.015 U	0.012 U	0.012 U
Methylene chloride	MG/KG	0.05	0.012 U	0.013 U	0.015 U	0.012 U	0.012 U
Styrene	MG/KG	300	0.012 U	0.013 U	0.015 U	0.012 U	0.012 U
Tetrachloroethene	MG/KG	1.3	0.012 UJ	0.013 UJ	0.015 U	0.012 U	0.012 U
Toluene	MG/KG	0.7	0.012 U	0.013 U	0.015 U	0.012 U	0.012 U
Trichloroethene	MG/KG	0.47	0.012 U	0.013 U	0.015 U	0.012 U	0.012 U
Trichlorofluoromethane	MG/KG	-	0.012 U	0.013 U	0.015 U	0.012 U	0.012 U
Vinyl chloride	MG/KG	0.02	0.012 U	0.013 U	0.015 U	0.012 U	0.012 U
Xylene (total)	MG/KG	0.26	0.012 U	0.013 U	0.015 U	0.012 U	0.012 U
Semivolatile Organic Compounds							
1,1-Biphenyl	MG/KG	60	0.40 U	0.41 U	0.48 U	0.40 U	0.38 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-07	SS-01	SS-02	SS-03	SS-04
Sample ID			SB-7 (18-20)	SS-1	SS-2	SS-3	SS-4
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			18.0-20.0	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5
Date Sampled			05/22/13	05/22/13	05/22/13	05/22/13	05/22/13
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
2,2-oxybis(1-Chloropropane)	MG/KG	-	0.40 UJ	0.41 UJ	0.48 UJ	0.40 UJ	0.38 UJ
2,4,5-Trichlorophenol	MG/KG	0.1	1.0 U	1.0 U	1.2 U	1.0 U	0.96 U
2,4,6-Trichlorophenol	MG/KG	10	0.40 U	0.41 U	0.48 U	0.40 U	0.38 U
2,4-Dichlorophenol	MG/KG	0.4	0.40 U	0.41 U	0.48 U	0.40 U	0.38 U
2,4-Dimethylphenol	MG/KG	-	0.40 U	0.41 U	0.48 U	0.40 U	0.38 U
2,4-Dinitrophenol	MG/KG	0.2	1.0 U	1.0 U	1.2 U	1.0 U	0.96 U
2,4-Dinitrotoluene	MG/KG	-	0.40 U	0.41 U	0.48 U	0.40 U	0.38 U
2,6-Dinitrotoluene	MG/KG	0.17	0.40 U	0.41 U	0.48 U	0.40 U	0.38 U
2-Chloronaphthalene	MG/KG	-	0.40 U	0.41 U	0.48 U	0.40 U	0.38 U
2-Chlorophenol	MG/KG	0.8	0.40 U	0.41 U	0.48 U	0.40 U	0.38 U
2-Methylnaphthalene	MG/KG	0.41	0.40 U	0.41 U	0.48 U	0.40 U	0.13 J
2-Methylphenol (o-cresol)	MG/KG	0.33	0.24 U	0.25 U	0.29 U	0.24 U	0.23 U
2-Nitroaniline	MG/KG	0.4	1.0 U	1.0 U	1.2 U	1.0 U	0.96 U
2-Nitrophenol	MG/KG	0.3	0.40 U	0.41 U	0.48 U	0.40 U	0.38 U
3,3-Dichlorobenzidine	MG/KG	-	0.40 U	0.41 U	0.48 U	0.40 U	0.38 U
3-Nitroaniline	MG/KG	0.5	1.0 U	1.0 U	1.2 U	1.0 U	0.96 U
4,6-Dinitro-2-methylphenol	MG/KG	-	1.0 U	1.0 U	1.2 U	1.0 U	0.96 U
4-Bromophenyl-phenylether	MG/KG	-	0.40 U	0.41 U	0.48 U	0.40 U	0.38 U
4-Chloro-3-methylphenol	MG/KG	-	0.40 U	0.41 U	0.48 U	0.40 U	0.38 U
4-Chloroaniline	MG/KG	0.22	0.40 U	0.41 U	0.48 U	0.40 U	0.38 U
4-Chlorophenyl-phenylether	MG/KG	-	0.40 U	0.41 U	0.48 U	0.40 U	0.38 U
4-Methylphenol (p-cresol)	MG/KG	0.33	0.24 U	0.25 U	0.29 U	0.24 U	0.23 U
4-Nitroaniline	MG/KG	-	1.0 U	1.0 U	1.2 U	1.0 U	0.96 U
4-Nitrophenol	MG/KG	0.1	1.0 U	1.0 U	1.2 U	1.0 U	0.96 U
Acenaphthene	MG/KG	20	0.40 U	0.41 U	0.48 U	0.40 U	0.38 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.
U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-07	SS-01	SS-02	SS-03	SS-04
Sample ID			SB-7 (18-20)	SS-1	SS-2	SS-3	SS-4
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			18.0-20.0	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5
Date Sampled			05/22/13	05/22/13	05/22/13	05/22/13	05/22/13
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
Acenaphthylene	MG/KG	100	0.40 U	0.41 U	0.48 U	0.40 U	0.16 J
Acetophenone	MG/KG	-	0.40 UJ	0.41 UJ	0.48 UJ	0.40 UJ	0.38 UJ
Anthracene	MG/KG	100	0.40 U	0.16 J	0.48 U	0.40 U	0.077 J
Atrazine	MG/KG	-	0.40 U	0.41 U	0.48 U	0.40 U	0.38 U
Benzaldehyde	MG/KG	-	0.40 UJ	0.084 J	0.11 J	0.40 UJ	0.38 UJ
Benzo(a)anthracene	MG/KG	1	0.40 U	2.4	0.15 J	0.40 U	0.54
Benzo(a)pyrene	MG/KG	1	0.40 U	3.5	0.16 J	0.40 U	0.64
Benzo(b)fluoranthene	MG/KG	1	0.40 U	8.0 D	0.33 J	0.40 U	1.7
Benzo(g,h,i)perylene	MG/KG	100	0.40 U	1.9	0.13 J	0.40 U	0.36 J
Benzo(k)fluoranthene	MG/KG	0.8	0.40 U	1.7	0.12 J	0.40 U	0.49
bis(2-Chloroethoxy)methane	MG/KG	-	0.40 U	0.41 U	0.48 U	0.40 U	0.38 U
bis(2-Chloroethyl)ether	MG/KG	-	0.40 U	0.41 U	0.48 U	0.40 U	0.38 U
bis(2-Ethylhexyl)phthalate	MG/KG	50	0.40 U	1.4	0.15 J	0.40 U	0.38 U
Butylbenzylphthalate	MG/KG	100	0.40 U	0.41 U	0.46 J	0.40 U	0.38 U
Caprolactam	MG/KG	-	0.40 U	0.41 U	0.48 U	0.40 U	0.38 U
Carbazole	MG/KG	-	0.40 U	0.41 U	0.20 J	0.40 U	0.17 J
Chrysene	MG/KG	1	0.40 U	4.2	0.23 J	0.40 U	0.83
Dibenz(a,h)anthracene	MG/KG	0.33	0.24 U	0.56	0.29 U	0.24 U	0.14 J
Dibenzofuran	MG/KG	7	0.40 U	0.41 U	0.48 U	0.40 U	0.38 U
Diethylphthalate	MG/KG	7.1	0.40 U	0.41 U	0.48 U	0.40 U	0.38 U
Dimethylphthalate	MG/KG	27	0.40 U	0.41 U	0.48 U	0.40 U	0.38 U
Di-n-butylphthalate	MG/KG	0.014	0.40 U	0.41 U	0.48 U	0.40 U	0.38 U
Di-n-octylphthalate	MG/KG	100	0.40 U	0.16 J	0.48 U	0.40 U	0.38 U
Fluoranthene	MG/KG	100	0.40 U	7.9 D	0.41 J	0.40 U	0.64
Fluorene	MG/KG	30	0.40 U	0.41 U	0.48 U	0.40 U	0.38 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.
U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-07	SS-01	SS-02	SS-03	SS-04
Sample ID			SB-7 (18-20)	SS-1	SS-2	SS-3	SS-4
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			18.0-20.0	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5
Date Sampled			05/22/13	05/22/13	05/22/13	05/22/13	05/22/13
Parameter	**Units**	**Criteria***					
Semivolatile Organic Compounds							
Hexachlorobenzene	MG/KG	0.33	0.40 U	0.41 U	0.48 U	0.40 U	0.38 U
Hexachlorobutadiene	MG/KG	-	0.40 U	0.41 U	0.48 U	0.40 U	0.38 U
Hexachlorocyclopentadiene	MG/KG	10	0.40 UJ	0.41 UJ	0.48 UJ	0.40 UJ	0.38 UJ
Hexachloroethane	MG/KG	-	0.40 U	0.41 U	0.48 U	0.40 U	0.38 U
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	0.40 U	1.7	0.099 J	0.40 U	0.36 J
Isophorone	MG/KG	4.4	0.40 U	0.41 U	0.48 U	0.40 U	0.38 U
Naphthalene	MG/KG	12	0.40 U	0.41 U	0.48 U	0.40 U	0.11 J
Nitrobenzene	MG/KG	0.17	0.40 U	0.41 U	0.48 U	0.40 U	0.38 U
N-Nitroso-di-n-propylamine	MG/KG	-	0.40 U	0.41 U	0.48 U	0.40 UJ	0.38 UJ
N-Nitrosodiphenylamine	MG/KG	20	0.40 U	0.41 U	0.48 U	0.40 U	0.38 U
Pentachlorophenol	MG/KG	0.8	0.61 U	0.62 U	0.73 U	0.61 U	0.58 U
Phenanthrene	MG/KG	100	0.40 U	1.5	0.24 J	0.40 U	0.23 J
Phenol	MG/KG	0.33	0.24 U	0.25 U	0.29 U	0.24 U	0.23 U
Pyrene	MG/KG	100	0.40 U	5.1	0.38 J	0.40 U	0.65
Pesticide Organic Compounds							
4,4'-DDD	MG/KG	0.0033	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0040 U
4,4'-DDE	MG/KG	0.0033	0.0020 U	R	0.0027 NJ	0.010 J	0.0040 U
4,4'-DDT	MG/KG	0.0033	0.0020 U	0.017 J	R	0.0088 NJ	0.0040 U
Aldrin	MG/KG	0.005	0.0030 U	0.0030 U	0.0040 U	0.0030 U	0.0020 U
alpha-BHC	MG/KG	0.02	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
alpha-Chlordane	MG/KG	0.094	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
beta-BHC	MG/KG	0.036	0.0020 U	0.0020 U	0.0013 NJ	0.0020 U	0.0020 U
delta-BHC	MG/KG	0.04	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Dieldrin	MG/KG	0.005	0.0030 U	0.0030 U	0.0040 U	0.0030 U	0.0040 U
Dimethoate	MG/KG	-	0.040 U	0.041 U	0.048 U	0.039 U	0.038 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-07	SS-01	SS-02	SS-03	SS-04
Sample ID			SB-7 (18-20)	SS-1	SS-2	SS-3	SS-4
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			18.0-20.0	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5
Date Sampled			05/22/13	05/22/13	05/22/13	05/22/13	05/22/13
Parameter	**Units**	**Criteria***					
Pesticide Organic Compounds							
Disulfoton	MG/KG	-	0.040 U	0.041 U	0.048 U	0.039 U	0.038 U
Endosulfan I	MG/KG	2.4	0.0020 U	0.0022 J	0.0020 U	0.0020 U	0.0020 U
Endosulfan II	MG/KG	2.4	0.0040 U	0.0040 U	0.0050 U	0.0022 NJ	0.0040 U
Endosulfan sulfate	MG/KG	2.4	0.0040 U	R	0.0050 U	R	0.0040 U
Endrin	MG/KG	0.014	0.0040 U	R	0.0050 U	0.0040 U	0.0040 U
Endrin aldehyde	MG/KG	-	0.0040 U	0.0045 NJ	0.0050 U	0.0040 U	0.0040 U
Endrin ketone	MG/KG	-	0.0040 U	0.0040 U	0.0050 U	0.0040 U	0.0040 U
Famphur	MG/KG	-	0.040 U	0.041 U	0.048 U	0.039 U	0.038 U
gamma-BHC (Lindane)	MG/KG	0.1	0.0020 U	0.0020 U	0.0016 NJ	R	0.0020 U
gamma-Chlordane	MG/KG	0.54	0.0020 U	0.0020 U	0.0014 NJ	0.0020 U	0.0020 U
Heptachlor	MG/KG	0.042	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Heptachlor epoxide	MG/KG	0.02	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Methoxychlor	MG/KG	1.2	0.021 U	0.016 NJ	0.025 U	0.012 J	0.020 U
Methyl parathion	MG/KG	-	0.040 U	0.041 U	0.048 U	0.039 U	0.038 U
Parathion	MG/KG	1.2	0.040 U	0.041 U	0.048 U	0.039 U	0.038 U
Phorate	MG/KG	-	0.040 U	0.041 U	0.048 U	0.039 U	0.038 U
Thionazin	MG/KG	-	0.040 U	0.041 U	0.048 U	0.039 U	0.038 U
Toxaphene	MG/KG	-	0.21 U	0.21 U	0.25 U	0.21 U	0.20 U
Herbicides							
2,4,5-T	MG/KG	1.9	0.006 U	0.006 U	0.007 U	0.0077 J	0.006 U
2,4,5-TP (Silvex)	MG/KG	3.8	0.006 U	0.006 U	0.007 U	0.006 U	0.006 U
2,4-D	MG/KG	0.5	0.012 U	0.012 U	0.015 U	R	0.012 U
2,4-DB	MG/KG	-	0.012 U	0.012 U	0.015	0.013 NJ	0.012 U
Dicamba	MG/KG	-	0.004 U	0.004 U	0.004 U	0.004 U	0.003 U
Dinoseb	MG/KG	-	0.005 U	0.005 U	0.006 U	0.0025 J	0.0026 NJ

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.
U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-07	SS-01	SS-02	SS-03	SS-04
Sample ID			SB-7 (18-20)	SS-1	SS-2	SS-3	SS-4
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			18.0-20.0	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5
Date Sampled			05/22/13	05/22/13	05/22/13	05/22/13	05/22/13
Parameter	**Units**	**Criteria***					
Herbicides							
Picrolam	MG/KG	-	0.012 UJ	0.012 UJ	0.015 UJ	0.029 UJ	0.012 UJ
Polychlorinated Biphenyls							
Aroclor 1016	MG/KG	-	0.040 U	0.041 U	0.048 U	0.040 U	0.038 U
Aroclor 1221	MG/KG	-	0.082 U	0.084 U	0.098 U	0.081 U	0.078 U
Aroclor 1232	MG/KG	-	0.040 U	0.041 U	0.048 U	0.040 U	0.038 U
Aroclor 1242	MG/KG	-	0.040 U	0.041 U	0.048 U	0.040 U	0.038 U
Aroclor 1248	MG/KG	-	0.040 U	0.041 U	0.048 U	0.040 U	0.038 U
Aroclor 1254	MG/KG	-	0.040 U	0.041 U	0.048 U	0.040 U	0.038 U
Aroclor 1260	MG/KG	-	0.040 U	0.024 J	0.048 U	0.040 U	0.038 U
Total Polychlorinated Biphenyls	MG/KG	0.1	ND	0.024	ND	ND	ND
Metals							
Aluminum	MG/KG	10000	8,300	5,490	6,320	4,340	8,270
Antimony	MG/KG	12	0.15 U	0.96 J	0.18 U	3.0 J	0.14 U
Arsenic	MG/KG	13	2.8	3.1	3.2	13.7	2.3
Barium	MG/KG	350	85.3	28.2	31.8	42.2	28.0
Beryllium	MG/KG	7.2	0.40 J	0.26 J	0.26 J	0.22 J	0.28 J
Cadmium	MG/KG	2.5	0.012 U	0.013 U	0.16 J	0.012 U	0.012 U
Calcium	MG/KG	10000	20,500	8,670	6,940	1,870	1,760
Chromium	MG/KG	30	15.3	39.7	281	16.3	11.7
Cobalt	MG/KG	20	8.8	4.8 J	5.2 J	6.7	4.8 J
Copper	MG/KG	50	9.2	24.5	64.2	54.8	5.8
Iron	MG/KG	2000	19,200	16,600	12,700	26,100	12,600
Lead	MG/KG	63	0.12 U	116	69.8	89.1	18.5
Magnesium	MG/KG	-	6,640	4,970	3,470	1,370	1,990
Manganese	MG/KG	1600	304	223	149	207	166

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SB-07	SS-01	SS-02	SS-03	SS-04
Sample ID			SB-7 (18-20)	SS-1	SS-2	SS-3	SS-4
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)			18.0-20.0	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5
Date Sampled			05/22/13	05/22/13	05/22/13	05/22/13	05/22/13
Parameter	**Units**	**Criteria***					
Metals							
Mercury	MG/KG	0.18	0.020 U	0.048	0.20	0.043	0.030 J
Nickel	MG/KG	30	10.8	10.3	10.7	11.1	7.7
Potassium	MG/KG	-	1,360	508 U	600 J	432 J	595
Selenium	MG/KG	3.9	0.28 U	0.29 U	0.34 U	0.28 U	0.27 U
Silver	MG/KG	2	0.025 U	0.025 U	0.13 J	0.024 U	0.023 U
Sodium	MG/KG	-	488 J	507 J	185 U	154 U	147 U
Thallium	MG/KG	5	0.23 U	0.24 U	0.28 U	0.23 U	0.22 U
Vanadium	MG/KG	39	30.0	19.2	22.1	17.5	19.5
Zinc	MG/KG	109	43.2	131	167	54.9	39.1

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SS-04	SS-04	SS-05	SS-06
Sample ID			SS-4	SS-4 DUP	SS-5	SS-6
Matrix			Soil	Soil	Soil	Soil
Depth Interval (ft)			0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5
Date Sampled			05/23/13	05/23/13	05/22/13	05/23/13
Parameter	Units	Criteria*		Field Duplicate (1-1)		
Volatile Organic Compounds						
1,1,1-Trichloroethane	MG/KG	0.68	0.011 UJ	0.012 UJ	0.012 U	0.012 UJ
1,1,2,2-Tetrachloroethane	MG/KG	0.6	0.011 UJ	0.012 UJ	0.012 U	0.012 UJ
1,1,2-Trichloro-1,2,2-trifluoroethane	MG/KG	6	0.011 UJ	0.012 UJ	0.012 U	0.012 UJ
1,1,2-Trichloroethane	MG/KG	-	0.011 UJ	0.012 UJ	0.012 U	0.012 UJ
1,1-Dichloroethane	MG/KG	0.27	0.011 UJ	0.012 UJ	0.012 U	0.012 UJ
1,1-Dichloroethene	MG/KG	0.33	0.011 UJ	0.012 UJ	0.012 U	0.012 UJ
1,2,4-Trichlorobenzene	MG/KG	3.4	0.011 UJ	0.012 UJ	0.012 U	0.012 UJ
1,2-Dibromo-3-chloropropane	MG/KG	-	0.011 UJ	0.012 UJ	0.012 U	0.012 UJ
1,2-Dibromoethane (Ethylene dibromide)	MG/KG	-	0.011 UJ	0.012 UJ	0.012 U	0.012 UJ
1,2-Dichlorobenzene	MG/KG	1.1	0.011 UJ	0.012 UJ	0.012 U	0.012 UJ
1,2-Dichloroethane	MG/KG	0.02	0.011 UJ	0.012 UJ	0.012 U	0.012 UJ
1,2-Dichloroethene (cis)	MG/KG	0.25	0.011 UJ	0.012 UJ	0.012 U	0.012 UJ
1,2-Dichloroethene (trans)	MG/KG	0.19	0.011 UJ	0.012 UJ	0.012 U	0.012 UJ
1,2-Dichloropropane	MG/KG	700	0.011 UJ	0.012 UJ	0.012 U	0.012 UJ
1,3-Dichlorobenzene	MG/KG	2.4	0.011 UJ	0.012 UJ	0.012 U	0.012 UJ
1,3-Dichloropropene (cis)	MG/KG	-	0.011 UJ	0.012 UJ	0.012 U	0.012 UJ
1,3-Dichloropropene (trans)	MG/KG	-	0.011 UJ	0.012 UJ	0.012 U	0.012 UJ
1,4-Dichlorobenzene	MG/KG	1.8	0.011 UJ	0.012 UJ	0.012 U	0.012 UJ
2-Hexanone	MG/KG	-	0.011 UJ	0.012 UJ	0.012 U	0.012 UJ
4-Methyl-2-pentanone	MG/KG	1	0.011 UJ	0.012 UJ	0.012 U	0.012 UJ
Acetone	MG/KG	0.05	0.011 UJ	0.012 UJ	0.012 U	0.012 UJ
Benzene	MG/KG	0.06	0.011 UJ	0.012 UJ	0.012 U	0.012 UJ
Bromodichloromethane	MG/KG	-	0.011 UJ	0.012 UJ	0.012 U	0.012 UJ
Bromoform	MG/KG	-	0.011 UJ	0.012 UJ	0.012 UJ	0.012 UJ
Bromomethane	MG/KG	-	0.011 UJ	0.012 UJ	0.012 UJ	0.012 UJ

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SS-04	SS-04	SS-05	SS-06
Sample ID			SS-4	SS-4 DUP	SS-5	SS-6
Matrix			Soil	Soil	Soil	Soil
Depth Interval (ft)			0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5
Date Sampled			05/23/13	05/23/13	05/22/13	05/23/13
Parameter	**Units**	**Criteria***		Field Duplicate (1-1)		
Volatile Organic Compounds						
Carbon disulfide	MG/KG	2.7	0.011 UJ	0.012 UJ	0.012 U	0.012 UJ
Carbon tetrachloride	MG/KG	0.76	0.011 UJ	0.012 UJ	0.012 U	0.012 UJ
Chlorobenzene	MG/KG	1.1	0.011 UJ	0.012 UJ	0.012 U	0.012 UJ
Chloroethane	MG/KG	1.9	0.011 UJ	0.012 UJ	0.012 U	0.012 UJ
Chloroform	MG/KG	0.37	0.011 UJ	0.012 UJ	0.012 U	0.012 UJ
Chloromethane	MG/KG	-	0.011 UJ	0.012 UJ	0.012 U	0.012 UJ
Cyclohexane	MG/KG	-	0.011 UJ	0.012 UJ	0.012 U	0.012 UJ
Dibromochloromethane	MG/KG	10	0.011 UJ	0.012 UJ	0.012 U	0.012 UJ
Dichlorodifluoromethane	MG/KG	-	0.011 UJ	0.012 UJ	0.012 U	0.012 UJ
Ethylbenzene	MG/KG	1	0.011 UJ	0.012 UJ	0.012 U	0.012 UJ
Isopropylbenzene (Cumene)	MG/KG	2.3	0.011 UJ	0.012 UJ	0.012 U	0.012 UJ
Methyl acetate	MG/KG	-	0.011 UJ	0.012 UJ	0.012 U	0.012 UJ
Methyl ethyl ketone (2-Butanone)	MG/KG	0.12	0.011 UJ	0.012 UJ	0.012 U	0.012 UJ
Methyl tert-butyl ether	MG/KG	0.93	0.011 UJ	0.012 UJ	0.012 U	0.012 UJ
Methylcyclohexane	MG/KG	-	0.011 UJ	0.012 UJ	0.012 U	0.012 UJ
Methylene chloride	MG/KG	0.05	0.011 UJ	0.012 UJ	0.012 U	0.012 UJ
Styrene	MG/KG	300	0.011 UJ	0.012 UJ	0.012 U	0.012 UJ
Tetrachloroethene	MG/KG	1.3	0.011 UJ	0.012 UJ	0.012 U	0.012 UJ
Toluene	MG/KG	0.7	0.011 UJ	0.012 UJ	0.012 U	0.012 UJ
Trichloroethene	MG/KG	0.47	0.011 UJ	0.012 UJ	0.012 U	0.012 UJ
Trichlorofluoromethane	MG/KG	-	0.011 UJ	0.012 UJ	0.012 U	0.012 UJ
Vinyl chloride	MG/KG	0.02	0.011 UJ	0.012 UJ	0.012 U	0.012 UJ
Xylene (total)	MG/KG	0.26	0.011 UJ	0.012 UJ	0.012 U	0.012 UJ
Semivolatile Organic Compounds						
1,1-Biphenyl	MG/KG	60	0.37 U	0.39 U	0.39 U	0.39 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SS-04	SS-04	SS-05	SS-06
Sample ID			SS-4	SS-4 DUP	SS-5	SS-6
Matrix			Soil	Soil	Soil	Soil
Depth Interval (ft)			0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5
Date Sampled			05/23/13	05/23/13	05/22/13	05/23/13
Parameter	**Units**	**Criteria***		Field Duplicate (1-1)		
Semivolatile Organic Compounds						
2,2-oxybis(1-Chloropropane)	MG/KG	-	0.37 UJ	0.39 UJ	0.39 UJ	0.39 UJ
2,4,5-Trichlorophenol	MG/KG	0.1	0.93 U	0.97 U	0.99 U	0.98 U
2,4,6-Trichlorophenol	MG/KG	10	0.37 U	0.39 U	0.39 U	0.39 U
2,4-Dichlorophenol	MG/KG	0.4	0.37 U	0.39 U	0.39 U	0.39 U
2,4-Dimethylphenol	MG/KG	-	0.37 U	0.39 U	0.39 U	0.39 U
2,4-Dinitrophenol	MG/KG	0.2	0.93 U	0.97 U	0.99 U	0.98 U
2,4-Dinitrotoluene	MG/KG	-	0.37 U	0.39 U	0.39 U	0.39 U
2,6-Dinitrotoluene	MG/KG	0.17	0.37 U	0.39 U	0.39 U	0.39 U
2-Chloronaphthalene	MG/KG	-	0.37 U	0.39 U	0.39 U	0.39 U
2-Chlorophenol	MG/KG	0.8	0.37 U	0.39 U	0.39 U	0.39 U
2-Methylnaphthalene	MG/KG	0.41	0.37 U	0.39 U	0.39 U	0.39 U
2-Methylphenol (o-cresol)	MG/KG	0.33	0.22 U	0.23 U	0.24 U	0.24 U
2-Nitroaniline	MG/KG	0.4	0.93 U	0.97 U	0.99 U	0.98 U
2-Nitrophenol	MG/KG	0.3	0.37 U	0.39 U	0.39 U	0.39 U
3,3-Dichlorobenzidine	MG/KG	-	0.37 U	0.39 U	0.39 U	0.39 U
3-Nitroaniline	MG/KG	0.5	0.93 U	0.97 U	0.99 U	0.98 U
4,6-Dinitro-2-methylphenol	MG/KG	-	0.93 U	0.97 U	0.99 U	0.98 U
4-Bromophenyl-phenylether	MG/KG	-	0.37 U	0.39 U	0.39 U	0.39 U
4-Chloro-3-methylphenol	MG/KG	-	0.37 U	0.39 U	0.39 U	0.39 U
4-Chloroaniline	MG/KG	0.22	0.37 U	0.39 U	0.39 U	0.39 U
4-Chlorophenyl-phenylether	MG/KG	-	0.37 U	0.39 U	0.39 U	0.39 U
4-Methylphenol (p-cresol)	MG/KG	0.33	0.22 U	0.23 U	0.24 U	0.24 U
4-Nitroaniline	MG/KG	-	0.93 U	0.97 U	0.99 U	0.98 U
4-Nitrophenol	MG/KG	0.1	0.93 U	0.97 U	0.99 U	0.98 U
Acenaphthene	MG/KG	20	0.37 U	0.39 U	0.39 U	0.39 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SS-04	SS-04	SS-05	SS-06
Sample ID			SS-4	SS-4 DUP	SS-5	SS-6
Matrix			Soil	Soil	Soil	Soil
Depth Interval (ft)			0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5
Date Sampled			05/23/13	05/23/13	05/22/13	05/23/13
Parameter	Units	Criteria*		Field Duplicate (1-1)		
Semivolatile Organic Compounds						
Acenaphthylene	MG/KG	100	0.37 U	0.39 U	0.39 U	0.39 U
Acetophenone	MG/KG	-	0.37 UJ	0.39 UJ	0.39 U	0.39 UJ
Anthracene	MG/KG	100	0.37 U	0.39 U	0.39 U	0.39 U
Atrazine	MG/KG	-	0.37 U	0.39 U	0.39 U	0.39 U
Benzaldehyde	MG/KG	-	0.37 UJ	0.39 UJ	0.39 U	0.39 UJ
Benzo(a)anthracene	MG/KG	1	0.37 U	0.39 U	0.088 J	0.39 U
Benzo(a)pyrene	MG/KG	1	0.37 U	0.39 U	0.12 J	0.39 U
Benzo(b)fluoranthene	MG/KG	1	0.37 U	0.39 U	0.20 J	0.39 U
Benzo(g,h,i)perylene	MG/KG	100	0.37 U	0.39 U	0.39 U	0.39 U
Benzo(k)fluoranthene	MG/KG	0.8	0.37 U	0.39 U	0.39 U	0.39 U
bis(2-Chloroethoxy)methane	MG/KG	-	0.37 U	0.39 U	0.39 U	0.39 U
bis(2-Chloroethyl)ether	MG/KG	-	0.37 U	0.39 U	0.39 U	0.39 U
bis(2-Ethylhexyl)phthalate	MG/KG	50	0.37 U	0.084 J	0.39 U	0.39 U
Butylbenzylphthalate	MG/KG	100	0.37 U	0.39 U	0.39 U	0.39 U
Caprolactam	MG/KG	-	0.37 U	0.39 U	0.39 U	0.39 U
Carbazole	MG/KG	-	0.37 U	0.39 U	0.39 U	0.39 U
Chrysene	MG/KG	1	0.37 U	0.39 U	0.11 J	0.39 U
Dibenz(a,h)anthracene	MG/KG	0.33	0.22 U	0.23 U	0.24 U	0.24 U
Dibenzofuran	MG/KG	7	0.37 U	0.39 U	0.39 U	0.39 U
Diethylphthalate	MG/KG	7.1	0.37 U	0.39 U	0.39 U	0.39 U
Dimethylphthalate	MG/KG	27	0.37 U	0.39 U	0.39 U	0.39 U
Di-n-butylphthalate	MG/KG	0.014	0.37 U	0.39 U	0.39 U	0.39 U
Di-n-octylphthalate	MG/KG	100	0.37 U	0.39 U	0.39 U	0.39 U
Fluoranthene	MG/KG	100	0.37 U	0.39 U	0.10 J	0.39 U
Fluorene	MG/KG	30	0.37 U	0.39 U	0.39 U	0.39 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.
U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SS-04	SS-04	SS-05	SS-06
Sample ID			SS-4	SS-4 DUP	SS-5	SS-6
Matrix			Soil	Soil	Soil	Soil
Depth Interval (ft)			0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5
Date Sampled			05/23/13	05/23/13	05/22/13	05/23/13
Parameter	**Units**	**Criteria***		Field Duplicate (1-1)		
Semivolatile Organic Compounds						
Hexachlorobenzene	MG/KG	0.33	0.37 U	0.39 U	0.39 U	0.39 U
Hexachlorobutadiene	MG/KG	-	0.37 U	0.39 U	0.39 U	0.39 U
Hexachlorocyclopentadiene	MG/KG	10	0.37 UJ	0.39 UJ	0.39 UJ	0.39 UJ
Hexachloroethane	MG/KG	-	0.37 U	0.39 U	0.39 U	0.39 U
Indeno(1,2,3-cd)pyrene	MG/KG	0.5	0.37 U	0.39 U	0.39 U	0.39 U
Isophorone	MG/KG	4.4	0.37 U	0.39 U	0.39 U	0.39 U
Naphthalene	MG/KG	12	0.37 U	0.39 U	0.39 U	0.39 U
Nitrobenzene	MG/KG	0.17	0.37 U	0.39 U	0.39 U	0.39 U
N-Nitroso-di-n-propylamine	MG/KG	-	0.37 UJ	0.39 UJ	0.39 UJ	0.39 UJ
N-Nitrosodiphenylamine	MG/KG	20	0.37 U	0.39 U	0.39 U	0.39 U
Pentachlorophenol	MG/KG	0.8	0.56 U	0.58 U	0.60 U	0.59 U
Phenanthrene	MG/KG	100	0.37 U	0.39 U	0.39 U	0.39 U
Phenol	MG/KG	0.33	0.22 U	0.23 U	0.24 U	0.24 U
Pyrene	MG/KG	100	0.37 U	0.39 U	0.11 J	0.39 U
Pesticide Organic Compounds						
4,4'-DDD	MG/KG	0.0033	0.0020 U	0.0020 U	0.0020 U	0.0020 U
4,4'-DDE	MG/KG	0.0033	0.0020 U	0.0020 U	0.0020 U	0.0020 U
4,4'-DDT	MG/KG	0.0033	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Aldrin	MG/KG	0.005	0.0030 U	0.0030 U	0.0030 U	0.0030 U
alpha-BHC	MG/KG	0.02	0.0020 U	0.0020 U	0.0020 U	0.0020 U
alpha-Chlordane	MG/KG	0.094	0.0020 U	0.0020 U	0.0020 U	0.0020 U
beta-BHC	MG/KG	0.036	0.0011 NJ	0.0020 U	0.0020 U	0.0020 U
delta-BHC	MG/KG	0.04	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Dieldrin	MG/KG	0.005	0.0030 U	0.0030 U	0.0030 U	0.0030 U
Dimethoate	MG/KG	-	0.036 U	0.038 U	0.039 U	0.039 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.
U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SS-04	SS-04	SS-05	SS-06
Sample ID			SS-4	SS-4 DUP	SS-5	SS-6
Matrix			Soil	Soil	Soil	Soil
Depth Interval (ft)			0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5
Date Sampled			05/23/13	05/23/13	05/22/13	05/23/13
Parameter	**Units**	**Criteria***		Field Duplicate (1-1)		
Pesticide Organic Compounds						
Disulfoton	MG/KG	-	0.036 U	0.038 U	0.039 U	0.039 U
Endosulfan I	MG/KG	2.4	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Endosulfan II	MG/KG	2.4	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endosulfan sulfate	MG/KG	2.4	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endrin	MG/KG	0.014	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endrin aldehyde	MG/KG	-	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endrin ketone	MG/KG	-	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Famphur	MG/KG	-	0.036 U	0.038 U	0.039 U	0.039 U
gamma-BHC (Lindane)	MG/KG	0.1	0.0020 U	0.0020 U	0.0020 U	0.0020 U
gamma-Chlordane	MG/KG	0.54	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Heptachlor	MG/KG	0.042	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Heptachlor epoxide	MG/KG	0.02	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Methoxychlor	MG/KG	1.2	0.019 U	0.020 U	0.020 U	0.020 U
Methyl parathion	MG/KG	-	0.036 U	0.038 U	0.039 U	0.039 U
Parathion	MG/KG	1.2	0.036 U	0.038 U	0.039 U	0.039 U
Phorate	MG/KG	-	0.036 U	0.038 U	0.039 U	0.039 U
Thionazin	MG/KG	-	0.036 U	0.038 U	0.039 U	0.039 U
Toxaphene	MG/KG	-	0.19 U	0.20 U	0.20 U	0.20 U
Herbicides						
2,4,5-T	MG/KG	1.9	0.006 U	0.006 U	0.006 U	0.006 U
2,4,5-TP (Silvex)	MG/KG	3.8	0.006 U	0.006 U	0.006 U	0.006 U
2,4-D	MG/KG	0.5	0.011 U	0.012 U	0.012 U	0.012 U
2,4-DB	MG/KG	-	R	R	0.012 U	0.012 U
Dicamba	MG/KG	-	0.003 U	0.004 U	0.0035 J	0.0056
Dinoseb	MG/KG	-	0.004 U	0.005 U	0.005 U	0.005 U

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.
U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SS-04	SS-04	SS-05	SS-06
Sample ID			SS-4	SS-4 DUP	SS-5	SS-6
Matrix			Soil	Soil	Soil	Soil
Depth Interval (ft)			0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5
Date Sampled			05/23/13	05/23/13	05/22/13	05/23/13
Parameter	**Units**	**Criteria***		Field Duplicate (1-1)		
Herbicides						
Picrolam	MG/KG	-	0.011 UJ	0.012 U	0.012 U	0.012 U
Polychlorinated Biphenyls						
Aroclor 1016	MG/KG	-	0.037 U	0.038 U	0.039 U	0.039 U
Aroclor 1221	MG/KG	-	0.075 U	0.078 U	0.080 U	0.079 U
Aroclor 1232	MG/KG	-	0.037 U	0.038 U	0.039 U	0.039 U
Aroclor 1242	MG/KG	-	0.037 U	0.038 U	0.039 U	0.039 U
Aroclor 1248	MG/KG	-	0.037 U	0.038 U	0.039 U	0.039 U
Aroclor 1254	MG/KG	-	0.037 U	0.038 U	0.039 U	0.039 U
Aroclor 1260	MG/KG	-	0.037 U	0.038 U	0.039 U	0.039 U
Total Polychlorinated Biphenyls	MG/KG	0.1	ND	ND	ND	ND
Metals						
Aluminum	MG/KG	10000	9,340	8,480	5,120	6,260
Antimony	MG/KG	12	0.54 J	0.55 J	0.38 J	0.20 J
Arsenic	MG/KG	13	2.9	2.8	2.0	2.0
Barium	MG/KG	350	34.2	30.7	21.9 J	23.1 J
Beryllium	MG/KG	7.2	0.39 J	0.35 J	0.18 J	0.28 J
Cadmium	MG/KG	2.5	0.011 U	0.012 U	0.012 U	0.012 U
Calcium	MG/KG	10000	1,660	1,820	8,340	1,210
Chromium	MG/KG	30	12.5	11.9	9.0	8.9
Cobalt	MG/KG	20	5.6 J	5.0 J	4.0 J	3.8 J
Copper	MG/KG	50	6.7 J	6.0 J	7.2	5.0 J
Iron	MG/KG	2000	15,900	14,500	10,200	10,500
Lead	MG/KG	63	18.8 J	14.7 J	20.0	15.3 J
Magnesium	MG/KG	-	1,930 J	1,860 J	5,200	1,480 J
Manganese	MG/KG	1600	280 J	185 J	130	141 J

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.

NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.

U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.

Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

I:\11176892\DB\EDMS.mde
Printed: 10/3/2013 11:56:45 AM
[LOGDATE] >= #5/13/2013# AND [MATRIX] = 'SO' AND [LOCID] <> 'DRUM COMP

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			SS-04	SS-04	SS-05	SS-06
Sample ID			SS-4	SS-4 DUP	SS-5	SS-6
Matrix			Soil	Soil	Soil	Soil
Depth Interval (ft)			0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5
Date Sampled			05/23/13	05/23/13	05/22/13	05/23/13
Parameter	**Units**	**Criteria***		Field Duplicate (1-1)		
Metals						
Mercury	MG/KG	0.18	0.051	0.044	0.075	0.027 J
Nickel	MG/KG	30	7.9	7.7	7.1	5.5
Potassium	MG/KG	-	464 J	431 J	502 U	407 J
Selenium	MG/KG	3.9	0.26 U	0.27 U	0.28 U	0.27 U
Silver	MG/KG	2	0.022 U	0.023 U	0.024 U	0.024 U
Sodium	MG/KG	-	141 U	148 U	151 U	149 U
Thallium	MG/KG	5	0.21 U	0.22 U	0.23 U	0.22 U
Vanadium	MG/KG	39	20.2	17.4	13.0	13.3
Zinc	MG/KG	109	41.0	37.0	54.0	29.5

*Criteria- 6 NYCRR Part 375.6, Remedial Program Soil Cleanup Objectives, Effective 12/14/06. Unrestricted Use, including CP-51 Table 1, Effective 12/2/10.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration. NA - Not analyzed.
U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

I:\1176892\DB\EDMS.mde
Printed: 10/3/2013 11:56:45 AM
[LOGDATE] >= #5/13/2013# AND [MATRIX] = 'SO' AND [LOCID] <> 'DRUM COMP

TABLE 3
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			MW-01	MW-02	MW-03	MW-04	MW-04
Sample ID			MW-1	MW-2	MW-3	DUP 06062013	MW-4
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			06/06/13	06/07/13	06/07/13	06/06/13	06/06/13
Parameter	Units	Criteria*				Field Duplicate (1-1)	
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	UG/L	5	5.0 U	5.0 UJ	5.0 UJ	5.0 U	5.0 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	5	5.0 U	5.0 UJ	5.0 UJ	5.0 U	5.0 U
1,1,2-Trichloroethane	UG/L	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	UG/L	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethene	UG/L	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2,4-Trichlorobenzene	UG/L	5	5.0 UJ	5.0 U	5.0 U	5.0 UJ	5.0 UJ
1,2-Dibromo-3-chloropropane	UG/L	0.04	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ
1,2-Dibromoethane (Ethylene dibromide)	UG/L	0.006	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	UG/L	3	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
1,2-Dichloroethane	UG/L	0.6	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethene (cis)	UG/L	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethene (trans)	UG/L	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloropropane	UG/L	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	UG/L	3	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
1,3-Dichloropropene (cis)	UG/L	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichloropropene (trans)	UG/L	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	UG/L	3	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
2-Hexanone	UG/L	50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	UG/L	50	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ
Benzene	UG/L	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	UG/L	50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromoform	UG/L	50	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ
Bromomethane	UG/L	5	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

U - Not detected above the reported quantitation limit. J - The reported concentration is an estimated value.
UJ - Not detected. The reported quantitation limit is an estimated value.
D - Result reported from a secondary dilution analysis.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

I:\1176892\DB\EDMS.mde
Printed: 10/3/2013 2:31:58 PM
[LOGDATE] >= #5/13/2013# AND [MATRIX] = 'WG

TABLE 3
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			MW-01	MW-02	MW-03	MW-04	MW-04
Sample ID			MW-1	MW-2	MW-3	DUP 06062013	MW-4
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			06/06/13	06/07/13	06/07/13	06/06/13	06/06/13
Parameter	Units	Criteria*				Field Duplicate (1-1)	
Volatile Organic Compounds							
Carbon disulfide	UG/L	60	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon tetrachloride	UG/L	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	UG/L	5	5.0 U	24	5.0 U	5.0 U	5.0 U
Chloroethane	UG/L	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform	UG/L	7	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane	UG/L	5	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ
Cyclohexane	UG/L	-	5.0 U	5.0 UJ	5.0 UJ	5.0 U	5.0 U
Dibromochloromethane	UG/L	50	5.0 U	5.0 UJ	5.0 UJ	5.0 U	5.0 U
Dichlorodifluoromethane	UG/L	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	UG/L	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Isopropylbenzene (Cumene)	UG/L	5	5.0 U	5.0 UJ	5.0 UJ	5.0 U	5.0 U
Methyl acetate	UG/L	-	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ
Methyl ethyl ketone (2-Butanone)	UG/L	50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methyl tert-butyl ether	UG/L	10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylcyclohexane	UG/L	-	5.0 U	5.0 UJ	5.0 UJ	5.0 U	5.0 U
Methylene chloride	UG/L	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	UG/L	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	UG/L	5	5.0 U	5.0 UJ	5.0 UJ	5.0 U	5.0 U
Toluene	UG/L	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	UG/L	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichlorofluoromethane	UG/L	5	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ
Vinyl chloride	UG/L	2	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Xylene (total)	UG/L	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Semivolatile Organic Compounds							
1,1-Biphenyl	UG/L	-	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

U - Not detected above the reported quantitation limit. J - The reported concentration is an estimated value.
UJ - Not detected. The reported quantitation limit is an estimated value.
D - Result reported from a secondary dilution analysis.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 3
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			MW-01	MW-02	MW-03	MW-04	MW-04
Sample ID			MW-1	MW-2	MW-3	DUP 06062013	MW-4
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			06/06/13	06/07/13	06/07/13	06/06/13	06/06/13
Parameter	Units	Criteria*				Field Duplicate (1-1)	
Semivolatile Organic Compounds							
2,2-oxybis(1-Chloropropane)	UG/L	5	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ
2,4,5-Trichlorophenol	UG/L	1	25 U	25 U	25 U	25 U	25 U
2,4,6-Trichlorophenol	UG/L	1	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	UG/L	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2,4-Dimethylphenol	UG/L	50	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2,4-Dinitrophenol	UG/L	10	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dinitrotoluene	UG/L	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,6-Dinitrotoluene	UG/L	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Chloronaphthalene	UG/L	10	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	UG/L	1	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	UG/L	-	10 U	10 U	10 U	10 U	10 U
2-Methylphenol (o-cresol)	UG/L	1	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	UG/L	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Nitrophenol	UG/L	1	10 U	10 U	10 U	10 U	10 U
3,3-Dichlorobenzidine	UG/L	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
3-Nitroaniline	UG/L	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4,6-Dinitro-2-methylphenol	UG/L	1	25 U	25 U	25 U	25 U	25 U
4-Bromophenyl-phenylether	UG/L	-	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	UG/L	1	10 U	10 U	10 U	10 U	10 U
4-Chloroaniline	UG/L	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Chlorophenyl-phenylether	UG/L	-	10 U	10 U	10 U	10 U	10 U
4-Methylphenol (p-cresol)	UG/L	1	10 U	10 U	10 U	10 U	10 U
4-Nitroaniline	UG/L	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Nitrophenol	UG/L	1	25 U	25 U	25 U	25 U	25 U
Acenaphthene	UG/L	20	10 U	10 U	10 U	10 U	10 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

U - Not detected above the reported quantitation limit. J - The reported concentration is an estimated value.
UJ - Not detected. The reported quantitation limit is an estimated value.
D - Result reported from a secondary dilution analysis.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 3
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			MW-01	MW-02	MW-03	MW-04	MW-04
Sample ID			MW-1	MW-2	MW-3	DUP 06062013	MW-4
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			06/06/13	06/07/13	06/07/13	06/06/13	06/06/13
Parameter	Units	Criteria*				Field Duplicate (1-1)	
Semivolatile Organic Compounds							
Acenaphthylene	UG/L	-	10 U	10 U	10 U	10 U	10 U
Acetophenone	UG/L	-	10 U	10 U	10 U	10 U	10 U
Anthracene	UG/L	50	10 U	10 U	10 U	10 U	10 U
Atrazine	UG/L	7.5	8.0 U	320 D	8.0 U	3.0 J	2.0 J
Benzaldehyde	UG/L	-	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Benzo(a)anthracene	UG/L	0.002	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Benzo(a)pyrene	UG/L	ND	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	UG/L	0.002	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Benzo(g,h,i)perylene	UG/L	-	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	UG/L	0.002	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
bis(2-Chloroethoxy)methane	UG/L	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
bis(2-Chloroethyl)ether	UG/L	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
bis(2-Ethylhexyl)phthalate	UG/L	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Butylbenzylphthalate	UG/L	50	10 U	10 U	10 U	10 U	10 U
Caprolactam	UG/L	-	10 U	10 U	10 U	10 U	10 U
Carbazole	UG/L	-	10 U	10 U	10 U	10 U	10 U
Chrysene	UG/L	0.002	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Dibenz(a,h)anthracene	UG/L	-	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	UG/L	-	10 U	10 U	10 U	10 U	10 U
Diethylphthalate	UG/L	50	10 U	10 U	10 U	10 U	10 U
Dimethylphthalate	UG/L	50	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	UG/L	50	10 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate	UG/L	50	10 U	10 U	10 U	10 U	10 U
Fluoranthene	UG/L	50	10 U	10 U	10 U	10 U	10 U
Fluorene	UG/L	50	10 U	10 U	10 U	10 U	10 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

U - Not detected above the reported quantitation limit. J - The reported concentration is an estimated value.
UJ - Not detected. The reported quantitation limit is an estimated value.
D - Result reported from a secondary dilution analysis.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

I:\1176892\DB\EDMS.mde
Printed: 10/3/2013 2:32:00 PM
[LOGDATE] >= #5/13/2013# AND [MATRIX] = 'WG

TABLE 3
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			MW-01	MW-02	MW-03	MW-04	MW-04
Sample ID			MW-1	MW-2	MW-3	DUP 06062013	MW-4
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			06/06/13	06/07/13	06/07/13	06/06/13	06/06/13
Parameter	**Units**	**Criteria***				Field Duplicate (1-1)	
Semivolatile Organic Compounds							
Hexachlorobenzene	UG/L	0.04	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Hexachlorobutadiene	UG/L	0.5	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Hexachlorocyclopentadiene	UG/L	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Hexachloroethane	UG/L	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Indeno(1,2,3-cd)pyrene	UG/L	0.002	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Isophorone	UG/L	50	10 U	10 U	10 U	10 U	10 U
Naphthalene	UG/L	10	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	UG/L	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
N-Nitroso-di-n-propylamine	UG/L	-	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	UG/L	50	10 U	10 U	10 U	10 U	10 U
Pentachlorophenol	UG/L	1	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Phenanthrene	UG/L	50	10 U	10 U	10 U	10 U	10 U
Phenol	UG/L	1	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Pyrene	UG/L	50	10 U	10 U	10 U	10 U	10 U
Pesticide Organic Compounds							
4,4'-DDD	UG/L	0.3	0.10 U	0.10 U	0.020 U	0.10 U	0.020 U
4,4'-DDE	UG/L	0.2	0.020 U	0.10 U	0.10 U	0.10 U	0.10 U
4,4'-DDT	UG/L	0.2	0.10 U	0.020 U	0.020 U	0.10 U	0.020 U
Aldrin	UG/L	ND	0.050 U	0.010 U	0.050 U	0.050 U	0.050 U
alpha-BHC	UG/L	0.01	0.0020 U	0.0020 U	0.010 U	0.0020 U	0.010 U
alpha-Chlordane	UG/L	0.05	0.010 U	0.050 U	0.050 U	0.010 U	0.050 U
beta-BHC	UG/L	0.04	0.040 U	0.040 U	0.0080 U	0.040 U	0.040 U
delta-BHC	UG/L	0.04	0.040 U	0.0080 U	0.040 U	0.040 U	0.040 U
Dieldrin	UG/L	0.004	0.020 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Dimethoate	UG/L	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

U - Not detected above the reported quantitation limit. J - The reported concentration is an estimated value.
UJ - Not detected. The reported quantitation limit is an estimated value.
D - Result reported from a secondary dilution analysis.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

I:\1176892\DB\EDMS.mde
Printed: 10/3/2013 2:32:00 PM
[LOGDATE] >= #5/13/2013# AND [MATRIX] = 'WG

TABLE 3
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			MW-01	MW-02	MW-03	MW-04	MW-04
Sample ID			MW-1	MW-2	MW-3	DUP 06062013	MW-4
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			06/06/13	06/07/13	06/07/13	06/06/13	06/06/13
Parameter	**Units**	**Criteria***				Field Duplicate (1-1)	
Pesticide Organic Compounds							
Disulfoton	UG/L	ND	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Endosulfan I	UG/L	-	0.010 U	0.010 U	0.050 U	0.010 U	0.050 U
Endosulfan II	UG/L	-	0.020 U	0.020 U	0.020 U	0.10 U	0.10 U
Endosulfan sulfate	UG/L	-	0.020 U	0.10 U	0.10 U	0.10 U	0.10 U
Endrin	UG/L	ND	0.020 U	0.020 U	0.020 U	0.10 U	0.10 U
Endrin aldehyde	UG/L	5	0.10 U	0.020 U	0.10 U	0.020 U	0.10 U
Endrin ketone	UG/L	5	0.10 U	0.020 U	0.10 U	0.10 U	0.10 U
Famphur	UG/L	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
gamma-BHC (Lindane)	UG/L	0.05	0.010 U	0.050 U	0.010 U	0.050 U	0.050 U
gamma-Chlordane	UG/L	0.05	0.050 U	0.010 U	0.050 U	0.050 U	0.050 U
Heptachlor	UG/L	0.04	0.0080 U	0.040 U	0.040 U	0.0080 U	0.0080 U
Heptachlor epoxide	UG/L	0.03	0.030 U	0.030 U	0.0060 U	0.0060 U	0.030 U
Methoxychlor	UG/L	35	0.10 U	0.10 U	0.50 U	0.10 U	0.10 U
Methyl parathion	UG/L	1.5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Parathion	UG/L	1.5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Phorate	UG/L	ND	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Thionazin	UG/L	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toxaphene	UG/L	0.06	1.0 U	0.20 U	0.20 U	1.0 U	0.20 U
Herbicides							
2,4,5-T	UG/L	35	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
2,4,5-TP (Silvex)	UG/L	0.26	0.3 U	0.27	0.3 U	0.3 U	0.3 U
2,4-D	UG/L	50	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,4-DB	UG/L	-	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dicamba	UG/L	0.44	0.2 U	0.2 U	0.11 J	0.2 U	0.2 U
Dinoseb	UG/L	1	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

U - Not detected above the reported quantitation limit. J - The reported concentration is an estimated value.
UJ - Not detected. The reported quantitation limit is an estimated value.
D - Result reported from a secondary dilution analysis.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 3
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			MW-01	MW-02	MW-03	MW-04	MW-04
Sample ID			MW-1	MW-2	MW-3	DUP 06062013	MW-4
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			06/06/13	06/07/13	06/07/13	06/06/13	06/06/13
Parameter	Units	Criteria*				Field Duplicate (1-1)	
Herbicides							
Picrolam	UG/L	50	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Polychlorinated Biphenyls							
Aroclor 1016	UG/L	0.09	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U
Aroclor 1221	UG/L	0.09	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U
Aroclor 1232	UG/L	0.09	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U
Aroclor 1242	UG/L	0.09	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U
Aroclor 1248	UG/L	0.09	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U
Aroclor 1254	UG/L	0.09	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U
Aroclor 1260	UG/L	0.09	0.065 U	0.065 U	0.065 U	0.065 U	0.065 U
Metals							
Aluminum	UG/L	-	57.3 J	63.1 U	51.3 J	43.2 J	48.8 J
Antimony	UG/L	3	1.2 U	2.3 J	1.7 J	1.2 U	2.5 J
Arsenic	UG/L	25	2.8 U	3.6 J	2.8 U	2.8 U	2.8 U
Barium	UG/L	1000	55.9 J	44.7 J	25.1 J	47.7 J	46.9 J
Beryllium	UG/L	3	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Cadmium	UG/L	5	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Calcium	UG/L	-	96,500	75,400	99,200	81,200	81,000
Chromium	UG/L	50	2.0 U	4.5 U	1.5 U	2.7 U	1.5 U
Cobalt	UG/L	-	0.40 U	0.60 J	2.7 J	0.40 U	0.50 J
Copper	UG/L	200	0.70 J	0.40 U	1.3 J	1.6 J	2.2 J
Iron	UG/L	300	80.1 J	9,440	1,080	46.5 J	55.8 J
Lead	UG/L	25	14.3	18.9	17.2	10.9	9.3
Magnesium	UG/L	35000	20,200	9,590	13,800	14,600	14,400
Manganese	UG/L	300	1,740	846	268	158	154
Mercury	UG/L	0.7	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

U - Not detected above the reported quantitation limit. J - The reported concentration is an estimated value.
UJ - Not detected. The reported quantitation limit is an estimated value.
D - Result reported from a secondary dilution analysis.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

I:\1176892\DB\EDMS.mde
Printed: 10/3/2013 2:32:00 PM
[LOGDATE] >= #5/13/2013# AND [MATRIX] = 'WG

TABLE 3
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			MW-01	MW-02	MW-03	MW-04	MW-04
Sample ID			MW-1	MW-2	MW-3	DUP 06062013	MW-4
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			06/06/13	06/07/13	06/07/13	06/06/13	06/06/13
Parameter	Units	Criteria*				Field Duplicate (1-1)	
Metals							
Nickel	UG/L	100	2.0 U	6.6 U	4.7 U	0.30 U	0.40 U
Potassium	UG/L	-	12,200 J	9,070 J	4,430 J	11,300 J	13,500 J
Selenium	UG/L	10	2.3 UJ	2.3 UJ	2.3 UJ	2.3 UJ	2.3 UJ
Silver	UG/L	50	0.20 U	0.24 UJ	0.20 U	0.20 U	0.20 U
Sodium	UG/L	20000	299,000	33,600	158,000	254,000	250,000
Thallium	UG/L	0.5	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Vanadium	UG/L	-	0.80 J	0.80 J	0.80 J	1.7 J	1.5 J
Zinc	UG/L	2000	11.6 J	16.3 U	178	8.7 J	8.4 J

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

U - Not detected above the reported quantitation limit. J - The reported concentration is an estimated value.
UJ - Not detected. The reported quantitation limit is an estimated value.
D - Result reported from a secondary dilution analysis.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 3
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			MW-05	MW-06
Sample ID			MW-5	MW-6
Matrix			Groundwater	Groundwater
Depth Interval (ft)			-	-
Date Sampled			06/06/13	06/06/13
Parameter	**Units**	**Criteria***		
Volatile Organic Compounds				
1,1,1-Trichloroethane	UG/L	5	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	UG/L	5	5.0 U	5.0 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	5	5.0 U	5.0 U
1,1,2-Trichloroethane	UG/L	1	1.0 U	1.0 U
1,1-Dichloroethane	UG/L	5	5.0 U	5.0 U
1,1-Dichloroethene	UG/L	5	5.0 U	5.0 U
1,2,4-Trichlorobenzene	UG/L	5	5.0 UJ	5.0 UJ
1,2-Dibromo-3-chloropropane	UG/L	0.04	1.0 UJ	1.0 UJ
1,2-Dibromoethane (Ethylene dibromide)	UG/L	0.006	1.0 U	1.0 U
1,2-Dichlorobenzene	UG/L	3	3.0 U	3.0 U
1,2-Dichloroethane	UG/L	0.6	1.0 U	1.0 U
1,2-Dichloroethene (cis)	UG/L	5	5.0 U	5.0 U
1,2-Dichloroethene (trans)	UG/L	5	5.0 U	5.0 U
1,2-Dichloropropane	UG/L	1	1.0 U	1.0 U
1,3-Dichlorobenzene	UG/L	3	3.0 U	3.0 U
1,3-Dichloropropene (cis)	UG/L	0.4	1.0 U	1.0 U
1,3-Dichloropropene (trans)	UG/L	0.4	1.0 U	1.0 U
1,4-Dichlorobenzene	UG/L	3	3.0 U	3.0 U
2-Hexanone	UG/L	50	5.0 U	5.0 U
4-Methyl-2-pentanone	UG/L	-	5.0 U	5.0 U
Acetone	UG/L	50	5.0 UJ	5.0 UJ
Benzene	UG/L	1	1.0 U	1.0 U
Bromodichloromethane	UG/L	50	5.0 U	5.0 U
Bromoform	UG/L	50	5.0 UJ	5.0 UJ
Bromomethane	UG/L	5	5.0 UJ	5.0 UJ

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

U - Not detected above the reported quantitation limit. J - The reported concentration is an estimated value.
UJ - Not detected. The reported quantitation limit is an estimated value.
D - Result reported from a secondary dilution analysis.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 3
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			MW-05	MW-06
Sample ID			MW-5	MW-6
Matrix			Groundwater	Groundwater
Depth Interval (ft)			-	-
Date Sampled			06/06/13	06/06/13
Parameter	**Units**	**Criteria***		
Volatile Organic Compounds				
Carbon disulfide	UG/L	60	5.0 U	5.0 U
Carbon tetrachloride	UG/L	5	5.0 U	5.0 U
Chlorobenzene	UG/L	5	5.0 U	5.0 U
Chloroethane	UG/L	5	5.0 U	5.0 U
Chloroform	UG/L	7	5.0 U	5.0 U
Chloromethane	UG/L	5	5.0 UJ	5.0 UJ
Cyclohexane	UG/L	-	5.0 U	5.0 U
Dibromochloromethane	UG/L	50	5.0 U	5.0 U
Dichlorodifluoromethane	UG/L	5	5.0 U	5.0 U
Ethylbenzene	UG/L	5	5.0 U	5.0 U
Isopropylbenzene (Cumene)	UG/L	5	5.0 U	5.0 U
Methyl acetate	UG/L	-	5.0 UJ	5.0 UJ
Methyl ethyl ketone (2-Butanone)	UG/L	50	5.0 U	5.0 U
Methyl tert-butyl ether	UG/L	10	5.0 U	5.0 U
Methylcyclohexane	UG/L	-	5.0 U	5.0 U
Methylene chloride	UG/L	5	5.0 U	5.0 U
Styrene	UG/L	5	5.0 U	5.0 U
Tetrachloroethene	UG/L	5	5.0 U	5.0 U
Toluene	UG/L	5	5.0 U	5.0 U
Trichloroethene	UG/L	5	5.0 U	5.0 U
Trichlorofluoromethane	UG/L	5	5.0 UJ	5.0 UJ
Vinyl chloride	UG/L	2	2.0 U	2.0 U
Xylene (total)	UG/L	5	5.0 U	5.0 U
Semivolatile Organic Compounds				
1,1-Biphenyl	UG/L	-	5.0 U	5.0 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

U - Not detected above the reported quantitation limit. J - The reported concentration is an estimated value.
UJ - Not detected. The reported quantitation limit is an estimated value.
D - Result reported from a secondary dilution analysis.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

I:\1176892\DB\EDMS.mde
Printed: 10/3/2013 2:32:01 PM
[LOGDATE] >= #5/13/2013# AND [MATRIX] = 'WG

TABLE 3
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			MW-05	MW-06
Sample ID			MW-5	MW-6
Matrix			Groundwater	Groundwater
Depth Interval (ft)			-	-
Date Sampled			06/06/13	06/06/13
Parameter	**Units**	**Criteria***		
Semivolatile Organic Compounds				
2,2-oxybis(1-Chloropropane)	UG/L	5	5.0 UJ	5.0 UJ
2,4,5-Trichlorophenol	UG/L	1	25 U	25 U
2,4,6-Trichlorophenol	UG/L	1	10 U	10 U
2,4-Dichlorophenol	UG/L	5	2.0 U	2.0 U
2,4-Dimethylphenol	UG/L	50	2.0 U	2.0 U
2,4-Dinitrophenol	UG/L	10	5.0 U	5.0 U
2,4-Dinitrotoluene	UG/L	5	5.0 U	5.0 U
2,6-Dinitrotoluene	UG/L	5	5.0 U	5.0 U
2-Chloronaphthalene	UG/L	10	10 U	10 U
2-Chlorophenol	UG/L	1	10 U	10 U
2-Methylnaphthalene	UG/L	-	10 U	10 U
2-Methylphenol (o-cresol)	UG/L	1	10 U	10 U
2-Nitroaniline	UG/L	5	5.0 U	5.0 U
2-Nitrophenol	UG/L	1	10 U	10 U
3,3-Dichlorobenzidine	UG/L	5	5.0 U	5.0 U
3-Nitroaniline	UG/L	5	5.0 U	5.0 U
4,6-Dinitro-2-methylphenol	UG/L	1	25 U	25 U
4-Bromophenyl-phenylether	UG/L	-	10 U	10 U
4-Chloro-3-methylphenol	UG/L	1	10 U	10 U
4-Chloroaniline	UG/L	5	5.0 U	5.0 U
4-Chlorophenyl-phenylether	UG/L	-	10 U	10 U
4-Methylphenol (p-cresol)	UG/L	1	10 U	10 U
4-Nitroaniline	UG/L	5	5.0 U	5.0 U
4-Nitrophenol	UG/L	1	25 U	25 U
Acenaphthene	UG/L	20	10 U	10 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

U - Not detected above the reported quantitation limit. J - The reported concentration is an estimated value.
UJ - Not detected. The reported quantitation limit is an estimated value.
D - Result reported from a secondary dilution analysis.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 3
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			MW-05	MW-06
Sample ID			MW-5	MW-6
Matrix			Groundwater	Groundwater
Depth Interval (ft)			-	-
Date Sampled			06/06/13	06/06/13
Parameter	**Units**	**Criteria***		
Semivolatile Organic Compounds				
Acenaphthylene	UG/L	-	10 U	10 U
Acetophenone	UG/L	-	10 U	10 U
Anthracene	UG/L	50	10 U	10 U
Atrazine	UG/L	7.5	8.0 U	8.0 U
Benzaldehyde	UG/L	-	10 UJ	10 UJ
Benzo(a)anthracene	UG/L	0.002	0.020 U	0.020 U
Benzo(a)pyrene	UG/L	ND	10 U	10 U
Benzo(b)fluoranthene	UG/L	0.002	0.020 U	0.020 U
Benzo(g,h,i)perylene	UG/L	-	10 U	10 U
Benzo(k)fluoranthene	UG/L	0.002	0.020 U	0.020 U
bis(2-Chloroethoxy)methane	UG/L	5	5.0 U	5.0 U
bis(2-Chloroethyl)ether	UG/L	1	1.0 U	1.0 U
bis(2-Ethylhexyl)phthalate	UG/L	5	5.0 U	5.0 U
Butylbenzylphthalate	UG/L	50	10 U	10 U
Caprolactam	UG/L	-	10 U	10 U
Carbazole	UG/L	-	10 U	10 U
Chrysene	UG/L	0.002	0.020 U	0.020 U
Dibenz(a,h)anthracene	UG/L	-	10 U	10 U
Dibenzofuran	UG/L	-	10 U	10 U
Diethylphthalate	UG/L	50	10 U	10 U
Dimethylphthalate	UG/L	50	10 U	10 U
Di-n-butylphthalate	UG/L	50	10 U	10 U
Di-n-octylphthalate	UG/L	50	10 U	10 U
Fluoranthene	UG/L	50	10 U	10 U
Fluorene	UG/L	50	10 U	10 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

U - Not detected above the reported quantitation limit. J - The reported concentration is an estimated value.
UJ - Not detected. The reported quantitation limit is an estimated value.
D - Result reported from a secondary dilution analysis.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 3
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			MW-05	MW-06
Sample ID			MW-5	MW-6
Matrix			Groundwater	Groundwater
Depth Interval (ft)			-	-
Date Sampled			06/06/13	06/06/13
Parameter	**Units**	**Criteria***		
Semivolatile Organic Compounds				
Hexachlorobenzene	UG/L	0.04	0.020 U	0.020 U
Hexachlorobutadiene	UG/L	0.5	0.020 U	0.020 U
Hexachlorocyclopentadiene	UG/L	5	5.0 U	5.0 U
Hexachloroethane	UG/L	5	5.0 U	5.0 U
Indeno(1,2,3-cd)pyrene	UG/L	0.002	0.020 U	0.020 U
Isophorone	UG/L	50	10 U	10 U
Naphthalene	UG/L	10	10 U	10 U
Nitrobenzene	UG/L	0.4	1.0 U	1.0 U
N-Nitroso-di-n-propylamine	UG/L	-	10 U	10 U
N-Nitrosodiphenylamine	UG/L	50	10 U	10 U
Pentachlorophenol	UG/L	1	5.0 U	5.0 U
Phenanthrene	UG/L	50	10 U	10 U
Phenol	UG/L	1	2.0 U	2.0 U
Pyrene	UG/L	50	10 U	10 U
Pesticide Organic Compounds				
4,4'-DDD	UG/L	0.3	0.020 U	0.020 U
4,4'-DDE	UG/L	0.2	0.10 U	0.020 U
4,4'-DDT	UG/L	0.2	0.020 U	0.10 U
Aldrin	UG/L	ND	0.050 U	0.050 U
alpha-BHC	UG/L	0.01	0.0020 U	0.0020 U
alpha-Chlordane	UG/L	0.05	0.010 U	0.050 U
beta-BHC	UG/L	0.04	0.040 U	0.040 U
delta-BHC	UG/L	0.04	0.0080 U	0.0080 U
Dieldrin	UG/L	0.004	0.020 U	0.020 U
Dimethoate	UG/L	-	1.0 U	1.0 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

U - Not detected above the reported quantitation limit. J - The reported concentration is an estimated value.
UJ - Not detected. The reported quantitation limit is an estimated value.
D - Result reported from a secondary dilution analysis.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 3
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			MW-05	MW-06
Sample ID			MW-5	MW-6
Matrix			Groundwater	Groundwater
Depth Interval (ft)			-	-
Date Sampled			06/06/13	06/06/13
Parameter	**Units**	**Criteria***		
Pesticide Organic Compounds				
Disulfoton	UG/L	ND	1.0 U	1.0 U
Endosulfan I	UG/L	-	0.050 U	0.010 U
Endosulfan II	UG/L	-	0.10 U	0.10 U
Endosulfan sulfate	UG/L	-	0.10 U	0.020 U
Endrin	UG/L	ND	0.10 U	0.10 U
Endrin aldehyde	UG/L	5	0.020 U	0.020 U
Endrin ketone	UG/L	5	0.10 U	0.10 U
Famphur	UG/L	-	1.0 U	1.0 U
gamma-BHC (Lindane)	UG/L	0.05	0.010 U	0.010 U
gamma-Chlordane	UG/L	0.05	0.050 U	0.050 U
Heptachlor	UG/L	0.04	0.0080 U	0.040 U
Heptachlor epoxide	UG/L	0.03	0.030 U	0.0060 U
Methoxychlor	UG/L	35	0.10 U	0.50 U
Methyl parathion	UG/L	1.5	1.0 U	1.0 U
Parathion	UG/L	1.5	1.0 U	1.0 U
Phorate	UG/L	ND	1.0 U	1.0 U
Thionazin	UG/L	-	1.0 U	1.0 U
Toxaphene	UG/L	0.06	1.0 U	0.20 U
Herbicides				
2,4,5-T	UG/L	35	0.3 U	0.3 U
2,4,5-TP (Silvex)	UG/L	0.26	0.3 U	0.3 U
2,4-D	UG/L	50	0.5 U	0.5 U
2,4-DB	UG/L	-	0.5 U	0.5 U
Dicamba	UG/L	0.44	0.2 U	0.16
Dinoseb	UG/L	1	0.2 U	0.2 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

U - Not detected above the reported quantitation limit. J - The reported concentration is an estimated value.
UJ - Not detected. The reported quantitation limit is an estimated value.
D - Result reported from a secondary dilution analysis.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 3
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			MW-05	MW-06
Sample ID			MW-5	MW-6
Matrix			Groundwater	Groundwater
Depth Interval (ft)			-	-
Date Sampled			06/06/13	06/06/13
Parameter	**Units**	**Criteria***		
Herbicides				
Picrolam	UG/L	50	0.3 U	0.3 U
Polychlorinated Biphenyls				
Aroclor 1016	UG/L	0.09	0.065 U	0.065 U
Aroclor 1221	UG/L	0.09	0.065 U	0.065 U
Aroclor 1232	UG/L	0.09	0.065 U	0.065 U
Aroclor 1242	UG/L	0.09	0.065 U	0.065 U
Aroclor 1248	UG/L	0.09	0.065 U	0.065 U
Aroclor 1254	UG/L	0.09	0.065 U	0.065 U
Aroclor 1260	UG/L	0.09	0.065 U	0.065 U
Metals				
Aluminum	UG/L	-	135 J	45.8 J
Antimony	UG/L	3	4.9 J	1.2 U
Arsenic	UG/L	25	2.8 U	2.8 U
Barium	UG/L	1000	270	106 J
Beryllium	UG/L	3	0.10 U	0.10 U
Cadmium	UG/L	5	0.10 U	0.10 U
Calcium	UG/L	-	82,300	154,000
Chromium	UG/L	50	2.9 U	2.4 U
Cobalt	UG/L	-	0.40 U	2.4 J
Copper	UG/L	200	0.40 U	0.40 U
Iron	UG/L	300	500	60.4 J
Lead	UG/L	25	15.6	13.5
Magnesium	UG/L	35000	23,000	44,300
Manganese	UG/L	300	117	274
Mercury	UG/L	0.7	0.10 U	0.10 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

U - Not detected above the reported quantitation limit. J - The reported concentration is an estimated value.
UJ - Not detected. The reported quantitation limit is an estimated value.
D - Result reported from a secondary dilution analysis.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

I:\11176892\DB\EDMS.mde
Printed: 10/3/2013 2:32:02 PM
[LOGDATE] >= #5/13/2013# AND [MATRIX] = 'WG

TABLE 3
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID			MW-05	MW-06
Sample ID			MW-5	MW-6
Matrix			Groundwater	Groundwater
Depth Interval (ft)			-	-
Date Sampled			06/06/13	06/06/13
Parameter	**Units**	**Criteria***		
Metals				
Nickel	UG/L	100	1.7 U	4.5 U
Potassium	UG/L	-	20,100 J	25,600 J
Selenium	UG/L	10	2.3 UJ	2.3 UJ
Silver	UG/L	50	0.20 U	0.20 U
Sodium	UG/L	20000	408,000	63,400
Thallium	UG/L	0.5	1.9 U	1.9 U
Vanadium	UG/L	-	1.0 J	1.8 J
Zinc	UG/L	2000	11.7 J	6.6 J

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

U - Not detected above the reported quantitation limit. J - The reported concentration is an estimated value.
UJ - Not detected. The reported quantitation limit is an estimated value.
D - Result reported from a secondary dilution analysis.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

I:\1176892\DB\EDMS.mde
Printed: 10/3/2013 2:32:02 PM
[LOGDATE] >= #5/13/2013# AND [MATRIX] = 'WG

TABLE 4
VALIDATED FIELD QC SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID		FIELDQC	FIELDQC	FIELDQC	FIELDQC	FIELDQC
Sample ID		RB-1 (6-8)	RB-2	RB-3	RB-4	RB-5
Matrix		Water Quality	Water Quality	Water Quality	Water Quality	Water Quality
Depth Interval (ft)		-	-	-	-	-
Date Sampled		05/14/13	05/15/13	05/16/13	05/20/13	05/21/13
Parameter	Units	Rinse Blank (1-1)	Rinse Blank (1-1)	Rinse Blank (1-1)	Rinse Blank (1-1)	Rinse Blank (1-1)
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/L	10 U	10 UJ	10 UJ	10 U	10 U
1,1,2,2-Tetrachloroethane	UG/L	10 U	10 UJ	10 UJ	10 U	10 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	10 U	10 UJ	10 UJ	10 U	10 U
1,1,2-Trichloroethane	UG/L	10 U	10 UJ	10 UJ	10 U	10 U
1,1-Dichloroethane	UG/L	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
1,1-Dichloroethene	UG/L	10 U	10 UJ	10 UJ	10 U	10 U
1,2,4-Trichlorobenzene	UG/L	10 U	10 UJ	10 UJ	10 U	10 U
1,2-Dibromo-3-chloropropane	UG/L	10 U	10 UJ	10 UJ	R	R
1,2-Dibromoethane (Ethylene dibromide)	UG/L	10 U	10 UJ	10 UJ	10 U	10 U
1,2-Dichlorobenzene	UG/L	10 U	10 UJ	10 UJ	10 U	10 U
1,2-Dichloroethane	UG/L	10 U	10 UJ	10 UJ	10 U	10 U
1,2-Dichloroethene (cis)	UG/L	10 U	10 UJ	10 UJ	10 U	10 U
1,2-Dichloroethene (trans)	UG/L	10 U	10 UJ	10 UJ	10 U	10 U
1,2-Dichloropropane	UG/L	10 U	10 UJ	10 UJ	10 U	10 U
1,3-Dichlorobenzene	UG/L	10 U	10 UJ	10 UJ	10 U	10 U
1,3-Dichloropropene (cis)	UG/L	10 U	10 UJ	10 UJ	10 U	10 U
1,3-Dichloropropene (trans)	UG/L	10 U	10 UJ	10 UJ	10 U	10 U
1,4-Dichlorobenzene	UG/L	10 U	10 UJ	10 UJ	10 U	10 U
2-Hexanone	UG/L	10 U	10 UJ	10 UJ	10 U	10 U
4-Methyl-2-pentanone	UG/L	10 U	10 UJ	10 UJ	10 U	10 U
Acetone	UG/L	10 U	10 UJ	10 UJ	10 UJ	10 UJ
Benzene	UG/L	10 U	10 UJ	10 UJ	10 U	10 U
Bromodichloromethane	UG/L	10 U	10 UJ	10 UJ	10 U	10 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value.
NA - Not analyzed.
U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 4
VALIDATED FIELD QC SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID		FIELDQC	FIELDQC	FIELDQC	FIELDQC	FIELDQC
Sample ID		RB-1 (6-8)	RB-2	RB-3	RB-4	RB-5
Matrix		Water Quality	Water Quality	Water Quality	Water Quality	Water Quality
Depth Interval (ft)		-	-	-	-	-
Date Sampled		05/14/13	05/15/13	05/16/13	05/20/13	05/21/13
Parameter	Units	Rinse Blank (1-1)	Rinse Blank (1-1)	Rinse Blank (1-1)	Rinse Blank (1-1)	Rinse Blank (1-1)
Volatile Organic Compounds						
Bromoform	UG/L	10 UJ	10 UJ	10 UJ	10 U	10 U
Bromomethane	UG/L	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Carbon disulfide	UG/L	10 U	10 UJ	10 UJ	10 UJ	10 UJ
Carbon tetrachloride	UG/L	10 U	10 UJ	10 UJ	10 U	10 U
Chlorobenzene	UG/L	10 U	10 UJ	10 UJ	10 U	10 U
Chloroethane	UG/L	10 U	10 UJ	10 UJ	10 U	10 U
Chloroform	UG/L	10 U	10 UJ	10 UJ	10 U	10 U
Chloromethane	UG/L	10 U	10 UJ	10 UJ	10 U	10 U
Cyclohexane	UG/L	10 U	10 UJ	10 UJ	10 U	10 U
Dibromochloromethane	UG/L	10 U	10 UJ	10 UJ	10 U	10 U
Dichlorodifluoromethane	UG/L	10 UJ	10 UJ	10 UJ	10 U	10 U
Ethylbenzene	UG/L	10 U	10 UJ	10 UJ	10 U	10 U
Isopropylbenzene (Cumene)	UG/L	10 U	10 UJ	10 UJ	10 U	10 U
Methyl acetate	UG/L	10 U	10 UJ	10 UJ	10 U	10 U
Methyl ethyl ketone (2-Butanone)	UG/L	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Methyl tert-butyl ether	UG/L	10 U	10 UJ	10 UJ	10 U	10 U
Methylcyclohexane	UG/L	10 U	10 UJ	10 UJ	10 U	10 U
Methylene chloride	UG/L	10 U	10 UJ	10 UJ	10 U	10 U
Styrene	UG/L	10 U	10 UJ	10 UJ	10 U	10 U
Tetrachloroethene	UG/L	10 U	10 UJ	10 UJ	10 U	10 U
Toluene	UG/L	10 U	10 UJ	10 UJ	10 U	10 U
Trichloroethene	UG/L	10 U	10 UJ	10 UJ	10 U	10 U
Trichlorofluoromethane	UG/L	10 U	10 UJ	10 UJ	10 UJ	10 UJ

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value.
NA - Not analyzed.
U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 4
VALIDATED FIELD QC SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID		FIELDQC	FIELDQC	FIELDQC	FIELDQC	FIELDQC
Sample ID		RB-1 (6-8)	RB-2	RB-3	RB-4	RB-5
Matrix		Water Quality	Water Quality	Water Quality	Water Quality	Water Quality
Depth Interval (ft)		-	-	-	-	-
Date Sampled		05/14/13	05/15/13	05/16/13	05/20/13	05/21/13
Parameter	**Units**	Rinse Blank (1-1)	Rinse Blank (1-1)	Rinse Blank (1-1)	Rinse Blank (1-1)	Rinse Blank (1-1)
Volatile Organic Compounds						
Vinyl chloride	UG/L	10 U	10 UJ	10 UJ	10 U	10 U
Xylene (total)	UG/L	10 U	10 UJ	10 UJ	10 U	10 U
Semivolatile Organic Compounds						
1,1-Biphenyl	UG/L	10 U	10 U	10 U	10 U	10 U
2,2-oxybis(1-Chloropropane)	UG/L	10 UJ	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	UG/L	25 U	25 U	25 U	25 U	25 U
2,4,6-Trichlorophenol	UG/L	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	UG/L	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	UG/L	10 U	10 U	10 UJ	10 U	10 U
2,4-Dinitrophenol	UG/L	25 U	25 U	25 U	25 U	25 U
2,4-Dinitrotoluene	UG/L	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	UG/L	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	UG/L	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	UG/L	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	UG/L	10 U	10 U	10 U	10 U	10 U
2-Methylphenol (o-cresol)	UG/L	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	UG/L	25 U	25 U	25 U	25 U	25 U
2-Nitrophenol	UG/L	10 U	10 U	10 U	10 U	10 U
3,3-Dichlorobenzidine	UG/L	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	UG/L	25 U	25 U	25 U	25 U	25 U
4,6-Dinitro-2-methylphenol	UG/L	25 U	25 U	25 U	25 U	25 U
4-Bromophenyl-phenylether	UG/L	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	UG/L	10 U	10 U	10 U	10 U	10 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value.
NA - Not analyzed.
U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 4
VALIDATED FIELD QC SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID		FIELDQC	FIELDQC	FIELDQC	FIELDQC	FIELDQC
Sample ID		RB-1 (6-8)	RB-2	RB-3	RB-4	RB-5
Matrix		Water Quality	Water Quality	Water Quality	Water Quality	Water Quality
Depth Interval (ft)		-	-	-	-	-
Date Sampled		05/14/13	05/15/13	05/16/13	05/20/13	05/21/13
Parameter	Units	Rinse Blank (1-1)	Rinse Blank (1-1)	Rinse Blank (1-1)	Rinse Blank (1-1)	Rinse Blank (1-1)
Semivolatile Organic Compounds						
4-Chloroaniline	UG/L	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl-phenylether	UG/L	10 U	10 U	10 U	10 U	10 U
4-Methylphenol (p-cresol)	UG/L	10 U	10 U	10 U	10 U	10 U
4-Nitroaniline	UG/L	25 U	25 U	25 U	25 U	25 U
4-Nitrophenol	UG/L	25 U	25 U	25 U	25 U	25 U
Acenaphthene	UG/L	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	UG/L	10 U	10 U	10 U	10 U	10 U
Acetophenone	UG/L	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Anthracene	UG/L	10 U	10 U	10 U	10 U	10 U
Atrazine	UG/L	10 U	10 U	10 U	10 U	10 U
Benzaldehyde	UG/L	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Benzo(a)anthracene	UG/L	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	UG/L	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	UG/L	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	UG/L	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	UG/L	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	UG/L	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	UG/L	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	UG/L	10 U	10 U	10 U	10 U	10 U
Butylbenzylphthalate	UG/L	10 U	10 U	10 U	10 U	10 U
Caprolactam	UG/L	10 U	10 U	10 U	10 U	10 U
Carbazole	UG/L	10 U	10 U	10 U	10 U	10 U
Chrysene	UG/L	10 U	10 U	10 U	10 U	10 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value.
NA - Not analyzed.
U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 4
VALIDATED FIELD QC SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID		FIELDQC	FIELDQC	FIELDQC	FIELDQC	FIELDQC
Sample ID		RB-1 (6-8)	RB-2	RB-3	RB-4	RB-5
Matrix		Water Quality	Water Quality	Water Quality	Water Quality	Water Quality
Depth Interval (ft)		-	-	-	-	-
Date Sampled		05/14/13	05/15/13	05/16/13	05/20/13	05/21/13
Parameter	Units	Rinse Blank (1-1)	Rinse Blank (1-1)	Rinse Blank (1-1)	Rinse Blank (1-1)	Rinse Blank (1-1)
Semivolatile Organic Compounds						
Dibenz(a,h)anthracene	UG/L	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	UG/L	10 U	10 U	10 U	10 U	10 U
Diethylphthalate	UG/L	10 U	10 U	10 U	10 U	10 U
Dimethylphthalate	UG/L	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	UG/L	10 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate	UG/L	10 U	10 U	10 U	10 U	10 U
Fluoranthene	UG/L	10 U	10 U	10 U	10 U	10 U
Fluorene	UG/L	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	UG/L	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	UG/L	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	UG/L	10 U	10 U	10 U	10 UJ	10 UJ
Hexachloroethane	UG/L	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	UG/L	10 U	10 U	10 U	10 U	10 U
Isophorone	UG/L	10 U	10 U	10 U	10 U	10 U
Naphthalene	UG/L	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	UG/L	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	UG/L	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	UG/L	10 U	10 U	10 U	10 U	10 U
Pentachlorophenol	UG/L	25 U	25 U	25 U	25 U	25 U
Phenanthrene	UG/L	10 U	10 U	10 U	10 U	10 U
Phenol	UG/L	10 U	10 U	10 U	10 U	10 U
Pyrene	UG/L	10 U	10 U	10 U	10 U	10 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value.
NA - Not analyzed.
U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 4
VALIDATED FIELD QC SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID		FIELDQC	FIELDQC	FIELDQC	FIELDQC	FIELDQC
Sample ID		RB-1 (6-8)	RB-2	RB-3	RB-4	RB-5
Matrix		Water Quality	Water Quality	Water Quality	Water Quality	Water Quality
Depth Interval (ft)		-	-	-	-	-
Date Sampled		05/14/13	05/15/13	05/16/13	05/20/13	05/21/13
Parameter	Units	Rinse Blank (1-1)	Rinse Blank (1-1)	Rinse Blank (1-1)	Rinse Blank (1-1)	Rinse Blank (1-1)
Pesticide Organic Compounds						
4,4'-DDD	UG/L	0.10 U	0.10 U	0.10 UJ	0.10 U	0.10 UJ
4,4'-DDE	UG/L	0.10 U	0.10 U	0.10 UJ	0.10 U	0.10 UJ
4,4'-DDT	UG/L	0.10 U	0.10 U	0.10 UJ	0.10 U	0.10 UJ
Aldrin	UG/L	0.050 U	0.050 U	0.050 UJ	0.050 U	0.050 UJ
alpha-BHC	UG/L	0.050 U	0.050 U	0.050 UJ	0.050 U	0.050 UJ
alpha-Chlordane	UG/L	0.050 U	0.050 U	0.050 UJ	0.050 U	0.050 UJ
beta-BHC	UG/L	0.050 U	0.050 U	0.050 UJ	0.050 U	0.050 UJ
delta-BHC	UG/L	0.050 U	0.050 U	0.050 UJ	0.050 U	0.050 UJ
Dieldrin	UG/L	0.10 U	0.10 U	0.10 UJ	0.10 U	0.10 UJ
Dimethoate	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Disulfoton	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Endosulfan I	UG/L	0.050 U	0.050 U	0.050 UJ	0.050 U	0.050 UJ
Endosulfan II	UG/L	0.10 U	0.10 U	0.10 UJ	0.10 U	0.10 UJ
Endosulfan sulfate	UG/L	0.10 U	0.10 U	0.10 UJ	0.10 U	0.10 UJ
Endrin	UG/L	0.10 U	0.10 U	0.10 UJ	0.10 U	0.10 UJ
Endrin aldehyde	UG/L	0.10 U	0.10 U	0.10 UJ	0.10 U	0.10 UJ
Endrin ketone	UG/L	0.10 U	0.10 U	0.10 UJ	0.10 U	0.10 UJ
Famphur	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
gamma-BHC (Lindane)	UG/L	0.050 U	0.050 U	0.050 UJ	0.050 U	0.050 UJ
gamma-Chlordane	UG/L	0.050 U	0.050 U	0.050 UJ	0.050 U	0.050 UJ
Heptachlor	UG/L	0.050 U	0.050 U	0.050 UJ	0.050 U	0.050 UJ
Heptachlor epoxide	UG/L	0.050 U	0.050 U	0.050 UJ	0.050 U	0.050 UJ
Methoxychlor	UG/L	0.50 U	0.50 U	0.50 UJ	0.50 U	0.50 UJ

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value.
NA - Not analyzed.
U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 4
VALIDATED FIELD QC SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID		FIELDQC	FIELDQC	FIELDQC	FIELDQC	FIELDQC
Sample ID		RB-1 (6-8)	RB-2	RB-3	RB-4	RB-5
Matrix		Water Quality	Water Quality	Water Quality	Water Quality	Water Quality
Depth Interval (ft)		-	-	-	-	-
Date Sampled		05/14/13	05/15/13	05/16/13	05/20/13	05/21/13
Parameter	**Units**	Rinse Blank (1-1)	Rinse Blank (1-1)	Rinse Blank (1-1)	Rinse Blank (1-1)	Rinse Blank (1-1)
Pesticide Organic Compounds						
Methyl parathion	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Parathion	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Phorate	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Thionazin	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toxaphene	UG/L	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 UJ
Herbicides						
2,4,5-T	UG/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 UJ
2,4,5-TP (Silvex)	UG/L	0.3 U	0.3 U	0.3 U	0.3 U	0.3 UJ
2,4-D	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ
2,4-DB	UG/L	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
Dicamba	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ
Dinoseb	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ
Picrolam	UG/L	0.3 U	0.25 UJ	0.25 U	0.25 U	0.3 UJ
Polychlorinated Biphenyls						
Aroclor 1016	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ
Aroclor 1221	UG/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 UJ
Aroclor 1232	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ
Aroclor 1242	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ
Aroclor 1248	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ
Aroclor 1254	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ
Aroclor 1260	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ
Metals						
Aluminum	UG/L	304	9.5 U	23.4 J	56.4 J	23.7 J

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value.
NA - Not analyzed.
U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 4
VALIDATED FIELD QC SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID		FIELDQC	FIELDQC	FIELDQC	FIELDQC	FIELDQC
Sample ID		RB-1 (6-8)	RB-2	RB-3	RB-4	RB-5
Matrix		Water Quality	Water Quality	Water Quality	Water Quality	Water Quality
Depth Interval (ft)		-	-	-	-	-
Date Sampled		05/14/13	05/15/13	05/16/13	05/20/13	05/21/13
Parameter	Units	Rinse Blank (1-1)	Rinse Blank (1-1)	Rinse Blank (1-1)	Rinse Blank (1-1)	Rinse Blank (1-1)
Metals						
Antimony	UG/L	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Arsenic	UG/L	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U
Barium	UG/L	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U
Beryllium	UG/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Cadmium	UG/L	0.10 U	0.20 J	0.10 U	0.10 U	0.10 U
Calcium	UG/L	306 J	5.3 U	61.4 J	182 J	118 J
Chromium	UG/L	3.5 J	0.80 J	1.4 J	2.1 J	2.7 J
Cobalt	UG/L	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U
Copper	UG/L	3.8 J	0.40 U	3.5 J	3.2 J	2.6 J
Iron	UG/L	646	2.1 J	46.0 J	130	116
Lead	UG/L	5.5	2.1 J	2.5 J	2.9 J	4.2
Magnesium	UG/L	101 J	16.9 U	16.9 U	19.7 J	16.9 U
Manganese	UG/L	10.0 J	0.30 J	1.9 J	2.5 J	2.5 J
Mercury	UG/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Nickel	UG/L	0.40 J	0.30 U	0.30 U	0.30 U	0.30 U
Potassium	UG/L	5,100	49.0 U	5,840	4,880 J	4,830 J
Selenium	UG/L	R	5.2	2.3 U	2.3 U	2.3 U
Silver	UG/L	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Sodium	UG/L	1,260 U	67.0 U	1,260 U	1,260 U	1,260 U
Thallium	UG/L	1.9 U	2.2 J	1.9 U	1.9 U	1.9 U
Vanadium	UG/L	0.50 J	0.30 U	0.30 U	0.30 U	0.30 U
Zinc	UG/L	7.7 J	0.30 U	3.3 J	3.5 J	13.4 J

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value.
NA - Not analyzed.
U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 4
VALIDATED FIELD QC SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID		FIELDQC	FIELDQC	FIELDQC	FIELDQC
Sample ID		RB-6	RB-7	TB 05232013	TB2 05232013
Matrix		Water Quality	Water Quality	Water Quality	Water Quality
Depth Interval (ft)		-	-	-	-
Date Sampled		05/22/13	05/23/13	06/06/13	06/07/13
Parameter	Units	Rinse Blank (1-1)	Rinse Blank (1-1)	Trip Blank (1-1)	Trip Blank (1-1)
Volatile Organic Compounds					
1,1,1-Trichloroethane	UG/L	10 U	10 UJ	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	UG/L	10 U	10 UJ	5.0 U	5.0 UJ
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	10 U	10 UJ	5.0 UJ	5.0 UJ
1,1,2-Trichloroethane	UG/L	10 U	10 UJ	1.0 U	1.0 U
1,1-Dichloroethane	UG/L	10 UJ	10 UJ	5.0 U	5.0 U
1,1-Dichloroethene	UG/L	10 U	10 UJ	5.0 U	5.0 U
1,2,4-Trichlorobenzene	UG/L	10 U	10 UJ	5.0 UJ	5.0 U
1,2-Dibromo-3-chloropropane	UG/L	R	10 UJ	1.0 UJ	1.0 UJ
1,2-Dibromoethane (Ethylene dibromide)	UG/L	10 U	10 UJ	1.0 U	1.0 U
1,2-Dichlorobenzene	UG/L	10 U	10 UJ	3.0 U	3.0 U
1,2-Dichloroethane	UG/L	10 U	10 UJ	1.0 U	1.0 U
1,2-Dichloroethene (cis)	UG/L	10 U	10 UJ	5.0 U	5.0 U
1,2-Dichloroethene (trans)	UG/L	10 U	10 UJ	5.0 U	5.0 U
1,2-Dichloropropane	UG/L	10 U	10 UJ	1.0 U	1.0 U
1,3-Dichlorobenzene	UG/L	10 U	10 UJ	3.0 U	3.0 U
1,3-Dichloropropene (cis)	UG/L	10 U	10 UJ	1.0 U	1.0 U
1,3-Dichloropropene (trans)	UG/L	10 U	10 UJ	1.0 U	1.0 U
1,4-Dichlorobenzene	UG/L	10 U	10 UJ	3.0 U	3.0 U
2-Hexanone	UG/L	10 U	10 UJ	5.0 U	5.0 U
4-Methyl-2-pentanone	UG/L	10 U	10 UJ	5.0 U	5.0 U
Acetone	UG/L	10 UJ	10 UJ	5.0 UJ	5.0 UJ
Benzene	UG/L	10 U	10 UJ	1.0 U	1.0 U
Bromodichloromethane	UG/L	10 U	10 UJ	5.0 U	5.0 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value.
NA - Not analyzed.
U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 4
VALIDATED FIELD QC SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID		FIELDQC	FIELDQC	FIELDQC	FIELDQC
Sample ID		RB-6	RB-7	TB 05232013	TB2 05232013
Matrix		Water Quality	Water Quality	Water Quality	Water Quality
Depth Interval (ft)		-	-	-	-
Date Sampled		05/22/13	05/23/13	06/06/13	06/07/13
Parameter	Units	Rinse Blank (1-1)	Rinse Blank (1-1)	Trip Blank (1-1)	Trip Blank (1-1)
Volatile Organic Compounds					
Bromoform	UG/L	10 U	10 UJ	5.0 UJ	5.0 UJ
Bromomethane	UG/L	10 UJ	10 UJ	5.0 UJ	5.0 UJ
Carbon disulfide	UG/L	10 UJ	10 UJ	5.0 U	5.0 U
Carbon tetrachloride	UG/L	10 U	10 UJ	5.0 U	5.0 U
Chlorobenzene	UG/L	10 U	10 UJ	5.0 U	5.0 U
Chloroethane	UG/L	10 U	10 UJ	5.0 U	5.0 U
Chloroform	UG/L	10 U	10 UJ	5.0 U	5.0 U
Chloromethane	UG/L	10 U	10 UJ	5.0 UJ	5.0 UJ
Cyclohexane	UG/L	10 U	10 UJ	5.0 U	5.0 UJ
Dibromochloromethane	UG/L	10 U	10 UJ	5.0 U	5.0 UJ
Dichlorodifluoromethane	UG/L	10 U	10 UJ	5.0 U	5.0 U
Ethylbenzene	UG/L	10 U	10 UJ	5.0 U	5.0 U
Isopropylbenzene (Cumene)	UG/L	10 U	10 UJ	5.0 U	5.0 UJ
Methyl acetate	UG/L	10 U	10 UJ	5.0 UJ	5.0 UJ
Methyl ethyl ketone (2-Butanone)	UG/L	10 UJ	10 UJ	5.0 U	5.0 U
Methyl tert-butyl ether	UG/L	10 U	10 UJ	5.0 U	5.0 U
Methylcyclohexane	UG/L	10 U	10 UJ	5.0 U	5.0 UJ
Methylene chloride	UG/L	10 U	10 UJ	5.0 U	5.0 U
Styrene	UG/L	10 U	10 UJ	5.0 U	5.0 U
Tetrachloroethene	UG/L	10 U	10 UJ	5.0 U	5.0 UJ
Toluene	UG/L	10 U	10 UJ	5.0 U	5.0 U
Trichloroethene	UG/L	10 U	10 UJ	5.0 U	5.0 U
Trichlorofluoromethane	UG/L	10 UJ	10 UJ	5.0 UJ	5.0 UJ

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value.
NA - Not analyzed.
U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 4
VALIDATED FIELD QC SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID		FIELDQC	FIELDQC	FIELDQC	FIELDQC
Sample ID		RB-6	RB-7	TB 05232013	TB2 05232013
Matrix		Water Quality	Water Quality	Water Quality	Water Quality
Depth Interval (ft)		-	-	-	-
Date Sampled		05/22/13	05/23/13	06/06/13	06/07/13
Parameter	**Units**	Rinse Blank (1-1)	Rinse Blank (1-1)	Trip Blank (1-1)	Trip Blank (1-1)
Volatile Organic Compounds					
Vinyl chloride	UG/L	10 U	10 UJ	2.0 U	2.0 U
Xylene (total)	UG/L	10 U	10 UJ	5.0 U	5.0 U
Semivolatile Organic Compounds					
1,1-Biphenyl	UG/L	10 U	10 U	NA	NA
2,2-oxybis(1-Chloropropane)	UG/L	10 UJ	10 UJ	NA	NA
2,4,5-Trichlorophenol	UG/L	25 U	25 U	NA	NA
2,4,6-Trichlorophenol	UG/L	10 U	10 U	NA	NA
2,4-Dichlorophenol	UG/L	10 U	10 U	NA	NA
2,4-Dimethylphenol	UG/L	10 U	10 U	NA	NA
2,4-Dinitrophenol	UG/L	25 U	25 U	NA	NA
2,4-Dinitrotoluene	UG/L	10 U	10 U	NA	NA
2,6-Dinitrotoluene	UG/L	10 U	10 U	NA	NA
2-Chloronaphthalene	UG/L	10 U	10 U	NA	NA
2-Chlorophenol	UG/L	10 U	10 U	NA	NA
2-Methylnaphthalene	UG/L	10 U	10 U	NA	NA
2-Methylphenol (o-cresol)	UG/L	10 U	10 U	NA	NA
2-Nitroaniline	UG/L	25 U	25 U	NA	NA
2-Nitrophenol	UG/L	10 U	10 U	NA	NA
3,3-Dichlorobenzidine	UG/L	10 U	10 U	NA	NA
3-Nitroaniline	UG/L	25 U	25 U	NA	NA
4,6-Dinitro-2-methylphenol	UG/L	25 U	25 U	NA	NA
4-Bromophenyl-phenylether	UG/L	10 U	10 U	NA	NA
4-Chloro-3-methylphenol	UG/L	10 U	10 U	NA	NA

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value.
NA - Not analyzed.
U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 4
VALIDATED FIELD QC SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID		FIELDQC	FIELDQC	FIELDQC	FIELDQC
Sample ID		RB-6	RB-7	TB 05232013	TB2 05232013
Matrix		Water Quality	Water Quality	Water Quality	Water Quality
Depth Interval (ft)		-	-	-	-
Date Sampled		05/22/13	05/23/13	06/06/13	06/07/13
Parameter	Units	Rinse Blank (1-1)	Rinse Blank (1-1)	Trip Blank (1-1)	Trip Blank (1-1)
Semivolatile Organic Compounds					
4-Chloroaniline	UG/L	10 U	10 U	NA	NA
4-Chlorophenyl-phenylether	UG/L	10 U	10 U	NA	NA
4-Methylphenol (p-cresol)	UG/L	10 U	10 U	NA	NA
4-Nitroaniline	UG/L	25 U	25 U	NA	NA
4-Nitrophenol	UG/L	25 U	25 U	NA	NA
Acenaphthene	UG/L	10 U	10 U	NA	NA
Acenaphthylene	UG/L	10 U	10 U	NA	NA
Acetophenone	UG/L	10 UJ	10 UJ	NA	NA
Anthracene	UG/L	10 U	10 U	NA	NA
Atrazine	UG/L	10 U	10 U	NA	NA
Benzaldehyde	UG/L	10 UJ	10 UJ	NA	NA
Benzo(a)anthracene	UG/L	10 U	10 U	NA	NA
Benzo(a)pyrene	UG/L	10 U	10 U	NA	NA
Benzo(b)fluoranthene	UG/L	10 U	10 U	NA	NA
Benzo(g,h,i)perylene	UG/L	10 U	10 U	NA	NA
Benzo(k)fluoranthene	UG/L	10 U	10 U	NA	NA
bis(2-Chloroethoxy)methane	UG/L	10 U	10 U	NA	NA
bis(2-Chloroethyl)ether	UG/L	10 U	10 U	NA	NA
bis(2-Ethylhexyl)phthalate	UG/L	10 U	10 U	NA	NA
Butylbenzylphthalate	UG/L	10 U	10 U	NA	NA
Caprolactam	UG/L	10 U	10 U	NA	NA
Carbazole	UG/L	10 U	10 U	NA	NA
Chrysene	UG/L	10 U	10 U	NA	NA

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value.
NA - Not analyzed.
U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 4
VALIDATED FIELD QC SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID		FIELDQC	FIELDQC	FIELDQC	FIELDQC
Sample ID		RB-6	RB-7	TB 05232013	TB2 05232013
Matrix		Water Quality	Water Quality	Water Quality	Water Quality
Depth Interval (ft)		-	-	-	-
Date Sampled		05/22/13	05/23/13	06/06/13	06/07/13
Parameter	Units	Rinse Blank (1-1)	Rinse Blank (1-1)	Trip Blank (1-1)	Trip Blank (1-1)
Semivolatile Organic Compounds					
Dibenz(a,h)anthracene	UG/L	10 U	10 U	NA	NA
Dibenzofuran	UG/L	10 U	10 U	NA	NA
Diethylphthalate	UG/L	10 U	10 U	NA	NA
Dimethylphthalate	UG/L	10 U	10 U	NA	NA
Di-n-butylphthalate	UG/L	10 U	10 U	NA	NA
Di-n-octylphthalate	UG/L	10 U	10 U	NA	NA
Fluoranthene	UG/L	10 U	10 U	NA	NA
Fluorene	UG/L	10 U	10 U	NA	NA
Hexachlorobenzene	UG/L	10 U	10 U	NA	NA
Hexachlorobutadiene	UG/L	10 U	10 U	NA	NA
Hexachlorocyclopentadiene	UG/L	10 UJ	10 UJ	NA	NA
Hexachloroethane	UG/L	10 U	10 U	NA	NA
Indeno(1,2,3-cd)pyrene	UG/L	10 U	10 U	NA	NA
Isophorone	UG/L	10 U	10 U	NA	NA
Naphthalene	UG/L	10 U	10 U	NA	NA
Nitrobenzene	UG/L	10 U	10 U	NA	NA
N-Nitroso-di-n-propylamine	UG/L	10 U	10 U	NA	NA
N-Nitrosodiphenylamine	UG/L	10 U	10 U	NA	NA
Pentachlorophenol	UG/L	25 U	25 U	NA	NA
Phenanthrene	UG/L	10 U	10 U	NA	NA
Phenol	UG/L	10 U	10 U	NA	NA
Pyrene	UG/L	10 U	10 U	NA	NA

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value.
NA - Not analyzed.
U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 4
VALIDATED FIELD QC SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID		FIELDQC	FIELDQC	FIELDQC	FIELDQC
Sample ID		RB-6	RB-7	TB 05232013	TB2 05232013
Matrix		Water Quality	Water Quality	Water Quality	Water Quality
Depth Interval (ft)		-	-	-	-
Date Sampled		05/22/13	05/23/13	06/06/13	06/07/13
Parameter	Units	Rinse Blank (1-1)	Rinse Blank (1-1)	Trip Blank (1-1)	Trip Blank (1-1)
Pesticide Organic Compounds					
4,4'-DDD	UG/L	0.10 UJ	0.10 U	NA	NA
4,4'-DDE	UG/L	0.10 UJ	0.10 U	NA	NA
4,4'-DDT	UG/L	0.10 UJ	0.10 U	NA	NA
Aldrin	UG/L	0.050 UJ	0.050 U	NA	NA
alpha-BHC	UG/L	0.050 UJ	0.050 U	NA	NA
alpha-Chlordane	UG/L	0.050 UJ	0.050 U	NA	NA
beta-BHC	UG/L	0.050 UJ	0.050 U	NA	NA
delta-BHC	UG/L	0.050 UJ	0.050 U	NA	NA
Dieldrin	UG/L	0.10 UJ	0.10 U	NA	NA
Dimethoate	UG/L	1.0 U	1.0 U	NA	NA
Disulfoton	UG/L	1.0 U	1.0 U	NA	NA
Endosulfan I	UG/L	0.050 UJ	0.050 U	NA	NA
Endosulfan II	UG/L	0.10 UJ	0.10 U	NA	NA
Endosulfan sulfate	UG/L	0.10 UJ	0.10 U	NA	NA
Endrin	UG/L	0.10 UJ	0.10 U	NA	NA
Endrin aldehyde	UG/L	0.10 UJ	0.10 U	NA	NA
Endrin ketone	UG/L	0.10 UJ	0.10 U	NA	NA
Famphur	UG/L	1.0 U	1.0 U	NA	NA
gamma-BHC (Lindane)	UG/L	0.050 UJ	0.050 U	NA	NA
gamma-Chlordane	UG/L	0.050 UJ	0.050 U	NA	NA
Heptachlor	UG/L	0.050 UJ	0.050 U	NA	NA
Heptachlor epoxide	UG/L	0.050 UJ	0.050 U	NA	NA
Methoxychlor	UG/L	0.50 UJ	0.50 U	NA	NA

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value.
NA - Not analyzed.
U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 4
VALIDATED FIELD QC SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID		FIELDQC	FIELDQC	FIELDQC	FIELDQC
Sample ID		RB-6	RB-7	TB 05232013	TB2 05232013
Matrix		Water Quality	Water Quality	Water Quality	Water Quality
Depth Interval (ft)		-	-	-	-
Date Sampled		05/22/13	05/23/13	06/06/13	06/07/13
Parameter	**Units**	Rinse Blank (1-1)	Rinse Blank (1-1)	Trip Blank (1-1)	Trip Blank (1-1)
Pesticide Organic Compounds					
Methyl parathion	UG/L	1.0 U	1.0 U	NA	NA
Parathion	UG/L	1.0 U	1.0 U	NA	NA
Phorate	UG/L	1.0 U	1.0 U	NA	NA
Thionazin	UG/L	1.0 U	1.0 U	NA	NA
Toxaphene	UG/L	5.0 UJ	5.0 U	NA	NA
Herbicides					
2,4,5-T	UG/L	0.3 UJ	0.3 U	NA	NA
2,4,5-TP (Silvex)	UG/L	0.3 UJ	0.3 U	NA	NA
2,4-D	UG/L	0.5 UJ	0.5 U	NA	NA
2,4-DB	UG/L	0.5 UJ	0.5 U	NA	NA
Dicamba	UG/L	0.2 UJ	0.2 U	NA	NA
Dinoseb	UG/L	0.2 UJ	0.2 U	NA	NA
Picrolam	UG/L	0.3 UJ	0.3 U	NA	NA
Polychlorinated Biphenyls					
Aroclor 1016	UG/L	1.0 U	1.0 U	NA	NA
Aroclor 1221	UG/L	2.0 U	2.0 U	NA	NA
Aroclor 1232	UG/L	1.0 U	1.0 U	NA	NA
Aroclor 1242	UG/L	1.0 U	1.0 U	NA	NA
Aroclor 1248	UG/L	1.0 U	1.0 U	NA	NA
Aroclor 1254	UG/L	1.0 U	1.0 U	NA	NA
Aroclor 1260	UG/L	1.0 U	1.0 U	NA	NA
Metals					
Aluminum	UG/L	37.5 J	29.7 J	NA	NA

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value.
NA - Not analyzed.
U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

TABLE 4
VALIDATED FIELD QC SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE RI/FS
BALSTON SPA, NEW YORK

Location ID		FIELDQC	FIELDQC	FIELDQC	FIELDQC
Sample ID		RB-6	RB-7	TB 05232013	TB2 05232013
Matrix		Water Quality	Water Quality	Water Quality	Water Quality
Depth Interval (ft)		-	-	-	-
Date Sampled		05/22/13	05/23/13	06/06/13	06/07/13
Parameter	**Units**	Rinse Blank (1-1)	Rinse Blank (1-1)	Trip Blank (1-1)	Trip Blank (1-1)
Metals					
Antimony	UG/L	1.2 U	22.0 J	NA	NA
Arsenic	UG/L	2.8 U	2.8 U	NA	NA
Barium	UG/L	3.7 U	3.7 U	NA	NA
Beryllium	UG/L	0.10 U	0.10 U	NA	NA
Cadmium	UG/L	0.10 U	0.10 U	NA	NA
Calcium	UG/L	128 J	165 J	NA	NA
Chromium	UG/L	1.7 J	0.80 J	NA	NA
Cobalt	UG/L	0.40 U	0.40 U	NA	NA
Copper	UG/L	3.9 J	3.1 J	NA	NA
Iron	UG/L	53.3 J	73.8 J	NA	NA
Lead	UG/L	2.3 J	1.0 U	NA	NA
Magnesium	UG/L	24.2 J	16.9 U	NA	NA
Manganese	UG/L	2.5 J	2.5 J	NA	NA
Mercury	UG/L	0.10 U	0.002 U	NA	NA
Nickel	UG/L	0.40 J	3.2 J	NA	NA
Potassium	UG/L	3,960 J	7,520	NA	NA
Selenium	UG/L	2.3 U	17.1	NA	NA
Silver	UG/L	0.20 U	0.20 U	NA	NA
Sodium	UG/L	1,260 U	1,260 U	NA	NA
Thallium	UG/L	1.9 U	6.1 J	NA	NA
Vanadium	UG/L	0.30 U	0.90 J	NA	NA
Zinc	UG/L	4.0 J	4.2 J	NA	NA

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value.
NA - Not analyzed.
U - Not detected above the reported quantitation limit. UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
Made By_PRF 09/25/13_; Checked By_AMK 09/30/13_

Detection Limits shown are PQL

ATTACHMENT A

SUPPORT DOCUMENTATION

FED EX # 1997 6089 3524

URS148

CHAIN OF CUSTODY RECORD

URS

PROJECT NO. 11176892.00002 | SITE NAME Old Agway

SAMPLERS (PRINT/SIGNATURE) Tim Burmeier/Chuck Dusel

DELIVERY SERVICE: Fedex | AIRBILL NO.:

LAB H2M

COOLER 4 of 4

PAGE 4 of 4

TESTS: 2 dec amber | 2 8 amber | 500 amber

BOTTLE TYPE AND PRESERVATIVE: 1 poly | 1 poly HNO3 | 1 poly NaOH | 1 poly NaOH/Starch

LOCATION IDENTIFIER	DATE	TIME	COMP/ GRAB	SAMPLE ID	MATRIX	TOTAL NO. # OF CONTAINERS					REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO.# (IRPIMS ONLY)
HA2	5/14/13	14:30	G	HA-2(1.5-2)	SO	4	2	1	1		1305793-001	N	1.5	2	
HA2	5/14/13	14:40	G	HA-2(3')	SO	4	2	1	1		↓ -002	N	3	3	

Cooler temp 0.8 °C
IR gun 111728524 / ~~122076478~~
pH strips (HC256691) ≤2 3 9 ≥12
Free Cl2 strips(041912C)Present/Absent
Lot#

MATRIX CODES: AA - AMBIENT AIR; SE - SEDIMENT; SH - HAZARDOUS SOLID WASTE; SL - SLUDGE; WP - DRINKING WATER; WW - WASTE WATER; WG - GROUND WATER; SO - SOIL; DC - DRILL CUTTINGS; WL - LEACHATE; GS - SOIL GAS; WC - DRILLING WATER; WO - OCEAN WATER; WS - SURFACE WATER; WQ - WATER FIELD QC; LH - HAZARDOUS LIQUID WASTE; LF - FLOATING/FREE PRODUCT ON GW TABLE

SAMPLE TYPE CODES: TB# - TRIP BLANK; SD# - MATRIX SPIKE DUPLICATE; RB# - RINSE BLANK; FR# - FIELD REPLICATE; N# - NORMAL ENVIRONMENTAL SAMPLE; MS# - MATRIX SPIKE; (# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
Tim Burmeier	5/14/13	330		5-15-13	11:00
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME

SPECIAL INSTRUCTIONS: Questions: Call George Kisluk 716-856-5636

Distribution: Original accompanies shipment, copy to coordinator field files

URSF-075C/1 OF 1/CofCR/GCM

URS148 A13

FLD+LT 1117 6001 5798

URS148

CHAIN OF CUSTODY RECORD

URS

PROJECT NO. 11176912.00002 | SITE NAME OLD MOWAY

SAMPLERS (PRINT/SIGNATURE) TIM BURMEISTER / TIM BURMEISTER

DELIVERY SERVICE: FEDEX AIRBILL NO.:

LAB H2M

COOLER 1 of 4

PAGE 1 of

TESTS: VOCs, TCL METALS (ASP/HARD), PCBs, TCL SVOCs

BOTTLE TYPE AND PRESERVATIVE: 2oz AMBER, 2oz AMBER, 8oz AMBERS

LOCATION IDENTIFIER	DATE	TIME	COMP/ GRAB	SAMPLE ID	MATRIX	TOTAL NO.# OF CONTAINERS	2oz AMBER	2oz AMBER	8oz AMBERS	REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO.# (IFPIMS ONLY)
MW-1	5/13/13	2:15PM	G	MW1 (0-2)	SO	4	2	1	1	1305793-003	N	0	2	
MW-1	5/13/13	2:20PM	G	MW-1 (2-4)	SO	4	2	1	1	-004	N	2	4	
MW-1	5/13/13	2:30PM	G	MW-1 (4-6)	SO	4	2	1	1	-005	N	4	6	
MW-1	5/13/13	2:40PM	G	MW-1 (6-8)	SO	4	2	1	1	-006	N	6	8	
MW-1	5/13/13	2:45PM	G	MW-1 (8-10)	SO	4	2	1	1	-007	N	8	10	
MW-1	5/13/13	2:50PM	G	MW-1 (10-12)	SO	4	2	1	1	-008	N	10	12	
MW-1	5/13/13	2:58PM	G	MW-1 (12-14)	SO	4	2	1	1	-009	N	12	14	
MW-1	5/13/13	3:10PM	G	MW-1 (14-16)	SO	4	2	1	1	-010	N	14	16	

Cooler temp 4.6 °C

IR gun 111728524 ~~122076478~~

pH strips (HC256691) ≤2 3 9 ≥12

Free Cl2 strips(041912C)Present/Absent

Lot#

MATRIX CODES	AA - AMBIENT AIR	SE - SEDIMENT	SH - HAZARDOUS SOLID WASTE	SL - SLUDGE	WP - DRINKING WATER	WW - WASTE WATER
	WG - GROUND WATER	SO - SOIL	DC - DRILL CUTTINGS	WL - LEACHATE	GS - SOIL GAS	WC - DRILLING WATER
	WO - OCEAN WATER	WS - SURFACE WATER	WQ - WATER FIELD QC	LH - HAZARDOUS LIQUID WASTE	LF - FLOATING/FREE PRODUCT ON GW TABLE	
SAMPLE TYPE CODES	TB# - TRIP BLANK	SD# - MATRIX SPIKE DUPLICATE	RB# - RINSE BLANK	FR# - FIELD REPLICATE	N# - NORMAL ENVIRONMENTAL SAMPLE	MS# - MATRIX SPIKE
	(# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)					

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
TIM BURMEISTER	5/14/13	330	M. Hall	5-15-13	11:00
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME

SPECIAL INSTRUCTIONS

QUESTIONS; CALL GEORGE KISLUK 716-856-5636

Distribution: Original accompanies shipment, copy to coordinator field files

URSF-075C/1 OF 1/COFCR/GCM

URS148 A14

URS148

CHAIN OF CUSTODY RECORD

URS

PROJECT NO. 11176892.00002 | SITE NAME Old Agway

SAMPLERS (PRINT/SIGNATURE) Tim Blummeier

LAB H2M

COOLER 2&3 of 3

PAGE 2 of

DELIVERY SERVICE: FedEx AIRBILL NO.:

TESTS: TCL VOCs; TAL METALS (Pb, Hg, Fe, Mn, Al, Sb, Cr)

BOTTLE TYPE AND PRESERVATIVE: 1Bc Clear; 2Bc Amber; 8Bc; 1L Amber; 40ml Amber w/ HCl; 500ml w/ NO3

LOCATION IDENTIFIER	DATE	TIME	COMP/ GRAB	SAMPLE ID	MATRIX	TOTAL NO.# OF CONTAINERS	1Bc Clear	2Bc Amber	8Bc	1L Amber	40ml Amber w/ HCl	500ml w/ NO3			REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO.# (IRPIMS ONLY)
HA-1	5/14/13	15:15	G	HA-1 (1'-2')	SO	4	1	2	1				1305929-001		Hand Auger	N	1	2	
HA-1	5/14/13	15:25	G	HA-1 (2'-3')	SO	4	1	2	1					2	↓	N	2	3	
SB-2	5/15/13	1450	G	SB2 (4-6)	SO	4	1	2	1					3	Soil borings	N	4	6	
SB2	5/15/13	1458	G	SB2 (6-8)	SO	4	1	2	1					4	↓	N	6	8	
SB-2	5/15/13	1507	G	SB2 (8-10)	SO	4	1	2	1					5	↓	N	8	10	
SB2 ~~SB2~~	5/15/13	1530	G	RB-2	RB	9				1	2	1		11	Rinse Blank	RB	—	—	
SB2	5/15/13	1545	G	SB2 (10-12)	SO	4	1	2	1					6	Soil borings	N	10	12	
SB2	5/15/13	1550	G	SB2 (12-14)	SO	4	1	2	1					7	↓	N	12	14	
SB-2	5/15/13	1600	G	SB2 (14-16)	SO	4	1	2	1					8		N	14	16	
SB2	5/15/13	1607	G	SB2 (16-18)	SO	4	1	2	1					9		N	16	18	
SB2	5/15/13	1611	G	SB2 (18-20)	SO	4	1	2	1				↓	10	↓	N	18	20	
(R)																			(2)

MATRIX CODES							
	AA - AMBIENT AIR	SL - SLUDGE	WG - GROUND WATER	WL - LEACHATE	WO - OCEAN WATER	LH - HAZARDOUS LIQUID WASTE	
	SE - SEDIMENT	WP - DRINKING WATER	SO - SOIL	GS - SOIL GAS	WS - SURFACE WATER	LF - FLOATING/FREE PRODUCT ON GW TABLE	
	SH - HAZARDOUS SOLID WASTE	WW - WASTE WATER	DC - DRILL CUTTINGS	WC - DRILLING WATER	WQ - WATER FIELD QC		

SAMPLE TYPE CODES			
	TB# - TRIP BLANK	RB# - RINSE BLANK	N# - NORMAL ENVIRONMENTAL SAMPLE
	SD# - MATRIX SPIKE DUPLICATE	FR# - FIELD REPLICATE	MS# - MATRIX SPIKE

(# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
Tim Blummeier	5-16-13	900	M Wall	5-17-13	11:00
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME

Cooler temp 17.9 °C, 15.6°C
IR gun 122336969 / 122076478
pH strips (10BDH0431) ≤2 3 9 ≥12
Free Cl2 strips(041912C)Present/Absent
Lot#

Distribution: Original accompanies shipment, copy to coordinator field files

URSF-075C/1 OF 1/ColCR/GCM

URS148 A22

H2M labs

H2M LABS INC
575 Broad Hollow Rd.
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.h2mlabs.com

URS MB

Sample Receipt Checklist

Client Name **URS** Date and Time Received: **5/17/2013 11:00:00 AM**

Work Order Number: **1305929** RcptNo: **1** Received by **MelissaWatson**

Completed by: M. Ward Reviewed by:

Completed Date: 5/20/2013 Reviewed Date: 5/21/2013 5:41:33 PM

Carrier name: FedEx

Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Are matrices correctly identified on Chain of custody?	Yes ☑	No ☐		
Is it clear what analyses were requested?	Yes ☑	No ☐		
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present	☑
Samples in proper container/bottle?	Yes ☑	No ☐		
Were correct preservatives used and noted?	Yes ☑	No ☐	NA	☐
Preservative added to bottles:				
Sample Condition?	Intact ☑	Broken ☐	Leaking	☐
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
Were container labels complete (ID, Pres, Date)?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Was an attempt made to cool the samples?	Yes ☑	No ☐	NA	☐
All samples received at a temp. of > 0° C to 6.0° C?	Yes ☐	No ☑	NA	☐
Response when temperature is outside of range:	Approved by client.			
Sample Temp. taken and recorded upon receipt?	Yes ☑	No ☐	15.6 To 17.9 °	
Water - Were bubbles absent in VOC vials?	Yes ☑	No ☐	No Vials	☐
Water - Was there Chlorine Present?	Yes ☐	No ☐	NA	☑
Water - pH acceptable upon receipt?	Yes ☑	No ☐	No Water	☐
Are Samples considered acceptable?	Yes ☑	No ☐		
Custody Seals present?	Yes ☑	No ☐		
Airbill or Sticker?	Air Bill ☑	Sticker ☐	Not Present	☐
Airbill No:				

Case Number: SDG: URS148 SAS:

Any No response should be detailed in the comments section below, if applicable.

Client Contacted? ☑ Yes ☐ No Person Contacted: Peter Fairbanks

Contact Mode: ☑ Phone: ☐ Fax: ☐ Email: ☐ In Person:

Client Instructions: Proceed with analysis, he will inform the samplers to use more ice.

Date Contacted: 5/17/2013 Contacted By: MelissaWatson

Regarding: Thermal preservation

Comments:

FedEx tracking #s: 8028 4059 9363; 8028 4060 1481; 8028 4059 9580. The samples were received above 6 degrees Celsius.

CorrectiveAction:

URS148 A23

H 2 M labs

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR VOLATILE ORGANICS
SAMPLES RECEIVED: 5/15/13 & 5/17/13
SDG #: URS148

For Sample(s):

HA-2 (1.5-2)	MW-1 (10-12)	SB-2 (8-10)
HA-2 (3)	MW-1 (12-14)	SB-2 (10-12)
MW-1 (0-2)	MW-1 (14-16)	SB-2 (12-14)
MW-1 (2-4)	HA-1 (1-2)	SB-2 (14-16)
MW-1 (4-6)	HA-1 (2-3)	SB-2 (16-18)
MW-1 (6-8)	SB-2 (4-6)	SB-2 (18-20)
MW-1 (8-10)	SB-2 (6-8)	RB-2

The above sample(s) and blanks was/were analyzed for a select list of volatile organic analytes by EPA method 8260B.

All Q.C. data and calibrations met the requirements of the method, and no problems were encountered with sample analysis. The following should be noted:

Sample ~~HA-2 (1.5-2)~~ HA-1 (1-2) was analyzed as the matrix spike/matrix spike duplicate. % recoveries for 14 out of 96 analytes were outside of Q.C. limits (mostly high recoveries). Lab fortified blanks were analyzed. All percent recoveries were within or above Q.C. limits.

7/19/13 pc In the continuing calibration verification (CCV's) some compounds had %D's above 15%. These compounds are noted on Form VII. Results for these analytes are regarded as estimated and are flagged with a "Z" qualifier if found in samples associated with that calibration.

Low levels of acetone were present in the method blank of 5/18/13 and tri low levels of 1,2,4-chlorobenzene was present in the method blank of 5/21/13. These analytes were flagged with a "B" qualifier if present in samples associated with these blanks.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: June 13, 2013

****
* *
* *
****

Joann M. Slavin
Senior Vice President

URS148 A3

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK051813

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS148

Lab File ID: A\A78664.D Lab Sample ID: VBLK051813

Date Analyzed: 05/18/13 Time Analyzed: 17:09

GC Column: Rtx-624 ID: .18 (mm) Heated Purge: (Y/N) Y

Instrument ID: HP5971

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LFB051813	LFB051813	A\A78665.D	17:39
02	HA-1 (1-2)	1305929-001A	A\A78671.D	20:44
03	HA-1 (1-2)MS	1305929-001AMS	A\A78672.D	21:19
04	HA-1 (1-2)MSD	1305929-001AMSD	A\A78673.D	21:49
05	HA-1 (2-3)	1305929-002A	A\A78674.D	22:20
06	SB-2 (4-6)	1305929-003A	A\A78675.D	22:50
07	SB-2 (6-8)	1305929-004A	A\A78676.D	23:20
08	SB-2 (8-10)	1305929-005A	A\A78677.D	23:51
09	SB-2 (10-12)	1305929-006A	A\A78678.D	0:21
10	SB-2 (12-14)	1305929-007A	A\A78679.D	0:51
11	SB-2 (14-16)	1305929-008A	A\A78680.D	1:22
12	SB-2 (16-18)	1305929-009A	A\A78681.D	1:52
13	SB-2 (18-20)	1305929-010A	A\A78682.D	2:22

COMMENTS: _____

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLK051813

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS148

Matrix: (soil/water) SOIL Lab Sample ID: VBLK051813

Sample wt/vol: 5 (g/mL) G Lab File ID: A\A78664.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 05/18/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	4	J
75-15-0	Carbon disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U

URS148 V323

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS148

Lab File ID: A\A78613.D BFB Injection Date: 05/16/13

Instrument ID: HP5971 BFB Injection Time: 16:49

GC Column: Rtx-624 ID: .18 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.1
75	30.0 - 60.0% of mass 95	43.2
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.0
173	Less than 2.0% of mass 174	0.1 (0.2)1
174	Greater than 50.0% of mass 95	72.8
175	5.0 - 9.0% of mass 174	5.2 (7.1)1
176	95.0 - 101.0% of mass 174	72.0 (98.9)1
177	5.0 - 9.0% of mass 176	4.8 (6.7)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050	VSTD050	A\A78614.D	05/16/13	17:15
02	VBLK051613	VBLK051613	A\A78615.D	05/16/13	17:53
03	LFB051613	LFB051613	A\A78616.D	05/16/13	18:27
04	HA-2 (1.5-2)	1305793-001A	A\A78626.D	05/16/13	23:40
05	HA-2 (3)	1305793-002A	A\A78627.D	05/17/13	0:10
06	MW-1 (0-2)	1305793-003A	A\A78628.D	05/17/13	0:40
07	MW-1 (2-4)	1305793-004A	A\A78629.D	05/17/13	1:11
08	MW-1 (4-6)	1305793-005A	A\A78630.D	05/17/13	1:41
09	MW-1 (6-8)	1305793-006A	A\A78631.D	05/17/13	2:11
10	MW-1 (8-10)	1305793-007A	A\A78632.D	05/17/13	2:42
11	MW-1 (10-12)	1305793-008A	A\A78633.D	05/17/13	3:12
12	MW-1 (12-14)	1305793-009A	A\A78634.D	05/17/13	3:42
13	MW-1 (14-16)	1305793-010A	A\A78635.D	05/17/13	4:13

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS148

Lab File ID: A\A78662.D BFB Injection Date: 05/18/13

Instrument ID: HP5971 BFB Injection Time: 15:28

GC Column: Rtx-624 ID: .18 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.0
75	30.0 - 60.0% of mass 95	45.9
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.1 (0.2)1
174	Greater than 50.0% of mass 95	67.0
175	5.0 - 9.0% of mass 174	5.2 (7.7)1
176	95.0 - 101.0% of mass 174	65.6 (97.8)1
177	5.0 - 9.0% of mass 176	4.0 (6.2)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050	VSTD050	A\A78663.D	05/18/13	16:29
02	VBLK051813	VBLK051813	A\A78664.D	05/18/13	17:09
03	LFB051813	LFB051813	A\A78665.D	05/18/13	17:39
04	HA-1 (1-2)	1305929-001A	A\A78671.D	05/18/13	20:44
05	HA-1 (1-2)MS	1305929-001AMS	A\A78672.D	05/18/13	21:19
06	HA-1 (1-2)MSD	1305929-001AMSD	A\A78673.D	05/18/13	21:49
07	HA-1 (2-3)	1305929-002A	A\A78674.D	05/18/13	22:20
08	SB-2 (4-6)	1305929-003A	A\A78675.D	05/18/13	22:50
09	SB-2 (6-8)	1305929-004A	A\A78676.D	05/18/13	23:20
10	SB-2 (8-10)	1305929-005A	A\A78677.D	05/18/13	23:51
11	SB-2 (10-12)	1305929-006A	A\A78678.D	05/19/13	0:21
12	SB-2 (12-14)	1305929-007A	A\A78679.D	05/19/13	0:51
13	SB-2 (14-16)	1305929-008A	A\A78680.D	05/19/13	1:22
14	SB-2 (16-18)	1305929-009A	A\A78681.D	05/19/13	1:52
15	SB-2 (18-20)	1305929-010A	A\A78682.D	05/19/13	2:22

URS148 V19

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS148

Lab File ID: 13\G19195. BFB Injection Date: 05/21/13

Instrument ID: HP5972-2 BFB Injection Time: 11:27

GC Column: Rtx-624 ID: .18 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.9
75	30.0 - 60.0% of mass 95	43.1
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	83.8
175	5.0 - 9.0% of mass 174	6.2 (7.4)1
176	95.0 - 101.0% of mass 174	82.6 (98.6)1
177	5.0 - 9.0% of mass 176	5.3 (6.5)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050	VSTD050	13\G19196.	05/21/13	11:43
02	VBLK052113	VBLK052113	13\G19197.	05/21/13	12:12
03	LFB052113	LFB052113	13\G19198.	05/21/13	12:42
04	RB-2	1305929-011A	13\G19208.	05/21/13	17:37

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS148

Instrument ID: HP5971 Calibration Date: 05/16/13 Time: 17:15

Lab File ID: A\A78614.D Init. Calib. Date(s): 05/15/13 05/16/13

EPA Sample No.(VSTD050##): VSTD050 Init. Calib. Times: 21:44 0:15

Heated Purge: (Y/N) Y

GC Column: Rtx-624 ID: .18 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	3.772	3.325		-11.9	
Chloromethane	4.002	4.199	0.100	4.9	
Vinyl chloride	3.770	3.725		-1.2	20.0
Bromomethane	1.278	1.359		6.3	
Chloroethane	2.288	2.326		1.6	
Trichlorofluoromethane	3.685	3.365		-8.7	
1,1-Dichloroethene	2.655	2.578		-2.9	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	2.863	2.444		-14.6	
Acetone	0.571	0.546		-4.4	
Carbon disulfide	10.049	9.901		-1.5	
Methyl Acetate	1.824	1.583		-13.2	
Methylene chloride	3.622	3.344		-7.7	
trans-1,2-Dichloroethene	3.072	3.029		-1.4	
Methyl tert-butyl ether	6.141	6.359		3.5	
1,1-Dichloroethane	5.254	5.181	0.100	-1.4	
cis-1,2-Dichloroethene	3.188	3.216		0.9	
2-Butanone	0.926	1.193		28.8	
Chloroform	4.878	4.718		-3.3	20.0
1,1,1-Trichloroethane	0.562	0.565		0.5	
Cyclohexane	0.853	0.746		-12.6	
Carbon tetrachloride	0.482	0.456		-5.3	
Benzene	1.801	1.874		4.0	
1,2-Dichloroethane	2.682	2.752		2.6	
Trichloroethene	0.477	0.483		1.3	
Methylcyclohexane	0.781	0.643		-17.6	
1,2-Dichloropropane	0.452	0.480		6.1	20.0
Bromodichloromethane	0.504	0.546		8.3	
cis-1,3-Dichloropropene	0.642	0.713		11.1	
4-Methyl-2-pentanone	0.419	0.544		29.7	
Toluene	2.129	2.092		-1.7	20.0
trans-1,3-Dichloropropene	0.540	0.610		13.1	
1,1,2-Trichloroethane	0.310	0.339		9.5	
Tetrachloroethene	0.430	0.391		-9.1	
2-Hexanone	0.256	0.358		39.7	
Dibromochloromethane	0.333	0.382		14.9	

All other compounds must meet a minimum RRF of 0.010.

URS148 V292

7B

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS148

Instrument ID: HP5971 Calibration Date: 05/16/13 Time: 17:15

Lab File ID: A\A78614.D Init. Calib. Date(s): 05/15/13 05/16/13

EPA Sample No.(VSTD050##): VSTD050 Init. Calib. Times: 21:44 0:15

Heated Purge: (Y/N) Y

GC Column: Rtx-624 ID: .18 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
1,2-Dibromoethane	0.373	0.398		6.8	
Chlorobenzene	1.370	1.376	0.300	0.4	
Ethylbenzene	0.706	0.686		-2.9	20.0
Xylene (total)	0.839	0.826		-1.6	
Styrene	1.248	1.324		6.1	
Bromoform	0.180	0.220	0.100	22.4	
Isopropylbenzene	2.151	2.016		-6.3	
1,1,2,2-Tetrachloroethane	0.436	0.480	0.300	10.1	
1,3-Dichlorobenzene	0.893	0.930		4.1	
1,4-Dichlorobenzene	0.914	0.910		-0.5	
1,2-Dichlorobenzene	0.801	0.841		5.0	
1,2-Dibromo-3-chloropropane	0.050	0.055		10.1	
1,2,4-Trichlorobenzene	0.257	0.273		6.2	

All other compounds must meet a minimum RRF of 0.010.

URS148 V293

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS148

Instrument ID: HP5971 Calibration Date: 05/18/13 Time: 16:29

Lab File ID: A\A78663.D Init. Calib. Date(s): 05/15/13 05/16/13

EPA Sample No.(VSTD050##): VSTD050 Init. Calib. Times: 21:44 0:15

Heated Purge: (Y/N) Y

GC Column: Rtx-624 ID: .18 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	3.772	3.964		5.1	
Chloromethane	4.002	4.577	0.100	14.4	
Vinyl chloride	3.770	4.191		11.2	20.0
Bromomethane	1.278	1.485		16.2	
Chloroethane	2.288	2.489		8.8	
Trichlorofluoromethane	3.685	3.745		1.6	
1,1-Dichloroethene	2.655	2.755		3.8	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	2.863	2.960		3.4	
Acetone	0.571	0.760		33.0	
Carbon disulfide	10.049	10.930		8.8	
Methyl Acetate	1.824	2.243		23.0	
Methylene chloride	3.622	3.663		1.1	
trans-1,2-Dichloroethene	3.072	3.282		6.8	
Methyl tert-butyl ether	6.141	7.793		26.9	
1,1-Dichloroethane	5.254	6.011	0.100	14.4	
cis-1,2-Dichloroethene	3.188	3.505		10.0	
2-Butanone	0.926	1.414		52.7	
Chloroform	4.878	5.619		15.2	20.0
1,1,1-Trichloroethane	0.562	0.579		3.0	
Cyclohexane	0.853	0.929		8.9	
Carbon tetrachloride	0.482	0.478		-0.8	
Benzene	1.801	1.938		7.6	
1,2-Dichloroethane	2.682	3.566		33.0	
Trichloroethene	0.477	0.481		0.9	
Methylcyclohexane	0.781	0.800		2.5	
1,2-Dichloropropane	0.452	0.535		18.3	20.0
Bromodichloromethane	0.504	0.605		20.0	
cis-1,3-Dichloropropene	0.642	0.795		23.8	
4-Methyl-2-pentanone	0.419	0.527		25.7	
Toluene	2.129	1.941		-8.8	20.0
trans-1,3-Dichloropropene	0.540	0.695		28.8	
1,1,2-Trichloroethane	0.310	0.393		26.9	
Tetrachloroethene	0.430	0.350		-18.6	
2-Hexanone	0.256	0.345		34.7	
Dibromochloromethane	0.333	0.402		20.9	

All other compounds must meet a minimum RRF of 0.010.

URS148 V298

7B

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS148

Instrument ID: HP5971 Calibration Date: 05/18/13 Time: 16:29

Lab File ID: A\A78663.D Init. Calib. Date(s): 05/15/13 05/16/13

EPA Sample No.(VSTD050##): VSTD050 Init. Calib. Times: 21:44 0:15

Heated Purge: (Y/N) Y

GC Column: Rtx-624 ID: .18 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
1,2-Dibromoethane	0.373	0.403		8.1	
Chlorobenzene	1.370	1.269	0.300	-7.4	
Ethylbenzene	0.706	0.639		-9.5	20.0
Xylene (total)	0.839	0.783		-6.7	
Styrene	1.248	1.225		-1.9	
Bromoform	0.180	0.230	0.100	27.9	
Isopropylbenzene	2.151	1.933		-10.1	
1,1,2,2-Tetrachloroethane	0.436	0.514	0.300	17.9	
1,3-Dichlorobenzene	0.893	0.820		-8.2	
1,4-Dichlorobenzene	0.914	0.803		-12.2	
1,2-Dichlorobenzene	0.801	0.744		-7.1	
1,2-Dibromo-3-chloropropane	0.050	0.058		16.1	
1,2,4-Trichlorobenzene	0.257	0.202		-21.4	

All other compounds must meet a minimum RRF of 0.010.

URS148 V299

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS148

Instrument ID: HP5972-2 Calibration Date: 05/21/13 Time: 11:43

Lab File ID: 13\G19196. Init. Calib. Date(s): 03/16/13 03/16/13

EPA Sample No.(VSTD050##): VSTD050 Init. Calib. Times: 14:38 18:06

Heated Purge: (Y/N) N

GC Column: Rtx-624 ID: .18 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	3.043	2.517		-17.3	
Chloromethane	3.649	3.555	0.100	-2.6	
Vinyl chloride	3.320	3.081		-7.2	20.0
Bromomethane	1.674	1.979		18.2	
Chloroethane	1.941	1.997		2.9	
Trichlorofluoromethane	2.727	2.798		2.6	
1,1-Dichloroethene	1.868	1.510		-19.2	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.897	1.376		-27.5	
Acetone	1.018	0.740		-27.3	
Carbon disulfide	7.631	5.915		-22.5	
Methyl Acetate	2.773	2.478		-10.6	
Methylene chloride	2.665	2.509		-5.8	
trans-1,2-Dichloroethene	2.095	1.927		-8.0	
Methyl tert-butyl ether	7.087	7.088		0.0	
1,1-Dichloroethane	4.474	4.242	0.100	-5.2	
cis-1,2-Dichloroethene	2.239	2.264		1.1	
2-Butanone	1.656	1.277		-22.9	
Chloroform	3.716	3.706		-0.3	20.0
1,1,1-Trichloroethane	0.511	0.456		-10.7	
Cyclohexane	0.720	0.498		-30.8	
Carbon tetrachloride	0.421	0.366		-13.0	
Benzene	1.601	1.509		-5.7	
1,2-Dichloroethane	3.325	3.400		2.2	
Trichloroethene	0.399	0.366		-8.4	
Methylcyclohexane	0.449	0.346		-23.0	
1,2-Dichloropropane	0.471	0.460		-2.2	20.0
Bromodichloromethane	0.539	0.567		5.1	
cis-1,3-Dichloropropene	0.680	0.713		4.9	
4-Methyl-2-pentanone	0.752	0.608		-19.2	
Toluene	1.667	1.540		-7.6	20.0
trans-1,3-Dichloropropene	0.667	0.708		6.1	
1,1,2-Trichloroethane	0.359	0.369		2.7	
Tetrachloroethene	0.294	0.256		-13.0	
2-Hexanone	0.513	0.426		-17.0	
Dibromochloromethane	0.392	0.430		9.6	

All other compounds must meet a minimum RRF of 0.010.

URS148 V304

H2M labs
575 Broad Hollow Road
Melville, NY 11747
tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR SEMIVOLATILE ORGANICS
SAMPLES RECEIVED: 5/15/13 & 5/17/13
SDG #: URS148

For Sample(s):

HA-2 (1.5-2)	MW-1 (10-12)	SB-2 (8-10)
HA-2 (3)	MW-1 (12-14)	SB-2 (10-12)
MW-1 (0-2)	MW-1 (14-16)	SB-2 (12-14)
MW-1 (2-4)	HA-1 (1-2)	SB-2 (14-16)
MW-1 (4-6)	HA-1 (2-3)	SB-2 (16-18)
MW-1 (6-8)	SB-2 (4-6)	SB-2 (18-20)
MW-1 (8-10)	SB-2 (6-8)	RB-2

10/3/13 AC

The above soil sample(s) and blanks was/were analyzed for a select list of base/neutral/acid extractables by EPA method 8270C.

All Q. C. data and calibrations met the requirements of the method unless discussed below, and no problems were encountered with sample analysis. The following should be noted:

All soil extracts were subjected to GPC cleanup.

No sample was analyzed as matrix spike/ matrix spike duplicate (MS/MSD). All percent recoveries for the three lab fortified blanks were within Q. C. limits with the exception of a slightly low recovery for acetophenone of 57 % and 54 % (limit 60%) in the soil LFBs.

The surrogate recovery for nitrobenzene-d5 was below the Q. C. limit in sample SB-2 (10-12).

All CCC and SPCC calibration requirements were met. In the initial calibrations, average response factors were employed as applicable, and linear or quadratic regression functions were used for RSDs above 15%. No acceptable functions were found for benzaldehyde, acetophenone and atrazine. Linear calibration was used for these analytes, and results are regarded estimated and are flagged for the LFB with the qualifier "Z". The compounds were not found in the samples.

In the continuing calibration verifications (CCV) some compounds had %Ds above 15%. These compounds are noted on Form VII. Results for these analytes are also regarded estimated and are flagged with a "Z" qualifier in the LFB. None of the compounds were found in the samples.

Both soil method blanks contained aldols and some other unknown TICs. If found in the associated samples, they were flagged with the qualifier "B".

H 2 M labs

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR SEMIVOLATILE ORGANICS
SAMPLES RECEIVED: 5/15/13 & 5/17/13
SDG #: URS148

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: June 4, 2013

Date Revised July 30, 2013

****
* *
* *
****
Ursula Middel
Technical Manager

3A

SYSTEM MONITORING SPIKE RECOVERY

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No.: URS SAS No.: SDG No.: URS148

Sample ID LFB-39743 Level: (low/med) LOW

Column ID Rxi-5SILMS Column Diam 0.25

Inst. ID HP5973N Init. Calib. Date(s): 05/10/13 10:26

Analysis Date: 05/24/13 21:04 05/10/13 14:18

COMPOUND	SPIKE ADDED (µg/Kg)	SAMPLE CONCENTRATION (µg/Kg)	SPIKE CONCENTRATION (µg/Kg)	SPIKE % REC #	QC. LIMITS REC.
Benzaldehyde	1700	0	1500	93	10-226
Phenol	1700	0	1300	78	38-104
Bis(2-chloroethyl)ether	1700	0	1200	71	32-116
2-Chlorophenol	1700	0	1200	74	36-109
2-Methylphenol	1700	0	1200	75	36-104
2,2'-oxybis(1-chloropropane)	1700	0	790	47	33-116
Acetophenone	1700	0	950	57*	60-140
4-Methylphenol	1700	0	1100	68	26-119
N-Nitroso-di-n-propylamine	1700	0	1100	65	33-109
Hexachloroethane	1700	0	1100	69	34-105
Nitrobenzene	1700	0	1200	70	36-119
Isophorone	1700	0	1300	75	14-129
2-Nitrophenol	1700	0	1300	81	36-117
2,4-Dimethylphenol	1700	0	790	47	24-96
Bis(2-chloroethoxy)methane	1700	0	1300	76	29-112
2,4-Dichlorophenol	1700	0	1400	84	41-117
Naphthalene	1700	0	1300	77	18-142
4-Chloroaniline	1700	0	940	56	29-88
Hexachlorobutadiene	1700	0	1300	75	36-118
Caprolactam	1700	0	1400	83	40-105
4-Chloro-3-methylphenol	1700	0	1300	79	45-118
2-Methylnaphthalene	1700	0	1300	81	31-135
Hexachlorocyclopentadiene	1700	0	920	55	10-97
2,4,6-Trichlorophenol	1700	0	1300	80	45-110
2,4,5-Trichlorophenol	1700	0	1400	84	45-111
1,1'-Biphenyl	1700	0	1300	80	51-99
2-Chloronaphthalene	1700	0	1300	75	35-107
2-Nitroaniline	1700	0	1200	72	42-118
Dimethylphthalate	1700	0	1300	78	49-112
2,6-Dinitrotoluene	1700	0	1400	81	50-109

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 1 out of 65 outside limits

COMMENTS:

URS148 B5

H2M LABS INC

PREP BATCH REPORT

Prep Start Date: **5/17/2013 6:16:54 P**
Prep End Date: **5/25/2013 3:24:14 P**

Prep Batch ID: **39743** Prep Code: **3545_B** Technician: **Gracy Daniel**

Prep Factor Units: **mL / g**

Initial Temp: **°C** Final Temp **°C**

Sample ID	ClientSampleID	Matrix	pH1	pH2	SampAmt	Fin Vol	factor	GPC	Acid	Sulfur	Florisil	PrepStart	PrepEnd
LFB-39743		Solid			15	1	0.067	☑	☐	☐	☐	5/17/2013	5/25/2013
MB-39743		Solid			15	1	0.067	☑	☐	☐	☐	5/17/2013	5/25/2013
1305793-001B	HA-2 (1.5-2)	Soil	6		15.07	1	0.066	☑	☐	☐	☐	5/17/2013	5/25/2013
1305793-002B	HA-2 (3)	Soil	6		15.07	1	0.066	☑	☐	☐	☐	5/17/2013	5/25/2013
1305793-003B	MW-1 (0-2)	Soil	7		15.03	1	0.067	☑	☐	☐	☐	5/17/2013	5/25/2013
1305793-004B	MW-1 (2-4)	Soil	6		15.04	1	0.066	☑	☐	☐	☐	5/17/2013	5/25/2013
1305793-005B	MW-1 (4-6)	Soil	5		15.04	1	0.066	☑	☐	☐	☐	5/17/2013	5/25/2013
1305793-006B	MW-1 (6-8)	Soil	5		15.04	1	0.066	☑	☐	☐	☐	5/17/2013	5/25/2013
1305793-007B	MW-1 (8-10)	Soil	5		15.06	1	0.066	☑	☐	☐	☐	5/17/2013	5/25/2013
1305793-008B	MW-1 (10-12)	Soil	5		15.06	1	0.066	☑	☐	☐	☐	5/17/2013	5/25/2013
1305793-009B	MW-1 (12-14)	Soil	5		15.06	1	0.066	☑	☐	☐	☐	5/17/2013	5/25/2013
1305793-010B	MW-1 (14-16)	Soil	5		15.05	1	0.066	☑	☐	☐	☐	5/17/2013	5/25/2013
1305794-001B	MW-2 (0-0.5)	Soil	6		15.04	1	0.066	☑	☐	☐	☐	5/17/2013	5/25/2013
1305794-002B	MW-2 (0-2)	Soil	6		15.04	1	0.066	☑	☐	☐	☐	5/17/2013	5/25/2013
1305794-003B	MW-2 (2-4)	Soil	6		15.04	1	0.066	☑	☐	☐	☐	5/17/2013	5/25/2013
1305794-004B	MW-2 (4-6)	Soil	7		15.08	1	0.066	☑	☐	☐	☐	5/17/2013	5/25/2013
1305794-005B	MW-2 (6-8)	Soil	7		15.06	1	0.066	☑	☐	☐	☐	5/17/2013	5/25/2013
1305794-006B	MW-2 (8-10)	Soil	7		15.05	1	0.066	☑	☐	☐	☐	5/17/2013	5/25/2013
1305794-007B	MW-2 (10-12)	Soil	6		15.05	1	0.066	☑	☐	☐	☐	5/17/2013	5/25/2013
1305794-008B	MW-2 (12-14)	Soil	5		15.05	1	0.066	☑	☐	☐	☐	5/17/2013	5/25/2013
1305794-009B	MW-2 (14-16)	Soil	5		15.05	1	0.066	☑	☐	☐	☐	5/17/2013	5/25/2013
1305794-010B	MW-2 (16-18)	Soil	5		15.05	1	0.066	☑	☐	☐	☐	5/17/2013	5/25/2013

Cleanups:
GPC = Method EPA3640A
Acid = Method EPA3665A
Sulfur= Method EPA3660B
Florisil = Method-EPA3620B

URS148 B761

3A

SYSTEM MONITORING SPIKE RECOVERY

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No.: URS SAS No.: SDG No.: URS148

Sample ID LFB-39815 Level: (low/med) LOW

Column ID Rxi-5SILMS Column Diam 0.25

Inst. ID HP5973N Init. Calib. Date(s): 05/10/13 10:26

Analysis Date: 05/28/13 18:12 05/10/13 14:18

COMPOUND	SPIKE ADDED (µg/Kg)	SAMPLE CONCENTRATION (µg/Kg)	SPIKE CONCENTRATION (µg/Kg)	SPIKE % REC #	QC. LIMITS REC.
Benzaldehyde	1700	0	1400	86	10-226
Phenol	1700	0	1200	73	38-104
Bis(2-chloroethyl)ether	1700	0	1100	66	32-116
2-Chlorophenol	1700	0	1200	72	36-109
2-Methylphenol	1700	0	1200	70	36-104
2,2'-oxybis(1-chloropropane)	1700	0	750	45	33-116
Acetophenone	1700	0	900	54*	60-140
4-Methylphenol	1700	0	1100	68	26-119
N-Nitroso-di-n-propylamine	1700	0	1000	61	33-109
Hexachloroethane	1700	0	1100	67	34-105
Nitrobenzene	1700	0	1100	66	36-119
Isophorone	1700	0	1200	71	14-129
2-Nitrophenol	1700	0	1300	77	36-117
2,4-Dimethylphenol	1700	0	930	56	24-96
Bis(2-chloroethoxy)methane	1700	0	1200	74	29-112
2,4-Dichlorophenol	1700	0	1400	82	41-117
Naphthalene	1700	0	1200	75	18-142
4-Chloroaniline	1700	0	880	53	29-88
Hexachlorobutadiene	1700	0	1200	75	36-118
Caprolactam	1700	0	1300	80	40-105
4-Chloro-3-methylphenol	1700	0	1300	77	45-118
2-Methylnaphthalene	1700	0	1300	77	31-135
Hexachlorocyclopentadiene	1700	0	890	53	10-97
2,4,6-Trichlorophenol	1700	0	1300	76	45-110
2,4,5-Trichlorophenol	1700	0	1300	81	45-111
1,1'-Biphenyl	1700	0	1300	75	51-99
2-Chloronaphthalene	1700	0	1200	70	35-107
2-Nitroaniline	1700	0	1100	68	42-118
Dimethylphthalate	1700	0	1300	76	49-112
2,6-Dinitrotoluene	1700	0	1300	78	50-109

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 1 out of 65 outside limits

COMMENTS:

URS148 B11

H2M LABS INC

PREP BATCH REPORT

Prep Start Date: **5/23/2013 9:21:55 A**
Prep End Date: **5/26/2013 11:31:09**

Prep Batch ID: **39815** Prep Code: **3545_B** Technician: **Gracy Daniel**

Prep Factor Units: **mL / g**

Initial Temp: **°C** Final Temp **°C**

Sample ID	ClientSampleID	Matrix	pH1	pH2	SampAmt	Fin Vol	factor	GPC	Acid	Sulfur	Florisil	PrepStart	PrepEnd
LFB-39815		Solid			15	1	0.067	☑	☐	☐	☐	5/23/2013	5/26/2013
MB-39815		Solid			15	1	0.067	☑	☐	☐	☐	5/23/2013	5/26/2013
1305794-011B	MW-2 (18-20)	Soil	6		15.08	1	0.066	☑	☐	☐	☐	5/23/2013	5/26/2013
1305863-001B	SE-05_5-14-13	Soil	7		15.06	1	0.066	☑	☐	☐	☐	5/23/2013	5/26/2013
1305863-002B	SE-06_5-14-13	Soil	7		15.02	1	0.067	☑	☐	☐	☐	5/23/2013	5/26/2013
1305863-002BMS		Soil	7		15.07	1	0.066	☑	☐	☐	☐	5/23/2013	5/26/2013
1305863-002BMSD		Soil	7		15.05	1	0.066	☑	☐	☐	☐	5/23/2013	5/26/2013
1305863-003B	SS-12_5-14-13	Soil	6		15.07	1	0.066	☑	☐	☐	☐	5/23/2013	5/26/2013
1305863-004B	SS-13_5-14-13	Soil	6		15.05	1	0.066	☑	☐	☐	☐	5/23/2013	5/26/2013
1305863-005B	SS-16_5-14-13	Soil	6		15.08	1	0.066	☑	☐	☐	☐	5/23/2013	5/26/2013
1305863-006B	SS-17_5-14-13	Soil	6		15.06	1	0.066	☑	☐	☐	☐	5/23/2013	5/26/2013
1305863-007B	SS-20_5-14-13	Soil	7		15.07	1	0.066	☑	☐	☐	☐	5/23/2013	5/26/2013
1305863-008B	SS-21_5-14-13	Soil	6		15.09	1	0.066	☑	☐	☐	☐	5/23/2013	5/26/2013
1305863-009B	FD-02_5-14-13	Soil	7		15.02	1	0.067	☑	☐	☐	☐	5/23/2013	5/26/2013
1305929-001B	HA-1 (1-2)	Soil	6		15.04	1	0.066	☑	☐	☐	☐	5/23/2013	5/26/2013
1305929-002B	HA-1 (2-3)	Soil	7		15.06	1	0.066	☑	☐	☐	☐	5/23/2013	5/26/2013
1305929-003B	SB-2 (4-6)	Soil	6		15.05	1	0.066	☑	☐	☐	☐	5/23/2013	5/26/2013
1305929-004B	SB-2 (6-8)	Soil	5		15.05	1	0.066	☑	☐	☐	☐	5/23/2013	5/26/2013
1305929-005B	SB-2 (8-10)	Soil	6		15.08	1	0.066	☑	☐	☐	☐	5/23/2013	5/26/2013
1305929-006B	SB-2 (10-12)	Soil	7		15.07	1	0.066	☑	☐	☐	☐	5/23/2013	5/26/2013
1305929-007B	SB-2 (12-14)	Soil	6		15.06	1	0.066	☑	☐	☐	☐	5/23/2013	5/26/2013
1305929-008B	SB-2 (14-16)	Soil	6		15.06	1	0.066	☑	☐	☐	☐	5/23/2013	5/26/2013

Cleanups:
GPC = Method EPA3640A
Acid = Method EPA3665A
Sulfur= Method EPA3660B
Florisil = Method-EPA3620B

URS148 B757

Form 6

SVOCS IN SOIL INITIAL CALIBRATION DATA

Lab Name: H2M LABS INC Contract: H2M LABS INC

Lab Code: H2M Case No.: URS SAS No.: SDG No.: URS148

Instrument ID: HP5973N Calibration Dates: 5/10/2013 5/10/2013

Heated Purge: (Y/N) N Calibration Times: 10:26 14:18

GC Column: Rxi-5SILMS ID: 0.25 (mm)

LAB FILE ID: STD001= N57859.D STD005= N57857.D STD010= N57856.D STD025= N57852.D STD040= N57855.D

STD060= N57854.D STD080= N57853.D

COMPOUND	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7				RRF	% RSD	R ²
3-Methylphenol/4-Methylphenol	1.4477457	1.5252549	1.5455665	1.6525435	1.5842693	1.5031925	1.68396052				1.563	5.3	
Benzidine	0	0.1738835	0.2792381	0.3804365	0.3193456	0.3014267	0.27281247				0.288	23.6	
Benzoic acid	0	0	0.0335130	0.0652701	0.0842795	0.0713536	0.08733977				0.068	31.4	
Benzyl alcohol	0.6623727	0.8620544	0.9154058	0.7316159	0.9466763	0.9038714	0.94219442				0.852	13.1	
Octachlorocyclopentene	0	0.1083065	0.1205368	0.1293568	0.141384	0.1503996	0.15676454				0.134	13.7	
Benzaldehyde	1.3735023	0.5475354	1.1380086	1.2711782	0.9928462	0.6591483	0.43580336				0.917	40.4	
Aniline	2.1184293	2.3023092	2.4130776	2.5603874	2.5712510	2.4999158	2.80250004				2.467	8.8	
N-Nitrosodimethylamine	1.1709952	1.1690165	1.1466987	1.1760902	1.1431701	1.0568255	1.13951346				1.143	3.6	
Phenol *	2.0405845	2.1490468	2.1423254	2.1743429	2.3465147	2.1800034	2.38353473				2.202	5.5	*
Bis(2-chloroethyl)ether	1.9782533	1.9817946	1.8032411	1.8392922	1.7288764	1.5204904	1.62547333				1.782	9.7	
Pyridine	2.0325507	2.0257623	1.9723445	2.0690770	1.9822125	1.8429277	1.96773759				1.985	3.7	
2-Chlorophenol	1.5153404	1.5535466	1.5221853	1.5680805	1.5865296	1.4892611	1.66653343				1.557	3.8	
2-Methylphenol	1.3926172	1.4109014	1.4012879	1.4375859	1.4102624	1.3175616	1.45412242				1.403	3.1	
2,2'-oxybis(1-chloropropane)	2.6425653	2.6208878	2.5201047	2.6436584	2.424407	2.2574931	2.43933759				2.507	5.7	
Acetophenone	5.9195235	3.5735007	3.1014083	2.2173643	2.0716006	1.7148628	1.99770276				2.942	50.0	
4-Methylphenol	1.4477457	1.5252549	1.5455665	1.6525435	1.5842693	1.5031925	1.68396052				1.563	5.3	
N-Nitroso-di-n-propylamine *	1.2197521	1.2577638	1.2330054	1.2935606	1.2077488	1.1186444	1.22910180				1.223	4.4	*
Hexachloroethane	0.7416026	0.7084797	0.6695917	0.6940784	0.6848969	0.6387645	0.71278968				0.693	4.8	
Nitrobenzene	0.4571916	0.4636460	0.4286347	0.4518011	0.4433206	0.4236415	0.46225892				0.447	3.6	
Isophorone	0.759779	0.7773823	0.7516978	0.8172535	0.7874491	0.7550581	0.81737565				0.781	3.6	
2-Nitrophenol *	0.1695363	0.1974583	0.1962956	0.20862	0.210351	0.2011526	0.22098392				0.201	8.1	*
2,4-Dimethylphenol	0.3383682	0.3645545	0.3494989	0.364238	0.3841800	0.3701604	0.40885012				0.369	6.2	
Bis(2-chloroethoxy)methane	0.4598681	0.4989369	0.4750583	0.5114786	0.495655	0.4801074	0.52775666				0.493	4.7	

URS148 B630

Form 6

SVOCS IN SOIL INITIAL CALIBRATION DATA

Lab Name: H2M LABS INC Contract: H2M LABS INC

Lab Code: H2M Case No.: URS SAS No.: SDG No.: URS148

Instrument ID: HP5973N Calibration Dates: 5/10/2013 5/10/2013

Heated Purge: (Y/N) N Calibration Times: 10:26 14:18

GC Column: Rxi-5SILMS ID: 0.25 (mm)

LAB FILE ID: STD001= N57859.D STD005= N57857.D STD010= N57856.D STD025= N57852.D STD040= N57855.D

STD060= N57854.D STD080= N57853.D

COMPOUND	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	RRF	% RSD	R ²
1,2,4,5-Tetrachlorobenzene	0.5024056	0.5245604	0.5117019	0.5698507	0.5941750	0.5136753	0.61178203	0.547	8.1	
Fluorene	1.258928	1.3196051	1.2894993	1.4283120	1.4551706	1.3828922	1.57272843	1.387	7.9	
4-Chlorophenyl-phenylether	0.5171783	0.5880198	0.5640654	0.6153119	0.6322561	0.6156425	0.7273281	0.609	10.7	
4-Nitroaniline	0.157078	0.2673278	0.2853845	0.3211933	0.3128904	0.2966012	0.33706159	0.283	21.2	
4,6-Dinitro-2-methylphenol	0	0.109743	0.1181535	0.1395527	0.1544755	0.1482039	0.16728368	0.140	15.7	
N-Nitrosodiphenylamine *	0.6172203	0.6824646	0.6716261	0.7275465	0.7627448	0.7361413	0.82485389	0.718	9.4	*
1,2-Diphenylhydrazine	0.9792542	1.0384356	0.9861148	1.0698598	1.0842896	1.0265261	1.11133331	1.042	4.7	
4-Bromophenyl-phenylether	0.1878418	0.2122248	0.2049272	0.2236324	0.2452577	0.2370412	0.27190464	0.226	12.4	
Hexachlorobenzene	0.2243616	0.224307	0.2206948	0.240966	0.2590064	0.2493851	0.28682687	0.244	9.8	
Atrazine	0.1750056	0.1891428	0.1664839	0.170131	0.1449938	0.1010514	0.09482706	0.149	25.0	
Pentachlorophenol *	0	0.0727684	0.095616	0.1189962	0.1425332	0.1447382	0.17716255	0.125	30.0	*
Phenanthrene	1.1454011	1.1479818	1.1078346	1.2412094	1.2975651	1.2554082	1.45760176	1.236	9.7	
Anthracene	1.1520904	1.2183495	1.1570458	1.2649701	1.3133381	1.2641779	1.43368524	1.258	7.8	
Carbazole	0.7618531	0.9723183	0.9900956	1.1119985	1.1606242	1.1146187	1.26704335	1.054	15.5	
Di-n-butyl phthalate	1.1784859	1.3766376	1.3486490	1.4817425	1.4640165	1.3807263	1.62939625	1.409	9.9	
Fluoranthene *	1.0572655	1.1983766	1.1648605	1.2910598	1.3172891	1.2627290	1.50291769	1.256	11.1	*
Pyrene	1.2925278	1.3114615	1.2439673	1.2816281	1.3301297	1.2538696	1.30195928	1.288	2.4	
Butyl benzyl phthalate	0.5948877	0.6511381	0.6354472	0.6827562	0.6952879	0.6649466	0.74836683	0.668	7.3	
3,3'-Dichlorobenzidine	0.2725997	0.3188927	0.3409586	0.3833775	0.4264786	0.4506088	0.49676219	0.384	20.6	
Benzo(a)anthracene	1.2112964	1.1600310	1.1344492	1.1974186	1.210472	1.1484331	1.27393883	1.191	4.0	
Chrysene	1.0388117	1.0549525	1.0042969	1.0424907	1.0919544	1.0409197	1.13821762	1.059	4.1	
Bis(2-ethylhexyl)phthalate	0.7950122	0.9107938	0.8734898	0.9595089	0.9440481	0.8902106	1.06383213	0.920	9.1	
Di-n-octyl phthalate *	1.6526724	1.8524146	1.7868899	1.9326333	1.8329738	1.7170001	2.00071539	1.825	6.6	*

URS148 B632

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS148

Lab File ID: 3\N58226.D DFTPP Injection Date: 05/24/13

Instrument ID: HP5973N DFTPP Injection Time: 16:10

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	33.7
68	Less than 2% of mass 69	0.3 (0.8)1
69	Mass 69 relative abundance	41.6
70	Less than 2% of mass 69	0.1 (0.3)1
127	40.0 - 60.0% of mass 198	50.6
197	Less than 1% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5.0 - 9.0% of mass 198	6.5
275	10.0 - 30.0% of mass 198	21.7
365	Greater than 1% of mass 198	2.1
441	Present, but less than mass 443	18.2
442	40.0 - 110.0% of mass 198	97.9
443	17.0 - 23.0% of mass 442	19.7 (20.1)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD025	SSTD025	3\N58227.D	05/24/13	16:30
02	MB-39788	MB-39788	3\N58228.D	05/24/13	17:00
03	LFB-39788	LFB-39788	3\N58229.D	05/24/13	17:30
04	RB-2	1305929-011B	3\N58230.D	05/24/13	18:01
05	MB-39743	MB-39743	3\N58235.D	05/24/13	20:34
06	LFB-39743	LFB-39743	3\N58236.D	05/24/13	21:04
07	HA-2 (1.5-2)	1305793-001B	3\N58237.D	05/24/13	21:34
08	MW-1 (4-6)	1305793-005B	3\N58238.D	05/24/13	22:05
09	MW-1 (6-8)	1305793-006B	3\N58239.D	05/24/13	22:35
10	MW-1 (8-10)	1305793-007B	3\N58240.D	05/24/13	23:06
11	MW-1 (10-12)	1305793-008B	3\N58241.D	05/24/13	23:36
12	MW-1 (12-14)	1305793-009B	3\N58242.D	05/25/13	0:07
13	MW-1 (14-16)	1305793-010B	3\N58243.D	05/25/13	0:38

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS148

Instrument ID: HP5973N Calibration Date: 5/24/201 Time: 16:30

Lab File ID: 3\N58227.D Init. Calib. Date(s): 05/10/13 05/10/13

EPA Sample No.(SSTD050##): SSTD025 Init. Calib. Times: 10:26 14:18

GC Column: Rxi-5SILMS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Benzaldehyde	0.917	0.550		40.0	
Phenol	2.202	2.291		4.0	20.0
Bis(2-chloroethyl)ether	1.782	1.685		-5.5	
2-Chlorophenol	1.557	1.556		-0.1	
2-Methylphenol	1.403	1.408		0.3	
2,2'-oxybis(1-chloropropane)	2.507	2.112		-15.8	
Acetophenone	2.942	2.121		-27.9	
4-Methylphenol	1.563	1.589		1.6	
N-Nitroso-di-n-propylamine	1.223	1.090	0.050	-10.9	
Hexachloroethane	0.693	0.649		-6.3	
Nitrobenzene	0.447	0.399		-10.8	
Isophorone	0.781	0.739		-5.4	
2-Nitrophenol	0.201	0.209		4.2	20.0
2,4-Dimethylphenol	0.369	0.372		0.9	
Bis(2-chloroethoxy)methane	0.493	0.481		-2.4	
2,4-Dichlorophenol	0.267	0.296		10.8	20.0
Naphthalene	1.120	1.135		1.4	
4-Chloroaniline	0.443	0.462		4.4	
Hexachlorobutadiene	0.170	0.170		-0.2	20.0
Caprolactam	0.113	0.121		7.5	
4-Chloro-3-methylphenol	0.289	0.300		3.8	20.0
2-Methylnaphthalene	0.715	0.734		2.6	
Hexachlorocyclopentadiene	0.314	0.264	0.050	-16.0	
2,4,6-Trichlorophenol	0.335	0.359		7.2	20.0
2,4,5-Trichlorophenol	0.318	0.347		9.1	
1,1'-Biphenyl	1.529	1.580		3.4	
2-Chloronaphthalene	1.220	1.252		2.6	
2-Nitroaniline	0.360	0.328		-8.8	
Dimethylphthalate	1.223	1.242		1.6	
2,6-Dinitrotoluene	0.291	0.296		1.7	
Acenaphthylene	1.892	1.929		2.0	
3-Nitroaniline	0.296	0.327		10.4	
Acenaphthene	1.243	1.259		1.3	20.0
2,4-Dinitrophenol	0.132	0.114	0.050	-13.4	
4-Nitrophenol	0.121	0.114	0.050	-5.9	
Dibenzofuran	1.582	1.620		2.4	
2,4-Dinitrotoluene	0.369	0.388		5.3	
Diethylphthalate	1.231	1.201		-2.5	

All other compounds must meet a minimum RRF of 0.010.

URS148 B679

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS148

Lab File ID: 3\N58259.D DFTPP Injection Date: 05/28/13

Instrument ID: HP5973N DFTPP Injection Time: 16:52

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	32.6
68	Less than 2% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	40.5
70	Less than 2% of mass 69	0.2 (0.4)1
127	40.0 - 60.0% of mass 198	51.4
197	Less than 1% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5.0 - 9.0% of mass 198	6.9
275	10.0 - 30.0% of mass 198	22.2
365	Greater than 1% of mass 198	2.6
441	Present, but less than mass 443	19.4
442	40.0 - 110.0% of mass 198	107.1
443	17.0 - 23.0% of mass 442	20.7 (19.3)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD025	SSTD025	3\N58260.D	05/28/13	17:12
02	MB-39815	MB-39815	3\N58261.D	05/28/13	17:42
03	LFB-39815	LFB-39815	3\N58262.D	05/28/13	18:12
04	HA-1 (2-3)	1305929-002B	3\N58264.D	05/28/13	19:13
05	SB-2 (4-6)	1305929-003B	3\N58265.D	05/28/13	19:44
06	SB-2 (10-12)	1305929-006B	3\N58266.D	05/28/13	20:14
07	SB-2 (12-14)	1305929-007B	3\N58267.D	05/28/13	20:45
08	SB-2 (6-8)	1305929-004B	3\N58268.D	05/28/13	21:15
09	SB-2 (14-16)	1305929-008B	3\N58269.D	05/28/13	21:46
10	SB-2 (16-18)	1305929-009B	3\N58270.D	05/28/13	22:16
11	SB-2 (18-20)	1305929-010B	3\N58271.D	05/28/13	22:46
12	HA-1 (1-2)	1305929-001B	3\N58272.D	05/28/13	23:16
13	SB-2 (8-10)	1305929-005B	3\N58273.D	05/28/13	23:47
14	HA-2 (3)	1305793-002B	3\N58274.D	05/29/13	0:17
15	MW-1 (2-4)	1305793-004B	3\N58275.D	05/29/13	0:47
16	MW-1 (0-2)	1305793-003B	3\N58276.D	05/29/13	1:18

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS148

Instrument ID: HP5973N Calibration Date: 5/28/201 Time: 17:12

Lab File ID: 3\N58260.D Init. Calib. Date(s): 05/10/13 05/10/13

EPA Sample No.(SSTD050##): SSTD025 Init. Calib. Times: 10:26 14:18

GC Column: Rxi-5SILMS ID: 0.25 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Benzaldehyde	0.917	0.472		-48.5	
Phenol	2.202	2.308		4.8	20.0
Bis(2-chloroethyl)ether	1.782	1.670		-6.3	
2-Chlorophenol	1.557	1.589		2.0	
2-Methylphenol	1.403	1.426		1.6	
2,2'-oxybis(1-chloropropane)	2.507	2.073		-17.3	
Acetophenone	2.942	2.146		-27.1	
4-Methylphenol	1.563	1.590		1.7	
N-Nitroso-di-n-propylamine	1.223	1.100	0.050	-10.0	
Hexachloroethane	0.693	0.644		-7.1	
Nitrobenzene	0.447	0.391		-12.6	
Isophorone	0.781	0.732		-6.3	
2-Nitrophenol	0.201	0.211		5.2	20.0
2,4-Dimethylphenol	0.369	0.367		-0.4	
Bis(2-chloroethoxy)methane	0.493	0.471		-4.4	
2,4-Dichlorophenol	0.267	0.297		11.1	20.0
Naphthalene	1.120	1.112		-0.7	
4-Chloroaniline	0.443	0.468		5.7	
Hexachlorobutadiene	0.170	0.171		0.4	20.0
Caprolactam	0.113	0.119		5.7	
4-Chloro-3-methylphenol	0.289	0.302		4.4	20.0
2-Methylnaphthalene	0.715	0.732		2.4	
Hexachlorocyclopentadiene	0.314	0.245	0.050	-22.0	
2,4,6-Trichlorophenol	0.335	0.353		5.4	20.0
2,4,5-Trichlorophenol	0.318	0.350		10.0	
1,1'-Biphenyl	1.529	1.597		4.5	
2-Chloronaphthalene	1.220	1.204		-1.3	
2-Nitroaniline	0.360	0.317		-11.8	
Dimethylphthalate	1.223	1.228		0.4	
2,6-Dinitrotoluene	0.291	0.301		3.4	
Acenaphthylene	1.892	1.924		1.7	
3-Nitroaniline	0.296	0.324		9.4	
Acenaphthene	1.243	1.253		0.8	20.0
2,4-Dinitrophenol	0.132	0.130	0.050	-1.2	
4-Nitrophenol	0.121	0.108	0.050	-10.8	
Dibenzofuran	1.582	1.618		2.3	
2,4-Dinitrotoluene	0.369	0.381		3.4	
Diethylphthalate	1.231	1.208		-1.9	

All other compounds must meet a minimum RRF of 0.010.

URS148 B687

H2M labs

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR ORGANOPHOSPHOROUS PESTICIDES
SAMPLES RECEIVED: 5/15/13 & 5/17/13
SDG #: URS148

For Sample(s):

HA-2 (1.5-2)	MW-1 (10-12)	SB-2 (8-10)
HA-2 (3)	MW-1 (12-14)	SB-2 (10-12)
MW-1 (0-2)	MW-1 (14-16)	SB-2 (12-14)
MW-1 (2-4)	HA-1 (1-2)	SB-2 (14-16)
MW-1 (4-6)	HA-1 (2-3)	SB-2 (16-18)
MW-1 (6-8)	SB-2 (4-6)	SB-2 (18-20)
MW-1 (8-10)	SB-2 (6-8)	RB-2

The above soil sample(s) and blank(s) was/were analyzed for organophosphorous pesticides by EPA method 8141.

All Q. C. data and calibrations met the requirements of the method unless discussed below, and no problems were encountered with sample analysis. The following should be noted:

No sample was analyzed as matrix spike/ matrix spike duplicate (MS/MSD). All percent recoveries for the four lab fortified blanks were within Q. C. limits with the exception of a high recovery for famphur in LFB39800. No positives were detected, and no data are affected.

A peak eluting in the retention time window of methyl parathion was found in sample SB-2 (12-14). The sample was reanalyzed on an alternate column for confirmation, but no peak for methyl parathion was present.

Linear calibration was used for all analytes. In the continuing calibration verifications (CCV), some compounds had %Ds above 15%. (Famphur and methidathion in CCV US11906 and dimethoate in US11907 had high responses.) Results for these analytes would be regarded estimated in the affected analyses, however none of the compounds were found in the samples.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: June 11, 2013

****
* Middel *
****

Ursula Middel
Technical Manager

URS148 A6

H 2 M labs

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR PESTICIDES/PCBS ANALYSIS
SAMPLES RECEIVED: 5/15/13 & 5/17/13
SDG #: URS148

For Sample(s):

HA-1 (2-3)	SB-2 (16-18)	MW-1 (4-6)
SB-2 (4-6)	SB-2 (18-20)	MW-1 (6-8)
SB-2 (6-8)	RB-2	MW-1 (8-10)
SB-2 (8-10)	HA-2 (1.5-2)	MW-1 (10-12)
SB-2 (10-12)	HA-2 (3)	MW-1 (12-14)
SB-2 (12-14)	MW-1 (0-2)	MW-1 (14-16)
SB-2 (14-16)	MW-1 (2-4)	HA-1 (1-2)

The above sample(s) was/were analyzed for pesticides and aroclors by methods 8081A and 8082 in accordance with the NYSDEC ASP, Rev. 7/2005 and reported with the requested deliverables.

All Q.C. data and calibrations met the requirements of the protocol, unless discussed below. No problems were encountered with sample analysis. The following should be noted:

Aliquots of the samples and the Q.C. samples were subjected to cleanup with sulfuric acid and TBA cleanup to remove sulfur. These aliquots were analyzed separately for aroclors and have an "A" suffix.

Due to interference, sulfur cleanup was used for some samples.

No matrix spike/matrix spike duplicate was submitted. Lab fortified blanks were analyzed and indicate good method efficiency.

Sample HA-1 (1-2) was reanalyzed at a dilution due to concentration levels of targeted analytes above the calibration range. Both sets of data are submitted.

Due to interferences, surrogate recoveries were outside Q.C. limits in the following samples: HA-1 (1-2) and HA-1 (1-2) DL, SB-2 (4-6) and SB-2 (8-10).

H 2 M labs

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR PESTICIDES/PCBS ANALYSIS
SAMPLES RECEIVED: 5/15/13 & 5/17/13
SDG #: URS148

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: June 27, 2013

Joann M. Slavin NRC
Senior Vice President

2F

SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS148

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	Other (1)	Other (2)	TOT OUT
25	MW-1(14-16)	60	64	50	54			0
26	mb-39774A	86	86	65	62			0
27	lfb2-39774A	89	92	64	60			0
28	HA-1(1-2)A	62	70	47	176 *			1
29	HA-1(2-3)A	61	65	54	71			0
30	SB-2(4-6)A	91	83	59	55			0
31	SB-2(6-8)A	77	102	57	57			0
32	SB-2(8-10)A	59	72	65	97			0
33	SB-2(10-12)A	71	89	59	66			0
34	SB-2(12-14)A	55	59	56	54			0
35	SB-2(14-16)A	56	56	54	51			0
36	SB-2(16-18)A	43	45	52	49			0
37	SB-2(18-20)A	62	63	57	51			0
38	mb-39774	79	91	55	58			0
39	lfb1-39774	84	90	58	61			0
40	lfb3-39774	80	88	53	58			0
41	HA-1(1-2)	61	63	293 *	682 *			2
42	HA-1(2-3)	56	58	72	76			0
43	SB-2(4-6)	64	231 *	59	77			1
44	SB-2(6-8)	71	87	68	69			0
45	SB-2(8-10)	66	83	118	212 *			1
46	SB-2(10-12)	67	81	112	81			0
47	HA-1(1-2)DL	70	56	315 *	544 *			2
48	SB-2(12-14)	55	56	62	48			0

QC Limits

TCX = Tetrachloro-m-xylene (30-150)

DCB = Decachlorobiphenyl (30-150)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

URS148_PP5

7E

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS148

GC Column: CLP2 ID: .32 (mm) Init. Calib. Date(s): 05/21/13 05/21/13

EPA Sample No.(PIBLK##): piblk02 Date Analyzed: 05/22/13

Lab Sample ID(PIBLK): piblk02 Time Analyzed: 1:26

EPA Sample No.(PEM##): pem03 Date Analyzed: 05/22/13

Lab Sample ID(PEM): pem03 Time Analyzed: 1:41

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	3.11	3.08	3.14	0.0050	0.0050	0
beta-BHC	3.56	3.53	3.59	0.0053	0.0050	6.0
gamma-BHC	3.48	3.45	3.51	0.0052	0.0050	4.0
Endrin	6.67	6.64	6.70	0.027	0.025	8.0
4,4'-DDT	7.19	7.16	7.22	0.062	0.050	24
Methoxychlor	7.87	7.84	7.90	0.15	0.13	15

4,4'-DDT % breakdown (1): 4.7 Endrin % breakdown (1): 8.2

Combined % breakdown (1): 12.9

URS148_PP420

8D

PESTICIDE ANALYTICAL SEQUENCE

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS148

GC Column: CLP2 ID: .32 (mm) Init. Calib. Date(s): 04/26/13 04/26/13

Instrument ID: HP6890-3

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES ,BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INTIAL CALIBRATION
TCX: 2.45 DCB: 8.95

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT	TCX #	DCB RT	DCB #
01	AR166001	AR166001	4/26/2013	14:18	2.45		8.95	
02	AR166002	AR166002	4/26/2013	14:35	2.45		8.95	
03	AR166003	AR166003	4/26/2013	14:51	2.45		8.95	
04	AR166004	AR166004	4/26/2013	15:08	2.45		8.95	
05	AR166005	AR166005	4/26/2013	15:25	2.45		8.95	
06	AR166006	AR166006	4/26/2013	15:41	2.45		8.95	
07	AR122101	AR122101	4/26/2013	15:58	2.45		8.95	
08	AR123201	AR123201	4/26/2013	16:15	2.45		8.95	
09	AR124201	AR124201	4/26/2013	16:31	2.45		8.95	
10	AR124801	AR124801	4/26/2013	16:48	2.45		8.95	
11	AR125401	AR125401	4/26/2013	17:05	2.45		8.95	
12	PIBLK01	PIBLK01	4/26/2013	17:21	2.45		8.95	
13	PIBLK36	PIBLK36	5/20/2013	17:56	2.45		8.95	
14	AR166041	AR166041	5/20/2013	18:13	2.45		8.96	
15	MB-39701A	MB-39701	5/20/2013	20:10	2.45		8.96	
16	LFB2-39701A	LFB2-39701	5/20/2013	20:26	2.45		8.96	
17	HA-2 (1.5-2)A	1305793-001B	5/20/2013	21:16	2.45		8.96	
18	HA-2 (3)A	1305793-002B	5/20/2013	21:33	2.45		8.96	
19	MW-1 (0-2)A	1305793-003B	5/20/2013	21:50	2.45		8.96	
20	MW-1 (2-4)A	1305793-004B	5/20/2013	22:06	2.45		8.96	
21	MW-1 (4-6)A	1305793-005B	5/20/2013	22:23	2.45		8.96	
22	MW-1 (6-8)A	1305793-006B	5/20/2013	22:40	2.45		8.96	
23	MW-1 (8-10)A	1305793-007B	5/20/2013	22:56	2.45		8.96	
24	MW-1 (10-12)A	1305793-008B	5/20/2013	23:13	2.45		8.96	
25	MW-1 (12-14)A	1305793-009B	5/20/2013	23:30	2.45		8.95	
26	MW-1 (14-16)A	1305793-010B	5/20/2013	23:46	2.45		8.96	
27	PIBLK37	PIBLK37	5/21/2013	2:33	2.45		8.96	
28	AR166042	AR166042	5/21/2013	3:23	2.45		8.96	
29	PIBLK45	PIBLK45	5/23/2013	17:56	2.45		8.96	
30	AR166050	AR166050	5/23/2013	18:12	2.45		8.96	

QC LIMITS

TCX = Tetrachloro-m-xylene (± 0.03 MINUTES)
DCB = Decachlorobiphenyl (± 0.03 MINUTES)

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

URS148_PP441

8D

PESTICIDE ANALYTICAL SEQUENCE

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS148

GC Column: CLP2 ID: .32 (mm) Init. Calib. Date(s): 04/26/13 04/26/13

Instrument ID: HP6890-3

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES ,BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INTIAL CALIBRATION
TCX: 2.45 DCB: 8.95

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT	TCX #	DCB RT	DCB #
31	MB-39784A	MB-39784	5/23/2013	19:02	2.45		8.95	
32	LFB2-39784A	LFB2-39784	5/23/2013	19:19	2.45		8.96	
33	RB-2A	1305929-011B	5/23/2013	20:26	2.45		8.96	
34	PIBLK46	PIBLK46	5/23/2013	22:39	2.45		8.96	
35	AR166051	AR166051	5/23/2013	23:29	2.45		8.96	
36	PIBLK47	PIBLK47	5/24/2013	14:28	2.45		8.96	
37	AR166052	AR166052	5/24/2013	14:45	2.45		8.96	
38	MB-39774A	MB-39774	5/24/2013	15:02	2.45		8.96	
39	LFB2-39774A	LFB2-39774	5/24/2013	15:18	2.45		8.96	
40	HA-1 (1-2)A	1305929-001B	5/24/2013	18:05	2.45		8.96	
41	HA-1 (2-3)A	1305929-002B	5/24/2013	18:22	2.45		8.96	
42	SB-2 (4-6)A	1305929-003B	5/24/2013	18:39	2.45		8.96	
43	SB-2 (6-8)A	1305929-004B	5/24/2013	18:55	2.45		8.96	
44	SB-2 (8-10)A	1305929-005B	5/24/2013	19:12	2.45		8.96	
45	SB-2 (10-12)A	1305929-006B	5/24/2013	19:29	2.45		8.96	
46	SB-2 (12-14)A	1305929-007B	5/24/2013	19:46	2.45		8.96	
47	SB-2 (14-16)A	1305929-008B	5/24/2013	20:02	2.45		8.96	
48	SB-2 (16-18)A	1305929-009B	5/24/2013	20:19	2.45		8.96	
49	SB-2 (18-20)A	1305929-010B	5/24/2013	20:36	2.45		8.96	
50	PIBLK48	PIBLK48	5/24/2013	20:52	2.45		8.96	
51	AR166053	AR166053	5/24/2013	21:42	2.45		8.96	

QC LIMITS

TCX = Tetrachloro-m-xylene (± 0.03 MINUTES)
DCB = Decachlorobiphenyl (± 0.03 MINUTES)

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

URS148_PP442

7E

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS148

GC Column: CLP ID: .32 (mm) Init. Calib. Date(s): 05/21/13 05/21/13

EPA Sample No.(PIBLK##): piblk11 Date Analyzed: 05/25/13

Lab Sample ID(PIBLK): piblk11 Time Analyzed: 19:34

EPA Sample No.(PEM##): pem12 Date Analyzed: 05/25/13

Lab Sample ID(PEM): pem12 Time Analyzed: 19:49

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	3.73	3.70	3.76	0.0046	0.0050	-8.0
beta-BHC	4.20	4.17	4.23	0.0049	0.0050	-2.0
gamma-BHC	4.11	4.08	4.14	0.0047	0.0050	-6.0
Endrin	7.22	7.19	7.25	0.022	0.025	-12
4,4'-DDT	7.58	7.55	7.61	0.041	0.050	-18
Methoxychlor	8.03	8.00	8.06	0.10	0.13	-23

4,4'-DDT % breakdown (1): 7.8 Endrin % breakdown (1): 11.4

Combined % breakdown (1): 19.2

URS148_PP427

8D

PESTICIDE ANALYTICAL SEQUENCE

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS148

GC Column: CLP ID: .32 (mm) Init. Calib. Date(s): 05/21/13 05/21/13

Instrument ID: HP6890-2

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES ,BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INTIAL CALIBRATION
TCX: 3.14 DCB: 9.53

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT	TCX #	DCB RT	DCB #
01	PEM01	PEM01	5/21/2013	18:44	3.14		9.53	
02	INDABRL01	INDABRL01	5/21/2013	18:59	3.14		9.53	
03	INDABL01	INDABL01	5/21/2013	19:14	3.14		9.53	
04	INDABML01	INDABML01	5/21/2013	19:29	3.14		9.53	
05	INDABM01	INDABM01	5/21/2013	19:44	3.14		9.53	
06	INDABMH01	INDABMH01	5/21/2013	19:59	3.14		9.53	
07	INDABH01	INDABH01	5/21/2013	20:13	3.14		9.53	
08	TOX01	TOX01	5/21/2013	20:28	3.14		9.53	
09	TCHL01	TCHL01	5/21/2013	20:43	3.14		9.53	
10	PIBLK01	PIBLK01	5/21/2013	20:58	3.14		9.53	
11	PEM02	PEM02	5/21/2013	21:13	3.14		9.53	
12	MB-39701	MB-39701	5/21/2013	21:58	3.14		9.53	
13	LFB1-39701	LFB1-39701	5/21/2013	22:13	3.14		9.53	
14	LFB3-39701	LFB3-39701	5/21/2013	22:28	3.14		9.53	
15	HA-2 (1.5-2)	1305793-001B	5/21/2013	22:57	3.14		9.53	
16	HA-2 (3)	1305793-002B	5/21/2013	23:12	3.14		9.53	
17	MW-1 (0-2)	1305793-003B	5/21/2013	23:27	3.14		9.52	
18	MW-1 (2-4)	1305793-004B	5/21/2013	23:42	3.14		9.53	
19	MW-1 (4-6)	1305793-005B	5/21/2013	23:57	3.14		9.53	
20	MW-1 (6-8)	1305793-006B	5/22/2013	0:12	3.14		9.53	
21	MW-1 (8-10)	1305793-007B	5/22/2013	0:27	3.14		9.53	
22	MW-1 (10-12)	1305793-008B	5/22/2013	0:42	3.14		9.53	
23	MW-1 (12-14)	1305793-009B	5/22/2013	0:56	3.14		9.52	
24	MW-1 (14-16)	1305793-010B	5/22/2013	1:11	3.14		9.53	
25	PIBLK02	PIBLK02	5/22/2013	1:26	3.14		9.53	
26	PEM03	PEM03	5/22/2013	1:41	3.14		9.53	
27	INDABM02	INDABM02	5/22/2013	2:11	3.14		9.53	
28	INDABM02	INDABM02	5/22/2013	2:11	3.14		9.53	
29	PIBLK06	PIBLK06	5/23/2013	18:24	3.14		9.53	
30	PEM07	PEM07	5/23/2013	18:39	3.14		9.53	

QC LIMITS

TCX = Tetrachloro-m-xylene (± 0.03 MINUTES)
DCB = Decachlorobiphenyl (± 0.03 MINUTES)

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

URS148_PP443

8D

PESTICIDE ANALYTICAL SEQUENCE

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS148

GC Column: CLP ID: .32 (mm) Init. Calib. Date(s): 05/21/13 05/21/13

Instrument ID: HP6890-2

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES ,BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INTIAL CALIBRATION
TCX: 3.14 DCB: 9.53

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT	TCX #	DCB RT	DCB #
31	INDABM06	INDABM06	5/23/2013	18:54	3.14		9.53	
32	INDABM06	INDABM06	5/23/2013	18:54	3.14		9.53	
33	MB-39784	MB-39784	5/23/2013	19:24	3.14		9.53	
34	LFB-39784	LFB-39784	5/23/2013	19:39	3.14		9.53	
35	LFB3-39784	LFB3-39784	5/23/2013	19:54	3.14		9.53	
36	RB-2	1305929-011B	5/23/2013	20:39	3.14		9.53	
37	PIBLK07	PIBLK07	5/23/2013	23:39	3.14		9.53	
38	PEM08	PEM08	5/23/2013	23:54	3.14		9.53	
39	INDABM07	INDABM07	5/24/2013	0:09	3.14		9.53	
40	INDABM07	INDABM07	5/24/2013	0:09	3.14		9.53	
41	PIBLK10	PIBLK10	5/25/2013	13:25	3.14		9.53	
42	PEM11	PEM11	5/25/2013	13:40	3.14		9.53	
43	INDABM10	INDABM10	5/25/2013	15:22	3.14		9.54	
44	INDABM10	INDABM10	5/25/2013	15:22	3.14		9.54	
45	MB-39774	MB-39774	5/25/2013	15:52	3.15		9.54	
46	LFB1-39774	LFB1-39774	5/25/2013	16:07	3.14		9.53	
47	LFB3-39774	LFB3-39774	5/25/2013	16:21	3.14		9.53	
48	HA-1 (1-2)	1305929-001B	5/25/2013	16:36	3.14		9.51	
49	HA-1 (2-3)	1305929-002B	5/25/2013	16:51	3.14		9.53	
50	SB-2 (4-6)	1305929-003B	5/25/2013	17:06	3.14		9.53	
51	SB-2 (6-8)	1305929-004B	5/25/2013	17:21	3.14		9.53	
52	SB-2 (8-10)	1305929-005B	5/25/2013	17:36	3.14		9.52	
53	SB-2 (10-12)	1305929-006B	5/25/2013	17:50	3.14		9.52	
54	HA-1 (1-2)DL	1305929-001BDL	5/25/2013	18:05	3.14		9.51	
55	SB-2 (12-14)	1305929-007B	5/25/2013	18:20	3.14		9.53	
56	SB-2 (14-16)	1305929-008B	5/25/2013	18:35	3.14		9.53	
57	SB-2 (16-18)	1305929-009B	5/25/2013	18:50	3.14		9.53	
58	SB-2 (18-20)	1305929-010B	5/25/2013	19:05	3.14		9.53	
59	PIBLK11	PIBLK11	5/25/2013	19:34	3.14		9.53	
60	PEM12	PEM12	5/25/2013	19:49	3.14		9.53	

QC LIMITS

TCX = Tetrachloro-m-xylene (± 0.03 MINUTES)
DCB = Decachlorobiphenyl (± 0.03 MINUTES)

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

URS148_PP444

8D

PESTICIDE ANALYTICAL SEQUENCE

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS148

GC Column: CLP ID: .32 (mm) Init. Calib. Date(s): 05/21/13 05/21/13

Instrument ID: HP6890-2

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES ,BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INTIAL CALIBRATION
TCX: 3.14 DCB: 9.53

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT	TCX #	DCB RT	DCB #
61	INDABM11	INDABM11	5/25/2013	20:19	3.14		9.53	
62	INDABM11	INDABM11	5/25/2013	20:19	3.14		9.53	

QC LIMITS

TCX = Tetrachloro-m-xylene (± 0.03 MINUTES)
DCB = Decachlorobiphenyl (± 0.03 MINUTES)

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

URS148_PP445

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.
HA-1(1-2)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS148

Lab Sample ID: 1305929-001b Date(s) Analyzed: 05/25/13 05/25/13

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
delta-BHC	1	4.46	4.41	4.47	1.4	
	2	3.92	3.88	3.94	3.1	121.4
gamma-BHC	1	4.13	4.08	4.14	2.3	
	2	3.46	3.45	3.51	170	999.9
Heptachlor	1	4.71	4.70	4.76	1.4	
	2	3.97	3.95	4.01	2.1	50.0
Endosulfan I	1	6.66	6.63	6.69	13	
	2	5.85	5.80	5.86	3.1	319.4
Dieldrin	1	6.95	6.93	6.99	150	
	2	6.27	6.23	6.29	150	0.0
Endrin	1	7.22	7.19	7.25	12	
	2	6.67	6.64	6.70	5.3	126.4
Endosulfan sulfate	1	8.24	8.24	8.30	10	
	2	7.58	7.55	7.61	15	50.0
4,4'-DDT	1	7.58	7.55	7.61	27	
	2	7.18	7.16	7.22	25	8.0
Methoxychlor	1	8.03	8.00	8.06	83	
	2	7.86	7.84	7.90	95	14.5

URS148_PP451

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

HA-1(1-2)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS148

Lab Sample ID: 1305929-001b Date(s) Analyzed: 05/25/13 05/25/13

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

Endrin ketone	1	8.51	8.50	8.56	12	
	2	8.08	8.03	8.09	12	0.0
Endrin aldehyde	1	7.87	7.85	7.91	56	
	2	7.33	7.27	7.33	6.1	818.0
gamma-Chlordane	1	6.28	6.26	6.32	2.1	
	2	5.49	5.48	5.54	6.6	214.3

URS148_PP452

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

HA-1(1-2)DL

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS148

Lab Sample ID: 1305929-001bDL Date(s) Analyzed: 05/25/13 05/25/13

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Dieldrin	1	6.95	6.93	6.99	150	
	2	6.27	6.23	6.29	160	6.7
4,4´-DDT	1	7.59	7.55	7.61	77	
	2	7.18	7.16	7.22	16	381.3
Endrin ketone	1	8.50	8.50	8.56	13	
	2	8.08	8.03	8.09	17	30.8

URS148_PP453

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.
HA-1(2-3)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS148

Lab Sample ID: 1305929-002b Date(s) Analyzed: 05/25/13 05/25/13

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Dieldrin	1	6.96	6.93	6.99	4.2	
	2	6.24	6.23	6.29	15	257.1
4,4'-DDE	1	6.57	6.54	6.60	4.3	
	2	6.05	6.02	6.08	3.1	38.7

URS148_PP454

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

HA-2(1.5-2)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS148

Lab Sample ID: 1305793-001b Date(s) Analyzed: 05/21/13 05/21/13

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
gamma-BHC	1	4.13	4.08	4.14	1.9	
	2	3.46	3.45	3.51	2.0	5.3
Dieldrin	1	6.95	6.93	6.99	16	
	2	6.26	6.23	6.29	18	12.5
4,4'-DDE	1	6.57	6.54	6.60	3.4	
	2	6.05	6.02	6.08	3.2	6.2
4,4'-DDD	1	7.27	7.25	7.31	13	
	2	6.84	6.81	6.87	3.4	282.4
4,4'-DDT	1	7.57	7.55	7.61	11	
	2	7.19	7.16	7.22	9.9	11.1

URS148_PP455

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

HA-2(3)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS148

Lab Sample ID: 1305793-002b Date(s) Analyzed: 05/21/13 05/21/13

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Dieldrin	1	6.95	6.93	6.99	41	
	2	6.26	6.23	6.29	43	4.9
4,4'-DDE	1	6.57	6.54	6.60	2.5	
	2	6.05	6.02	6.08	2.4	4.2
4,4'-DDD	1	7.27	7.25	7.31	15	
	2	6.84	6.81	6.87	3.4	341.2
4,4'-DDT	1	7.57	7.55	7.61	11	
	2	7.18	7.16	7.22	8.5	29.4

URS148_PP456

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.
MW-1(0-2)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS148

Lab Sample ID: 1305793-003b Date(s) Analyzed: 05/21/13 05/21/13

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
4,4'-DDE	1	6.57	6.54	6.60	2.1	
	2	6.05	6.02	6.08	1.8	16.7
4,4'-DDD	1	7.27	7.25	7.31	8.4	
	2	6.84	6.81	6.87	2.0	320.0
4,4'-DDT	1	7.58	7.55	7.61	6.8	
	2	7.18	7.16	7.22	5.8	17.2

URS148_PP457

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SB-2(4-6)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS148

Lab Sample ID: 1305929-003b Date(s) Analyzed: 05/25/13 05/25/13

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Dieldrin	1	6.95	6.93	6.99	2.8	
	2	6.26	6.23	6.29	3.2	14.3
4,4'-DDE	1	6.57	6.54	6.60	4.4	
	2	6.05	6.02	6.08	3.4	29.4
4,4'-DDD	1	7.28	7.25	7.31	6.9	
	2	6.84	6.81	6.87	3.9	76.9
4,4'-DDT	1	7.57	7.55	7.61	1.7	
	2	7.18	7.16	7.22	1.4	21.4
alpha-Chlordane	1	6.47	6.45	6.51	2.8	
	2	5.74	5.72	5.78	2.5	12.0
gamma-Chlordane	1	6.29	6.26	6.32	2.2	
	2	5.49	5.48	5.54	11	400.0

URS148_PP458

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SB-2(6-8)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS148

Lab Sample ID: 1305929-004b Date(s) Analyzed: 05/25/13 05/25/13

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Dieldrin	1	6.95	6.93	6.99	2.8 < PQL	
	2	6.24	6.23	6.29	5.3 > PQL	89.3
4,4'-DDE	1	6.57	6.54	6.60	9.6	
	2	6.05	6.02	6.08	11	14.6
4,4'-DDD	1	7.28	7.25	7.31	12	
	2	6.84	6.81	6.87	9.6	25.0
4,4'-DDT	1	7.57	7.55	7.61	1.4 < PQL	
	2	7.18	7.16	7.22	3.5 > PQL	150.0
alpha-Chlordane	1	6.47	6.45	6.51	8.2	
	2	5.74	5.72	5.78	8.9	8.5
gamma-Chlordane	1	6.29	6.26	6.32	8.5	
	2	0.00	5.48	5.54	74	770.6

URS148_PP459

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SB-2(8-10)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS148

Lab Sample ID: 1305929-005b Date(s) Analyzed: 05/25/13 05/25/13

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Dieldrin	1	6.96	6.93	6.99	3.8	
	2	6.23	6.23	6.29	23	505.3
4,4'-DDE	1	6.57	6.54	6.60	12	
	2	6.05	6.02	6.08	15	25.0
4,4'-DDD	1	7.27	7.25	7.31	37	
	2	6.84	6.81	6.87	14	164.3
4,4'-DDT	1	7.58	7.55	7.61	10	
	2	7.19	7.16	7.22	2.6	284.6
Endrin ketone	1	8.54	8.50	8.56	2.7	
	2	8.03	8.03	8.09	3.0	11.1
alpha-Chlordane	1	6.47	6.45	6.51	12	
	2	5.74	5.72	5.78	16	33.3
gamma-Chlordane	1	6.29	6.26	6.32	14	
	2	0.00	5.48	5.54	69	392.9

URS148_PP460

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SB-2(10-12)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS148

Lab Sample ID: 1305929-006b Date(s) Analyzed: 05/25/13 05/25/13

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
4,4'-DDE	1	6.57	6.54	6.60	2.7	
	2	6.05	6.02	6.08	2.9	7.4
4,4'-DDD	1	7.27	7.25	7.31	7.2	
	2	6.84	6.81	6.87	1.9	278.9
alpha-Chlordane	1	6.47	6.45	6.51	4.7	
	2	5.74	5.72	5.78	6.1	29.8
gamma-Chlordane	1	6.29	6.26	6.32	5.4	
	2	0.00	5.48	5.54	66	999.9

URS148_PP461

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SB-2(18-20)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS148

Lab Sample ID: 1305929-010b Date(s) Analyzed: 05/25/13 05/25/13

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
gamma-Chlordane	1	6.31	6.26	6.32	1.1	
	2	5.48	5.48	5.54	4.7	327.3

URS148_PP462

2 labs

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR HERBICIDES ANALYSES
SAMPLES RECEIVED: 5/15/13 & 5/17/13
SDG #: URS148

For Sample(s):

HA-2 (1.5-2)	MW-1 (10-12)	SB-2 (8-10)
HA-2 (3)	MW-1 (12-14)	SB-2 (10-12)
MW-1 (0-2)	MW-1 (14-16)	SB-2 (12-14)
MW-1 (2-4)	HA-1 (1-2)	SB-2 (14-16)
MW-1 (4-6)	HA-1 (2-3)	SB-2 (16-18)
MW-1 (6-8)	SB-2 (4-6)	SB-2 (18-20)
MW-1 (8-10)	SB-2 (6-8)	RB-2

The above soil sample(s) and blank(s) was/were analyzed for herbicides by EPA method 8151A. Picloram, dinoseb and 2,4-DB have been added to the originally reported list of herbicides. Please note that ELAP / NELAC does not offer certification for picloram.

All Q.C. data and calibrations met the requirements of the method unless discussed below, and no problems were encountered with sample analysis. The following should be noted:

Sample SB-2 (4-6) and MW-1 (14-16) were analyzed as matrix spikes. Sample MW-1 (14-16). was used as batch Q. C. spike in the first extraction batch, and recoveries were acceptable for 5 compounds, but picloram and 2,4-DB recoveries were below the control limits, whereas recoveries in the associated LFB-39702 were acceptable.

Low recoveries were found for the surrogate and targeted analytes in the second matrix spike for SB-2(4-6). The low recoveries are believed to be due to poor extraction efficiency rather than the matrix, because the unspiked sample had a good surrogate recovery.

Four lab fortified blanks were analyzed, and results indicate good method efficiency.

The rinse blank and the associated Q. C samples were subjected to sulfur cleanup.

The recovery for the surrogate DCAA was above the Q. C. limit on one column in one sample and LFB-39760 due to unresolved matrix interference.

The response for dicamba was low on column RTX-CLP2 in the closing continuous calibration check (CCV) on 5/23/13. The compound was not found in the affected sample analysis, and the positive in LFB-39790(S) was reported from the compliant column RTX-CLP.

2M labs

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR HERBICIDES ANALYSES
SAMPLES RECEIVED: 5/15/13 & 5/17/13
SDG #: URS148

On 5/25/13, the %D in the continuous calibrations CCV815128 slightly exceeded the variability criterion of %D of 15% on column RTXCLP2 for 2,4-DB, and the response for picloram on column RTX-CLP was high in CCV815129. The analytes were not found in samples analyzed on 5/25/13, and data for LFB-39817 were reported from the compliant columns.

Dicamba was found above reporting limit in method blank mb-39702. No positives were present in the associated samples, and therefore no samples had to be re-extracted. A low level of dicamba was found in mb-39777, but samples extracted on the same day also did not show positives for dicamba.

Positives are reported to the practical detection limits of ½ of the reporting limits.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Revised: August 8, 2013

****
* Middel *
****
Ursula Middel
Technical Manager

3A

SYSTEM MONITORING SPIKE RECOVERY

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No.: URS SAS No.: SDG No.: URS148

Sample ID lfb-39817 Level:(low/med) LOW

Column ID CLP Column Diam .32

Inst. ID HP6890-1 Init. Calib. Date(s): 05/16/13 19:31

Analysis Date: 05/25/13 2:23 05/16/13 20:34

COMPOUND	SPIKE ADDED (µg/Kg)	SAMPLE CONCENTRATION (µg/Kg)	SPIKE CONCENTRATION (µg/Kg)	SPIKE % REC #	QC. LIMITS REC.
Picloram	20	0	6.3	31*	40-140
Dicamba	20	0	15	77	16-136
2,4-D	40	0	33	83	25-157
2,4,5-TP (Silvex)	20	0	16	81	12-146
2,4,5-T	20	0	14	69	16-136
Dinoseb	40	0	27	68	10-121
2,4-DB	160	0	110	66	10-131

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 7 outside limits

COMMENTS:

Revised SS 09-Aug-13

URS148 H12

H2M LABS INC

PREP BATCH REPORT

Prep Start Date: **5/23/2013 10:06:27**
Prep End Date: **5/24/2013 6:00:00 P**

Prep Batch ID: **39817** Prep Code: **8151PR_S** Technician: **Henry Barrera**

Prep Factor Units: **mL / g**

Initial Temp: **°C** Final Temp **°C**

Sample ID	ClientSampleID	Matrix	pH1	pH2	SampAmt	Fin Vol	factor	GPC	Acid	Sulfur	Florisil	PrepStart	PrepEnd
LFB-39817		Soil			25	5	0.200	☐	☐	☑	☐	5/23/2013	5/24/2013
MB-39817		Soil			25	5	0.200	☐	☐	☑	☐	5/23/2013	5/24/2013
1305795-004B	MW-3 (4-6)	Soil			25.01	5	0.200	☐	☐	☐	☐	5/23/2013	5/24/2013
1305795-005B	MW-3 (6-8)	Soil			25.09	5	0.199	☐	☐	☐	☐	5/23/2013	5/24/2013
1305795-006B	MW-3 (8-10)	Soil			25.14	5	0.199	☐	☐	☐	☐	5/23/2013	5/24/2013
1305795-007B	MW-3 (10-12)	Soil			25.19	5	0.198	☐	☐	☑	☐	5/23/2013	5/24/2013
1305795-009B	MW-3 (14-16)	Soil			25.06	5	0.200	☐	☐	☐	☐	5/23/2013	5/24/2013
1305795-010B	MW-3 (16-18)	Soil			25.11	5	0.199	☐	☐	☐	☐	5/23/2013	5/24/2013
1305795-011B	MW-3 (18-20)	Soil			25.04	5	0.200	☐	☐	☐	☐	5/23/2013	5/24/2013
1305929-002B	HA-1 (2-3)	Soil			25.19	5	0.198	☐	☐	☐	☐	5/23/2013	5/24/2013
1305929-003B	SB-2 (4-6)	Soil			25.01	5	0.200	☐	☐	☐	☐	5/23/2013	5/24/2013
1305929-004B	SB-2 (6-8)	Soil			25.17	5	0.199	☐	☐	☑	☐	5/23/2013	5/24/2013
1305929-006B	SB-2 (10-12)	Soil			25.03	5	0.200	☐	☐	☑	☐	5/23/2013	5/24/2013
1305A27-007B	SB-4 (4-6)	Soil			25.1	5	0.199	☐	☐	☐	☐	5/23/2013	5/24/2013
1305A27-008B	SB-4 (6-8)	Soil			25.23	5	0.198	☐	☐	☐	☐	5/23/2013	5/24/2013
1305A27-009B	SB-4 (8-10)	Soil			25.07	5	0.199	☐	☐	☐	☐	5/23/2013	5/24/2013
1305A27-007BMS		Soil			25.08	5	0.199	☐	☐	☐	☐	5/23/2013	5/24/2013

Type	Chemical / Reagent ID	Chemical / Reagent Name	Container#	Container I	Amount Added	Unit
Chemical	42	Silica Gel	157	Container-01 of 01	1	g
Reagent	220	37% KOH 051013	252	Container-01 of 01	12	mL

Cleanups:
GPC = Method EPA3640A
Acid = Method EPA3665A
Sulfur= Method EPA3660B
Florisil = Method-EPA3620B

3A

SYSTEM MONITORING SPIKE RECOVERY

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No.: URS SAS No.: SDG No.: URS148

Sample ID lfb-39790(s) Level:(low/med) LOW

Column ID CLP Column Diam .32

Inst. ID HP6890-1 Init. Calib. Date(s): 05/16/13 19:31

Analysis Date: 05/23/13 14:28 05/16/13 20:34

COMPOUND	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	SPIKE CONCENTRATION (µg/L)	SPIKE % REC #	QC. LIMITS REC.
Picloram	0.5	0	0.13	27*	40-160
Dicamba	1	0	0.87	87	10-159
2,4-D	2	0	1.6	79	53-115
2,4,5-TP (Silvex)	1	0	0.85	85	37-140
2,4,5-T	1	0	0.75	75	40-131
Dinoseb	2	0	1.2	59	18-121
2,4-DB	8	0	2.8	34*	40-160

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 1 out of 7 outside limits

COMMENTS:

Revised SS 09-Aug-13

URS148 H11

H2M LABS INC

PREP BATCH REPORT

Prep Start Date: **5/21/2013 3:11:27 P**
Prep End Date: **5/22/2013 8:27:04 P**

Prep Batch ID: **39790** Prep Code: **8151PR_W** Technician: **Henry Barrera**

Prep Factor Units: **mL / mL**

Initial Temp: **°C** Final Temp **°C**

Sample ID	ClientSampleID	Matrix	pH1	pH2	SampAmt	Fin Vol	factor	GPC	Acid	Sulfur	Florisil	PrepStart	PrepEnd
LFB-39790		Aqueous	12	2	1000	10	0.010	☐	☐	☑	☐	5/21/2013	5/22/2013
MB-39790		Aqueous	12	2	1000	10	0.010	☐	☐	☑	☐	5/21/2013	5/22/2013
1305795-012B	RB-1 (6-8)	Equipment Blank	12	2	1000	10	0.010	☐	☐	☐	☐	5/21/2013	5/22/2013
Prep hold time was exceeded by 0.05 day(s)													
1305929-011B	RB-2	Equipment Blank	12	2	1000	10	0.010	☐	☐	☑	☐	5/21/2013	5/22/2013
1305A27-020B	RB-3	Equipment Blank	12	2	1000	10	0.010	☐	☐	☐	☐	5/21/2013	5/22/2013
1305B03-002B	RB-4	Equipment Blank	12	2	1000	10	0.010	☐	☐	☐	☐	5/21/2013	5/22/2013

Type	Chemical / Reagent ID	Chemical / Reagent Name	Container#	Container I	Amount Added	Unit
Chemical	42	Silica Gel	157	Container-01 of 01	1	g
Reagent	212	6M NaOH 050713	244	Container-01 of 01	17	mL
Reagent	220	37% KOH 051013	252	Container-01 of 01	12	mL
Reagent	230	12M H2SO4 051613	262	Container-01 of 01	17	mL
Reagent	237	DIAZALD 052213	270	Container-01 of 01	1	mL
Chemical	183	Sodium Sulfate, Anhydrous VG12E	1531	Container-01 of 02	20	g
Chemical	167	Hexane, 95%	1560	Container-05 of 08	5	mL
Chemical	186	Ethyl Ether DI236	1596	Container-02 of 06	200	mL
Chemical	187	Methylene Chloride_53102	1628	Container-14 of 44	100	mL

Spike ID	Spike Name	Samp Type	Container#	Container ID	Amount Added	Amount Unit
QC515 AX	QC SPIKE FOR HERBICIDES	LFB	1430	Container-01 of 01	100	µL
SS515 AJ	Surrogate for herbicides	All	1204	Container-01 of 01	100	µL

Cleanups:
GPC = Method EPA3640A
Acid = Method EPA3665A
Sulfur= Method EPA3660B
Florisil = Method-EPA3620B

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

HA-2 (3)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS148

Lab Sample ID: 1305793-002B Date(s) Analyzed: 05/17/13 05/17/13

Instrument ID (1): HP6890-1 Instrument ID (2): HP6890-1

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
2,4,5-TP (Silvex)	1	6.60	6.58	6.64	3.6	
	2	6.62	6.60	6.66	5.0	38.9
2,4,5-T	1	6.75	6.73	6.79	9.1	
	2	6.83	6.80	6.86	11	20.9

URS148 H195 Revised SS 09-Aug-13

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.
MW-1 (6-8)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS148

Lab Sample ID: 1305793-006B Date(s) Analyzed: 05/18/13 05/18/13

Instrument ID (1): HP6890-1 Instrument ID (2): HP6890-1

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
2,4-DB	1	7.03	7.01	7.07	25	
	2	7.12	7.06	7.12	19	31.6

URS148 H196 Revised SS 09-Aug-13

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

MW-1 (14-16)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS148

Lab Sample ID: 1305793-010B Date(s) Analyzed: 05/18/13 05/18/13

Instrument ID (1): HP6890-1 Instrument ID (2): HP6890-1

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
2,4-DB	1	7.03	7.01	7.07	33	
	2	7.12	7.06	7.12	23	43.5

URS148 H197 Revised SS 09-Aug-13

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

HA-1 (1-2)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS148

Lab Sample ID: 1305929-001B Date(s) Analyzed: 05/22/13 05/22/13

Instrument ID (1): HP6890-1 Instrument ID (2): HP6890-1

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
2,4,5-T	1	6.75	6.73	6.79	7.0	
	2	6.83	6.80	6.86	7.8	11.4
2,4-DB	1	7.06	7.01	7.07	11	
	2	7.09	7.06	7.12	8.1	35.8

URS148 H198 Revised SS 09-Aug-13

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SB-2 (10-12)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS148

Lab Sample ID: 1305929-006B Date(s) Analyzed: 05/25/13 05/25/13

Instrument ID (1): HP6890-1 Instrument ID (2): HP6890-1

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
2,4-D	1	6.12	6.09	6.15	40	
	2	6.17	6.14	6.20	34	17.6
2,4,5-TP (Silvex)	1	6.60	6.58	6.64	3.8	
	2	6.62	6.60	6.66	5.3	39.5
2,4,5-T	1	6.75	6.73	6.79	9.3	
	2	6.83	6.80	6.86	8.3	12.0

URS148 H200 Revised SS 09-Aug-13

H 2 M labs

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR METALS ANALYSES
SAMPLE(S) RECEIVED:
SDG #: URS148

For Sample(s):

HA-2 (1.5-2)	MW-1 (10-12)	SB-2 (8-10)
HA-2 (3)	MW-1 (12-14)	SB-2 (10-12)
MW-1 (0-2)	MW-1 (14-16)	SB-2 (12-14)
MW-1 (2-4)	HA-1 (1-2)	SB-2 (14-16)
MW-1 (4-6)	HA-1 (2-3)	SB-2 (16-18)
MW-1 (6-8)	SB-2 (4-6)	SB-2 (18-20)
MW-1 (8-10)	SB-2 (6-8)	RB-2

The above soil sample(s) was/were received by H2M Labs Inc. for TAL metals analysis.

The sample(s) was/were prepared and analyzed using EPA method 6010B with a TS ICAP 6000 instrument and method 7470A with a Leeman HYDRA mercury analyzer.

7/25/13 PF

All Q. C. data and calibrations met the requirements of the method, unless discussed below, and no problems were encountered with sample analysis. The following should be noted:

Sample HA-1 (1-2) was utilized for Q. C. analysis and reporting.

The sample spike recovery for zinc was below the acceptance limit. Data for the analyte are flagged with the "N" qualifier on Forms 1 and 5A. The post spike recovery of 78.5% was within the acceptance limits.

In the serial dilution analysis of the sample, %D for copper was outside the acceptance range, and all results for this analyte were flagged with the qualifier "E" on Forms 1 and 9.

The RPDs for the duplicates exceeded the acceptance limits for lead and zinc. Results for these metals were qualified with "*" on Forms 1 and 6.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: June 11, 2013

****
* *
* *
****

Thomas Powell
Vice President

URS148 A11

U.S. EPA - CLP

3
BLANKS

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No. SAS No.: SDG No.: URS148

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum	9.5	U	9.5	U	9.5	U	9.5	U	0.950	U	P
Antimony	1.2	U	-3.6	B	-4.6	B	-1.7	B	0.120	U	P
Arsenic	2.8	U	2.8	U	2.8	U	2.8	U	0.280	U	P
Barium	3.7	U	3.7	U	3.7	U	3.7	U	0.370	U	P
Beryllium	0.1	U	0.1	U	-0.2	B	-0.2	B	0.010	U	P
Cadmium	0.2	B	0.1	U	0.1	U	0.1	U	0.010	U	P
Calcium	5.3	U	-8.2	B	-6.8	B	-6.0	B	0.530	U	P
Chromium	0.4	U	0.4	U	0.4	U	0.4	U	0.040	U	P
Cobalt	0.4	U	0.4	U	0.4	U	0.4	U	0.040	U	P
Copper	1.8	B	1.7	B	2.1	B	3.3	B	0.200	B	P
Iron	1.8	U	-2.8	B	-2.9	B	-4.5	B	0.180	U	P
Lead	1.0	U	1.0	U	1.0	U	-1.3	B	0.100	U	P
Magnesium	16.9	U	-17.0	B	16.9	U	16.9	U	1.700	U	P
Manganese	0.1	U	0.1	U	0.1	U	0.1	U	0.010	U	P
Nickel	0.3	U	0.3	U	0.3	U	0.3	U	0.030	U	P
Potassium	-2000.0	B	117.0	B	-530.0	B	-740.0	B	4.900	U	P
Selenium	-4.3	B	-3.6	B	-2.7	B	-4.4	B	0.230	U	P
Silver	0.9	B	0.2	U	0.6	B	0.6	B	0.060	B	P
Sodium	-180.0	B	-100.0	B	-81.0	B	-90.0	B	6.700	U	P
Thallium	2.2	B	1.9	U	1.9	U	1.9	U	0.190	U	P
Vanadium	0.3	U	0.3	U	0.3	U	0.3	U	0.030	U	P
Zinc	0.3	U	-0.5	B	-0.3	B	0.3	U	0.030	U	P

URS148 M46

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO
HA-1 (1-2)S

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No. SAS No.: SDG No.: URS148

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 82.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony	75-125	122.2128		0.1456	U	121.36	100.7		P
Arsenic	75-125	12.1849		3.3970		9.71	90.5		P
Barium	75-125	512.2743		44.7588		485.45	96.3		P
Beryllium	75-125	12.6339		0.2185	B	12.14	102.3		P
Cadmium	75-125	11.6751		0.0121	U	12.14	96.2		P
Chromium	75-125	61.2884		13.8111		48.55	97.8		P
Cobalt	75-125	124.1546		4.4176	B	121.36	98.7		P
Copper	75-125	71.3859		11.3839		60.68	98.9		P
Iron		11696.9900		11824.4217		242.73	-52.5		P
Lead		117.6495		141.3882		4.85	-489.0		P
Manganese	75-125	317.9717		190.2976		121.36	105.2		P
Mercury	75-125	0.2589		0.0712		0.20	92.8		CV
Nickel	75-125	126.0964		6.4201		121.36	98.6		P
Selenium	75-125	1.8787		0.2791	U	2.43	77.4		P
Silver	75-125	11.7480		0.0243	U	12.14	96.6		P
Thallium	75-125	12.3305		0.2306	U	12.14	101.6		P
Vanadium	75-125	139.8105		17.1365		121.36	101.1		P
Zinc	75-125	242.9692		192.3608		121.36	41.7	N	P

Comments:

URS148 M55

U.S. EPA - CLP

9

ICP SERIAL DILUTIONS

HA-1 (1-2)

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No. SAS No.: SDG No.: URS148

Matrix (soil/water): SOIL Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	63650.00		65200.00		2.4		P
Antimony	1.20	U	47.53	B			P
Arsenic	27.99		26.67	B	4.7		P
Barium	368.80		375.50	B	1.8		P
Beryllium	1.80	B	1.00	B	44.4		P
Cadmium	0.10	U	0.50	U			P
Calcium	19830.00		20500.00	B	3.4		P
Chromium	113.80		118.50	B	4.1		P
Cobalt	36.40	B	38.50	B	5.8		P
Copper	93.80		111.50	B	18.9	E	P
Iron	97430.00		101050.00		3.7		P
Lead	1165.00		1201.00		3.1		P
Magnesium	11750.00		12230.00	B	4.1		P
Manganese	1568.00		1625.00		3.6		P
Nickel	52.90		54.50	B	3.0		P
Potassium	49.00	U	245.00	U			P
Selenium	2.30	U	11.50	U			P
Silver	0.20	U	1.00	U			P
Sodium	333.60	B	335.00	U	100.0		P
Thallium	1.90	U	9.50	U			P
Vanadium	141.20		147.50	B	4.5		P
Zinc	1585.00		1657.00		4.5		P

URS148 M62

URS 149

CHAIN OF CUSTODY RECORD

URS

PROJECT NO. 11176892.00002 | SITE NAME Old Agnew

SAMPLERS (PRINT/SIGNATURE) Tim Burmeier / Tim Burmeier

LAB H2M

COOLER 2 of 4

PAGE 2 of 4

DELIVERY SERVICE: FedEx AIRBILL NO.:

TESTS / BOTTLE TYPE AND PRESERVATIVE

LOCATION IDENTIFIER	DATE	TIME	COMP/GRAB	SAMPLE ID	MATRIX	TOTAL NO.# OF CONTAINERS	1oz AMBER 2oz AMBER (TCL VOCs)	2oz AMBER (TAL METALS)	8oz AMBER (PCB/TPCB PESTICIDES HERBICIDES +SVOCs)	REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO.# (IRPIMS ONLY)
MW-2	5/14/13	08:57	G	MW2(0-2)	SO	4	2	1	1	1305794-002	N	0	2	
MW-2	5/14/13	09:20	G	MW2(2-4)	SO	4	2	1	1	003	N	2	4	
MW-2	5/14/13	09:05	G	MW2(0.5)	SO	4	2	1	1	001	N	0	0.5	
MW-2	5/14/13	09:28	G	MW2(4-6)	SO	4	2	1	1	004	N	4	6	
MW-2	5/14/13	09:40	G	MW2(6-8)	SO	4	2	1	1	005	N	6	8	
MW-2	5/14/13	10:10	DUP	MW2(8-10)	SO	4	2	1	1	006	Auger Cuttings	N	8	10
MW2	5/14/13	10:19	G	MW2(10-12)	SO	1			1	007		N	10	12
MW2	5/14/13	10:41	G	MW2(12-14)	SO	4	2	1	1	008		N	12	14
MW2	5/14/13	11:11	G	MW2(14-16)	SO	4	2	1	1	009		N	14	16
MW2	5/14/13	11:19	G	MW2(16-18)	SO	4	2	1	1	010		N	16	18
MW2	5/14/13	11:30	G	MW2(18-20)	SO	4	2	1	1	011		N	18	20

MATRIX CODES	AA - AMBIENT AIR	SE - SEDIMENT	SH - HAZARDOUS SOLID WASTE	SL - SLUDGE	WP - DRINKING WATER	WW - WASTE WATER	WG - GROUND WATER	SO - SOIL	DC - DRILL CUTTINGS	WL - LEACHATE	GS - SOIL GAS	WC - DRILLING WATER	WO - OCEAN WATER	WS - SURFACE WATER	WQ - WATER FIELD QC	LH - HAZARDOUS LIQUID WASTE	LF - FLOATING/FREE PRODUCT ON GW TABLE
SAMPLE TYPE CODES	TB# - TRIP BLANK	SD# - MATRIX SPIKE DUPLICATE	RB# - RINSE BLANK	FR# - FIELD REPLICATE	N# - NORMAL ENVIRONMENTAL SAMPLE	MS# - MATRIX SPIKE	(# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)										

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
Tim Burmeier	5/14/13	330		5/15/13	11:00
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME

Cooler temp 3.5 °C

IR gun 111728524 / 122076478

pH strips (HC256691) ≤2 3 9 ≥12

Free Cl2 strips(041912C)Present/Absent

Lot#

SPECIAL INSTRUCTIONS

Questions: call George Kisluk 716-856-[illegible]5636

Distribution: Original accompanies shipment, copy to coordinator f

URSF-075C/1 OF 1/CofCR/GCM

URS149 A13

URS149/150

CHAIN OF CUSTODY RECORD

URS

PROJECT NO. 11176892.00002 | SITE NAME Old Agway Store

SAMPLERS (PRINT/SIGNATURE) Tim Burmeier/

LAB H2M | COOLER 1 of 3 | PAGE 1 of

DELIVERY SERVICE: FedEx AIRBILL NO.:

TESTS: TCL VOCs | TAL Metals | PCBs/SVOCs

BOTTLE TYPE AND PRESERVATIVE: 10oz clear | 2oz amber | 8oz amber

LOCATION IDENTIFIER	DATE	TIME	COMP/ GRAB	SAMPLE ID	MATRIX	TOTAL NO. OF CONTAINERS						REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO.# (IRPIMS ONLY)
SB1	5/15/13	0850	G	SB1 (2-4)	SO	4	1	2	1	URS150	1305932-001	Soil boring	N	0	2	
SB1	5/15/13	0856	G	SB1 (2-4)	SO	4	1	2	1		2		N	2	4	
SB1	5/15/13	0915	G	SB1 (4-6)	SO	4	1	2	1		3		N	4	6	
SB1	5/15/13	0925	G	SB1 (6-8)	SO	4	1	2	1		4		N	6	8	
SB-1	5/15/13	0932	G	SB1 (8-10)	SO	4	1	2	1		5		N	8	10	
SB1	5/15/13	0952	G	SB1 (10-12)	SO	4	1	2	1		6		N	10	12	
SB1	5/15/13	1004	G	SB1 (12-14)	SO	4	1	2	1		7		N	12	14	
SB1	5/15/13	1015	G	SB1 (14-16)	SO	4	1	2	1		8		N	14	16	
SB1	5/15/13	1020	G	SB1 (16-18)	SO	4	1	2	1		9		N	16	18	
SB1	5/15/13	1034	G	SB1 (18-20)	SO	4	1	2	1	URS151	1305934-001		N	18	20	
SB1	5/15/13	1040	G	SB1 (20-22)	SO	4	1	2	1		2		N	20	22	
SB2	5/15/13	1436	G	SB2 (0-2)	SO	4	1	2	1		3		N	0	2	
SB2	5/15/13	1443	G	SB2 (2-4)	SO	4	1	2	1		4		N	2	4	

MS/MSD

45.678

149

MATRIX CODES	AA - AMBIENT AIR	SL - SLUDGE	WG - GROUND WATER	WL - LEACHATE	WO - OCEAN WATER	LH - HAZARDOUS LIQUID WASTE
	SE - SEDIMENT	WP - DRINKING WATER	SO - SOIL	GS - SOIL GAS	WS - SURFACE WATER	LF - FLOATING/FREE PRODUCT ON GW TABLE
	SH - HAZARDOUS SOLID WASTE	WW - WASTE WATER	DC - DRILL CUTTINGS	WC - DRILLING WATER	WQ - WATER FIELD QC	
SAMPLE TYPE CODES	TB# - TRIP BLANK	RB# - RINSE BLANK	N# - NORMAL ENVIRONMENTAL SAMPLE			
	SD# - MATRIX SPIKE DUPLICATE	FR# - FIELD REPLICATE	MS# - MATRIX SPIKE	(# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)		

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
Tim Burmeier	5/16/13	0900		5-17-13	11:00
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME

Cooler temp 14.6 °C
IR gun 122336969 / 122076478
pH strips (10BDH0431) ≤2 ~~3 9~~ ≥12
Free Cl2 strips(041912C)Present/Absent
Lot#

Distribution: Original accompanies shipment, copy to coordinator field files

URSF-075C/1 OF 1/CofCR/GCM

URS149 A21

H2M labs

H2M LABS INC
575 Broad Hollow Rd.
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.h2mlabs.com

URS 149

Sample Receipt Checklist

Client Name **URS** Date and Time Received: **5/17/2013 11:00:00**

Work Order Number: **1305934** RcptNo: **1** Received by: **MelissaWatson**

Completed by: M. Wat Reviewed by:

Completed Date: 5/20/2013 Reviewed Date:

Carrier name: FedEx

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☑	No	☐		
Are matrices correctly identified on Chain of custody?	Yes	☑	No	☐		
Is it clear what analyses were requested?	Yes	☑	No	☐		
Custody seals intact on sample bottles?	Yes	☐	No	☐	Not Present	☑
Samples in proper container/bottle?	Yes	☑	No	☐		
Were correct preservatives used and noted?	Yes	☑	No	☐	NA	☐
Preservative added to bottles:						
Sample Condition?	Intact	☑	Broken	☐	Leaking	☐
Sufficient sample volume for indicated test?	Yes	☑	No	☐		
Were container labels complete (ID, Pres, Date)?	Yes	☑	No	☐		
All samples received within holding time?	Yes	☑	No	☐		
Was an attempt made to cool the samples?	Yes	☑	No	☐	NA	☐
All samples received at a temp. of > 0° C to 6.0° C?	Yes	☐	No	☑	NA	☐
Response when temperature is outside of range:	Approved by client.					
Sample Temp. taken and recorded upon receipt?	Yes	☑	No	☐	15.6 To 17.9 °	
Water - Were bubbles absent in VOC vials?	Yes	☐	No	☐	No Vials	☑
Water - Was there Chlorine Present?	Yes	☐	No	☐	NA	☑
Water - pH acceptable upon receipt?	Yes	☐	No	☐	No Water	☑
Are Samples considered acceptable?	Yes	☑	No	☐		
Custody Seals present?	Yes	☑	No	☐		
Airbill or Sticker?	Air Bill	☑	Sticker	☐	Not Present	☐
Airbill No:						

Case Number: SDG: URS149 SAS:

Any No response should be detailed in the comments section below, if applicable.

Client Contacted? ☐ Yes ☑ No Person Contacted: Peter

Contact Mode: ☑ Phone: ☐ Fax: ☐ Email: ☐ In Person:

Client Instructions: Proceed with analysis, he will inform the samplers to use more ice.

Date Contacted: 5/17/2013 Contacted By: MelissaWatson

Regarding: Thermal preservation

Comments:

FedEx tracking #s: 8028 4059 9363; 8028 4060 1481; 8028 4059 9580. The samples were received above 6 degrees Celsius.

CorrectiveAction:

URS149 A22

URS149/151

CHAIN OF CUSTODY RECORD

URS

PROJECT NO. 11176892.00002 | SITE NAME Old Agway

SAMPLERS (PRINT/SIGNATURE) Tim Burmeier

LAB H2M

COOLER 1 of

PAGE 1 of

DELIVERY SERVICE: FedEx AIRBILL NO.:

TESTS: TCLP VOCs, TAL Metals, Cyanide, PCB's/SVOCs

BOTTLE TYPE AND PRESERVATIVE: 1 8oz. clear, 1 Tim Burmeier 8oz.

URS149

LOCATION IDENTIFIER	DATE	TIME	COMP/ GRAB	SAMPLE ID	MATRIX	TOTAL NO.# OF CONTAINERS	REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO.# (IRPIMS ONLY)
SB3	5/16/13	0910	G	SB3(0-2)	SO	4	1305A25-001 Soil borings	N	0	2	
SB3	5/16/13	0915	G	SB3(2-4)	SO	4	-002	N	2	4	
SB3	5/16/13	0925	G	SB3(4-6)	SO	4	-003	N	4	6	
SB3	5/16/13	0930	G	SB3(6-8)	SO	4	-004	N	6	8	
SB3	5/16/13	0943	G	SB3(8-10)	SO	4	-005	N	8	10	
SB3	5/16/13	0951	G	SB3(10-12)	SO	1	1305A27-001 URS151	N	10	12	
SB3	5/16/13		G	SB3(12-14)	SO			N	12	14	
SB3	5/16/13	1010	G	SB3(14-16)	SO	4	-002 Soil borings	N	14	16	
SB3	5/16/13	1018	G	SB3(16-18)	SO	4	-003	N	16	18	
SB3	5/16/13	1025	G	SB3(18-20)	SO	4	-004	N	18	20	

149

MATRIX CODES						
	AA - AMBIENT AIR	SL - SLUDGE	WG - GROUND WATER	WL - LEACHATE	WO - OCEAN WATER	LH - HAZARDOUS LIQUID WASTE
	SE - SEDIMENT	WP - DRINKING WATER	SO - SOIL	GS - SOIL GAS	WS - SURFACE WATER	LF - FLOATING/FREE PRODUCT ON GW TABLE
	SH - HAZARDOUS SOLID WASTE	WW - WASTE WATER	DC - DRILL CUTTINGS	WC - DRILLING WATER	WQ - WATER FIELD QC	

SAMPLE TYPE CODES			
TB# - TRIP BLANK	RB# - RINSE BLANK	N# - NORMAL ENVIRONMENTAL SAMPLE	(# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)
SD# - MATRIX SPIKE DUPLICATE	FR# - FIELD REPLICATE	MS# - MATRIX SPIKE	

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
Tim Burmeier	5/16/13	1600	Matthew Ly	5/16/13	0945
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME
Matthew Ly	5-20-13	11:00	[illegible]	5-20-13	11:00

SPECIAL INSTRUCTIONS: For questions contact George Kisluk: 716-856-5636

Distribution: Original accompanies shipment, copy to coordinator field files

URSF-075C/1 OF 1/CofCR/GCM

URS149 A29

H2M labs

H2M LABS INC
575 Broad Hollow Rd.
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.h2mlabs.com

URS149

Sample Receipt Checklist

Client Name **URS**

Date and Time Received: **5/18/2013 9:45:00 AM**

Work Order Number: **1305A25** RcptNo: **1**

Received by **MelissaWatson**

Completed by: M - Ward

Reviewed by: Jennifer Cr

Completed Date: 5/22/2013

Reviewed Date: 5/23/2013 10:41:56 AM

Carrier name: FedEx

Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Are matrices correctly identified on Chain of custody?	Yes ☑	No ☐		
Is it clear what analyses were requested?	Yes ☑	No ☐		
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present	☑
Samples in proper container/bottle?	Yes ☑	No ☐		
Were correct preservatives used and noted?	Yes ☑	No ☐	NA	☐
Preservative added to bottles:				
Sample Condition?	Intact ☑	Broken ☐	Leaking	☐
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
Were container labels complete (ID, Pres, Date)?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Was an attempt made to cool the samples?	Yes ☑	No ☐	NA	☐
All samples received at a temp. of > 0° C to 6.0° C?	Yes ☐	No ☑	NA	☐
Response when temperature is outside of range:				
Sample Temp. taken and recorded upon receipt?	Yes ☑	No ☐	7.7 To 18.1 °	
Water - Were bubbles absent in VOC vials?	Yes ☐	No ☐	No Vials	☑
Water - Was there Chlorine Present?	Yes ☐	No ☐	NA	☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	No Water	☑
Are Samples considered acceptable?	Yes ☑	No ☐		
Custody Seals present?	Yes ☑	No ☐		
Airbill or Sticker?	Air Bil ☑	Sticker ☐	Not Present	☐
Airbill No:				

Case Number: SDG: URS149 SAS:

Any No response should be detailed in the comments section below, if applicable.

Client Contacted? ☐ Yes ☑ No Person Contacted:

Contact Mode: ☐ Phone: ☐ Fax: ☐ Email: ☐ In Person:

Client Instructions:

Date Contacted: Contacted By:

Regarding:

Comments:

The samples were chilled but the temperatures upon receipt were greater than 6 degrees Celsius. FedEx tracking #s: 8028 4059 9400; 8028 4059 9570; 8028 4059 9558; 8028 4059 9385; 7997 8894 0743.

CorrectiveAction:

URS149 A30

H2M labs

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR VOLATILE ORGANICS
SAMPLES RECEIVED: 5/15/13 - 5/18/13
SDG #: URS149

For Sample(s):

MW-2 (0-0.5)	MW-2 (12-14)	SB-2 (0-2)
MW-2 (0-2)	MW-2 (14-16)	SB-2 (2-4)
MW-2 (2-4)	MW-2 (16-18)	SB-3 (0-2)
MW-2 (4-6)	MW-2 (18-20)	SB-3 (2-4)
MW-2 (6-8)	SB-1 (18-20)	SB-3 (4-6)
MW-2 (8-10)	SB-1 (20-22)	

The above sample(s) and blank(s) was/were analyzed for a select list of volatile organic analytes by EPA method 8260B.

All Q. C. data and calibrations met the requirements of the method unless discussed below, and no problems were encountered with sample analysis. The following should be noted:

No matrix spike/matrix spike duplicate was submitted, but lab fortified blanks (LFB) were analyzed. All percent recoveries for the four LFBs were within Q. C. limits except for high recoveries for 1,2-dichloroethane and 1,1,2-trichloroethane in LFB51813 and 2-hexanone in LFB52213. If found in the samples, results for these analytes are regarded estimated.

Due to the matrix, low internal standard areas were found in samples MW-2 (18-20) and SB-1 (18-20). Matrix interference was confirmed by re-analyses. The same samples also had low surrogate recoveries in the original analyses as well as the re-analyses. Both sets of data are reported.

Linear responses with average RFs or linear or quadratic regression calibration were used as required.

In the continuing calibration verifications (CCVs), some compounds exceeded the variability criterion for 8260B of %D of 15%. These compounds are noted on Form VII. Results for these analytes are regarded estimated and are flagged with a "Z" qualifier in the LFB and if found in samples associated with that continuous calibration.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: June 11, 2013
Date Revised: August 21, 2013

****
*
*
****

Ursula Middel
Technical Manager

2B

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS149

Level: (low/med) LOW

	EPA SAMPLE NO.	SMC1 TOL #	SMC2 BFB #	SMC3 DCA #	OTHER	TOT OUT
01	VBLK051713	89	88	98		0
02	LFB051713	86	92	101		0
03	MW-2 (0-0.5)	87	89	103		0
04	MW-2 (0-2)	86	88	104		0
05	MW-2 (2-4)	87	91	107		0
06	MW-2 (4-6)	88	90	102		0
07	MW-2 (6-8)	87	92	103		0
08	MW-2 (8-10)	88	103	107		0
09	MW-2 (12-14)	87	96	98		0
10	MW-2 (14-16)	88	94	108		0
11	MW-2 (16-18)	89	87	106		0
12	MW-2 (18-20)	151	21 *	97		1
13	VBLK051813	85	94	110		0
14	LFB051813	83	91	109		0
15	MW-2 (18-20) RE	245 *	12 *	73		2
16	VBLK052013	95	91	93		0
17	LFB052013	90	91	94		0
18	SB-1 (18-20)	108	52	91		0
19	SB-1 (20-22)	115	37	92		0
20	SB-2 (0-2)	96	87	100		0
21	SB-2 (2-4)	95	85	101		0
22	SB-3 (0-2)	93	85	98		0
23	SB-3 (2-4)	97	85	102		0
24	SB-3 (4-6)	95	89	101		0
25	VBLK052213	105	99	109		0
26	LFB052213	99	104	109		0
27	SB-1 (18-20) RE	188 *	24 *	100		2

			QC Limit
SMC 1	TOL	= Toluene-d8	(43-157)
SMC 2	BFB	= 4-Bromofluorobenzene	(34-145)
SMC 3	DCA	= 1,2-Dichloroethane-d4	(33-150)

Column to be used to flag recovery values

* Values outside of contract required QC limits

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS149

Lab File ID: A\A78638.D BFB Injection Date: 05/17/13

Instrument ID: HP5971 BFB Injection Time: 16:37

GC Column: Rtx-624 ID: .18 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.5
75	30.0 - 60.0% of mass 95	46.1
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	66.6
175	5.0 - 9.0% of mass 174	4.4 (6.6)1
176	95.0 - 101.0% of mass 174	65.8 (98.8)1
177	5.0 - 9.0% of mass 176	3.8 (5.8)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050	VSTD050	A\A78639.D	05/17/13	17:44
02	VBLK051713	VBLK051713	A\A78640.D	05/17/13	18:15
03	LFB051713	LFB051713	A\A78641.D	05/17/13	18:45
04	MW-2 (0-0.5)	1305794-001A	A\A78642.D	05/17/13	19:22
05	MW-2 (0-2)	1305794-002A	A\A78643.D	05/17/13	19:52
06	MW-2 (2-4)	1305794-003A	A\A78644.D	05/17/13	20:22
07	MW-2 (4-6)	1305794-004A	A\A78645.D	05/17/13	20:53
08	MW-2 (6-8)	1305794-005A	A\A78646.D	05/17/13	21:23
09	MW-2 (8-10)	1305794-006A	A\A78647.D	05/17/13	21:53
10	MW-2 (12-14)	1305794-008A	A\A78648.D	05/17/13	22:24
11	MW-2 (14-16)	1305794-009A	A\A78649.D	05/17/13	22:54
12	MW-2 (16-18)	1305794-010A	A\A78650.D	05/17/13	23:25
13	MW-2 (18-20)	1305794-011A	A\A78651.D	05/17/13	23:55

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS149

Lab File ID: A\A78688.D BFB Injection Date: 05/20/13

Instrument ID: HP5971 BFB Injection Time: 13:58

GC Column: Rtx-624 ID: .18 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.5
75	30.0 - 60.0% of mass 95	45.4
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	68.2
175	5.0 - 9.0% of mass 174	4.7 (7.0)1
176	95.0 - 101.0% of mass 174	68.7 (100.7)1
177	5.0 - 9.0% of mass 176	3.9 (5.6)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050	VSTD050	A\A78689.D	05/20/13	14:11
02	VBLK052013	VBLK052013	A\A78690.D	05/20/13	14:43
03	LFB052013	LFB052013	A\A78691.D	05/20/13	15:13
04	SB-1 (18-20)	1305934-001A	A\A78698.D	05/20/13	18:51
05	SB-1 (20-22)	1305934-002A	A\A78699.D	05/20/13	19:22
06	SB-2 (0-2)	1305934-003A	A\A78700.D	05/20/13	19:52
07	SB-2 (2-4)	1305934-004A	A\A78701.D	05/20/13	20:22
08	SB-3 (0-2)	1305A25-001A	A\A78702.D	05/20/13	20:53
09	SB-3 (2-4)	1305A25-002A	A\A78703.D	05/20/13	21:23
10	SB-3 (4-6)	1305A25-003A	A\A78704.D	05/20/13	21:53

7B

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS149

Instrument ID: HP5971 Calibration Date: 05/17/13 Time: 17:44

Lab File ID: A\A78639.D Init. Calib. Date(s): 05/15/13 05/16/13

EPA Sample No.(VSTD050##): VSTD050 Init. Calib. Times: 21:44 0:15

Heated Purge: (Y/N) Y

GC Column: Rtx-624 ID: .18 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	3.772	3.577		-5.2	
Chloromethane	4.002	4.137	0.100	3.4	
Vinyl chloride	3.770	3.883		3.0	20.0
Bromomethane	1.278	1.409		10.3	
Chloroethane	2.288	2.189		-4.3	
Trichlorofluoromethane	3.685	3.466		-5.9	
1,1-Dichloroethene	2.655	2.681		1.0	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	2.863	2.746		-4.1	
Acetone	0.571	0.630		10.3	
Carbon disulfide	10.049	10.792		7.4	
Methyl Acetate	1.824	2.027		11.1	
Methylene chloride	3.622	3.905		7.8	
trans-1,2-Dichloroethene	3.072	3.323		8.2	
Methyl tert-butyl ether	6.141	7.417		20.8	
1,1-Dichloroethane	5.254	5.787	0.100	10.2	
cis-1,2-Dichloroethene	3.188	3.533		10.8	
2-Butanone	0.926	1.175		26.9	
Chloroform	4.878	5.215		6.9	20.0
1,1,1-Trichloroethane	0.562	0.554		-1.4	
Cyclohexane	0.853	0.837		-1.9	
Carbon tetrachloride	0.482	0.459		-4.7	
Benzene	1.801	1.853		2.9	
1,2-Dichloroethane	2.682	3.203		19.4	
Trichloroethene	0.477	0.455		-4.5	
Methylcyclohexane	0.781	0.709		-9.2	
1,2-Dichloropropane	0.452	0.491		8.5	20.0
Bromodichloromethane	0.504	0.552		9.4	
cis-1,3-Dichloropropene	0.642	0.720		12.1	
4-Methyl-2-pentanone	0.419	0.463		10.4	
Toluene	2.129	1.959		-8.0	20.0
trans-1,3-Dichloropropene	0.540	0.635		17.7	
1,1,2-Trichloroethane	0.310	0.357		15.3	
Tetrachloroethene	0.430	0.364		-15.4	
2-Hexanone	0.256	0.298		16.3	
Dibromochloromethane	0.333	0.376		13.0	

All other compounds must meet a minimum RRF of 0.010.

URS149 V247

7B

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS149

Instrument ID: HP5971 Calibration Date: 05/17/13 Time: 17:44

Lab File ID: A\A78639.D Init. Calib. Date(s): 05/15/13 05/16/13

EPA Sample No.(VSTD050##): VSTD050 Init. Calib. Times: 21:44 0:15

Heated Purge: (Y/N) Y

GC Column: Rtx-624 ID: .18 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
1,2-Dibromoethane	0.373	0.408		9.5	
Chlorobenzene	1.370	1.288	0.300	-6.0	
Ethylbenzene	0.706	0.667		-5.6	20.0
Xylene (total)	0.839	0.804		-4.2	
Styrene	1.248	1.262		1.1	
Bromoform	0.180	0.224	0.100	24.6	
Isopropylbenzene	2.151	2.010		-6.6	
1,1,2,2-Tetrachloroethane	0.436	0.514	0.300	17.9	
1,3-Dichlorobenzene	0.893	0.870		-2.6	
1,4-Dichlorobenzene	0.914	0.881		-3.6	
1,2-Dichlorobenzene	0.801	0.808		0.9	
1,2-Dibromo-3-chloropropane	0.050	0.060		20.1	
1,2,4-Trichlorobenzene	0.257	0.230		-10.5	

All other compounds must meet a minimum RRF of 0.010.

URS149 V248

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS149

Instrument ID: HP5971 Calibration Date: 05/20/13 Time: 14:11

Lab File ID: A\A78689.D Init. Calib. Date(s): 05/15/13 05/16/13

EPA Sample No.(VSTD050##): VSTD050 Init. Calib. Times: 21:44 0:15

Heated Purge: (Y/N) Y

GC Column: Rtx-624 ID: .18 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	3.772	2.716		-28.0	
Chloromethane	4.002	3.937	0.100	-1.6	
Vinyl chloride	3.770	3.336		-11.5	20.0
Bromomethane	1.278	1.377		7.8	
Chloroethane	2.288	1.974		-13.7	
Trichlorofluoromethane	3.685	2.995		-18.7	
1,1-Dichloroethene	2.655	2.388		-10.0	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	2.863	2.412		-15.8	
Acetone	0.571	0.559		-2.1	
Carbon disulfide	10.049	9.373		-6.7	
Methyl Acetate	1.824	1.884		3.3	
Methylene chloride	3.622	3.545		-2.1	
trans-1,2-Dichloroethene	3.072	2.893		-5.8	
Methyl tert-butyl ether	6.141	6.706		9.2	
1,1-Dichloroethane	5.254	5.276	0.100	0.4	
cis-1,2-Dichloroethene	3.188	3.174		-0.4	
2-Butanone	0.926	1.089		17.6	
Chloroform	4.878	4.827		-1.0	20.0
1,1,1-Trichloroethane	0.562	0.554		-1.4	
Cyclohexane	0.853	0.797		-6.6	
Carbon tetrachloride	0.482	0.457		-5.1	
Benzene	1.801	1.927		7.0	
1,2-Dichloroethane	2.682	3.015		12.4	
Trichloroethene	0.477	0.473		-0.8	
Methylcyclohexane	0.781	0.703		-9.9	
1,2-Dichloropropane	0.452	0.513		13.4	20.0
Bromodichloromethane	0.504	0.575		14.0	
cis-1,3-Dichloropropene	0.642	0.747		16.4	
4-Methyl-2-pentanone	0.419	0.493		17.6	
Toluene	2.129	2.127		-0.1	20.0
trans-1,3-Dichloropropene	0.540	0.648		20.1	
1,1,2-Trichloroethane	0.310	0.360		16.3	
Tetrachloroethene	0.430	0.370		-14.0	
2-Hexanone	0.256	0.317		23.7	
Dibromochloromethane	0.333	0.377		13.4	

All other compounds must meet a minimum RRF of 0.010.

URS149 V259

7B

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS149

Instrument ID: HP5971 Calibration Date: 05/20/13 Time: 14:11

Lab File ID: A\A78689.D Init. Calib. Date(s): 05/15/13 05/16/13

EPA Sample No.(VSTD050##): VSTD050 Init. Calib. Times: 21:44 0:15

Heated Purge: (Y/N) Y

GC Column: Rtx-624 ID: .18 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
1,2-Dibromoethane	0.373	0.439		17.8	
Chlorobenzene	1.370	1.394	0.300	1.7	
Ethylbenzene	0.706	0.711		0.7	20.0
Xylene (total)	0.839	0.855		1.8	
Styrene	1.248	1.398		12.0	
Bromoform	0.180	0.214	0.100	19.0	
Isopropylbenzene	2.151	2.058		-4.3	
1,1,2,2-Tetrachloroethane	0.436	0.530	0.300	21.6	
1,3-Dichlorobenzene	0.893	0.956		7.1	
1,4-Dichlorobenzene	0.914	0.964		5.4	
1,2-Dichlorobenzene	0.801	0.877		9.5	
1,2-Dibromo-3-chloropropane	0.050	0.065		30.1	
1,2,4-Trichlorobenzene	0.257	0.262		1.9	

All other compounds must meet a minimum RRF of 0.010.

URS149 V260

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS149

Lab File ID (Standard): A\A78639.D Date Analyzed: 05/17/13

EPA Sample No.(VSTD050##): VSTD050 Time Analyzed: 17:44

Instrument ID: HP5971 Heated Purge: (Y/N) Y

GC Column: Rtx-624 ID: .18 (mm)

		IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 (CBZ) AREA #	RT #
	12 HOUR STD	76018	6.37	514646	7.59	471259	10.82
	UPPER LIMIT	152036	6.87	1029292	8.09	942518	11.32
	LOWER LIMIT	38009	5.87	257323	7.09	235630	10.32
	EPA SAMPLE						
01	VBLK051713	74558	6.37	513560	7.59	461290	10.82
02	LFB051713	78213	6.36	504124	7.59	473282	10.82
03	MW-2 (0-0.5)	78969	6.36	511111	7.59	469401	10.82
04	MW-2 (0-2)	77344	6.37	512385	7.59	474475	10.82
05	MW-2 (2-4)	75847	6.37	491739	7.58	464001	10.81
06	MW-2 (4-6)	72497	6.36	492235	7.58	443514	10.82
07	MW-2 (6-8)	77396	6.36	480408	7.58	448615	10.81
08	MW-2 (8-10)	75086	6.37	487939	7.58	450224	10.82
09	MW-2 (12-14)	82487	6.36	502306	7.58	465061	10.81
10	MW-2 (14-16)	81784	6.35	506012	7.58	465040	10.81
11	MW-2 (16-18)	80368	6.36	485374	7.58	452570	10.82
12	MW-2 (18-20)	74813	6.36	326122	7.58	130371*	10.81

IS1 = Bromochloromethane
IS2 = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS149

Lab File ID (Standard): A\A78663.D Date Analyzed: 05/18/13

EPA Sample No.(VSTD050##): VSTD050 Time Analyzed: 16:29

Instrument ID: HP5971 Heated Purge: (Y/N) Y

GC Column: Rtx-624 ID: .18 (mm)

		IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 (CBZ) AREA #	RT #
	12 HOUR STD	69484	6.36	464573	7.58	459002	10.8
	UPPER LIMIT	138968	6.86	929146	8.08	918004	11.3
	LOWER LIMIT	34742	5.86	232287	7.08	229501	10.3
	EPA SAMPLE						
01	VBLK051813	69986	6.35	482760	7.58	466938	10.81
02	LFB051813	67981	6.36	471618	7.58	460869	10.80
03	MW-2 (18-20)RE	54386	6.35	66246*	7.57	13687*	10.83

IS1 = Bromochloromethane
IS2 = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

URS149 V22

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS149

Lab File ID (Standard): A\A78689.D Date Analyzed: 05/20/13

EPA Sample No.(VSTD050##): VSTD050 Time Analyzed: 14:11

Instrument ID: HP5971 Heated Purge: (Y/N) Y

GC Column: Rtx-624 ID: .18 (mm)

		IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 (CBZ) AREA #	RT #
	12 HOUR STD	93447	6.37	560254	7.59	484582	10.82
	UPPER LIMIT	186894	6.87	1120508	8.09	969164	11.32
	LOWER LIMIT	46724	5.87	280127	7.09	242291	10.32
	EPA SAMPLE						
01	VBLK052013	94050	6.37	571785	7.59	477640	10.82
02	LFB052013	92482	6.37	552237	7.59	487017	10.82
03	SB-1 (18-20)	55542	6.37	334063	7.59	235746*	10.83
04	SB-1 (20-22)	85525	6.37	523074	7.59	335839	10.83
05	SB-2 (0-2)	78317	6.37	522298	7.59	424829	10.82
06	SB-2 (2-4)	80149	6.37	523727	7.59	433291	10.83
07	SB-3 (0-2)	84123	6.36	534750	7.59	461815	10.82
08	SB-3 (2-4)	77099	6.36	513912	7.59	425663	10.82
09	SB-3 (4-6)	82993	6.36	527971	7.59	440113	10.82

IS1 = Bromochloromethane
IS2 = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS149

Lab File ID (Standard): A\A78714.D Date Analyzed: 05/22/13

EPA Sample No.(VSTD050##): VSTD050 Time Analyzed: 16:54

Instrument ID: HP5971 Heated Purge: (Y/N) Y

GC Column: Rtx-624 ID: .18 (mm)

		IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 (CBZ) AREA #	RT #
	12 HOUR STD	92713	6.38	543989	7.61	477281	10.84
	UPPER LIMIT	185426	6.88	1087978	8.11	954562	11.34
	LOWER LIMIT	46357	5.88	271995	7.11	238641	10.34
	EPA SAMPLE						
01	VBLK052213	88399	6.39	557462	7.60	464785	10.84
02	LFB052213	85818	6.39	519175	7.60	452989	10.84
03	SB-1 (18-20)RE	83786	6.37	342326	7.60	118504*	10.84

IS1 = Bromochloromethane
IS2 = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

H 2 M labs

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR SEMIVOLATILE ORGANICS
SAMPLES RECEIVED: 5/15/13 - 5/18/13
SDG #: URS149

For Sample(s):

MW-2 (0-0.5)	MW-2 (12-14)	SB-2 (2-4)
MW-2 (0-2)	MW-2 (14-16)	SB-3 (0-2)
MW-2 (2-4)	MW-2 (16-18)	SB-3 (2-4)
MW-2 (4-6)	MW-2 (18-20)	SB-3 (4-6)
MW-2 (6-8)	SB-1 (18-20)	SB-3 (6-8)
MW-2 (8-10)	SB-1 (20-22)	SB-3 (8-10)
MW-2 (10-12)	SB-2 (0-2)	

10/3/13

The above soil sample(s) and blank(s) was/were analyzed for a select list of base/neutral/acid extractables by EPA method 8270C.

All Q. C. data and calibrations met the requirements of the method unless discussed below, and no problems were encountered with sample analysis. The following should be noted:

All soil extracts were subjected to GPC cleanup.

No sample was designated for matrix spike/ matrix spike duplicate (MS/MSD), but two samples were selected for in-house Q. C. analyses. All percent recoveries for the three lab fortified blanks were within Q. C. limits with the exception of a slightly low recovery for acetophenone in all three LFBs. The analyte was not detected in the samples, and no data are affected.

Apart from acetophenone, the following analytes had recoveries below Q. C. levels in the MS/MSD samples:
MW-2 (0-0.5)MS: pentachlorophenol. No recovery was obtained for 2,4-dinitophenol and 4,6-dinitro-2-metylphenol
MW-2 (0-0.5)MSD: 2,4-dimethylphenol, pentachlorophenol. No recovery was obtained for 2,4-dinitophenol.
SB-2 (0-2)MS: 2,4-dimethylphenol
SB-2 (0-2)MSD: 2,4-dimethylphenol
Apparently recoveries for phenol analytes were significantly affected by the matrix, and reporting limits for those analytes may be affected.

Even though most analytes recovered satisfactorily in both spike analyses for sample MW-2 (0-0.5), about half of the analytes exceeded an RPD of 30 % because of different efficiencies for the two extractions.

All CCC and SPCC calibration requirements were met. In the initial calibrations, average response factors were employed as applicable, and linear or quadratic regression functions were used for RSDs above 15%. Due to some sporadic responses for some of the calibration

H 2 M labs

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR SEMIVOLATILE ORGANICS
SAMPLES RECEIVED: 5/15/13 & 5/17/13
SDG #: URS149

levels, no acceptable functions were found for benzaldehyde, acetophenone and atrazine. Linear calibration was used for these analytes, and results are regarded estimated and are flagged for the LFB with the qualifier "Z". The compounds were not found in the samples.

In the continuing calibration verifications (CCV) some compounds had %Ds above 15%. These compounds are noted on Form VII. Results for these analytes are also regarded estimated and are also flagged with a "Z" qualifier in the LFB. None were found in samples associated with the calibrations.

The soil method blanks contained aldols and some other unknown TICs. If found in the associated samples, they were flagged with the qualifier "B".

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: June 4, 2013
Date Revised: August 21, 2013

****
*
*
****
Ursula Middel
Technical Manager

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS149

Matrix Spike - EPA Sample No.: MW-2 (0-2) Level: (low/med) LOW

3-Nitroaniline	1800	0	860	49	40-95
Acenaphthene	1800	0	1000	56	45-109
2,4-Dinitrophenol	1800	0	0	0*	10-80
4-Nitrophenol	1800	0	790	45	26-118
Dibenzofuran	1800	0	1100	64	48-112
2,4-Dinitrotoluene	1800	0	1100	63	49-112
Diethylphthalate	1800	0	1100	61	51-114
Fluorene	1800	0	1000	58	47-108
4-Chlorophenyl-phenylether	1800	0	1100	62	48-111
4-Nitroaniline	1800	0	900	51	46-110
4,6-Dinitro-2-methylphenol	1800	0	0	0*	16-104
N-Nitrosodiphenylamine	1800	0	920	52	39-90
4-Bromophenyl-phenylether	1800	0	1100	64	50-116
Hexachlorobenzene	1800	0	1100	64	51-110
Atrazine	1800	0	1600	90	74-129
Pentachlorophenol	1800	0	170	10*	22-115
Phenanthrene	1800	0	1100	61	47-124
Anthracene	1800	0	1100	61	50-117
Carbazole	1800	0	1100	62	51-114
Di-n-butyl phthalate	1800	0	1200	66	53-124
Fluoranthene	1800	0	1100	64	45-126
Pyrene	1800	0	1200	69	49-132
Butyl benzyl phthalate	1800	0	1100	60	54-130
3,3'-Dichlorobenzidine	1800	0	780	44	41-116
Benzo(a)anthracene	1800	0	1100	65	52-116
Chrysene	1800	0	1200	68	48-121
Bis(2-ethylhexyl)phthalate	1800	0	1200	67	60-127
Di-n-octyl phthalate	1800	0	1100	63	46-141
Benzo(b)fluoranthene	1800	0	1100	60	45-122
Benzo(k)fluoranthene	1800	0	1100	62	54-124
Benzo(a)pyrene	1800	0	1100	60	56-119
Indeno(1,2,3-cd)pyrene	1800	0	1100	63	50-108
Dibenzo(a,h)anthracene	1800	0	1100	62	52-109
Benzo(g,h,i)perylene	1800	0	1100	64	30-107

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 36 out of 65 outside limits

Spike Recovery: 8 out of 130 outside limits

COMMENTS: _____

URS149 B6

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS149

Matrix Spike - EPA Sample No.: MW-2 (0-2) Level: (low/med) LOW

Acenaphthylene	1800	1500	84	33*	30	43-107
3-Nitroaniline	1800	1200	65	28	30	40-95
Acenaphthene	1800	1500	82	33*	30	45-109
2,4-Dinitrophenol	1800	0	0*	0	30	10-80
4-Nitrophenol	1800	1100	64	35	30	26-118
Dibenzofuran	1800	1600	90	34*	30	48-112
2,4-Dinitrotoluene	1800	1500	86	31	30	49-112
Diethylphthalate	1800	1500	86	34*	30	51-114
Fluorene	1800	1400	81	33*	30	47-108
4-Chlorophenyl-phenylether	1800	1600	89	36*	30	48-111
4-Nitroaniline	1800	1200	70	31*	30	46-110
4,6-Dinitro-2-methylphenol	1800	280	16	200*	30	16-104
N-Nitrosodiphenylamine	1800	1200	69	28	30	39-90
4-Bromophenyl-phenylether	1800	1600	89	33*	30	50-116
Hexachlorobenzene	1800	1600	88	32*	30	51-110
Atrazine	1800	2200	123	31*	30	74-129
Pentachlorophenol	1800	350	20*	67*	30	22-115
Phenanthrene	1800	1500	85	33*	30	47-124
Anthracene	1800	1500	83	31*	30	50-117
Carbazole	1800	1500	83	29	30	51-114
Di-n-butyl phthalate	1800	1700	93	34*	30	53-124
Fluoranthene	1800	1500	85	28	30	45-126
Pyrene	1800	1600	93	30	30	49-132
Butyl benzyl phthalate	1800	1500	83	32*	30	54-130
3,3'-Dichlorobenzidine	1800	1000	58	27	30	41-116
Benzo(a)anthracene	1800	1500	85	27	30	52-116
Chrysene	1800	1600	92	30	30	48-121
Bis(2-ethylhexyl)phthalate	1800	1700	95	35*	30	60-127
Di-n-octyl phthalate	1800	1800	103	48*	30	46-141
Benzo(b)fluoranthene	1800	1600	91	41*	30	45-122
Benzo(k)fluoranthene	1800	1500	82	28	30	54-124
Benzo(a)pyrene	1800	1400	80	29	30	56-119
Indeno(1,2,3-cd)pyrene	1800	1100	65	3	30	50-108
Dibenzo(a,h)anthracene	1800	1200	66	6	30	52-109

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 36 out of 65 outside limits

Spike Recovery: 8 out of 130 outside limits

COMMENTS: _____

URS149 B8

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS149

Matrix Spike - EPA Sample No.: SB-2 (0-2) Level: (low/med) LOW

COMPOUND	SPIKE ADDED (µg/Kg)	SAMPLE CONCENTRATION (µg/Kg)	MS CONCENTRATION (µg/Kg)	MS % REC #	QC. LIMITS REC.
Benzaldehyde	1700	0	1200	67	10-226
Phenol	1700	0	1000	60	38-104
Bis(2-chloroethyl)ether	1700	0	940	54	32-116
2-Chlorophenol	1700	0	1000	59	36-109
2-Methylphenol	1700	0	980	56	36-104
2,2'-oxybis(1-chloropropane)	1700	0	690	40	33-116
Acetophenone	1700	0	770	44*	60-140
4-Methylphenol	1700	0	930	54	26-119
N-Nitroso-di-n-propylamine	1700	0	870	50	33-109
Hexachloroethane	1700	0	830	48	34-105
Nitrobenzene	1700	0	930	53	36-119
Isophorone	1700	0	1000	58	14-129
2-Nitrophenol	1700	0	1200	67	36-117
2,4-Dimethylphenol	1700	0	390	22*	24-96
Bis(2-chloroethoxy)methane	1700	0	1100	61	29-112
2,4-Dichlorophenol	1700	0	1300	73	41-117
Naphthalene	1700	0	1100	61	18-142
4-Chloroaniline	1700	0	690	40	29-88
Hexachlorobutadiene	1700	0	1000	58	36-118
Caprolactam	1700	0	1200	71	40-105
4-Chloro-3-methylphenol	1700	0	1200	67	45-118
2-Methylnaphthalene	1700	0	1100	66	31-135
Hexachlorocyclopentadiene	1700	0	630	37	10-97
2,4,6-Trichlorophenol	1700	0	1200	70	45-110
2,4,5-Trichlorophenol	1700	0	1300	74	45-111
1,1'-Biphenyl	1700	0	1100	66	51-99
2-Chloronaphthalene	1700	0	1100	61	35-107
2-Nitroaniline	1700	0	1000	58	42-118
Dimethylphthalate	1700	0	1200	69	49-112
2,6-Dinitrotoluene	1700	0	1200	70	50-109
Acenaphthylene	1700	0	1100	63	43-107

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 1 out of 65 outside limits

Spike Recovery: 3 out of 130 outside limits

COMMENTS: _____

URS149 B10

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS149

Matrix Spike - EPA Sample No.: SB-2 (0-2) Level: (low/med) LOW

COMPOUND	SPIKE ADDED (µg/Kg)	MSD CONCENTRATION (µg/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Benzaldehyde	1700	1200	70	4	30	10-226
Phenol	1700	1200	69	14	30	38-104
Bis(2-chloroethyl)ether	1700	1100	62	14	30	32-116
2-Chlorophenol	1700	1200	68	14	30	36-109
2-Methylphenol	1700	1200	68	19	30	36-104
2,2'-oxybis(1-chloropropane)	1700	790	46	14	30	33-116
Acetophenone	1700	860	49*	11	30	60-140
4-Methylphenol	1700	1100	62	14	30	26-119
N-Nitroso-di-n-propylamine	1700	1000	58	15	30	33-109
Hexachloroethane	1700	960	55	14	30	34-105
Nitrobenzene	1700	1000	59	11	30	36-119
Isophorone	1700	1200	66	13	30	14-129
2-Nitrophenol	1700	1300	74	10	30	36-117
2,4-Dimethylphenol	1700	480	28	24	30	24-96
Bis(2-chloroethoxy)methane	1700	1200	68	11	30	29-112
2,4-Dichlorophenol	1700	1400	81	10	30	41-117
Naphthalene	1700	1200	69	12	30	18-142
4-Chloroaniline	1700	810	47	16	30	29-88
Hexachlorobutadiene	1700	1100	65	11	30	36-118
Caprolactam	1700	1300	78	9	30	40-105
4-Chloro-3-methylphenol	1700	1300	76	13	30	45-118
2-Methylnaphthalene	1700	1300	74	11	30	31-135
Hexachlorocyclopentadiene	1700	730	42	13	30	10-97
2,4,6-Trichlorophenol	1700	1300	77	10	30	45-110
2,4,5-Trichlorophenol	1700	1400	82	10	30	45-111
1,1'-Biphenyl	1700	1200	71	7	30	51-99
2-Chloronaphthalene	1700	1200	68	11	30	35-107
2-Nitroaniline	1700	1100	63	8	30	42-118
Dimethylphthalate	1700	1300	76	10	30	49-112
2,6-Dinitrotoluene	1700	1300	77	10	30	50-109

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 1 out of 65 outside limits

Spike Recovery: 3 out of 130 outside limits

COMMENTS: _____

URS149 B12

3A

SYSTEM MONITORING SPIKE RECOVERY

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No.: URS SAS No.: SDG No.: URS149

Sample ID LFB-39743 Level:(low/med) LOW

Column ID Rxi-5SILMS Column Diam 0.25

Inst. ID HP5973N Init. Calib. Date(s): 05/10/13 10:26

Analysis Date: 05/24/13 21:04 05/10/13 14:18

COMPOUND	SPIKE ADDED (µg/Kg)	SAMPLE CONCENTRATION (µg/Kg)	SPIKE CONCENTRATION (µg/Kg)	SPIKE % REC #	QC. LIMITS REC.
Benzaldehyde	1700	0	1500	93	10-226
Phenol	1700	0	1300	78	38-104
Bis(2-chloroethyl)ether	1700	0	1200	71	32-116
2-Chlorophenol	1700	0	1200	74	36-109
2-Methylphenol	1700	0	1200	75	36-104
2,2'-oxybis(1-chloropropane)	1700	0	790	47	33-116
Acetophenone	1700	0	950	57*	60-140
4-Methylphenol	1700	0	1100	68	26-119
N-Nitroso-di-n-propylamine	1700	0	1100	65	33-109
Hexachloroethane	1700	0	1100	69	34-105
Nitrobenzene	1700	0	1200	70	36-119
Isophorone	1700	0	1300	75	14-129
2-Nitrophenol	1700	0	1300	81	36-117
2,4-Dimethylphenol	1700	0	790	47	24-96
Bis(2-chloroethoxy)methane	1700	0	1300	76	29-112
2,4-Dichlorophenol	1700	0	1400	84	41-117
Naphthalene	1700	0	1300	77	18-142
4-Chloroaniline	1700	0	940	56	29-88
Hexachlorobutadiene	1700	0	1300	75	36-118
Caprolactam	1700	0	1400	83	40-105
4-Chloro-3-methylphenol	1700	0	1300	79	45-118
2-Methylnaphthalene	1700	0	1300	81	31-135
Hexachlorocyclopentadiene	1700	0	920	55	10-97
2,4,6-Trichlorophenol	1700	0	1300	80	45-110
2,4,5-Trichlorophenol	1700	0	1400	84	45-111
1,1'-Biphenyl	1700	0	1300	80	51-99
2-Chloronaphthalene	1700	0	1300	75	35-107
2-Nitroaniline	1700	0	1200	72	42-118
Dimethylphthalate	1700	0	1300	78	49-112
2,6-Dinitrotoluene	1700	0	1400	81	50-109

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 1 out of 65 outside limits

COMMENTS:

URS149 B15

3A

SYSTEM MONITORING SPIKE RECOVERY

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No.: URS SAS No.: SDG No.: URS149

Sample ID LFB-39815 Level: (low/med) LOW

Column ID Rxi-5SILMS Column Diam 0.25

Inst. ID HP5973N Init. Calib. Date(s): 05/10/13 10:26

Analysis Date: 05/28/13 18:12 05/10/13 14:18

COMPOUND	SPIKE ADDED (µg/Kg)	SAMPLE CONCENTRATION (µg/Kg)	SPIKE CONCENTRATION (µg/Kg)	SPIKE % REC #	QC. LIMITS REC.
Benzaldehyde	1700	0	1400	86	10-226
Phenol	1700	0	1200	73	38-104
Bis(2-chloroethyl)ether	1700	0	1100	66	32-116
2-Chlorophenol	1700	0	1200	72	36-109
2-Methylphenol	1700	0	1200	70	36-104
2,2'-oxybis(1-chloropropane)	1700	0	750	45	33-116
Acetophenone	1700	0	900	54*	60-140
4-Methylphenol	1700	0	1100	65	26-119
N-Nitroso-di-n-propylamine	1700	0	1000	61	33-109
Hexachloroethane	1700	0	1100	67	34-105
Nitrobenzene	1700	0	1100	66	36-119
Isophorone	1700	0	1200	71	14-129
2-Nitrophenol	1700	0	1300	77	36-117
2,4-Dimethylphenol	1700	0	930	56	24-96
Bis(2-chloroethoxy)methane	1700	0	1200	74	29-112
2,4-Dichlorophenol	1700	0	1400	82	41-117
Naphthalene	1700	0	1200	75	18-142
4-Chloroaniline	1700	0	880	53	29-88
Hexachlorobutadiene	1700	0	1200	75	36-118
Caprolactam	1700	0	1300	80	40-105
4-Chloro-3-methylphenol	1700	0	1300	77	45-118
2-Methylnaphthalene	1700	0	1300	77	31-135
Hexachlorocyclopentadiene	1700	0	890	53	10-97
2,4,6-Trichlorophenol	1700	0	1300	76	45-110
2,4,5-Trichlorophenol	1700	0	1300	81	45-111
1,1'-Biphenyl	1700	0	1300	75	51-99
2-Chloronaphthalene	1700	0	1200	70	35-107
2-Nitroaniline	1700	0	1100	68	42-118
Dimethylphthalate	1700	0	1300	76	49-112
2,6-Dinitrotoluene	1700	0	1300	78	50-109

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 1 out of 65 outside limits

COMMENTS:

URS149 B18

3A

SYSTEM MONITORING SPIKE RECOVERY

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No.: URS SAS No.: SDG No.: URS149

Sample ID LFB-39848 Level: (low/med) LOW

Column ID Rxi-5SILMS Column Diam 0.25

Inst. ID HP5973N Init. Calib. Date(s): 05/10/13 10:26

Analysis Date: 05/29/13 19:08 05/10/13 14:18

COMPOUND	SPIKE ADDED (µg/Kg)	SAMPLE CONCENTRATION (µg/Kg)	SPIKE CONCENTRATION (µg/Kg)	SPIKE % REC #	QC. LIMITS REC.
Benzaldehyde	1700	0	1300	79	10-226
Phenol	1700	0	1200	71	38-104
Bis(2-chloroethyl)ether	1700	0	1000	63	32-116
2-Chlorophenol	1700	0	1100	67	36-109
2-Methylphenol	1700	0	1100	67	36-104
2,2'-oxybis(1-chloropropane)	1700	0	670	40	33-116
Acetophenone	1700	0	830	50*	60-140
4-Methylphenol	1700	0	1100	64	26-119
N-Nitroso-di-n-propylamine	1700	0	950	57	33-109
Hexachloroethane	1700	0	1000	62	34-105
Nitrobenzene	1700	0	1000	60	36-119
Isophorone	1700	0	1100	66	14-129
2-Nitrophenol	1700	0	1200	71	36-117
2,4-Dimethylphenol	1700	0	820	49	24-96
Bis(2-chloroethoxy)methane	1700	0	1100	67	29-112
2,4-Dichlorophenol	1700	0	1300	80	41-117
Naphthalene	1700	0	1100	69	18-142
4-Chloroaniline	1700	0	990	60	29-88
Hexachlorobutadiene	1700	0	1100	67	36-118
Caprolactam	1700	0	1300	76	40-105
4-Chloro-3-methylphenol	1700	0	1200	74	45-118
2-Methylnaphthalene	1700	0	1200	72	31-135
Hexachlorocyclopentadiene	1700	0	800	48	10-97
2,4,6-Trichlorophenol	1700	0	1200	74	45-110
2,4,5-Trichlorophenol	1700	0	1300	75	45-111
1,1'-Biphenyl	1700	0	1200	72	51-99
2-Chloronaphthalene	1700	0	1100	67	35-107
2-Nitroaniline	1700	0	1100	64	42-118
Dimethylphthalate	1700	0	1200	73	49-112
2,6-Dinitrotoluene	1700	0	1300	75	50-109

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 1 out of 65 outside limits

COMMENTS:

URS149 B21

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS149

Lab File ID: 3\N58226.D DFTPP Injection Date: 05/24/13

Instrument ID: HP5973N DFTPP Injection Time: 16:10

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	33.7
68	Less than 2% of mass 69	0.3 (0.8)1
69	Mass 69 relative abundance	41.6
70	Less than 2% of mass 69	0.1 (0.3)1
127	40.0 - 60.0% of mass 198	50.6
197	Less than 1% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5.0 - 9.0% of mass 198	6.5
275	10.0 - 30.0% of mass 198	21.7
365	Greater than 1% of mass 198	2.1
441	Present, but less than mass 443	18.2
442	40.0 - 110.0% of mass 198	97.9
443	17.0 - 23.0% of mass 442	19.7 (20.1)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD025	SSTD025	3\N58227.D	05/24/13	16:30
02	MB-39743	MB-39743	3\N58235.D	05/24/13	20:34
03	LFB-39743	LFB-39743	3\N58236.D	05/24/13	21:04
04	MW-2 (0-2)	1305794-002B	3\N58244.D	05/25/13	1:08
05	MW-2 (0-2)MS	1305794-002BMS	3\N58245.D	05/25/13	1:39
06	MW-2 (12-14)	1305794-008B	3\N58246.D	05/25/13	2:09
07	MW-2 (14-16)	1305794-009B	3\N58247.D	05/25/13	2:39
08	MW-2 (16-18)	1305794-010B	3\N58248.D	05/25/13	3:10

URS149 B28

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS149

Lab File ID: 3\N58259.D DFTPP Injection Date: 05/28/13

Instrument ID: HP5973N DFTPP Injection Time: 16:52

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	32.6
68	Less than 2% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	40.5
70	Less than 2% of mass 69	0.2 (0.4)1
127	40.0 - 60.0% of mass 198	51.4
197	Less than 1% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5.0 - 9.0% of mass 198	6.9
275	10.0 - 30.0% of mass 198	22.2
365	Greater than 1% of mass 198	2.6
441	Present, but less than mass 443	19.4
442	40.0 - 110.0% of mass 198	107.1
443	17.0 - 23.0% of mass 442	20.7 (19.3)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD025	SSTD025	3\N58260.D	05/28/13	17:12
02	MB-39815	MB-39815	3\N58261.D	05/28/13	17:42
03	LFB-39815	LFB-39815	3\N58262.D	05/28/13	18:12
04	MW-2 (18-20)	1305794-011B	3\N58263.D	05/28/13	18:43
05	MW-2 (0-0.5)	1305794-001B	3\N58277.D	05/29/13	1:48
06	MW-2 (0-2)MSD	1305794-002BMSD	3\N58278.D	05/29/13	2:18
07	MW-2 (2-4)	1305794-003B	3\N58279.D	05/29/13	2:49
08	MW-2 (4-6)	1305794-004B	3\N58280.D	05/29/13	3:19
09	MW-2 (8-10)	1305794-006B	3\N58281.D	05/29/13	3:49
10	MW-2 (10-12)	1305794-007B	3\N58282.D	05/29/13	4:20
11	MW-2 (6-8)	1305794-005B	3\N58283.D	05/29/13	4:50

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS149

Lab File ID: 3\N58291.D DFTPP Injection Date: 05/29/13

Instrument ID: HP5973N DFTPP Injection Time: 14:13

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	30.1
68	Less than 2% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	39.5
70	Less than 2% of mass 69	0.1 (0.2)1
127	40.0 - 60.0% of mass 198	48.6
197	Less than 1% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5.0 - 9.0% of mass 198	6.7
275	10.0 - 30.0% of mass 198	22.4
365	Greater than 1% of mass 198	2.4
441	Present, but less than mass 443	19.6
442	40.0 - 110.0% of mass 198	108.7
443	17.0 - 23.0% of mass 442	20.3 (18.7)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD025	SSTD025	3\N58292.D	05/29/13	14:33
02	MB-39848	MB-39848	3\N58300.D	05/29/13	18:38
03	LFB-39848	LFB-39848	3\N58301.D	05/29/13	19:08
04	SB-1 (18-20)	1305934-001B	3\N58311.D	05/30/13	0:13
05	SB-1 (20-22)	1305934-002B	3\N58312.D	05/30/13	0:43

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS149

Lab File ID: 3\N58334.D DFTPP Injection Date: 05/30/13

Instrument ID: HP5973N DFTPP Injection Time: 17:43

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	33.8
68	Less than 2% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	43.3
70	Less than 2% of mass 69	0.2 (0.6)1
127	40.0 - 60.0% of mass 198	50.9
197	Less than 1% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5.0 - 9.0% of mass 198	6.6
275	10.0 - 30.0% of mass 198	22.0
365	Greater than 1% of mass 198	2.6
441	Present, but less than mass 443	17.2
442	40.0 - 110.0% of mass 198	92.2
443	17.0 - 23.0% of mass 442	17.9 (19.5)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD025	SSTD026	3\N58335.D	05/30/13	18:03
02	SB-2 (0-2)	1305934-003B	3\N58347.D	05/31/13	0:22
03	SB-2 (0-2)MS	1305934-003BMS	3\N58348.D	05/31/13	0:53
04	SB-2 (0-2)MSD	1305934-003BMSD	3\N58349.D	05/31/13	1:23
05	SB-2 (2-4)	1305934-004B	3\N58350.D	05/31/13	1:53
06	SB-3 (0-2)	1305A25-001B	3\N58351.D	05/31/13	2:24
07	SB-3 (2-4)	1305A25-002B	3\N58352.D	05/31/13	2:54
08	SB-3 (4-6)	1305A25-003B	3\N58353.D	05/31/13	3:24
09	SB-3 (6-8)	1305A25-004B	3\N58354.D	05/31/13	3:55
10	SB-3 (8-10)	1305A25-005B	3\N58355.D	05/31/13	4:25

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS149

Instrument ID: HP5973N Calibration Date: 5/24/201 Time: 16:30

Lab File ID: 3\N58227.D Init. Calib. Date(s): 05/10/13 05/10/13

EPA Sample No.(SSTD050##): SSTD025 Init. Calib. Times: 10:26 14:18

GC Column: Rxi-5SILMS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Benzaldehyde	0.917	0.550		-40.0	
Phenol	2.202	2.291		-4.0	20.0
Bis(2-chloroethyl)ether	1.782	1.685		-5.5	
2-Chlorophenol	1.557	1.556		-0.1	
2-Methylphenol	1.403	1.408		0.3	
2,2'-oxybis(1-chloropropane)	2.507	2.112		-15.8	
Acetophenone	2.942	2.121		-27.9	
4-Methylphenol	1.563	1.589		1.6	
N-Nitroso-di-n-propylamine	1.223	1.090	0.050	-10.9	
Hexachloroethane	0.693	0.649		-6.3	
Nitrobenzene	0.447	0.399		-10.8	
Isophorone	0.781	0.739		-5.4	
2-Nitrophenol	0.201	0.209		4.2	20.0
2,4-Dimethylphenol	0.369	0.372		0.9	
Bis(2-chloroethoxy)methane	0.493	0.481		-2.4	
2,4-Dichlorophenol	0.267	0.296		10.8	20.0
Naphthalene	1.120	1.135		1.4	
4-Chloroaniline	0.443	0.462		4.4	
Hexachlorobutadiene	0.170	0.170		-0.2	20.0
Caprolactam	0.113	0.121		7.5	
4-Chloro-3-methylphenol	0.289	0.300		3.8	20.0
2-Methylnaphthalene	0.715	0.734		2.6	
Hexachlorocyclopentadiene	0.314	0.264	0.050	-16.0	
2,4,6-Trichlorophenol	0.335	0.359		7.2	20.0
2,4,5-Trichlorophenol	0.318	0.347		9.1	
1,1'-Biphenyl	1.529	1.580		3.4	
2-Chloronaphthalene	1.220	1.252		2.6	
2-Nitroaniline	0.360	0.328		-8.8	
Dimethylphthalate	1.223	1.242		1.6	
2,6-Dinitrotoluene	0.291	0.296		1.7	
Acenaphthylene	1.892	1.929		2.0	
3-Nitroaniline	0.296	0.327		10.4	
Acenaphthene	1.243	1.259		1.3	20.0
2,4-Dinitrophenol	0.132	0.114	0.050	-13.4	
4-Nitrophenol	0.121	0.114	0.050	-5.9	
Dibenzofuran	1.582	1.620		2.4	
2,4-Dinitrotoluene	0.369	0.388		5.3	
Diethylphthalate	1.231	1.201		-2.5	

All other compounds must meet a minimum RRF of 0.010.

URS149 B701

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS149

Instrument ID: HP5973N Calibration Date: 5/28/201 Time: 17:12

Lab File ID: 3\N58260.D Init. Calib. Date(s): 05/10/13 05/10/13

EPA Sample No.(SSTD050##): SSTD025 Init. Calib. Times: 10:26 14:18

GC Column: Rxi-5SILMS ID: 0.25 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Benzaldehyde	0.917	0.472		-48.5	
Phenol	2.202	2.308		4.8	20.0
Bis(2-chloroethyl)ether	1.782	1.670		-6.3	
2-Chlorophenol	1.557	1.589		2.0	
2-Methylphenol	1.403	1.426		1.6	
2,2'-oxybis(1-chloropropane)	2.507	2.073		-17.3	
Acetophenone	2.942	2.146		-27.1	
4-Methylphenol	1.563	1.590		1.7	
N-Nitroso-di-n-propylamine	1.223	1.100	0.050	-10.0	
Hexachloroethane	0.693	0.644		-7.1	
Nitrobenzene	0.447	0.391		-12.6	
Isophorone	0.781	0.732		-6.3	
2-Nitrophenol	0.201	0.211		5.2	20.0
2,4-Dimethylphenol	0.369	0.367		-0.4	
Bis(2-chloroethoxy)methane	0.493	0.471		-4.4	
2,4-Dichlorophenol	0.267	0.297		11.1	20.0
Naphthalene	1.120	1.112		-0.7	
4-Chloroaniline	0.443	0.468		5.7	
Hexachlorobutadiene	0.170	0.171		0.4	20.0
Caprolactam	0.113	0.119		5.7	
4-Chloro-3-methylphenol	0.289	0.302		4.4	20.0
2-Methylnaphthalene	0.715	0.732		2.4	
Hexachlorocyclopentadiene	0.314	0.245	0.050	-22.0	
2,4,6-Trichlorophenol	0.335	0.353		5.4	20.0
2,4,5-Trichlorophenol	0.318	0.350		10.0	
1,1'-Biphenyl	1.529	1.597		4.5	
2-Chloronaphthalene	1.220	1.204		-1.3	
2-Nitroaniline	0.360	0.317		-11.8	
Dimethylphthalate	1.223	1.228		0.4	
2,6-Dinitrotoluene	0.291	0.301		3.4	
Acenaphthylene	1.892	1.924		1.7	
3-Nitroaniline	0.296	0.324		9.4	
Acenaphthene	1.243	1.253		0.8	20.0
2,4-Dinitrophenol	0.132	0.130	0.050	-1.2	
4-Nitrophenol	0.121	0.108	0.050	-10.8	
Dibenzofuran	1.582	1.618		2.3	
2,4-Dinitrotoluene	0.369	0.381		3.4	
Diethylphthalate	1.231	1.208		-1.9	

All other compounds must meet a minimum RRF of 0.010.

URS149 B709

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS149

Instrument ID: HP5973N Calibration Date: 5/29/201 Time: 14:33

Lab File ID: 3\N58292.D Init. Calib. Date(s): 05/10/13 05/10/13

EPA Sample No.(SSTD050##): SSTD025 Init. Calib. Times: 10:26 14:18

GC Column: Rxi-5SILMS ID: 0.25 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Benzaldehyde	0.917	0.457		-50.2	
Phenol	2.202	2.262		2.7	20.0
Bis(2-chloroethyl)ether	1.782	1.688		-5.3	
2-Chlorophenol	1.557	1.582		1.6	
2-Methylphenol	1.403	1.406		0.2	
2,2'-oxybis(1-chloropropane)	2.507	2.035		-18.8	
Acetophenone	2.942	2.153		-26.8	
4-Methylphenol	1.563	1.575		0.8	
N-Nitroso-di-n-propylamine	1.223	1.098	0.050	-10.2	
Hexachloroethane	0.693	0.653		-5.8	
Nitrobenzene	0.447	0.386		-13.7	
Isophorone	0.781	0.717		-8.2	
2-Nitrophenol	0.201	0.211		5.2	20.0
2,4-Dimethylphenol	0.369	0.358		-2.9	
Bis(2-chloroethoxy)methane	0.493	0.480		-2.6	
2,4-Dichlorophenol	0.267	0.299		11.9	20.0
Naphthalene	1.120	1.126		0.6	
4-Chloroaniline	0.443	0.469		5.9	
Hexachlorobutadiene	0.170	0.173		1.5	20.0
Caprolactam	0.113	0.123		9.2	
4-Chloro-3-methylphenol	0.289	0.296		2.4	20.0
2-Methylnaphthalene	0.715	0.736		2.9	
Hexachlorocyclopentadiene	0.314	0.237	0.050	-24.6	
2,4,6-Trichlorophenol	0.335	0.362		8.1	20.0
2,4,5-Trichlorophenol	0.318	0.353		11.0	
1,1'-Biphenyl	1.529	1.620		6.0	
2-Chloronaphthalene	1.220	1.273		4.4	
2-Nitroaniline	0.360	0.311		-13.5	
Dimethylphthalate	1.223	1.259		3.0	
2,6-Dinitrotoluene	0.291	0.307		5.4	
Acenaphthylene	1.892	1.937		2.4	
3-Nitroaniline	0.296	0.336		13.4	
Acenaphthene	1.243	1.259		1.3	20.0
2,4-Dinitrophenol	0.132	0.135	0.050	2.6	
4-Nitrophenol	0.121	0.116	0.050	-4.2	
Dibenzofuran	1.582	1.657		4.8	
2,4-Dinitrotoluene	0.369	0.391		6.1	
Diethylphthalate	1.231	1.238		0.5	

All other compounds must meet a minimum RRF of 0.010.

URS149 B717

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS149

Instrument ID: HP5973N Calibration Date: 5/30/201 Time: 18:03

Lab File ID: 3\N58335.D Init. Calib. Date(s): 05/10/13 05/10/13

EPA Sample No.(SSTD050##): SSTD025 Init. Calib. Times: 10:26 14:18

GC Column: Rxi-5SILMS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Benzaldehyde	0.917	0.410		-55.3	
Phenol	2.202	2.183		-0.9	20.0
Bis(2-chloroethyl)ether	1.782	1.574		-11.7	
2-Chlorophenol	1.557	1.500		-3.7	
2-Methylphenol	1.403	1.260		-10.2	
2,2'-oxybis(1-chloropropane)	2.507	1.900		-24.2	
Acetophenone	2.942	2.099		-28.7	
4-Methylphenol	1.563	1.497		-4.2	
N-Nitroso-di-n-propylamine	1.223	1.021	0.050	-16.5	
Hexachloroethane	0.693	0.630		-9.1	
Nitrobenzene	0.447	0.381		-14.8	
Isophorone	0.781	0.708		-9.3	
2-Nitrophenol	0.201	0.214		6.7	20.0
2,4-Dimethylphenol	0.369	0.316		-14.3	
Bis(2-chloroethoxy)methane	0.493	0.470		-4.6	
2,4-Dichlorophenol	0.267	0.295		10.4	20.0
Naphthalene	1.120	1.111		-0.8	
4-Chloroaniline	0.443	0.465		5.0	
Hexachlorobutadiene	0.170	0.174		2.1	20.0
Caprolactam	0.113	0.117		3.9	
4-Chloro-3-methylphenol	0.289	0.278		-3.9	20.0
2-Methylnaphthalene	0.715	0.737		3.1	
Hexachlorocyclopentadiene	0.314	0.243	0.050	-22.7	
2,4,6-Trichlorophenol	0.335	0.347		3.6	20.0
2,4,5-Trichlorophenol	0.318	0.333		4.7	
1,1'-Biphenyl	1.529	1.627		6.4	
2-Chloronaphthalene	1.220	1.257		3.1	
2-Nitroaniline	0.360	0.298		-17.1	
Dimethylphthalate	1.223	1.233		0.8	
2,6-Dinitrotoluene	0.291	0.298		2.4	
Acenaphthylene	1.892	1.909		0.9	
3-Nitroaniline	0.296	0.339		14.5	
Acenaphthene	1.243	1.263		1.6	20.0
2,4-Dinitrophenol	0.132	0.132	0.050	0.3	
4-Nitrophenol	0.121	0.110	0.050	-9.2	
Dibenzofuran	1.582	1.637		3.5	
2,4-Dinitrotoluene	0.369	0.385		4.4	
Diethylphthalate	1.231	1.200		-2.5	

All other compounds must meet a minimum RRF of 0.010.

URS149 B725

Form 6

SVOCS IN SOIL INITIAL CALIBRATION DATA

Lab Name: H2M LABS INC Contract: H2M LABS INC

Lab Code: H2M Case No.: URS SAS No.: SDG No.: URS149

Instrument ID: HP5973N Calibration Dates: 5/10/2013 5/10/2013

Heated Purge: (Y/N) N Calibration Times: 10:26 14:18

GC Column: Rxi-5SILMS ID: 0.25 (mm)

LAB FILE ID: STD001= N57859.D STD005= N57857.D STD010= N57856.D STD025= N57852.D STD040= N57855.D
STD060= N57854.D STD080= N57853.D

COMPOUND	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7				RRF	% RSD	R ²
3-Methylphenol/4-Methylphenol	1.4477457	1.5252549	1.5455665	1.6525435	1.5842693	1.5031925	1.68396052				1.563	5.3	
Benzidine	0	0.1738835	0.2792381	0.3804365	0.3193456	0.3014267	0.27281247				0.288	23.6	
Benzoic acid	0	0	0.0335130	0.0652701	0.0842795	0.0713536	0.08733977				0.068	31.4	
Benzyl alcohol	0.6623727	0.8620544	0.9154058	0.7316159	0.9466763	0.9038714	0.94219442				0.852	13.1	
Octachlorocyclopentene	0	0.1083065	0.1205368	0.1293568	0.141384	0.1503996	0.15676454				0.134	13.7	
Benzaldehyde	1.3735023	0.5475354	1.1380086	1.2711782	0.9928462	0.6591483	0.43580336				0.917	40.4	
Aniline	2.1184293	2.3023092	2.4130776	2.5603874	2.5712510	2.4999158	2.80250004				2.467	8.8	
N-Nitrosodimethylamine	1.1709952	1.1690165	1.1466987	1.1760902	1.1431701	1.0568255	1.13951346				1.143	3.6	
Phenol *	2.0405845	2.1490468	2.1423254	2.1743429	2.3465147	2.1800034	2.38353473				2.202	5.5	*
Bis(2-chloroethyl)ether	1.9782533	1.9817946	1.8032411	1.8392922	1.7288764	1.5204904	1.62547333				1.782	9.7	
Pyridine	2.0325507	2.0257623	1.9723445	2.0690770	1.9822125	1.8429277	1.96773759				1.985	3.7	
2-Chlorophenol	1.5153404	1.5535466	1.5221853	1.5680805	1.5865296	1.4892611	1.66653343				1.557	3.8	
2-Methylphenol	1.3926172	1.4109014	1.4012879	1.4375859	1.4102624	1.3175616	1.45412242				1.403	3.1	
2,2'-oxybis(1-chloropropane)	2.6425653	2.6208878	2.5201047	2.6436584	2.424407	2.2574931	2.43933759				2.507	5.7	
Acetophenone	5.9195235	3.5735007	3.1014083	2.2173643	2.0716006	1.7148628	1.99770276				2.942	50.0	
4-Methylphenol	1.4477457	1.5252549	1.5455665	1.6525435	1.5842693	1.5031925	1.68396052				1.563	5.3	
N-Nitroso-di-n-propylamine *	1.2197521	1.2577638	1.2330054	1.2935606	1.2077488	1.1186444	1.22910180				1.223	4.4	*
Hexachloroethane	0.7416026	0.7084797	0.6695917	0.6940784	0.6848969	0.6387645	0.71278968				0.693	4.8	
Nitrobenzene	0.4571916	0.4636460	0.4286347	0.4518011	0.4433206	0.4236415	0.46225892				0.447	3.6	
Isophorone	0.759779	0.7773823	0.7516978	0.8172535	0.7874491	0.7550581	0.81737565				0.781	3.6	
2-Nitrophenol *	0.1695363	0.1974583	0.1962956	0.20862	0.210351	0.2011526	0.22098392				0.201	8.1	*
2,4-Dimethylphenol	0.3383682	0.3645545	0.3494989	0.364238	0.3841800	0.3701604	0.40885012				0.369	6.2	
Bis(2-chloroethoxy)methane	0.4598681	0.4989369	0.4750583	0.5114786	0.495655	0.4801074	0.52775666				0.493	4.7	

URS149 B653

Form 6

SVOCS IN SOIL INITIAL CALIBRATION DATA

Lab Name: H2M LABS INC Contract: H2M LABS INC

Lab Code: H2M Case No.: URS SAS No.: SDG No.: URS149

Instrument ID: HP5973N Calibration Dates: 5/10/2013 5/10/2013

Heated Purge: (Y/N) N Calibration Times: 10:26 14:18

GC Column: Rxi-5SILMS ID: 0.25 (mm)

LAB FILE ID: STD001= N57859.D STD005= N57857.D STD010= N57856.D STD025= N57852.D STD040= N57855.D
STD060= N57854.D STD080= N57853.D

COMPOUND		Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7				RRF	% RSD	R^2
2,4-Dichlorophenol	*	0.2055989	0.2666226	0.2606337	0.2841857	0.2828997	0.2700319	0.30087581				0.267	11.3	*
Naphthalene		1.0985698	1.1015076	1.0537795	1.1337533	1.1427542	1.0924833	1.21516371				1.120	4.6	
4-Chloroaniline		0.3754873	0.4146479	0.4291352	0.4665832	0.4657201	0.4458455	0.50135856				0.443	9.2	
Hexachlorobutadiene	*	0.1550972	0.1638586	0.1639192	0.1690851	0.1752767	0.1695997	0.1957874				0.170	7.5	*
Caprolactam		0.0932555	0.1122834	0.1186037	0.1264676	0.119948	0.0985374	0.11909776				0.113	10.9	
4-Chloro-3-methylphenol	*	0.2120084	0.2773339	0.2940895	0.3159351	0.3097264	0.2878058	0.32710276				0.289	13.2	*
2-Methylnaphthalene		0.6789904	0.7027253	0.6719686	0.7296865	0.7307760	0.7031132	0.78818253				0.715	5.5	
Hexachlorocyclopentadiene	*	0.1896049	0.2454103	0.2760856	0.3533964	0.3725652	0.3666113	0.39555326				0.314	24.7	*
2,4,6-Trichlorophenol	*	0.2450363	0.3178035	0.3238192	0.3483826	0.3695464	0.3528277	0.38740075				0.335	13.9	*
2,4,5-Trichlorophenol		0.2298570	0.2901982	0.2961311	0.3329543	0.3596267	0.3380151	0.38003479				0.318	15.8	
1,1'-Biphenyl		1.4081453	1.5193639	1.4390777	1.6128784	1.6347812	1.4023957	1.68424097				1.529	7.6	
2-Chloronaphthalene		1.1178424	1.1291077	1.1296438	1.2041651	1.3080570	1.2185875	1.43082967				1.220	9.4	
2-Nitroaniline		0.2783764	0.3510371	0.3509204	0.3916018	0.3851144	0.3664037	0.39331192				0.360	11.1	
Dimethylphthalate		1.1650064	1.237087	1.1771165	1.2657421	1.2514934	1.1736322	1.28876439				1.223	4.1	
2,6-Dinitrotoluene		0.2690249	0.2989235	0.2762682	0.2973776	0.2993657	0.2836661	0.31331394				0.291	5.3	
Acenaphthylene		1.7927763	1.851253	1.7760954	1.9393362	1.9687957	1.8730743	2.04301045				1.892	5.1	
3-Nitroaniline		0.1859457	0.2849570	0.2829587	0.3213938	0.3258731	0.3109835	0.36122991				0.296	18.7	
Acenaphthene	*	1.2021414	1.1934903	1.1565363	1.2664082	1.2883340	1.2300844	1.36330035				1.243	5.6	*
2,4-Dinitrophenol	*	0	0.074984	0.1083658	0.1319999	0.1549338	0.1463178	0.17283929				0.132	26.8	*
4-Nitrophenol	*	0	0.0808505	0.1038793	0.1349795	0.1301485	0.1258876	0.15097366				0.121	20.6	*
Dibenzofuran		1.4465	1.5481604	1.5031399	1.6279485	1.6483661	1.5677474	1.72931529				1.582	6.0	
2,4-Dinitrotoluene		0.2920648	0.3566653	0.3607932	0.4005694	0.3938539	0.3657026	0.41081538				0.369	10.8	
Diethylphthalate		1.1518601	1.2380995	1.1808987	1.2905606	1.2475311	1.1637691	1.34593930				1.231	5.8	

URS149 B654

Form 6

SVOCS IN SOIL INITIAL CALIBRATION DATA

Lab Name: H2M LABS INC Contract: H2M LABS INC

Lab Code: H2M Case No.: URS SAS No.: SDG No.: URS149

Instrument ID: HP5973N Calibration Dates: 5/10/2013 5/10/2013

Heated Purge: (Y/N) N Calibration Times: 10:26 14:18

GC Column: Rxi-5SILMS ID: 0.25 (mm)

LAB FILE ID: STD001= N57859.D STD005= N57857.D STD010= N57856.D STD025= N57852.D STD040= N57855.D

STD060= N57854.D STD080= N57853.D

COMPOUND	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	RRF	% RSD	R ²
1,2,4,5-Tetrachlorobenzene	0.5024056	0.5245604	0.5117019	0.5698507	0.5941750	0.5136753	0.61178203	0.547	8.1	
Fluorene	1.258928	1.3196051	1.2894993	1.4283120	1.4551706	1.3828922	1.57272843	1.387	7.9	
4-Chlorophenyl-phenylether	0.5171783	0.5880198	0.5640654	0.6153119	0.6322561	0.6156425	0.7273281	0.609	10.7	
4-Nitroaniline	0.157078	0.2673278	0.2853845	0.3211933	0.3128904	0.2966012	0.33706159	0.283	21.2	
4,6-Dinitro-2-methylphenol	0	0.109743	0.1181535	0.1395527	0.1544755	0.1482039	0.16728368	0.140	15.7	
N-Nitrosodiphenylamine *	0.6172203	0.6824646	0.6716261	0.7275465	0.7627448	0.7361413	0.82485389	0.718	9.4	*
1,2-Diphenylhydrazine	0.9792542	1.0384356	0.9861148	1.0698598	1.0842896	1.0265261	1.11133331	1.042	4.7	
4-Bromophenyl-phenylether	0.1878418	0.2122248	0.2049272	0.2236324	0.2452577	0.2370412	0.27190464	0.226	12.4	
Hexachlorobenzene	0.2243616	0.224307	0.2206948	0.240966	0.2590064	0.2493851	0.28682687	0.244	9.8	
Atrazine	0.1750056	0.1891428	0.1664839	0.170131	0.1449938	0.1010514	0.09482706	0.149	25.0	
Pentachlorophenol *	0	0.0727684	0.095616	0.1189962	0.1425332	0.1447382	0.17716255	0.125	30.0	*
Phenanthrene	1.1454011	1.1479818	1.1078346	1.2412094	1.2975651	1.2554082	1.45760176	1.236	9.7	
Anthracene	1.1520904	1.2183495	1.1570458	1.2649701	1.3133381	1.2641779	1.43368524	1.258	7.8	
Carbazole	0.7618531	0.9723183	0.9900956	1.1119985	1.1606242	1.1146187	1.26704335	1.054	15.5	
Di-n-butyl phthalate	1.1784859	1.3766376	1.3486490	1.4817425	1.4640165	1.3807263	1.62939625	1.409	9.9	
Fluoranthene *	1.0572655	1.1983766	1.1648605	1.2910598	1.3172891	1.2627290	1.50291769	1.256	11.1	*
Pyrene	1.2925278	1.3114615	1.2439673	1.2816281	1.3301297	1.2538696	1.30195928	1.288	2.4	
Butyl benzyl phthalate	0.5948877	0.6511381	0.6354472	0.6827562	0.6952879	0.6649466	0.74836683	0.668	7.3	
3,3'-Dichlorobenzidine	0.2725997	0.3188927	0.3409586	0.3833775	0.4264786	0.4506088	0.49676219	0.384	20.6	
Benzo(a)anthracene	1.2112964	1.1600310	1.1344492	1.1974186	1.210472	1.1484331	1.27393883	1.191	4.0	
Chrysene	1.0388117	1.0549525	1.0042969	1.0424907	1.0919544	1.0409197	1.13821762	1.059	4.1	
Bis(2-ethylhexyl)phthalate	0.7950122	0.9107938	0.8734898	0.9595089	0.9440481	0.8902106	1.06383213	0.920	9.1	
Di-n-octyl phthalate *	1.6526724	1.8524146	1.7868899	1.9326333	1.8329738	1.7170001	2.00071539	1.825	6.6	*

URS149 B655

Form 6

SVOCS IN SOIL INITIAL CALIBRATION DATA

Lab Name: H2M LABS INC Contract: H2M LABS INC

Lab Code: H2M Case No.: URS SAS No.: SDG No.: URS149

Instrument ID: HP5973N Calibration Dates: 5/10/2013 5/10/2013

Heated Purge: (Y/N) N Calibration Times: 10:26 14:18

GC Column: Rxi-5SILMS ID: 0.25 (mm)

LAB FILE ID: STD001= N57859.D STD005= N57857.D STD010= N57856.D STD025= N57852.D STD040= N57855.D

STD060= N57854.D STD080= N57853.D

COMPOUND	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7				RRF	% RSD	R ²
Benzo(b)fluoranthene	1.2493456	1.4334351	1.2582262	1.4275482	1.4780157	1.5567006	1.68760196				1.442	10.8	
2,3,4,6-Tetrachlorophenol	0.1820153	0.2585727	0.2529361	0.2733398	0.2841509	0.2739535	0.30946664				0.262	15.2	
Benzo(k)fluoranthene	1.3077968	1.206488	1.3225716	1.4101929	1.4363922	1.2953734	1.6630078				1.377	10.7	
Benzo(a)pyrene *	1.0901620	1.2013534	1.1668450	1.2973633	1.3367869	1.2992792	1.4999298				1.270	10.5	*
Indeno(1,2,3-cd)pyrene	1.1282017	1.2455106	1.2393574	1.4255108	1.5170481	1.4921662	1.71207912				1.394	14.5	
Dibenzo(a,h)anthracene	0.9089764	0.9859656	1.0144529	1.1746433	1.2763197	1.2655415	1.44617498				1.153	16.6	
Benzo(g,h,i)perylene	0.9130853	1.0030544	0.9975555	1.099007	1.1645342	1.1353537	1.24057285				1.079	10.5	
2-Fluorophenol	1.2732184	1.3679329	1.5575119	1.572551	1.4657221	1.4203389	1.4047569				1.437	7.3	
Nitrobenzene-d5	0.4242986	0.4458153	0.4196131	0.4303435	0.4436219	0.4459128	0.44598687				0.437	2.6	
Phenol-d5	1.6851583	1.6804534	1.8929729	1.9709342	1.8466235	1.8195927	1.81679261				1.816	5.8	
2,4,6-Tribromophenol	0	0.1328152	0.1623335	0.1754698	0.1823485	0.1912761	0.20424868				0.175	14.3	
2-Fluorobiphenyl	1.2428000	1.3118923	1.2296366	1.2680413	1.3575833	1.3812885	1.39505372				1.312	5.1	
4-Terphenyl-d14	0.9345824	0.9656294	0.9283353	0.9013978	0.9782214	0.9847728	0.98147524				0.953	3.4	
2-Chlorophenol-d4	1.3953875	1.3294612	1.5160144	1.5401993	1.4910674	1.49559	1.53139568				1.471	5.4	
1,2-Dichlorobenzene-d4	1.4543943	1.0936968	0.9965041	0.9553209	0.9860263	0.9961005	1.02822750				1.073	16.2	

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

URS149 B656

H2M labs

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR ORGANOPHOSPHOROUS PESTICIDES
SAMPLES RECEIVED: 5/15/13 - 5/18/13
SDG #: URS149

For Sample(s):

MW-2 (0-0.5)	MW-2 (12-14)	SB-2 (2-4)
MW-2 (0-2)	MW-2 (14-16)	SB-3 (0-2)
MW-2 (2-4)	MW-2 (16-18)	SB-3 (2-4)
MW-2 (4-6)	MW-2 (18-20)	SB-3 (4-6)
MW-2 (6-8)	SB-1 (18-20)	SB-3 (6-8)
MW-2 (8-10)	SB-1 (20-22)	SB-3 (8-10)
MW-2 (10-12)	SB-2 (0-2)	

The above soil sample(s) was/were analyzed for organophosphorous pesticides by EPA method 8141.

All Q. C. data and calibrations met the requirements of the method unless discussed below, and no problems were encountered with sample analysis. The following should be noted:

Two samples, MW-2 (0-0.5) and SB-2 (0-2), were selected for in-house batch quality control matrix spike, matrix spike duplicate (MS/MSD). All percent recoveries for the MS/MSD samples and all recoveries for the four lab fortified blanks were within Q. C. limits with the exception of a high recovery for famphur in LFB39800. No positives for famphur were detected, and no data are affected.

Linear calibration was used for all analytes. In the continuing calibration verifications (CCV), some compounds exceeded the variability criterion of a percent difference of 15%. (Famphur and methidathion in CCV US11906 and dimethoate in US11907 had high responses.) Results for these analytes would be regarded estimated in the affected analyses, however none of the compounds were found in the samples.

Due to interferences, positives in samples in GC analyses are reported to the practical detection limits (PDL) of ½ of the reporting limits (PQL). Peaks in the retention time windows for targeted analytes above minimum detection limits (MDL) and below PDL may have been present.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: June 11, 2013
Date Revised: August 26, 2013

****
* *
* *
****

Ursula Middel
Technical Manager

H 2 M labs

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR PESTICIDES/PCBS ANALYSIS
SAMPLES RECEIVED: 5/15/13 - 5/18/13
SDG #: URS149

For Sample(s):

MW-2 (0-0.5)	MW-2 (12-14)	SB-2 (2-4)
MW-2 (0-2)	MW-2 (14-16)	SB-3 (0-2)
MW-2 (2-4)	MW-2 (16-18)	SB-3 (2-4)
MW-2 (4-6)	MW-2 (18-20)	SB-3 (4-6)
MW-2 (6-8)	SB-1 (18-20)	SB-3 (6-8)
MW-2 (8-10)	SB-1 (20-22)	SB-3 (8-10)
MW-2 (10-12)	SB-2 (0-2)	

The above soil sample(s) was/were analyzed for pesticides and aroclors by methods 8081A and 8082 in accordance with the NYSDEC ASP, Rev. 7/2005 and reported with the requested deliverables.

All Q. C. data and calibrations met the requirements of the protocol, unless discussed below. No problems were encountered with sample analysis. The following should be noted:

The extracts were subjected to GPC cleanup. After cleanup, the concentrates were split and analyzed separately for pesticides and PCBs. The aliquots for aroclors analysis were cleaned up with sulfuric acid and TBA for sulfur removal. These aliquots for aroclors analysis are reported with an "A" suffix.

No sample was submitted for matrix spike/ matrix spike duplicate (MS/MSD) spiking, but samples MW-2 (0-2) and SB-2 (0-2) were selected for in-house batch Q. C. MS/MSD analysis. All targeted single peak compounds were spiked in MW-2 (0-2). The recoveries reported for alpha and gamma chlordane are representative for the targeted pesticide technical chlordane. Sample SB-2 (0-2) was used for spiking with toxaphene. All recoveries and RPDs for both MS/MSD samples were within the Q. C. limits.

Lab fortified blanks for the single peak pesticides mix, aroclors and toxaphene were analyzed, and recoveries indicate good method efficiency.

Sample SB-2 (2-4) was reanalyzed at a dilution due to a concentration found above the calibration range. Both sets of data are submitted.

Due to unresolved interferences, surrogate recoveries for either TCX or DCB were outside Q. C. limits on one analytical column in four pesticides analyses and one aroclors analysis. In sample SB-3(4-8) interferences affected the recovery of DCB on both columns.

Positives are reported to the practical detection limits of ½ of the reporting limits.

URS149 A7

H2M labs

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR PESTICIDES/PCBS ANALYSIS
SAMPLES RECEIVED: 5/15/13 - 5/18/13
SDG #: URS149

Please note that results for samples with a percent moisture greater than 50% are regarded estimated.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: June 28, 2013

****
* Middel *
****
Ursula Middel
Technical Manager

2F

SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS149

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	Other (1)	Other (2)	TOT OUT
01	mb-39701A	74	76	56	52			0
02	lfb2-39701A	81	80	56	56			0
03	MW-2 (0-0.5)A	76	76	64	63			0
04	MW-2 (0-2)A	88	85	62	62			0
05	MW-2 (2-4)A	68	69	59	55			0
06	MW-2 (4-6)A	64	67	70	93			0
07	MW-2 (6-8)A	77	77	61	60			0
08	MW-2 (8-10)A	91	141	63	77			0
09	MW-2 (10-12)A	82	73	58	68			0
10	MW-2 (12-14)A	63	64	56	52			0
11	mb-39701	71	68	51	52			0
12	lfb1-39701	67	66	51	50			0
13	lfb3-39701	70	71	53	55			0
14	MW-2 (0-0.5)	64	66	59	57			0
15	MW-2 (0-2)	76	82	65	56			0
16	MW-2 (0-2)MS	0	60	61	53			0
17	MW-2 (0-2)MSD	70	69	57	56			0
18	MW-2 (2-4)	71	68	54	55			0
19	MW-2 (4-6)	66	73	120	139			0
20	MW-2 (6-8)	72	77	66	62			0
21	MW-2 (8-10)	87	473 *	95	99			1
22	MW-2 (10-12)	104	475 *	94	94			1
23	MW-2 (12-14)	61	67	50	49			0
24	mb-39724	78	79	57	59			0

QC Limits

TCX = Tetrachloro-m-xylene (30-150)
DCB = Decachlorobiphenyl (30-150)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

2F

SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS149

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	Other (1)	Other (2)	TOT OUT
49	SB-3 (0-2)	79	73	63	61			0
50	SB-3 (2-4)	78	76	77	55			0
51	SB-3 (4-6)	82	77	62	58			0
52	SB-3 (6-8)	76	104	451 *	737 *			2
53	SB-3 (8-10)	54	74	122	150			0
54	SB-1 (18-20)	108	198 *	49	69			1
55	SB-1 (20-22)	63	67	43	64			0
56	SB-2 (0-2)	82	75	73	184 *			1
57	SB-2 (0-2)MS	79	75	53	69			0
58	SB-2 (0-2)MSD	69	73	76	55			0
59	SB-2 (2-4)	78	82	85	75			0
60	SB-2 (2-4)DL	86	77	77	141			0

		QC Limits
TCX	= Tetrachloro-m-xylene	(30-150)
DCB	= Decachlorobiphenyl	(30-150)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

MW-2 (0-0.5)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS149

Lab Sample ID: 1305794-001b Date(s) Analyzed: 05/22/13 05/22/13

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
4,4´-DDE	1	6.57	6.54	6.60	2.0	
	2	6.05	6.02	6.08	0.99	102.0
4,4´-DDT	1	7.57	7.55	7.61	1.1	
	2	7.18	7.16	7.22	1.2	9.1

URS149 P442

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.
MW-2 (4-6)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS149

Lab Sample ID: 1305794-004b Date(s) Analyzed: 05/22/13 05/22/13

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Endosulfan I	1	6.66	6.63	6.69	4.4	
	2	5.83	5.80	5.86	3.7	18.9
Dieldrin	1	6.95	6.93	6.99	4.2	
	2	6.24	6.23	6.29	5.8	38.1
4,4'-DDE	1	6.57	6.54	6.60	7.5	
	2	6.05	6.02	6.08	6.6	13.6
4,4'-DDD	1	7.28	7.25	7.31	15	
	2	6.84	6.81	6.87	7.1	111.3
4,4'-DDT	1	7.57	7.55	7.61	5.6	
	2	7.18	7.16	7.22	7.8	39.3
alpha-Chlordane	1	6.47	6.45	6.51	7.3	
	2	5.74	5.72	5.78	8.1	11.0
gamma-Chlordane	1	6.29	6.26	6.32	7.0	
	2	5.50	5.48	5.54	12	71.4

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

MW-2 (6-8)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS149

Lab Sample ID: 1305794-005b Date(s) Analyzed: 05/22/13 05/22/13

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
4,4'-DDE	1	6.57	6.54	6.60	7.2	
	2	6.05	6.02	6.08	6.8	5.9
4,4'-DDD	1	7.28	7.25	7.31	6.6	
	2	6.84	6.81	6.87	4.2	57.1
4,4'-DDT	1	7.58	7.55	7.61	8.6	
	2	7.18	7.16	7.22	2.6	230.8
alpha-Chlordane	1	6.47	6.45	6.51	2.3	
	2	5.74	5.72	5.78	1.7	35.3
gamma-Chlordane	1	6.29	6.26	6.32	1.4	
	2	5.49	5.48	5.54	39	999.9

URS149 P446

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

MW-2 (8-10)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS149

Lab Sample ID: 1305794-006b Date(s) Analyzed: 05/22/13 05/22/13

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
alpha-BHC	1	3.71	3.70	3.76	2.5	
	2	3.11	3.08	3.14	3.4	36.0
beta-BHC	1	4.19	4.17	4.23	110	
	2	3.56	3.53	3.59	4.4	999.9
delta-BHC	1	4.45	4.41	4.47	2.9	
	2	3.91	3.88	3.94	1.2	141.7
Heptachlor	1	4.73	4.70	4.76	1.1	
	2	3.97	3.95	4.01	1.9	72.7
Dieldrin	1	6.95	6.93	6.99	13	
	2	6.26	6.23	6.29	18	38.5
4,4'-DDE	1	6.57	6.54	6.60	6.8	
	2	6.05	6.02	6.08	7.3	7.4
4,4'-DDD	1	7.28	7.25	7.31	25	
	2	6.84	6.81	6.87	13	92.3
4,4'-DDT	1	7.57	7.55	7.61	6.5	
	2	7.18	7.16	7.22	2.3	182.6
Methoxychlor	1	8.02	8.00	8.06	16	
	2	7.86	7.84	7.90	17	6.3

URS149 P447

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

MW-2 (8-10)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS149

Lab Sample ID: 1305794-006b Date(s) Analyzed: 05/22/13 05/22/13

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

alpha-Chlordane	1	6.47	6.45	6.51	16	
	2	5.74	5.72	5.78	18	12.5
gamma-Chlordane	1	6.29	6.26	6.32	21	
	2	0.00	5.48	5.54	68	223.8

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

MW-2 (10-12)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS149

Lab Sample ID: 1305794-007b Date(s) Analyzed: 05/22/13 05/22/13

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
alpha-BHC	1	3.71	3.70	3.76	5.0	
	2	3.11	3.08	3.14	9.3	86.0
beta-BHC	1	4.19	4.17	4.23	160	
	2	3.56	3.53	3.59	2.5	999.9
delta-BHC	1	4.45	4.41	4.47	2.6	
	2	3.91	3.88	3.94	1.3	100.0
Heptachlor	1	4.71	4.70	4.76	3.9	
	2	3.97	3.95	4.01	1.5	160.0
Dieldrin	1	6.95	6.93	6.99	9.8	
	2	6.26	6.23	6.29	12	22.4
4,4'-DDE	1	6.57	6.54	6.60	6.0	
	2	6.06	6.02	6.08	11	83.3
4,4'-DDD	1	7.28	7.25	7.31	25	
	2	6.84	6.81	6.87	8.8	184.1
4,4'-DDT	1	7.55	7.55	7.61	73	
	2	7.18	7.16	7.22	1.5	999.9
Methoxychlor	1	8.02	8.00	8.06	18	
	2	7.86	7.84	7.90	13	38.5

URS149 P449

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

MW-2 (10-12)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS149

Lab Sample ID: 1305794-007b Date(s) Analyzed: 05/22/13 05/22/13

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

alpha-Chlordane	1	6.47	6.45	6.51	12	
	2	5.74	5.72	5.78	14	16.7
gamma-Chlordane	1	6.29	6.26	6.32	22	
	2	0.00	5.48	5.54	67	204.5

URS149 P450

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SB-1 (18-20)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS149

Lab Sample ID: 1305934-001b Date(s) Analyzed: 05/29/13 05/29/13

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
alpha-BHC	1	3.70	3.70	3.76	6.2	
	2	3.11	3.08	3.14	2.2	181.8
Endosulfan I	1	6.64	6.63	6.69	2.8	
	2	5.83	5.80	5.86	6.2	121.4
Dieldrin	1	6.94	6.92	6.98	2.6	
	2	6.23	6.23	6.29	2.0	30.0
4,4'-DDE	1	6.56	6.54	6.60	56	
	2	6.04	6.02	6.08	60	7.1
Endrin	1	7.23	7.19	7.25	9.5	
	2	6.67	6.64	6.70	5.2	82.7
4,4'-DDD	1	7.26	7.25	7.31	5.2	
	2	6.83	6.81	6.87	2.2	136.4

URS149 P451

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

SB-2 (2-4)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS149

Lab Sample ID: 1305934-004b Date(s) Analyzed: /29/2013 /29/2013

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
4,4'-DDE	1	6.56	6.54	6.60	11	
	2	6.04	6.02	6.08	9.5	15.8
4,4'-DDD	1	7.26	7.25	7.31	16	
	2	6.83	6.81	6.87	4.0	300.0
4,4'-DDT	1	7.57	7.54	7.60	68	
	2	7.18	7.16	7.22	83	22.1
alpha-Chlordane	1	6.47	6.44	6.50	2.7	
	2	5.74	5.71	5.77	2.3	17.4
gamma-Chlordane	1	6.28	6.26	6.32	2.9	
	2	5.50	5.47	5.53	3.1	6.9

Report from DL

FORM X PEST- 1 SW8081/8082

URS149 P453

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

SB-2 (2-4)DL

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS149

Lab Sample ID: 1305934-004bDL Date(s) Analyzed: /31/2013 /31/2013

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
4,4'-DDE	1	6.56	6.54	6.60	13	
	2	6.05	6.02	6.08	10	30.0
4,4'-DDD	1	7.27	7.25	7.31	16	
	2	6.84	6.81	6.87	5.7	182.0
4,4'-DDT	1	7.57	7.54	7.60	89	
	2	7.18	7.16	7.22	73	21.9

FORM X PEST- 1 SW8081/8082

URS149 P454

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SB-3 (6-8)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS149

Lab Sample ID: 1305a25-004b Date(s) Analyzed: 05/29/13 05/29/13

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
gamma-BHC	1	4.12	4.07	4.13	11	
	2	3.46	3.45	3.51	230	999.9
Endosulfan I	1	6.65	6.63	6.69	20	
	2	5.84	5.80	5.86	6.0	233.3
Dieldrin	1	6.95	6.92	6.98	20	
	2	6.23	6.23	6.29	350	999.9
4,4'-DDE	1	6.56	6.54	6.60	99	
	2	6.04	6.02	6.08	90	10.0
4,4'-DDD	1	7.26	7.25	7.31	490	
	2	6.83	6.81	6.87	120	308.3
Endosulfan sulfate	1	8.27	8.24	8.30	21	
	2	7.58	7.54	7.60	13	61.5
4,4'-DDT	1	7.58	7.54	7.60	67	
	2	7.20	7.16	7.22	34	97.1
Methoxychlor	1	8.02	7.99	8.05	51	
	2	7.88	7.83	7.89	28	82.1
Endrin ketone	1	8.50	8.50	8.56	35	
	2	8.03	8.03	8.09	35	0.0

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SB-3 (6-8)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS149

Lab Sample ID: 1305a25-004b Date(s) Analyzed: 05/29/13 05/29/13

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

Endrin aldehyde	1	7.86	7.84	7.90	84	
	2	7.29	7.27	7.33	26	223.1
alpha-Chlordane	1	6.46	6.44	6.50	20	
	2	5.74	5.71	5.77	25	25.0
gamma-Chlordane	1	6.28	6.26	6.32	28	
	2	0.00	5.47	5.53	170	507.1

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SB-3 (8-10)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS149

Lab Sample ID: 1305a25-005b Date(s) Analyzed: 05/29/13 05/29/13

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Heptachlor epoxide	1	6.07	6.07	6.13	2.4	
	2	5.23	5.18	5.24	17	608.3
4,4'-DDE	1	6.56	6.54	6.60	12	
	2	6.04	6.02	6.08	15	25.0
4,4'-DDD	1	7.27	7.25	7.31	22	
	2	6.83	6.81	6.87	13	69.2
4,4'-DDT	1	7.59	7.54	7.60	190	
	2	7.18	7.16	7.22	1.8	999.9
alpha-Chlordane	1	6.46	6.44	6.50	2.0	
	2	5.74	5.71	5.77	1.4	42.9
gamma-Chlordane	1	6.28	6.26	6.32	1.1	
	2	0.00	5.47	5.53	72	999.9

URS149 P457

H2M labs

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR HERBICIDES ANALYSES
SAMPLES RECEIVED: 5/15/13 - 5/18/13
SDG #: URS149

For Sample(s):

MW-2 (0-0.5)	MW-2 (12-14)	SB-2 (2-4)
MW-2 (0-2)	MW-2 (14-16)	SB-3 (0-2)
MW-2 (2-4)	MW-2 (16-18)	SB-3 (2-4)
MW-2 (4-6)	MW-2 (18-20)	SB-3 (4-6)
MW-2 (6-8)	SB-1 (18-20)	SB-3 (6-8)
MW-2 (8-10)	SB-1 (20-22)	SB-3 (8-10)
MW-2 (10-12)	SB-2 (0-2)	

The above soil sample(s) was/were analyzed for herbicides by EPA method 8151A. Picloram, dinoseb and 2,4-DB have been added to the originally reported list of herbicides. Please note that ELAP / NELAC does not offer certification for picloram.

All Q. C. data and calibrations met the requirements of the method unless discussed below, and no problems were encountered with sample analysis. The following should be noted:

Sample MW-2 (0-0.5) was selected for matrix spike analysis. All recoveries were within Q. C. limits. Six lab fortified blanks or sulfur cleaned aliquots were analyzed, and results indicate good method efficiency.

Four samples and the associated blanks (reported as LSB) and LFBs were subjected to sulfur cleanup. The data for the sulfur cleaned LFB aliquots are reported with the suffix "S".

The recovery for the surrogate DCAA was above the Q. C. limit on one column in three samples and LFB-39798(s) due to unresolved matrix interference. Note that the MS extract and sample MW-2 (2-4) were inadvertently double spiked with the surrogate spiking solution as stated in the extraction log. The reported spike recoveries were adjusted accordingly.

In the CCVs on 5/25/13, response for dinoseb was slightly high in CCV815127 on column RTX-CLP and low for 2,4-DB on column RTX-CLP2 in CCV815128. The analytes were reported from the compliant columns in LFB-39798(S). The analysis of sample SB-3 (6-8) was also affected. 2,4-DB should have been reported from RTX-CLP. However due to interference on that column the noncompliant column was reported. The result is therefore regarded estimated.

All results reported for sample SB-3 (6-8) should be considered estimated because the percent moisture is above 50%.

URS149 A9 REVISED KV 13-Aug-13

H2M labs

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR HERBICIDES ANALYSES
SAMPLES RECEIVED: 5/15/13 - 5/18/13
SDG #: URS149

Positives are reported to the practical detection limits of ½ of the reporting limits.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Revised: August 12, 2013

****
* *
* *
****
Ursula Middel
Technical Manager

URS149 A10 REVISED KV 13-Aug-13

2F

SOIL HERBICIDE SURROGATE RECOVERY

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS149

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

	EPA SAMPLE NO.	DCAA 1 %REC #	DCAA 2 %REC #	1 %REC #	%REC #	Other (1)	Other (2)	TOT OUT
01	mb-39729	83	83					0
02	lfb-39729	108	95					0
03	MW-2 (0-0.5)	127	115					0
04	MW-2 (0-2)	114	105					0
05	MW-2 (2-4)	97	80					0
06	MW-2 (4-6)	122	105					0
07	MW-2 (6-8)	95	85					0
08	MW-2 (12-14)	110	104					0
09	MW-2 (14-16)	130	115					0
10	MW-2 (16-18)	131	117					0
11	MW-2 (18-20)	113	109					0
12	MW-2 (0-0.5)MS	118	104					0
13	lsb-39729	93	87					0
14	lfb-39729(s)	94	86					0
15	MW-2 (8-10)	142 *	99					1
16	MW-2 (10-12)	124	85					0
17	mb-39777	89	86					0
18	lfb-39777	114	103					0
19	SB-1 (18-20)	103	88					0
20	mb-39798	46	47					0
21	lfb-39798	117	113					0
22	SB-1 (20-22)	140 *	120					1
23	SB-2 (0-2)	61	59					0
24	SB-2 (2-4)	134	120					0

QC Limits

DCAA = DCAA (29-136)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

URS149 H3 Revised CLG Aug-13-13

3A

SYSTEM MONITORING SPIKE RECOVERY

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No.: URS SAS No.: SDG No.: URS149

Sample ID lfb-39729(s) Level: (low/med) LOW

Column ID CLP Column Diam .32

Inst. ID HP6890-1 Init. Calib. Date(s): 05/16/13 19:31

Analysis Date: 05/21/13 15:54 05/16/13 20:34

COMPOUND	SPIKE ADDED (µg/Kg)	SAMPLE CONCENTRATION (µg/Kg)	SPIKE CONCENTRATION (µg/Kg)	SPIKE % REC #	QC. LIMITS REC.
Picloram	20	0	6.2	31*	40-140
Dicamba	20	0	15	74	16-136
2,4-D	40	0	35	87	25-157
2,4,5-TP (Silvex)	20	0	18	92	12-146
2,4,5-T	20	0	14	72	16-136
Dinoseb	40	0	17	41	10-121
2,4-DB	160	0	69	43	10-131

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 7 outside limits

COMMENTS:

Revised CLG Aug-13-13

URS149 H7

4C

EPA SAMPLE NO.

lsb-39729

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS149

Lab Sample ID: lsb-39729 Lab File ID: A00522.raw

Matrix: (soil/water) S Extraction: (Type) SHAKE/SEPF

Sulfur Cleanup: (Y/N) Y Date Extracted:

Date Analyzed (1): 05/21/13 Date Analyzed (2): 05/21/13

Time Analyzed (1): 15:38 Time Analyzed (2): 15:38

Instrument ID (1): HP6890-1 Instrument ID (2): HP6890-1

GC Column (1): CLP ID: .32 (mm) GC Column (2): CLP2 ID: .32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
1	lfb-39729(s)	lfb-39729(s)	5/21/2013	5/21/2013
2	MW-2 (8-10)	1305794-006B	5/21/2013	5/21/2013
3	MW-2 (10-12)	1305794-007B	5/21/2013	5/21/2013

COMMENTS: _____

FORM IV HERB

URS149 H12 Revised CLG Aug-13-13

H2M LABS INC

PREP BATCH REPORT

Prep Start Date: **5/17/2013 10:22:43**
Prep End Date: **5/20/2013 10:36:31**

Prep Batch ID: **39729** Prep Code: **8151PR_S** Technician: **Henry Barrera**

Prep Factor Units: **mL / g**

Initial Temp: **°C** Final Temp **°C**

Sample ID	ClientSampleID	Matrix	pH1	pH2	SampAmt	Fin Vol	factor	GPC	Acid	Sulfur	Florisil	PrepStart	PrepEnd
LFB-39729		Soil			25	5	0.200	☐	☐	☑	☐	5/17/2013	5/20/2013
MB-39729		Soil			25	5	0.200	☐	☐	☑	☐	5/17/2013	5/20/2013
1305794-001B	MW-2 (0-0.5)	Soil			25.08	5	0.199	☐	☐	☐	☐	5/17/2013	5/20/2013
1305794-002B	MW-2 (0-2)	Soil			25.19	5	0.198	☐	☐	☐	☐	5/17/2013	5/20/2013
1305794-003B	MW-2 (2-4)	Soil			25.03	5	0.200	☐	☐	☐	☐	5/17/2013	5/20/2013
	surr. added 100uL												
1305794-004B	MW-2 (4-6)	Soil			25.09	5	0.199	☐	☐	☐	☐	5/17/2013	5/20/2013
1305794-005B	MW-2 (6-8)	Soil			25.01	5	0.200	☐	☐	☐	☐	5/17/2013	5/20/2013
1305794-006B	MW-2 (8-10)	Soil			25.07	5	0.199	☐	☐	☑	☐	5/17/2013	5/20/2013
1305794-007B	MW-2 (10-12)	Soil			25.13	5	0.199	☐	☐	☑	☐	5/17/2013	5/20/2013
1305794-008B	MW-2 (12-14)	Soil			25.01	5	0.200	☐	☐	☐	☐	5/17/2013	5/20/2013
1305794-009B	MW-2 (14-16)	Soil			25.18	5	0.199	☐	☐	☐	☐	5/17/2013	5/20/2013
1305794-010B	MW-2 (16-18)	Soil			25.09	5	0.199	☐	☐	☐	☐	5/17/2013	5/20/2013
1305794-011B	MW-2 (18-20)	Soil			25.04	5	0.200	☐	☐	☐	☐	5/17/2013	5/20/2013
1305795-001B	MW-3 (0-0.5)	Soil			25.09	5	0.199	☐	☐	☐	☐	5/17/2013	5/20/2013
1305795-002B	MW-3 (0-2)	Soil			25.14	5	0.199	☐	☐	☐	☐	5/17/2013	5/20/2013
1305795-003B	MW-3 (2-4)	Soil			25.17	5	0.199	☐	☐	☐	☐	5/17/2013	5/20/2013
1305794-001BMS		Soil			25.05	5	0.200	☐	☐	☐	☐	5/17/2013	5/20/2013
	surr. added 100 uL												

Type	Chemical / Reagent ID	Chemical / Reagent Name	Container#	Container I	Amount Added	Unit
Chemical	42	Silica Gel	157	Container-01 of 01	1	g

Cleanups:
GPC = Method EPA3640A
Acid = Method EPA3665A
Sulfur= Method EPA3660B
Florisil = Method-EPA3620B

URS149 H473 Revised CLG Aug-13-13

1E

HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

mb-39777

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS149

Matrix: (soil/water) SOIL Lab Sample ID: mb-39777

Sample wt/vol: 25 (g/mL) g Lab File ID: A00573.raw

% Moisture: Decanted: (Y/N) N Date Received:

Extraction: (Type) Shake/SEPF Date Extracted: 05/21/13

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/22/13

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
1918-02-1	Picloram	10	U
1918-00-9	Dicamba	1.7	J
94-75-7	2,4-D	10	U
93-72-1	2,4,5-TP (Silvex)	5.0	U
93-76-5	2,4,5-T	5.0	U
88-85-7	Dinoseb	4.0	U
94-82-6	2,4-DB	10	U

URS149 H333 Revised CLG Aug-13-13

4C

EPA SAMPLE NO.

mb-39777

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS149

Lab Sample ID: mb-39777 Lab File ID: A00573.raw

Matrix: (soil/water) S Extraction: (Type) SHAKE/SEPF

Sulfur Cleanup: (Y/N) N Date Extracted: 05/21/13

Date Analyzed (1): 05/22/13 Date Analyzed (2): 05/22/13

Time Analyzed (1): 22:47 Time Analyzed (2): 22:47

Instrument ID (1): HP6890-1 Instrument ID (2): HP6890-1

GC Column (1): CLP ID: .32 (mm) GC Column (2): CLP2 ID: .32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
1	lfb-39777	lfb-39777	5/22/2013	5/22/2013
2	SB-1 (18-20)	1305934-001B	5/23/2013	5/23/2013

COMMENTS: _____

page 1 of 1

FORM IV HERB

URS149 H15 Revised CLG Aug-13-13

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

MW-2 (8-10)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS149

Lab Sample ID: 1305794-006B Date(s) Analyzed: 05/21/13 05/21/13

Instrument ID (1): HP6890-1 Instrument ID (2): HP6890-1

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
2,4-D	1	6.12	6.09	6.15	15	
	2	6.17	6.14	6.20	10	50.0
2,4,5-TP (Silvex)	1	6.60	6.58	6.64	4.8	
	2	6.62	6.60	6.66	28	483.3

Revised CLG Aug-13-13

URS149 H203

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

MW-2 (10-12)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS149

Lab Sample ID: 1305794-007B Date(s) Analyzed: 05/21/13 05/21/13

Instrument ID (1): HP6890-1 Instrument ID (2): HP6890-1

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
2,4-D	1	6.12	6.09	6.15	12	
	2	6.17	6.14	6.20	8.8	36.4
2,4,5-TP (Silvex)	1	6.60	6.58	6.64	4.2	
	2	6.62	6.60	6.66	3.2	31.3

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SB-1 (18-20)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS149

Lab Sample ID: 1305934-001B Date(s) Analyzed: 05/23/13 05/23/13

Instrument ID (1): HP6890-1 Instrument ID (2): HP6890-1

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Dicamba	1	5.55	5.53	5.59	22	
	2	5.58	5.56	5.62	21	4.8
2,4-D	1	6.12	6.09	6.15	130	
	2	6.17	6.14	6.20	100	30.0
2,4,5-TP (Silvex)	1	6.60	6.58	6.64	110	
	2	6.62	6.60	6.66	120	9.1

URS149 H205 Revised CLG Aug-13-13

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SB-1 (20-22)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS149

Lab Sample ID: 1305934-002B Date(s) Analyzed: 05/23/13 05/23/13

Instrument ID (1): HP6890-1 Instrument ID (2): HP6890-1

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Dicamba	1	5.55	5.53	5.59	24	
	2	5.58	5.56	5.62	22	9.1
2,4-D	1	6.11	6.09	6.15	190	
	2	6.17	6.14	6.20	150	26.7
2,4,5-TP (Silvex)	1	6.60	6.58	6.64	23	
	2	6.62	6.60	6.66	25	8.7

Revised CLG Aug-13-13

URS149 H206

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SB-2 (2-4)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS149

Lab Sample ID: 1305934-004B Date(s) Analyzed: 05/23/13 05/23/13

Instrument ID (1): HP6890-1 Instrument ID (2): HP6890-1

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
2,4-D	1	6.09	6.09	6.15	32	
	2	6.18	6.14	6.20	15	113.3

URS149 H208 Revised CLG Aug-13-13

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SB-3 (6-8)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS149

Lab Sample ID: 1305A25-004B Date(s) Analyzed: 05/25/13 05/25/13

Instrument ID (1): HP6890-1 Instrument ID (2): HP6890-1

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Picloram	1	7.52	7.51	7.58	20	
	2	7.82	7.75	7.82	24	20.0
2,4,5-T	1	6.74	6.73	6.79	41	
	2	6.82	6.80	6.86	200	387.8
Dinoseb	1	7.59	7.58	7.64	35	
	2	7.28	7.23	7.29	7.9	343.0
2,4-DB	1	7.03	7.01	7.07	89	
	2	7.09	7.06	7.12	34	161.8

URS149 H209 Revised CLG Aug-13-13

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SB-3 (8-10)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS149

Lab Sample ID: 1305A25-005B Date(s) Analyzed: 05/31/13 05/31/13

Instrument ID (1): HP6890-1 Instrument ID (2): HP6890-1

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
2,4,5-TP (Silvex)	1	6.55	6.53	6.59	8.6	
	2	6.57	6.55	6.61	5.9	45.8
2,4,5-T	1	6.70	6.68	6.74	13	
	2	6.78	6.75	6.81	21	61.5
2,4-DB	1	7.00	6.96	7.02	29	
	2	7.07	7.01	7.07	14	107.1

URS149 H210 Revised CLG Aug-13-13

H2M labs

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR METALS ANALYSES
SAMPLE(S) RECEIVED:
SDG #: URS149

For Sample(s):

MW-2 (0-0.5)	MW-2 (12-14)	SB-2 (0-2)
MW-2 (0-2)	MW-2 (14-16)	SB-2 (2-4)
MW-2 (2-4)	MW-2 (16-18)	SB-3 (0-2)
MW-2 (4-6)	MW-2 (18-20)	SB-3 (2-4)
MW-2 (6-8)	SB-1 (18-20)	SB-3 (4-6)
MW-2 (8-10)	SB-1 (20-22)	

The above soil sample(s) was/were received by H2M Labs Inc. for TAL metals analysis.

The sample(s) was/were prepared and analyzed using EPA method 6010B with a TS ICAP 6000 instrument and method 7470A with a Leeman HYDRA mercury analyzer.

All Q. C. data and calibrations met the requirements of the method, unless discussed below, and no problems were encountered with sample analysis. The following should be noted:

Sample SB-3 (0-2) was utilized for Q. C. analysis and reporting.

The sample spike recovery for selenium was below the acceptance limit. Data for the analyte are flagged with the "N" qualifier on Forms 1 and 5A. The post spike recovery of 84.5% was within the acceptance limits.

The sample spike recovery for mercury was above the acceptance limit. Data for the analyte are flagged with the "N" qualifier on Forms 1 and 5A

In the serial dilution analysis of the sample, %D for copper and potassium was outside the acceptance range, and all results for this analyte were flagged with the qualifier "E" on Forms 1 and 9.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: June 19, 2013
Date Revised: August 21, 2013

****
* *
* *
****

Thomas Powell
Vice President

U.S. EPA - CLP

3
BLANKS

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No. SAS No.: SDG No.: URS149

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum	-14.0	B	-10.0	B	-14.0	B	-12.0	B	0.950	U	P
Antimony	1.2	U	-2.2	B	-2.2	B	-1.5	B	0.120	U	P
Arsenic	2.8	U	2.8	U	2.8	U	2.8	U	0.280	U	P
Barium	3.7	U	3.7	U	3.7	U	3.7	U	0.370	U	P
Beryllium	0.1	U	0.1	U	0.1	U	0.1	U	0.010	U	P
Cadmium	0.1	U	0.1	U	0.1	U	0.2	B	0.010	U	P
Calcium	-24.0	B	-26.0	B	-23.0	B	-13.0	B	0.530	U	P
Chromium	0.4	U	0.4	U	0.4	U	0.4	U	0.040	U	P
Cobalt	0.4	U	0.4	U	0.4	U	0.4	U	0.040	U	P
Copper	0.4	U	-0.7	B	0.4	U	0.4	U	0.040	U	P
Iron	-8.4	B	-8.7	B	-9.0	B	-8.9	B	0.180	U	P
Lead	1.0	U	1.0	U	1.0	U	1.0	U	0.100	U	P
Magnesium	16.9	U	16.9	U	-18.0	B	16.9	U	1.700	U	P
Manganese	0.1	U	0.1	U	0.1	U	1.7	B	0.010	U	P
Nickel	-0.5	B	0.3	U	0.3	U	0.4	B	0.030	U	P
Potassium	183.0	B	49.0	U	96.5	B	49.0	U	8.040	B	P
Selenium	2.3	U	2.3	U	2.3	U	2.3	U	0.230	U	P
Silver	-0.5	B	-0.4	B	-0.2	B	-0.2	B	0.020	U	P
Sodium	96.5	B	67.0	U	67.0	U	308.0	B	6.700	U	P
Thallium	1.9	U	1.9	U	1.9	U	1.9	U	0.190	U	P
Vanadium	0.3	U	0.3	U	0.3	U	0.3	U	0.030	U	P
Zinc	-1.7	B	-1.9	B	-1.6	B	1.6	B	0.030	U	P

URS149 M37

U.S. EPA - CLP

3
BLANKS

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No. SAS No.: SDG No.: URS149

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum			-12.0	B	-10.0	B	-12.0	B			P
Antimony			-2.7	B	-3.0	B	-2.6	B			P
Arsenic			2.8	U	2.8	U	2.8	U			P
Barium			3.7	U	3.7	U	3.7	U			P
Beryllium			0.1	U	0.1	U	0.1	U			P
Cadmium			0.2	B	0.2	B	0.1	U			P
Calcium			-25.0	B	-22.0	B	-30.0	B			P
Chromium			0.4	U	0.4	U	0.4	U			P
Cobalt			0.4	U	0.4	U	0.4	U			P
Copper			-4.0	B	-2.6	B	-4.0	B			P
Iron			-8.0	B	-8.3	B	-8.0	B			P
Lead			1.0	U	1.0	U	1.0	U			P
Magnesium			16.9	U	16.9	U	16.9	U			P
Manganese			0.3	B	0.1	U	0.1	U			P
Nickel			0.3	U	0.3	U	0.3	U			P
Potassium			106.0	B	367.0	B	61.0	B			P
Selenium			2.3	U	2.3	U	2.3	U			P
Silver			-0.5	B	-0.3	B	-0.5	B			P
Sodium			67.0	U	104.0	B	95.4	B			P
Thallium			1.9	U	1.9	U	1.9	U			P
Vanadium			0.3	U	0.3	U	0.3	U			P
Zinc			-1.3	B	-1.5	B	-1.9	B			P

URS149 M38

U.S. EPA - CLP

3
BLANKS

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No. SAS No.: SDG No.: URS149

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum			-9.9	B	9.5	U					P
Antimony			-2.2	B	-1.7	B					P
Arsenic			2.8	U	2.8	U					P
Barium			3.7	U	3.7	U					P
Beryllium			0.1	U	0.1	U					P
Cadmium			0.1	U	0.1	U					P
Calcium			-31.0	B	-18.0	B					P
Chromium			0.4	U	1.0	B					P
Cobalt			0.4	U	0.4	U					P
Copper			-6.2	B	-7.6	B					P
Iron			-8.4	B	-4.7	B					P
Lead			1.0	U	1.0	U					P
Magnesium			16.9	U	16.9	U					P
Manganese			0.1	U	0.1	U					P
Nickel			-0.9	B	-0.4	B					P
Potassium			55.3	B	49.0	U					P
Selenium			2.3	U	3.4	B					P
Silver			-0.8	B	-1.0	B					P
Sodium			441.0	B	206.0	B					P
Thallium			1.9	U	1.9	U					P
Vanadium			0.3	U	0.3	U					P
Zinc			-2.0	B	-1.8	B					P

URS149 M39

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO
SB-3 (0-2)S

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No. SAS No.: SDG No.: URS149

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 93.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony	75-125	46.3784		0.1278	U	53.26	87.1		P
Arsenic	75-125	4.7018		1.1035		4.26	84.5		P
Barium	75-125	200.2561		15.4133	B	213.04	86.8		P
Beryllium	75-125	5.2514		0.2024	B	5.33	94.8		P
Cadmium	75-125	4.5377		0.0107	U	5.33	85.2		P
Chromium	75-125	25.2237		5.6988		21.30	91.7		P
Cobalt	75-125	52.5353		2.8334	B	53.26	93.3		P
Copper	75-125	27.7163		2.1943	B	26.63	95.8		P
Iron		8000.6556		7914.3754		106.52	81.0		P
Lead	75-125	7.5234		5.5496		2.13	92.7		P
Manganese	75-125	143.6944		92.1923		53.26	96.7		P
Mercury	75-125	0.2610		0.0178	U	0.18	147.0	N	CV
Nickel	75-125	52.1731		2.7695	B	53.26	92.8		P
Selenium	75-125	0.7409		0.2450	U	1.07	69.6	N	P
Silver	75-125	4.4877		0.0213	U	5.33	84.3		P
Thallium	75-125	5.0117		0.2024	U	5.33	94.1		P
Vanadium	75-125	62.8037		13.0806		53.26	93.4		P
Zinc	75-125	68.4066		19.2906		53.26	92.2		P

Comments:

URS149 M44

U.S. EPA - CLP

9

ICP SERIAL DILUTIONS

SB-3 (0-2)

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No. SAS No.: SDG No.: URS149

Matrix (soil/water): SOIL Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	40460.00		41715.00		3.1		P
Antimony	1.20	U	6.00	U			P
Arsenic	10.36		14.00	U	100.0		P
Barium	144.70	B	144.00	B	0.5		P
Beryllium	1.90	B	2.00	B	5.3		P
Cadmium	0.10	U	0.50	U			P
Calcium	11500.00		12090.00	B	5.1		P
Chromium	53.50		56.00	B	4.7		P
Cobalt	26.60	B	27.50	B	3.4		P
Copper	20.60	B	2.00	U	100.0	E	P
Iron	74300.00		73850.00		0.6		P
Lead	52.10		54.65	B	4.9		P
Magnesium	11430.00		12300.00	B	7.6		P
Manganese	865.50		902.50		4.3		P
Nickel	26.00	B	26.00	B	0.0		P
Potassium	2880.00	B	3526.50	B	22.4	E	P
Selenium	2.30	U	11.50	U			P
Silver	0.20	U	1.00	U			P
Sodium	645.60	B	1801.00	B	179.0		P
Thallium	1.90	U	9.50	U			P
Vanadium	122.80		129.50	B	5.5		P
Zinc	181.10		182.50	B	0.8		P

URS149 M50

U.S. EPA - CLP

14
ANALYSIS RUN LOG

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No. SAS No.: SDG No.: URS149

Instrument ID Number: ICAP6000 Method: P

Start Date: 06/10/2013 End Date: 06/10/2013

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN	
S0	1.00	1003		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
S	1.00	1008			X																	X						
S	1.00	1012		X						X				X		X												
S	1.00	1016				X									X						X			X				
S	1.00	1021					X	X	X		X	X	X				X		X						X	X		
S	1.00	1025												X									X					
S	1.00	1030																		X			X					
ICV	1.00	1034		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
ICV	1.00	1038												X									X					
ICB	1.00	1043		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
ZZZZZZ	1.00	1047																										
CRI	1.00	1051			X	X		X	X		X	X	X		X		X		X		X	X		X	X	X		
ICSA	1.00	1056		X		X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X		
ICSAB	1.00	1100		X		X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X		
CCV	1.00	1105		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
CCV	1.00	1109												X									X					
CCB	1.00	1113		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
ZZZZZZ	1.00	1118																										
ZZZZZZ	1.00	1122																										
ZZZZZZ	1.00	1127																										
ZZZZZZ	1.00	1131																										
ZZZZZZ	1.00	1136																										
ZZZZZZ	5.00	1140																										
ZZZZZZ	1.00	1144																										
ZZZZZZ	1.00	1149																										
ZZZZZZ	1.00	1153																										
ZZZZZZ	1.00	1158																										
CCV	1.00	1202		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
CCV	1.00	1206												X									X					
CCB	1.00	1211		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
ZZZZZZ	1.00	1215																										
ZZZZZZ	1.00	1220																										
ZZZZZZ	1.00	1224																										
ZZZZZZ	5.00	1229																										
ZZZZZZ	1.00	1233																										

URS149 M60

U.S. EPA - CLP

14
ANALYSIS RUN LOG

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No. SAS No.: SDG No.: URS149

Instrument ID Number: ICAP6000 Method: P

Start Date: 06/10/2013 End Date: 06/10/2013

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	1.00	1237																										
ZZZZZZ	1.00	1242																										
ZZZZZZ	1.00	1246																										
ZZZZZZ	1.00	1251																										
ZZZZZZ	1.00	1255																										
CCV	1.00	1300		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV	1.00	1304												X									X				
CCB	1.00	1308		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1313																										
ZZZZZZ	1.00	1317																										
ZZZZZZ	1.00	1321																										
ZZZZZZ	1.00	1326																										
ZZZZZZ	1.00	1330																										
ZZZZZZ	1.00	1334																										
ZZZZZZ	1.00	1338																										
ZZZZZZ	1.00	1343																										
ZZZZZZ	1.00	1347																										
ZZZZZZ	1.00	1351																										
CCV	1.00	1356		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV	1.00	1400												X									X				
CCB	1.00	1404		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1409																										
ZZZZZZ	1.00	1413																										
ZZZZZZ	1.00	1417																										
ZZZZZZ	1.00	1422																										
ZZZZZZ	1.00	1426																										
ZZZZZZ	1.00	1430																										
ZZZZZZ	1.00	1435																										
ZZZZZZ	1.00	1439																										
ZZZZZZ	1.00	1444																										
ZZZZZZ	1.00	1448																										
CCV 5	1.00	1452		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV 5	1.00	1457												X									X				
CCB 5	1.00	1501		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
PBS	1.00	1505		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	

URS149 M61

U.S. EPA - CLP

14
ANALYSIS RUN LOG

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No. SAS No.: SDG No.: URS149

Instrument ID Number: ICAP6000 Method: P

Start Date: 06/10/2013 End Date: 06/10/2013

EPA Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN			
LCSS	1.00	1510		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
-2 (0-0.5)	1.00	1514		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
MW-2 (0-2)	1.00	1518		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
MW-2 (2-4)	1.00	1523		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
MW-2 (4-6)	1.00	1527		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
MW-2 (6-8)	1.00	1531		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
W-2 (8-10)	1.00	1535		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
-2 (12-14)	1.00	1540		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
-2 (14-16)	1.00	1544		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
CCV 6	1.00	1549		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
CCV 6	1.00	1553												X									X							
CCB 6	1.00	1557		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
-2 (16-18)	1.00	1602		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
-2 (18-20)	1.00	1606		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
-1 (18-20)	1.00	1611		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
-1 (20-22)	1.00	1615		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
SB-2 (0-2)	1.00	1620		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
SB-2 (2-4)	1.00	1624		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
SB-3 (0-2)	1.00	1629		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
B-3 (0-2)D	1.00	1633		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
B-3 (0-2)S	1.00	1637		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
B-3 (0-2)L	5.00	1642		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
CCV 7	1.00	1646		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
CCV 7	1.00	1650												X									X							
CCB 7	1.00	1655		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
B-3 (0-2)A	1.00	1700																			X									
SB-3 (2-4)	1.00	1704		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
SB-3 (4-6)	1.00	1709		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
CRI	1.00	1713			X	X		X	X		X	X	X		X		X		X		X	X		X	X	X			
ICSA	1.00	1717		X		X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
ICSAB	1.00	1722		X		X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
CCV 8	1.00	1726		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
CCV 8	1.00	1731												X									X							
CCB 8	1.00	1735		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			

URS149 M62

FEDEX # 7771 6001 [illegible]

URS150

CHAIN OF CUSTODY RECORD

URS

PROJECT NO. 11171892.00002

SITE NAME Old Agway

SAMPLERS (PRINT/SIGNATURE) Tim Burmeier

LAB H2M

COOLER 3 of 34

PAGE 3 of 4

DELIVERY SERVICE: Fed-ex AIRBILL NO.:

TESTS: TCL VOCs, TAL Metals, PCBs/SVOCs

BOTTLE TYPE AND PRESERVATIVE: 2oz Amber, 2oz Amber, 8oz Ambers, 1L Amber, 500ml w/ HNO_3, 40ml Vials

LOCATION IDENTIFIER	DATE	TIME	COMP/ GRAB	SAMPLE ID	MATRIX	TOTAL NO.# OF CONTAINERS	REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO.# (IRPIMS ONLY)
MW-3	5/14/13	13:23	G	MW3(0-2)	SO	4	1305795-002	N	0	2	
MW3	5/14/13	13:32	G	MW3(2-4)	SO	4	003	N	2	4	
MW3	5/14/13	13:37	G	MW3(0-0.5)	SO	4	001	N	0	0.5	
MW3	5/14/13	13:44	G	MW3(4-6)	SO	4	004	N	4	6	
MW3	5/14/13	14:26	G	MW3(6-8)	SO	1	005	N	6	8	
MW3	5/14/13	14:00	G	RB1(6-8)	RB	4	Rinse Blank	RB#	6	8	
MW3	5/14/13	14:20	G	MW3(8-10)	SO	4	006	N	8	10	
MW3	5/14/13	14:32	G	MW3(10-12)	SO	4	007	N	10	12	
MW3	5/14/13	14:40	G	MW3(12-14)	SO	4	008	N	12	14	
MW3	5/14/13	14:48	G	MW3(14-16)	SO	4	009	N	14	16	
MW3	5/14/13	14:58	G	MW3(16-18)	SO	4	010	N	16	18	
MW3	5/14/13	15:13	G	MW3(18-20)	SO	4	011	N	18	20	

MATRIX CODES: AA - AMBIENT AIR; SE - SEDIMENT; SH - HAZARDOUS SOLID WASTE; SL - SLUDGE; WP - DRINKING WATER; WW - WASTE WATER; WG - GROUND WATER; SO - SOIL; DC - DRILL CUTTINGS; WL - LEACHATE; GS - SOIL GAS; WC - DRILLING WATER; WO - OCEAN WATER; WS - SURFACE WATER; WQ - WATER FIELD QC; LH - HAZARDOUS LIQUID WASTE; LF - FLOATING/FREE PRODUCT ON GW TABLE

SAMPLE TYPE CODES: TB# - TRIP BLANK; SD# - MATRIX SPIKE DUPLICATE; RB# - RINSE BLANK; FR# - FIELD REPLICATE; N# - NORMAL ENVIRONMENTAL SAMPLE; MS# - MATRIX SPIKE; (# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
[signature]	5/14/13	330	[signature]	5/15/13	11:00
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME
				5/15/13	

SPECIAL INSTRUCTIONS: QUESTIONS CALL GEORGE KISLIK 716-856-5636

Distribution: Original accompanies shipment, copy to coordinator field files

URSF-075C/1 OF 1/CofCR/GCM

URS150 A13

URS149/150

CHAIN OF CUSTODY RECORD

URS

PROJECT NO. 11176892.00002 | SITE NAME Old Agway Store

SAMPLERS (PRINT/SIGNATURE) Tim Burmeier/

DELIVERY SERVICE: Fed Ex AIRBILL NO.:

LAB H2M

COOLER 1 of 3

PAGE 1 of

TESTS: TCL VOCs / TAL Metals (Dissolved) / PCBs / SVOCs

BOTTLE TYPE AND PRESERVATIVE: 10oz Clear Jar 4°C / 2oz Amber 4°C / 8oz Amber

LOCATION IDENTIFIER	DATE	TIME	COMP/ GRAB	SAMPLE ID	MATRIX	TOTAL NO. OF CONTAINERS	10oz Clear Jar 4°C	2oz Amber 4°C	8oz Amber			REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO.# (IRPIMS ONLY)
SB-1	5/15/13	0850	G	SB1 (2-4)	SO	4	1	2	1	↑ URS150	1305932-001	Soil boring	N	0	2	
SB-1	5/15/13	0856	G	SB1 (2-4)	SO	4	1	2	1		2		N	2	4	
SB-1	5/15/13	0915	G	SB1 (4-6)	SO	4	1	2	1		3		N	4	6	
SB-1	5/15/13	0925	G	SB1 (6-8)	SO	4	1	2	1		4		N	6	8	
SB-1	5/15/13	0932	G	SB1 (8-10)	SO	4	1	2	1		5		N	8	10	
SB-1	5/15/13	0952	G	SB1 (10-12)	SO	4	1	2	1		6		N	10	12	
SB-1	5/15/13	1004	G	SB1 (12-14)	SO	4	1	2	1		7		N	12	14	
SB1	5/15/13	1015	G	SB1 (14-16)	SO	4	1	2	1		8		N	14	16	
SB1	5/15/13	1020	G	SB1 (16-18)	SO	4	1	2	1		9		N	16	18	
SB1	5/15/13	1034	G	SB1 (18-20)	SO	4	1	2	1	↑ URS151	1305934-001		N	18	20	
SB1	5/15/13	1056	G	SB1 (20-22) MS/MSD	SO	4	1	2	1		2		N	20	22	
SB2	5/15/13	1430	G	SB2 (0-2)	SO	4	1	2	1	URS151	3		N	0	2	
SB2	5/15/13	1436	G	SB2 (2-4)	SO	4	1	2	1	↓	4		N	2	4	

2:45 mcw 4-7-13

MATRIX CODES: AA - AMBIENT AIR; SE - SEDIMENT; SH - HAZARDOUS SOLID WASTE; SL - SLUDGE; WP - DRINKING WATER; WW - WASTE WATER; WG - GROUND WATER; SO - SOIL; DC - DRILL CUTTINGS; WL - LEACHATE; GS - SOIL GAS; WC - DRILLING WATER; WO - OCEAN WATER; WS - SURFACE WATER; WQ - WATER FIELD QC; LH - HAZARDOUS LIQUID WASTE; LF - FLOATING/FREE PRODUCT ON GW TABLE

SAMPLE TYPE CODES: TB# - TRIP BLANK; SD# - MATRIX SPIKE DUPLICATE; RB# - RINSE BLANK; FR# - FIELD REPLICATE; N# - NORMAL ENVIRONMENTAL SAMPLE; MS# - MATRIX SPIKE; (# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
Tim Burmeier	5/16/13	0900		5-17-13	11:00
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME

Cooler temp 14.6 °C
IR gun 122336969 / 122076478
pH strips (10BDH0431) ≤2 ~~3 9~~ ≥12
Free Cl2 strips(041912C)Present/Absent
Lot#

Distribution: Original accompanies shipment, copy to coordinator field files

URSF-075C/1 OF 1/CofCR/GCM

URS150 A21

H 2 M labs

H2M LABS INC
575 Broad Hollow Rd.
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.h2mlabs.com

URS150

Sample Receipt Checklist

Client Name **URS** Date and Time Received: **5/17/2013 11:00:00 AM**

Work Order Number: **1305932** RcptNo: 1 Received by **MelissaWatson**

Completed by: M - Wat Reviewed by: Jennifer Ar

Completed Date: 5/20/2013 Reviewed Date: 5/21/2013 6:00:40 PM

Carrier name: FedEx

Chain of custody present?	Yes ☑	No ☐			
Chain of custody signed when relinquished and received?	Yes ☑	No ☐			
Chain of custody agrees with sample labels?	Yes ☑	No ☐			
Are matrices correctly identified on Chain of custody?	Yes ☑	No ☐			
Is it clear what analyses were requested?	Yes ☑	No ☐			
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present	☑	
Samples in proper container/bottle?	Yes ☑	No ☐			
Were correct preservatives used and noted?	Yes ☑	No ☐	NA	☐	
Preservative added to bottles:					
Sample Condition?	Intact ☑	Broken ☐	Leaking	☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐			
Were container labels complete (ID, Pres, Date)?	Yes ☑	No ☐			
All samples received within holding time?	Yes ☑	No ☐			
Was an attempt made to cool the samples?	Yes ☑	No ☐	NA	☐	
All samples received at a temp. of > 0° C to 6.0° C?	Yes ☐	No ☑	NA	☐	
Response when temperature is outside of range:	Approved by client.				
Sample Temp. taken and recorded upon receipt?	Yes ☑	No ☐	15.6 To 17.9 °		
Water - Were bubbles absent in VOC vials?	Yes ☐	No ☐	No Vials	☑	
Water - Was there Chlorine Present?	Yes ☐	No ☐	NA	☑	
Water - pH acceptable upon receipt?	Yes ☐	No ☐	No Water	☑	
Are Samples considered acceptable?	Yes ☑	No ☐			
Custody Seals present?	Yes ☑	No ☐			
Airbill or Sticker?	Air Bill ☑	Sticker ☐	Not Present	☐	
Airbill No:					

Case Number: SDG: URS150 SAS:

Any No response should be detailed in the comments section below, if applicable.

Client Contacted? ☑ Yes ☐ No Person Contacted: Peter

Contact Mode: ☑ Phone: ☐ Fax: ☐ Email: ☐ In Person:

Client Instructions: Proceed with analysis, he will inform the samplers to use more ice.

Date Contacted: 5/17/2013 Contacted By: MelissaWatson

Regarding: Thermal preservation

Comments:

FedEx tracking #s: 8028 4059 9363; 8028 4060 1481; 8028 4059 9580. The samples were received above 6 degrees Celsius.

CorrectiveAction:

URS150 A22

H 2 M labs

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR VOLATILE ORGANICS
SAMPLES RECEIVED: 5/15/13 & 5/17/13
SDG #: URS150

For Sample(s):

MW-3 (0-0.5)	MW-3 (14-16)	SB-1 (4-6)
MW-3 (0-2)	MW-3 (16-18)	SB-1 (6-8)
MW-3 (2-4)	MW-3 (18-20)	SB-1 (8-10)
MW-3 (8-10)	RB-1 (6-8)	SB-1 (10-12)
MW-3 (10-12)	SB-1 (0-2)	SB-1 (14-16)
MW-3 (12-14)	SB-1 (2-4)	SB-1 (16-18)

The above sample(s) and blank(s) was/were analyzed for a select list of volatile organic analytes by EPA method 8260B.

All Q. C. data and calibrations met the requirements of the method unless discussed below, and no problems were encountered with sample analysis. The following should be noted:

No matrix spike/matrix spike duplicate was submitted, but lab fortified blanks (LFB) were analyzed. All percent recoveries for the LFBs were within Q. C. limits except for high recoveries for 1,2-dichloroethane and 1,1,2-trichloroethane in LFB51813. If found in the samples, results for these analytes are regarded estimated.

Due to the matrix, low internal standard areas were found in sample MW-3 (18-20). Matrix interference was confirmed by re-analyses. The same sample also had surrogate recoveries outside Q.C. limits in the original analyses as well as the re-analyses. Both sets of data are reported.

Linear responses with average RFs or linear or quadratic regression calibration were used as required.

In the continuing calibration verifications (CCVs), some compounds exceeded the variability criterion for 8260B of %D of 15%. These compounds are noted on Form VII. Results for these analytes are regarded estimated and are flagged with a "Z" qualifier in the LFB and if found in samples associated with that continuous calibration.

Samples were collected as bulk samples and may be biased low.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: June 18, 2013

****
*
*
****

Joann M. Slavin
Senior Vice President

URS150 A3

2B

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS150

Level: (low/med) LOW

	EPA SAMPLE NO.	SMC1 TOL #	SMC2 BFB #	SMC3 DCA #	OTHER	TOT OUT
01	VBLK051713	89	88	98		0
02	LFB051713	86	92	101		0
03	MW-3 (0-0.5)	88	88	106		0
04	MW-3 (0-2)	89	88	104		0
05	MW-3 (8-10)	91	89	111		0
06	MW-3 (10-12)	86	88	105		0
07	MW-3 (12-14)	90	92	107		0
08	MW-3 (14-16)	89	89	112		0
09	MW-3 (16-18)	90	90	110		0
10	VBLK051813	85	94	110		0
11	LFB051813	83	91	109		0
12	MW-3 (2-4)	85	80	106		0
13	MW-3 (18-20)	199 *	4 *	97		2
14	MW-3 (18-20) RE	180 *	7 *	100		2
15	SB-1 (0-2)	82	93	114		0
16	SB-1 (2-4)	81	89	117		0
17	VBLK052013	95	91	93		0
18	LFB052013	90	91	94		0
19	SB-1 (4-6)	95	88	98		0
20	SB-1 (6-8)	93	88	98		0
21	SB-1 (8-10)	92	88	97		0
22	SB-1 (10-12)	92	90	98		0
23	SB-1 (14-16)	95	88	96		0
24	SB-1 (16-18)	97	86	94		0

			QC Limit
SMC 1	TOL	= Toluene-d8	(43-157)
SMC 2	BFB	= 4-Bromofluorobenzene	(34-145)
SMC 3	DCA	= 1,2-Dichloroethane-d4	(33-150)

Column to be used to flag recovery values

* Values outside of contract required QC limits

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK051813

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS150

Matrix: (soil/water) SOIL Lab Sample ID: VBLK051813

Sample wt/vol: 5 (g/mL) G Lab File ID: A\A78664.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 05/18/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	4	J
75-15-0	Carbon disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U

URS150 V289

4A

EPA SAMPLE NO.

VOLATILE METHOD BLANK SUMMARY

VBLK051813

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS150

Lab File ID: A\A78664.D Lab Sample ID: VBLK051813

Date Analyzed: 05/18/13 Time Analyzed: 17:09

GC Column: Rtx-624 ID: .18 (mm) Heated Purge: (Y/N) Y

Instrument ID: HP5971

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LFB051813	LFB051813	A\A78665.D	17:39
02	MW-3 (2-4)	1305795-003A	A\A78666.D	18:12
03	MW-3 (18-20)	1305795-011A	A\A78668.D	19:13
04	MW-3 (18-20)RE	1305795-011ARE	A\A78670.D	20:13
05	SB-1 (0-2)	1305932-001A	A\A78683.D	2:52
06	SB-1 (2-4)	1305932-002A	A\A78684.D	3:23

COMMENTS: _____

_____

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS150

Lab File ID: A\A78638.D BFB Injection Date: 05/17/13

Instrument ID: HP5971 BFB Injection Time: 16:37

GC Column: Rtx-624 ID: .18 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.5
75	30.0 - 60.0% of mass 95	46.1
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	66.6
175	5.0 - 9.0% of mass 174	4.4 (6.6)1
176	95.0 - 101.0% of mass 174	65.8 (98.8)1
177	5.0 - 9.0% of mass 176	3.8 (5.8)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050	VSTD050	A\A78639.D	05/17/13	17:44
02	VBLK051713	VBLK051713	A\A78640.D	05/17/13	18:15
03	LFB051713	LFB051713	A\A78641.D	05/17/13	18:45
04	MW-3 (0-0.5)	1305795-001A	A\A78654.D	05/18/13	1:26
05	MW-3 (0-2)	1305795-002A	A\A78655.D	05/18/13	1:56
06	MW-3 (8-10)	1305795-006A	A\A78656.D	05/18/13	2:26
07	MW-3 (10-12)	1305795-007A	A\A78657.D	05/18/13	2:57
08	MW-3 (12-14)	1305795-008A	A\A78658.D	05/18/13	3:27
09	MW-3 (14-16)	1305795-009A	A\A78659.D	05/18/13	3:57
10	MW-3 (16-18)	1305795-010A	A\A78660.D	05/18/13	4:28

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS150

Instrument ID: HP5971 Calibration Date: 05/17/13 Time: 17:44

Lab File ID: A\A78639.D Init. Calib. Date(s): 05/15/13 05/16/13

EPA Sample No.(VSTD050##): VSTD050 Init. Calib. Times: 21:44 0:15

Heated Purge: (Y/N) Y

GC Column: Rtx-624 ID: .18 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	3.772	3.577		-5.2	
Chloromethane	4.002	4.137	0.100	3.4	
Vinyl chloride	3.770	3.883		3.0	20.0
Bromomethane	1.278	1.409		10.3	
Chloroethane	2.288	2.189		-4.3	
Trichlorofluoromethane	3.685	3.466		-5.9	
1,1-Dichloroethene	2.655	2.681		1.0	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	2.863	2.746		-4.1	
Acetone	0.571	0.630		10.3	
Carbon disulfide	10.049	10.792		7.4	
Methyl Acetate	1.824	2.027		11.1	
Methylene chloride	3.622	3.905		7.8	
trans-1,2-Dichloroethene	3.072	3.323		8.2	
Methyl tert-butyl ether	6.141	7.417		20.8	
1,1-Dichloroethane	5.254	5.787	0.100	10.2	
cis-1,2-Dichloroethene	3.188	3.533		10.8	
2-Butanone	0.926	1.175		26.9	
Chloroform	4.878	5.215		6.9	20.0
1,1,1-Trichloroethane	0.562	0.554		-1.4	
Cyclohexane	0.853	0.837		-1.9	
Carbon tetrachloride	0.482	0.459		-4.7	
Benzene	1.801	1.853		2.9	
1,2-Dichloroethane	2.682	3.203		19.4	
Trichloroethene	0.477	0.455		-4.5	
Methylcyclohexane	0.781	0.709		-9.2	
1,2-Dichloropropane	0.452	0.491		8.5	20.0
Bromodichloromethane	0.504	0.552		9.4	
cis-1,3-Dichloropropene	0.642	0.720		12.1	
4-Methyl-2-pentanone	0.419	0.463		10.4	
Toluene	2.129	1.959		-8.0	20.0
trans-1,3-Dichloropropene	0.540	0.635		17.7	
1,1,2-Trichloroethane	0.310	0.357		15.3	
Tetrachloroethene	0.430	0.364		-15.4	
2-Hexanone	0.256	0.298		16.3	
Dibromochloromethane	0.333	0.376		13.0	

All other compounds must meet a minimum RRF of 0.010.

URS150 V223

7B

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS150

Instrument ID: HP5971 Calibration Date: 05/17/13 Time: 17:44

Lab File ID: A\A78639.D Init. Calib. Date(s): 05/15/13 05/16/13

EPA Sample No.(VSTD050##): VSTD050 Init. Calib. Times: 21:44 0:15

Heated Purge: (Y/N) Y

GC Column: Rtx-624 ID: .18 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
1,2-Dibromoethane	0.373	0.408		9.5	
Chlorobenzene	1.370	1.288	0.300	-6.0	
Ethylbenzene	0.706	0.667		-5.6	20.0
Xylene (total)	0.839	0.804		-4.2	
Styrene	1.248	1.262		1.1	
Bromoform	0.180	0.224	0.100	24.6	
Isopropylbenzene	2.151	2.010		-6.6	
1,1,2,2-Tetrachloroethane	0.436	0.514	0.300	17.9	
1,3-Dichlorobenzene	0.893	0.870		-2.6	
1,4-Dichlorobenzene	0.914	0.881		-3.6	
1,2-Dichlorobenzene	0.801	0.808		0.9	
1,2-Dibromo-3-chloropropane	0.050	0.060		20.1	
1,2,4-Trichlorobenzene	0.257	0.230		-10.5	

All other compounds must meet a minimum RRF of 0.010.

URS150 V224

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS150

Lab File ID: A\A78662.D BFB Injection Date: 05/18/13

Instrument ID: HP5971 BFB Injection Time: 15:28

GC Column: Rtx-624 ID: .18 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.0
75	30.0 - 60.0% of mass 95	45.9
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.1 (0.2)1
174	Greater than 50.0% of mass 95	67.0
175	5.0 - 9.0% of mass 174	5.2 (7.7)1
176	95.0 - 101.0% of mass 174	65.6 (97.8)1
177	5.0 - 9.0% of mass 176	4.0 (6.2)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050	VSTD050	A\A78663.D	05/18/13	16:29
02	VBLK051813	VBLK051813	A\A78664.D	05/18/13	17:09
03	LFB051813	LFB051813	A\A78665.D	05/18/13	17:39
04	MW-3 (2-4)	1305795-003A	A\A78666.D	05/18/13	18:12
05	MW-3 (18-20)	1305795-011A	A\A78668.D	05/18/13	19:13
06	MW-3 (18-20)RE	1305795-011ARE	A\A78670.D	05/18/13	20:13
07	SB-1 (0-2)	1305932-001A	A\A78683.D	05/19/13	2:52
08	SB-1 (2-4)	1305932-002A	A\A78684.D	05/19/13	3:23

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS150

Instrument ID: HP5971 Calibration Date: 05/18/13 Time: 16:29

Lab File ID: A\A78663.D Init. Calib. Date(s): 05/15/13 05/16/13

EPA Sample No.(VSTD050##): VSTD050 Init. Calib. Times: 21:44 0:15

Heated Purge: (Y/N) Y

GC Column: Rtx-624 ID: .18 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	3.772	3.964		5.1	
Chloromethane	4.002	4.577	0.100	14.4	
Vinyl chloride	3.770	4.191		11.2	20.0
Bromomethane	1.278	1.485		16.2	
Chloroethane	2.288	2.489		8.8	
Trichlorofluoromethane	3.685	3.745		1.6	
1,1-Dichloroethene	2.655	2.755		3.8	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	2.863	2.960		3.4	
Acetone	0.571	0.760		33.0	
Carbon disulfide	10.049	10.930		8.8	
Methyl Acetate	1.824	2.243		23.0	
Methylene chloride	3.622	3.663		1.1	
trans-1,2-Dichloroethene	3.072	3.282		6.8	
Methyl tert-butyl ether	6.141	7.793		26.9	
1,1-Dichloroethane	5.254	6.011	0.100	14.4	
cis-1,2-Dichloroethene	3.188	3.505		10.0	
2-Butanone	0.926	1.414		52.7	
Chloroform	4.878	5.619		15.2	20.0
1,1,1-Trichloroethane	0.562	0.579		3.0	
Cyclohexane	0.853	0.929		8.9	
Carbon tetrachloride	0.482	0.478		-0.8	
Benzene	1.801	1.938		7.6	
1,2-Dichloroethane	2.682	3.566		33.0	
Trichloroethene	0.477	0.481		0.9	
Methylcyclohexane	0.781	0.800		2.5	
1,2-Dichloropropane	0.452	0.535		18.3	20.0
Bromodichloromethane	0.504	0.605		20.0	
cis-1,3-Dichloropropene	0.642	0.795		23.8	
4-Methyl-2-pentanone	0.419	0.527		25.7	
Toluene	2.129	1.941		-8.8	20.0
trans-1,3-Dichloropropene	0.540	0.695		28.8	
1,1,2-Trichloroethane	0.310	0.393		26.9	
Tetrachloroethene	0.430	0.350		-18.6	
2-Hexanone	0.256	0.345		34.7	
Dibromochloromethane	0.333	0.402		20.9	

All other compounds must meet a minimum RRF of 0.010.

URS150 V229

7B

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS150

Instrument ID: HP5971 Calibration Date: 05/18/13 Time: 16:29

Lab File ID: A\A78663.D Init. Calib. Date(s): 05/15/13 05/16/13

EPA Sample No.(VSTD050##): VSTD050 Init. Calib. Times: 21:44 0:15

Heated Purge: (Y/N) Y

GC Column: Rtx-624 ID: .18 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
1,2-Dibromoethane	0.373	0.403		8.1	
Chlorobenzene	1.370	1.269	0.300	-7.4	
Ethylbenzene	0.706	0.639		-9.5	20.0
Xylene (total)	0.839	0.783		-6.7	
Styrene	1.248	1.225		-1.9	
Bromoform	0.180	0.230	0.100	27.9	
Isopropylbenzene	2.151	1.933		-10.1	
1,1,2,2-Tetrachloroethane	0.436	0.514	0.300	17.9	
1,3-Dichlorobenzene	0.893	0.820		-8.2	
1,4-Dichlorobenzene	0.914	0.803		-12.2	
1,2-Dichlorobenzene	0.801	0.744		-7.1	
1,2-Dibromo-3-chloropropane	0.050	0.058		16.1	
1,2,4-Trichlorobenzene	0.257	0.202		21.4	

All other compounds must meet a minimum RRF of 0.010.

URS150 V230

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS150

Lab File ID: A\A78688.D BFB Injection Date: 05/20/13

Instrument ID: HP5971 BFB Injection Time: 13:58

GC Column: Rtx-624 ID: .18 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.5
75	30.0 - 60.0% of mass 95	45.4
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	68.2
175	5.0 - 9.0% of mass 174	4.7 (7.0)1
176	95.0 - 101.0% of mass 174	68.7 (100.7)1
177	5.0 - 9.0% of mass 176	3.9 (5.6)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050	VSTD050	A\A78689.D	05/20/13	14:11
02	VBLK052013	VBLK052013	A\A78690.D	05/20/13	14:43
03	LFB052013	LFB052013	A\A78691.D	05/20/13	15:13
04	SB-1 (4-6)	1305932-003A	A\A78692.D	05/20/13	15:49
05	SB-1 (6-8)	1305932-004A	A\A78693.D	05/20/13	16:20
06	SB-1 (8-10)	1305932-005A	A\A78694.D	05/20/13	16:50
07	SB-1 (10-12)	1305932-006A	A\A78695.D	05/20/13	17:20
08	SB-1 (14-16)	1305932-008A	A\A78696.D	05/20/13	17:51
09	SB-1 (16-18)	1305932-009A	A\A78697.D	05/20/13	18:21

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS150

Instrument ID: HP5971 Calibration Date: 05/20/13 Time: 14:11

Lab File ID: A\A78689.D Init. Calib. Date(s): 05/15/13 05/16/13

EPA Sample No.(VSTD050##): VSTD050 Init. Calib. Times: 21:44 0:15

Heated Purge: (Y/N) Y

GC Column: Rtx-624 ID: .18 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	3.772	2.716		-28.0	
Chloromethane	4.002	3.937	0.100	-1.6	
Vinyl chloride	3.770	3.336		-11.5	20.0
Bromomethane	1.278	1.377		7.8	
Chloroethane	2.288	1.974		-13.7	
Trichlorofluoromethane	3.685	2.995		-18.7	
1,1-Dichloroethene	2.655	2.388		-10.0	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	2.863	2.412		-15.8	
Acetone	0.571	0.559		-2.1	
Carbon disulfide	10.049	9.373		-6.7	
Methyl Acetate	1.824	1.884		3.3	
Methylene chloride	3.622	3.545		-2.1	
trans-1,2-Dichloroethene	3.072	2.893		-5.8	
Methyl tert-butyl ether	6.141	6.706		9.2	
1,1-Dichloroethane	5.254	5.276	0.100	0.4	
cis-1,2-Dichloroethene	3.188	3.174		-0.4	
2-Butanone	0.926	1.089		17.6	
Chloroform	4.878	4.827		-1.0	20.0
1,1,1-Trichloroethane	0.562	0.554		-1.4	
Cyclohexane	0.853	0.797		-6.6	
Carbon tetrachloride	0.482	0.457		-5.1	
Benzene	1.801	1.927		7.0	
1,2-Dichloroethane	2.682	3.015		12.4	
Trichloroethene	0.477	0.473		-0.8	
Methylcyclohexane	0.781	0.703		-9.9	
1,2-Dichloropropane	0.452	0.513		13.4	20.0
Bromodichloromethane	0.504	0.575		14.0	
cis-1,3-Dichloropropene	0.642	0.747		16.4	
4-Methyl-2-pentanone	0.419	0.493		17.6	
Toluene	2.129	2.127		-0.1	20.0
trans-1,3-Dichloropropene	0.540	0.648		20.1	
1,1,2-Trichloroethane	0.310	0.360		16.3	
Tetrachloroethene	0.430	0.370		-14.0	
2-Hexanone	0.256	0.317		23.7	
Dibromochloromethane	0.333	0.377		13.4	

All other compounds must meet a minimum RRF of 0.010.

URS150 V235

7B

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS150

Instrument ID: HP5971 Calibration Date: 05/20/13 Time: 14:11

Lab File ID: A\A78689.D Init. Calib. Date(s): 05/15/13 05/16/13

EPA Sample No.(VSTD050##): VSTD050 Init. Calib. Times: 21:44 0:15

Heated Purge: (Y/N) Y

GC Column: Rtx-624 ID: .18 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
1,2-Dibromoethane	0.373	0.439		17.8	
Chlorobenzene	1.370	1.394	0.300	1.7	
Ethylbenzene	0.706	0.711		0.7	20.0
Xylene (total)	0.839	0.855		1.8	
Styrene	1.248	1.398		12.0	
Bromoform	0.180	0.214	0.100	19.0	
Isopropylbenzene	2.151	2.058		-4.3	
1,1,2,2-Tetrachloroethane	0.436	0.530	0.300	21.6	
1,3-Dichlorobenzene	0.893	0.956		7.1	
1,4-Dichlorobenzene	0.914	0.964		5.4	
1,2-Dichlorobenzene	0.801	0.877		9.5	
1,2-Dibromo-3-chloropropane	0.050	0.065		30.1	
1,2,4-Trichlorobenzene	0.257	0.262		1.9	

All other compounds must meet a minimum RRF of 0.010.

URS150 V236

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS150

Lab File ID: 13\G19108. BFB Injection Date: 05/16/13

Instrument ID: HP5972-2 BFB Injection Time: 11:40

GC Column: Rtx-624 ID: .18 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.7
75	30.0 - 60.0% of mass 95	43.1
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	85.7
175	5.0 - 9.0% of mass 174	6.2 (7.2)1
176	95.0 - 101.0% of mass 174	84.6 (98.8)1
177	5.0 - 9.0% of mass 176	5.7 (6.8)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050	VSTD050	13\G19109A	05/16/13	11:53
02	VBLK051613	VBLK051613	13\G19110A	05/16/13	12:23
03	RB-1 (6-8)	1305795-012A	13\G19113.	05/16/13	13:52

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS150

Instrument ID: HP5972-2 Calibration Date: 05/16/13 Time: 11:53

Lab File ID: 13\G19109A Init. Calib. Date(s): 03/16/13 03/16/13

EPA Sample No.(VSTD050##): VSTD050 Init. Calib. Times: 14:38 18:06

Heated Purge: (Y/N) N

GC Column: Rtx-624 ID: .18 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	3.043	1.717		-43.6	
Chloromethane	3.649	3.525	0.100	-3.4	
Vinyl chloride	3.320	3.254		-2.0	20.0
Bromomethane	1.674	2.082		24.4	
Chloroethane	1.941	2.250		15.9	
Trichlorofluoromethane	2.727	2.882		5.7	
1,1-Dichloroethene	1.868	1.908		2.1	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.897	1.728		-8.9	
Acetone	1.018	1.138		11.8	
Carbon disulfide	7.631	7.368		-3.4	
Methyl Acetate	2.773	3.050		10.0	
Methylene chloride	2.665	2.833		6.3	
trans-1,2-Dichloroethene	2.095	2.301		9.8	
Methyl tert-butyl ether	7.087	8.288		16.9	
1,1-Dichloroethane	4.474	3.483	0.100	-22.1	
cis-1,2-Dichloroethene	2.239	2.648		18.3	
2-Butanone	1.656	2.075		25.3	
Chloroform	3.716	4.175		12.3	20.0
1,1,1-Trichloroethane	0.511	0.501		-1.9	
Cyclohexane	0.720	0.585		-18.7	
Carbon tetrachloride	0.421	0.406		-3.5	
Benzene	1.601	1.638		2.3	
1,2-Dichloroethane	3.325	3.757		13.0	
Trichloroethene	0.399	0.414		3.7	
Methylcyclohexane	0.449	0.383		-14.8	
1,2-Dichloropropane	0.471	0.492		4.6	20.0
Bromodichloromethane	0.539	0.583		8.1	
cis-1,3-Dichloropropene	0.680	0.675		-0.7	
4-Methyl-2-pentanone	0.752	0.831		10.5	
Toluene	1.667	1.581		-5.2	20.0
trans-1,3-Dichloropropene	0.667	0.668		0.1	
1,1,2-Trichloroethane	0.359	0.400		11.4	
Tetrachloroethene	0.294	0.270		-8.3	
2-Hexanone	0.513	0.603		17.4	
Dibromochloromethane	0.392	0.455		16.0	

All other compounds must meet a minimum RRF of 0.010.

URS150 V269

7B

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS150

Instrument ID: HP5972-2 Calibration Date: 05/16/13 Time: 11:53

Lab File ID: 13\G19109A Init. Calib. Date(s): 03/16/13 03/16/13

EPA Sample No.(VSTD050##): VSTD050 Init. Calib. Times: 14:38 18:06

Heated Purge: (Y/N) N

GC Column: Rtx-624 ID: .18 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
1,2-Dibromoethane	0.434	0.455		4.9	
Chlorobenzene	1.087	1.079	0.300	-0.7	
Ethylbenzene	0.533	0.502		-5.7	20.0
Xylene (total)	0.651	0.637		-2.2	
Styrene	1.067	1.062		-0.5	
Bromoform	0.252	0.314	0.100	24.7	
Isopropylbenzene	1.551	1.431		-7.7	
1,1,2,2-Tetrachloroethane	0.565	0.595	0.300	5.3	
1,3-Dichlorobenzene	0.737	0.774		5.0	
1,4-Dichlorobenzene	0.764	0.806		5.5	
1,2-Dichlorobenzene	0.714	0.761		6.6	
1,2-Dibromo-3-chloropropane	0.096	0.096		-0.5	
1,2,4-Trichlorobenzene	0.374	0.358		-4.3	

All other compounds must meet a minimum RRF of 0.010.

URS150 V270

H2M labs

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR SEMIVOLATILE ORGANICS
SAMPLES RECEIVED: 5/15/13 & 5/17/13
SDG #: URS150

For Sample(s):

MW-3 (0-0.5)	MW-3 (12-14)	SB-1 (4-6)
MW-3 (0-2)	MW-3 (14-16)	SB-1 (6-8)
MW-3 (2-4)	MW-3 (16-18)	SB-1 (8-10)
MW-3 (4-6)	MW-3 (18-20)	SB-1 (10-12)
MW-3 (6-8)	RB-1 (6-8)	SB-1 (12-14)
MW-3 (8-10)	SB-1 (0-2)	SB-1 (14-16)
MW-3 (10-12)	SB-1 (2-4)	SB-1 (16-18)

The above soil sample(s) and blanks was/were analyzed for a select list of base/neutral extractables by EPA method 8270C.

All Q. C. data and calibrations met the requirements of the method unless discussed below, and no problems were encountered with sample analysis. The following should be noted:

All soil extracts were subjected to GPC cleanup.

No sample was analyzed as matrix spike/ matrix spike duplicate (MS/MSD). All percent recoveries for the lab fortified blanks were within Q. C. limits with the exception of slightly low recoveries for acetophenone in the soil LFBs. Reported results for that analyte are regarded estimated.

All CCC and SPCC calibration requirements were met. In the initial calibrations, average response factors were employed as applicable, and linear or quadratic regression functions were used for RSDs above 15%. No acceptable functions were found for benzaldehyde, acetophenone, atrazine and dibenzo(a,h) anthrathene. Linear calibration was used for these analytes, and results are regarded estimated and are flagged in the LFB report with the qualifier "Z". The compounds were not found in the samples.

In the continuing calibration verifications (CCV) some compounds had %Ds above 15%. These compounds are noted on Form VII. Results for these analytes are flagged with a "Z" qualifier in the LFB, indicating that they are regarded estimated. None of the compounds were found in the samples with the exception of acetophenone.

The method blank for water contained bis(2-ethylhexyl)phthalate below reporting limit and several unidentified TICs at low levels. The soil method blanks contained high concentrations of aldols and some other unknown TICs. All analytes found in the blanks were flagged with the qualifier "B" in the associated samples.

H2M labs

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR SEMIVOLATILE ORGANICS
SAMPLES RECEIVED: 5/15/13 & 5/17/13
SDG #: URS150

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: June 10, 2013

****
* *
* *
****
Ursula Middel
Technical Manager

3A

SYSTEM MONITORING SPIKE RECOVERY

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No.: URS SAS No.: SDG No.: URS150

Sample ID LFB-39692 Level: (low/med) LOW

Column ID Rxi-5SILMS Column Diam 0.25

Inst. ID HP5973N Init. Calib. Date(s): 05/10/13 10:26

Analysis Date: 05/21/13 14:07 05/10/13 14:18

COMPOUND	SPIKE ADDED (µg/Kg)	SAMPLE CONCENTRATION (µg/Kg)	SPIKE CONCENTRATION (µg/Kg)	SPIKE % REC #	QC. LIMITS REC.
Benzaldehyde	1700	0	1400	86	10-226
Phenol	1700	0	1200	75	38-104
Bis(2-chloroethyl)ether	1700	0	1100	66	32-116
2-Chlorophenol	1700	0	1200	73	36-109
2-Methylphenol	1700	0	1100	66	36-104
2,2'-oxybis(1-chloropropane)	1700	0	700	42	33-116
Acetophenone	1700	0	920	55*	60-140
4-Methylphenol	1700	0	1000	63	26-119
N-Nitroso-di-n-propylamine	1700	0	1000	63	33-109
Hexachloroethane	1700	0	1100	65	34-105
Nitrobenzene	1700	0	1100	65	36-119
Isophorone	1700	0	1200	70	14-129
2-Nitrophenol	1700	0	1300	79	36-117
2,4-Dimethylphenol	1700	0	280	17*	24-96
Bis(2-chloroethoxy)methane	1700	0	1200	75	29-112
2,4-Dichlorophenol	1700	0	1400	87	41-117
Naphthalene	1700	0	1200	75	18-142
4-Chloroaniline	1700	0	850	51	29-88
Hexachlorobutadiene	1700	0	1300	76	36-118
Caprolactam	1700	0	1400	86	40-105
4-Chloro-3-methylphenol	1700	0	1400	82	45-118
2-Methylnaphthalene	1700	0	1400	85	31-135
Hexachlorocyclopentadiene	1700	0	910	55	10-97
2,4,6-Trichlorophenol	1700	0	1300	81	45-110
2,4,5-Trichlorophenol	1700	0	1400	86	45-111
1,1'-Biphenyl	1700	0	1300	75	51-99
2-Chloronaphthalene	1700	0	1200	73	35-107
2-Nitroaniline	1700	0	1200	73	42-118
Dimethylphthalate	1700	0	1400	81	49-112
2,6-Dinitrotoluene	1700	0	1400	85	50-109

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 2 out of 64 outside limits

COMMENTS:

3A

SYSTEM MONITORING SPIKE RECOVERY

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No.: URS SAS No.: SDG No.: URS150

Sample ID LFB-39848 Level: (low/med) LOW

Column ID Rxi-5SILMS Column Diam 0.25

Inst. ID HP5973N Init. Calib. Date(s): 05/10/13 10:26

Analysis Date: 05/29/13 19:08 05/10/13 14:18

COMPOUND	SPIKE ADDED (µg/Kg)	SAMPLE CONCENTRATION (µg/Kg)	SPIKE CONCENTRATION (µg/Kg)	SPIKE % REC #	QC. LIMITS REC.
Benzaldehyde	1700	0	1300	79	10-226
Phenol	1700	0	1200	71	38-104
Bis(2-chloroethyl)ether	1700	0	1000	63	32-116
2-Chlorophenol	1700	0	1100	67	36-109
2-Methylphenol	1700	0	1100	67	36-104
2,2´-oxybis(1-chloropropane)	1700	0	670	40	33-116
Acetophenone	1700	0	830	50*	60-140
4-Methylphenol	1700	0	1100	64	26-119
N-Nitroso-di-n-propylamine	1700	0	950	57	33-109
Hexachloroethane	1700	0	1000	62	34-105
Nitrobenzene	1700	0	1000	60	36-119
Isophorone	1700	0	1100	66	14-129
2-Nitrophenol	1700	0	1200	71	36-117
2,4-Dimethylphenol	1700	0	820	49	24-96
Bis(2-chloroethoxy)methane	1700	0	1100	67	29-112
2,4-Dichlorophenol	1700	0	1300	80	41-117
Naphthalene	1700	0	1100	69	18-142
4-Chloroaniline	1700	0	990	60	29-88
Hexachlorobutadiene	1700	0	1100	67	36-118
Caprolactam	1700	0	1300	76	40-105
4-Chloro-3-methylphenol	1700	0	1200	74	45-118
2-Methylnaphthalene	1700	0	1200	72	31-135
Hexachlorocyclopentadiene	1700	0	800	48	10-97
2,4,6-Trichlorophenol	1700	0	1200	74	45-110
2,4,5-Trichlorophenol	1700	0	1300	75	45-111
1,1´-Biphenyl	1700	0	1200	72	51-99
2-Chloronaphthalene	1700	0	1100	67	35-107
2-Nitroaniline	1700	0	1100	64	42-118
Dimethylphthalate	1700	0	1200	73	49-112
2,6-Dinitrotoluene	1700	0	1300	75	50-109

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 1 out of 65 outside limits

COMMENTS:

4B

EPA SAMPLE NO.

SEMIVOLATILE METHOD BLANK SUMMARY

MB-39692

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS150

Lab File ID: 3\N58129.D Lab Sample ID: MB-39692

Instrument ID: HP5973N Date Extracted: 05/15/13

Matrix: (soil/water) SOIL Date Analyzed: 05/21/13

Level:(low/med) LOW Time Analyzed: 13:37

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
1	LFB-39692	LFB-39692	3\N58130.D	5/21/2013
2	MW-3 (0-2)	1305795-002B	3\N58131.D	5/21/2013
3	MW-3 (6-8)	1305795-005B	3\N58132.D	5/21/2013
4	MW-3 (12-14)	1305795-008B	3\N58133.D	5/21/2013
5	MW-3 (14-16)	1305795-009B	3\N58134.D	5/21/2013
6	MW-3 (16-18)	1305795-010B	3\N58135.D	5/21/2013
7	MW-3 (18-20)	1305795-011B	3\N58136.D	5/21/2013
8	MW-3 (2-4)	1305795-003B	3\N58137.D	5/21/2013
9	MW-3 (8-10)	1305795-006B	3\N58138.D	5/21/2013
10	MW-3 (10-12)	1305795-007B	3\N58139.D	5/21/2013
11	MW-3 (0-0.5)	1305795-001B	3\N58140.D	5/21/2013
12	MW-3 (4-6)	1305795-004B	3\N58141.D	5/21/2013

COMMENTS: _____

4B

EPA SAMPLE NO.

SEMIVOLATILE METHOD BLANK SUMMARY

MB-39848

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS150

Lab File ID: 3\N58300.D Lab Sample ID: MB-39848

Instrument ID: HP5973N Date Extracted: 05/25/13

Matrix: (soil/water) SOIL Date Analyzed: 05/29/13

Level: (low/med) LOW Time Analyzed: 18:38

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
1	LFB-39848	LFB-39848	3\N58301.D	5/29/2013
2	SB-1 (0-2)	1305932-001B	3\N58302.D	5/29/2013
3	SB-1 (2-4)	1305932-002B	3\N58303.D	5/29/2013
4	SB-1 (4-6)	1305932-003B	3\N58304.D	5/29/2013
5	SB-1 (8-10)	1305932-005B	3\N58305.D	5/29/2013
6	SB-1 (10-12)	1305932-006B	3\N58306.D	5/29/2013
7	SB-1 (12-14)	1305932-007B	3\N58307.D	5/29/2013
8	SB-1 (14-16)	1305932-008B	3\N58308.D	5/29/2013
9	SB-1 (16-18)	1305932-009B	3\N58309.D	5/29/2013
10	SB-1 (6-8)	1305932-004B	3\N58310.D	5/29/2013

COMMENTS: _____

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS150

Lab File ID: 3\N58124.D DFTPP Injection Date: 05/21/13

Instrument ID: HP5973N DFTPP Injection Time: 11:15

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	31.2
68	Less than 2% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	39.2
70	Less than 2% of mass 69	0.1 (0.3)1
127	40.0 - 60.0% of mass 198	48.9
197	Less than 1% of mass 198	0.3
198	Base peak, 100% relative abundance	100.0
199	5.0 - 9.0% of mass 198	7.0
275	10.0 - 30.0% of mass 198	22.1
365	Greater than 1% of mass 198	2.4
441	Present, but less than mass 443	18.4
442	40.0 - 110.0% of mass 198	102.2
443	17.0 - 23.0% of mass 442	19.1 (18.7)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD025	SSTD025	3\N58125.D	05/21/13	11:34
02	MB-39738	MB-39738	3\N58126.D	05/21/13	12:05
03	LFB-39738	LFB-39738	3\N58127.D	05/21/13	12:35
04	RB-1 (6-8)	1305795-012B	3\N58128.D	05/21/13	13:06
05	MB-39692	MB-39692	3\N58129.D	05/21/13	13:37
06	LFB-39692	LFB-39692	3\N58130.D	05/21/13	14:07
07	MW-3 (0-2)	1305795-002B	3\N58131.D	05/21/13	14:38
08	MW-3 (6-8)	1305795-005B	3\N58132.D	05/21/13	15:09
09	MW-3 (12-14)	1305795-008B	3\N58133.D	05/21/13	15:39
10	MW-3 (14-16)	1305795-009B	3\N58134.D	05/21/13	16:10
11	MW-3 (16-18)	1305795-010B	3\N58135.D	05/21/13	16:41
12	MW-3 (18-20)	1305795-011B	3\N58136.D	05/21/13	17:11
13	MW-3 (2-4)	1305795-003B	3\N58137.D	05/21/13	17:42
14	MW-3 (8-10)	1305795-006B	3\N58138.D	05/21/13	18:13
15	MW-3 (10-12)	1305795-007B	3\N58139.D	05/21/13	18:43
16	MW-3 (0-0.5)	1305795-001B	3\N58140.D	05/21/13	19:14
17	MW-3 (4-6)	1305795-004B	3\N58141.D	05/21/13	19:45

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS150

Instrument ID: HP5973N Calibration Date: 5/21/201 Time: 11:34

Lab File ID: 3\N58125.D Init. Calib. Date(s): 05/10/13 05/10/13

EPA Sample No.(SSTD050##): SSTD025 Init. Calib. Times: 10:26 14:18

GC Column: Rxi-5SILMS ID: 0.25 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Benzaldehyde	0.917	0.645		-29.7	
Phenol	2.202	2.265		2.8	20.0
Bis(2-chloroethyl)ether	1.782	1.553		-12.9	
2-Chlorophenol	1.557	1.558		0.0	
2-Methylphenol	1.403	1.391		-0.9	
2,2'-oxybis(1-chloropropane)	2.507	1.950		-22.2	
Acetophenone	2.942	2.086		-29.1	
4-Methylphenol	1.563	1.542		-1.4	
N-Nitroso-di-n-propylamine	1.223	1.053	0.050	-13.9	
Hexachloroethane	0.693	0.622		-10.2	
Nitrobenzene	0.447	0.389		-13.0	
Isophorone	0.781	0.717		-8.2	
2-Nitrophenol	0.201	0.213		6.2	20.0
2,4-Dimethylphenol	0.369	0.367		-0.4	
Bis(2-chloroethoxy)methane	0.493	0.470		-4.6	
2,4-Dichlorophenol	0.267	0.296		10.8	20.0
Naphthalene	1.120	1.122		0.2	
4-Chloroaniline	0.443	0.463		4.6	
Hexachlorobutadiene	0.170	0.177		3.9	20.0
Caprolactam	0.113	0.122		8.3	
4-Chloro-3-methylphenol	0.289	0.298		3.1	20.0
2-Methylnaphthalene	0.715	0.736		2.9	
Hexachlorocyclopentadiene	0.314	0.305	0.050	-2.9	
2,4,6-Trichlorophenol	0.335	0.357		6.6	20.0
2,4,5-Trichlorophenol	0.318	0.346		8.8	
1,1'-Biphenyl	1.529	1.583		3.6	
2-Chloronaphthalene	1.220	1.242		1.8	
2-Nitroaniline	0.360	0.307		-14.6	
Dimethylphthalate	1.223	1.224		0.1	
2,6-Dinitrotoluene	0.291	0.302		3.7	
Acenaphthylene	1.892	1.896		0.2	
3-Nitroaniline	0.296	0.317		7.0	
Acenaphthene	1.243	1.235		-0.6	20.0
2,4-Dinitrophenol	0.132	0.113	0.050	-14.1	
4-Nitrophenol	0.121	0.113	0.050	-6.7	
Dibenzofuran	1.582	1.622		2.6	
2,4-Dinitrotoluene	0.369	0.397		7.7	
Diethylphthalate	1.231	1.188		-3.5	

All other compounds must meet a minimum RRF of 0.010.

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS150

Lab File ID: 3\N58291.D DFTPP Injection Date: 05/29/13

Instrument ID: HP5973N DFTPP Injection Time: 14:13

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	30.1
68	Less than 2% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	39.5
70	Less than 2% of mass 69	0.1 (0.2)1
127	40.0 - 60.0% of mass 198	48.6
197	Less than 1% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5.0 - 9.0% of mass 198	6.7
275	10.0 - 30.0% of mass 198	22.4
365	Greater than 1% of mass 198	2.4
441	Present, but less than mass 443	19.6
442	40.0 - 110.0% of mass 198	108.7
443	17.0 - 23.0% of mass 442	20.3 (18.7)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD025	SSTD025	3\N58292.D	05/29/13	14:33
02	MB-39848	MB-39848	3\N58300.D	05/29/13	18:36
03	LFB-39848	LFB-39848	3\N58301.D	05/29/13	19:08
04	SB-1 (0-2)	1305932-001B	3\N58302.D	05/29/13	19:39
05	SB-1 (2-4)	1305932-002B	3\N58303.D	05/29/13	20:09
06	SB-1 (4-6)	1305932-003B	3\N58304.D	05/29/13	20:40
07	SB-1 (8-10)	1305932-005B	3\N58305.D	05/29/13	21:10
08	SB-1 (10-12)	1305932-006B	3\N58306.D	05/29/13	21:41
09	SB-1 (12-14)	1305932-007B	3\N58307.D	05/29/13	22:11
10	SB-1 (14-16)	1305932-008B	3\N58308.D	05/29/13	22:42
11	SB-1 (16-18)	1305932-009B	3\N58309.D	05/29/13	23:12
12	SB-1 (6-8)	1305932-004B	3\N58310.D	05/29/13	23:43

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS150

Instrument ID: HP5973N Calibration Date: 5/29/201 Time: 14:33

Lab File ID: 3\N58292.D Init. Calib. Date(s): 05/10/13 05/10/13

EPA Sample No.(SSTD050##): SSTD025 Init. Calib. Times: 10:26 14:18

GC Column: Rxi-5SILMS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Benzaldehyde	0.917	0.457		-50.2	
Phenol	2.202	2.262		2.7	20.0
Bis(2-chloroethyl)ether	1.782	1.688		-5.3	
2-Chlorophenol	1.557	1.582		1.6	
2-Methylphenol	1.403	1.406		0.2	
2,2'-oxybis(1-chloropropane)	2.507	2.035		-18.8	
Acetophenone	2.942	2.153		-26.8	
4-Methylphenol	1.563	1.575		0.8	
N-Nitroso-di-n-propylamine	1.223	1.098	0.050	-10.2	
Hexachloroethane	0.693	0.653		-5.8	
Nitrobenzene	0.447	0.386		-13.7	
Isophorone	0.781	0.717		-8.2	
2-Nitrophenol	0.201	0.211		5.2	20.0
2,4-Dimethylphenol	0.369	0.358		-2.9	
Bis(2-chloroethoxy)methane	0.493	0.480		-2.6	
2,4-Dichlorophenol	0.267	0.299		11.9	20.0
Naphthalene	1.120	1.126		0.6	
4-Chloroaniline	0.443	0.469		5.9	
Hexachlorobutadiene	0.170	0.173		1.5	20.0
Caprolactam	0.113	0.123		9.2	
4-Chloro-3-methylphenol	0.289	0.296		2.4	20.0
2-Methylnaphthalene	0.715	0.736		2.9	
Hexachlorocyclopentadiene	0.314	0.237	0.050	-24.6	
2,4,6-Trichlorophenol	0.335	0.362		8.1	20.0
2,4,5-Trichlorophenol	0.318	0.353		11.0	
1,1'-Biphenyl	1.529	1.620		6.0	
2-Chloronaphthalene	1.220	1.273		4.4	
2-Nitroaniline	0.360	0.311		-13.5	
Dimethylphthalate	1.223	1.259		3.0	
2,6-Dinitrotoluene	0.291	0.307		5.4	
Acenaphthylene	1.892	1.937		2.4	
3-Nitroaniline	0.296	0.336		13.4	
Acenaphthene	1.243	1.259		1.3	20.0
2,4-Dinitrophenol	0.132	0.135	0.050	2.6	
4-Nitrophenol	0.121	0.116	0.050	-4.2	
Dibenzofuran	1.582	1.657		4.8	
2,4-Dinitrotoluene	0.369	0.391		6.1	
Diethylphthalate	1.231	1.238		0.5	

All other compounds must meet a minimum RRF of 0.010.

Form 6

SVOCS IN SOIL INITIAL CALIBRATION DATA

Lab Name: H2M LABS INC Contract: H2M LABS INC

Lab Code: H2M Case No.: URS SAS No.: SDG No.: URS150

Instrument ID: HP5973N Calibration Dates: 5/10/2013 5/10/2013

Heated Purge: (Y/N) N Calibration Times: 10:26 14:18

GC Column: Rxi-5SILMS ID: 0.25 (mm)

LAB FILE ID: STD001= N57859.D STD005= N57857.D STD010= N57856.D STD025= N57852.D STD040= N57855.D
STD060= N57854.D STD080= N57853.D

COMPOUND	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7				RRF	% RSD	R^2
3-Methylphenol/4-Methylphenol	1.4477457	1.5252549	1.5455665	1.6525435	1.5842693	1.5031925	1.68396052				1.563	5.3	
Benzidine	0	0.1738835	0.2792381	0.3804365	0.3193456	0.3014267	0.27281247				0.288	23.6	
Benzoic acid	0	0	0.0335130	0.0652701	0.0842795	0.0713536	0.08733977				0.068	31.4	
Benzyl alcohol	0.6623727	0.8620544	0.9154058	0.7316159	0.9466763	0.9038714	0.94219442				0.852	13.1	
Octachlorocyclopentene	0	0.1083065	0.1205368	0.1293568	0.141384	0.1503996	0.15676454				0.134	13.7	
Benzaldehyde	1.3735023	0.5475354	1.1380086	1.2711782	0.9928462	0.6591483	0.43580336				0.917	40.4	
Aniline	2.1184293	2.3023092	2.4130776	2.5603874	2.5712510	2.4999158	2.80250004				2.467	8.8	
N-Nitrosodimethylamine	1.1709952	1.1690165	1.1466987	1.1760902	1.1431701	1.0568255	1.13951346				1.143	3.6	
Phenol *	2.0405845	2.1490468	2.1423254	2.1743429	2.3465147	2.1800034	2.38353473				2.202	5.5	*
Bis(2-chloroethyl)ether	1.9782533	1.9817946	1.8032411	1.8392922	1.7288764	1.5204904	1.62547333				1.782	9.7	
Pyridine	2.0325507	2.0257623	1.9723445	2.0690770	1.9822125	1.8429277	1.96773759				1.985	3.7	
2-Chlorophenol	1.5153404	1.5535466	1.5221853	1.5680805	1.5865296	1.4892611	1.66653343				1.557	3.8	
2-Methylphenol	1.3926172	1.4109014	1.4012879	1.4375859	1.4102624	1.3175616	1.45412242				1.403	3.1	
2,2'-oxybis(1-chloropropane)	2.6425653	2.6208878	2.5201047	2.6436584	2.424407	2.2574931	2.43933759				2.507	5.7	
Acetophenone	5.9195235	3.5735007	3.1014083	2.2173643	2.0716006	1.7148628	1.99770276				2.942	50.0	
4-Methylphenol	1.4477457	1.5252549	1.5455665	1.6525435	1.5842693	1.5031925	1.68396052				1.563	5.3	
N-Nitroso-di-n-propylamine *	1.2197521	1.2577638	1.2330054	1.2935606	1.2077488	1.1186444	1.22910180				1.223	4.4	*
Hexachloroethane	0.7416026	0.7084797	0.6695917	0.6940784	0.6848969	0.6387645	0.71278968				0.693	4.8	
Nitrobenzene	0.4571916	0.4636460	0.4286347	0.4518011	0.4433206	0.4236415	0.46225892				0.447	3.6	
Isophorone	0.759779	0.7773823	0.7516978	0.8172535	0.7874491	0.7550581	0.81737565				0.781	3.6	
2-Nitrophenol *	0.1695363	0.1974583	0.1962956	0.20862	0.210351	0.2011526	0.22098392				0.201	8.1	*
2,4-Dimethylphenol	0.3383682	0.3645545	0.3494989	0.364238	0.3841800	0.3701604	0.40885012				0.369	6.2	
Bis(2-chloroethoxy)methane	0.4598681	0.4989369	0.4750583	0.5114786	0.495655	0.4801074	0.52775666				0.493	4.7	

Form 6

SVOCS IN SOIL INITIAL CALIBRATION DATA

Lab Name: H2M LABS INC Contract: H2M LABS INC

Lab Code: H2M Case No.: URS SAS No.: SDG No.: URS150

Instrument ID: HP5973N Calibration Dates: 5/10/2013 5/10/2013

Heated Purge: (Y/N) N Calibration Times: 10:26 14:18

GC Column: Rxi-5SILMS ID: 0.25 (mm)

LAB FILE ID: STD001= N57859.D STD005= N57857.D STD010= N57856.D STD025= N57852.D STD040= N57855.D

STD060= N57854.D STD080= N57853.D

COMPOUND		Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7				RRF	% RSD	R^2
2,4-Dichlorophenol	*	0.2055989	0.2666226	0.2606337	0.2841857	0.2828997	0.2700319	0.30087581				0.267	11.3	*
Naphthalene		1.0985698	1.1015076	1.0537795	1.1337533	1.1427542	1.0924833	1.21516371				1.120	4.6	
4-Chloroaniline		0.3754873	0.4146479	0.4291352	0.4665832	0.4657201	0.4458455	0.50135856				0.443	9.2	
Hexachlorobutadiene	*	0.1550972	0.1638586	0.1639192	0.1690851	0.1752767	0.1695997	0.1957874				0.170	7.5	*
Caprolactam		0.0932555	0.1122834	0.1186037	0.1264676	0.119948	0.0985374	0.11909776				0.113	10.9	
4-Chloro-3-methylphenol	*	0.2120084	0.2773339	0.2940895	0.3159351	0.3097264	0.2878058	0.32710276				0.289	13.2	*
2-Methylnaphthalene		0.6789904	0.7027253	0.6719686	0.7296865	0.7307760	0.7031132	0.78818253				0.715	5.5	
Hexachlorocyclopentadiene	*	0.1896049	0.2454103	0.2760856	0.3533964	0.3725652	0.3666113	0.39555326				0.314	24.7	*
2,4,6-Trichlorophenol	*	0.2450363	0.3178035	0.3238192	0.3483826	0.3695464	0.3528277	0.38740075				0.335	13.9	*
2,4,5-Trichlorophenol		0.2298570	0.2901982	0.2961311	0.3329543	0.3596267	0.3380151	0.38003479				0.318	15.8	
1,1'-Biphenyl		1.4081453	1.5193639	1.4390777	1.6128784	1.6347812	1.4023957	1.68424097				1.529	7.6	
2-Chloronaphthalene		1.1178424	1.1291077	1.1296438	1.2041651	1.3080570	1.2185875	1.43082967				1.220	9.4	
2-Nitroaniline		0.2783764	0.3510371	0.3509204	0.3916018	0.3851144	0.3664037	0.39331192				0.360	11.1	
Dimethylphthalate		1.1650064	1.237087	1.1771165	1.2657421	1.2514934	1.1736322	1.28876439				1.223	4.1	
2,6-Dinitrotoluene		0.2690249	0.2989235	0.2762682	0.2973776	0.2993657	0.2836661	0.31331394				0.291	5.3	
Acenaphthylene		1.7927763	1.851253	1.7760954	1.9393362	1.9687957	1.8730743	2.04301045				1.892	5.1	
3-Nitroaniline		0.1859457	0.2849570	0.2829587	0.3213938	0.3258731	0.3109835	0.36122991				0.296	18.7	
Acenaphthene	*	1.2021414	1.1934903	1.1565363	1.2664082	1.2883340	1.2300844	1.36330035				1.243	5.6	*
2,4-Dinitrophenol	*	0	0.074984	0.1083658	0.1319999	0.1549338	0.1463178	0.17283929				0.132	26.8	*
4-Nitrophenol	*	0	0.0808505	0.1038793	0.1349795	0.1301485	0.1258876	0.15097366				0.121	20.6	*
Dibenzofuran		1.4465	1.5481604	1.5031399	1.6279485	1.6483661	1.5677474	1.72931529				1.582	6.0	
2,4-Dinitrotoluene		0.2920648	0.3566653	0.3607932	0.4005694	0.3938539	0.3657026	0.41081538				0.369	10.8	
Diethylphthalate		1.1518601	1.2380995	1.1808987	1.2905606	1.2475311	1.1637691	1.34593930				1.231	5.8	

Form 6

SVOCS IN SOIL INITIAL CALIBRATION DATA

Lab Name: H2M LABS INC Contract: H2M LABS INC

Lab Code: H2M Case No.: URS SAS No.: SDG No.: URS150

Instrument ID: HP5973N Calibration Dates: 5/10/2013 5/10/2013

Heated Purge: (Y/N) N Calibration Times: 10:26 14:18

GC Column: Rxi-5SILMS ID: 0.25 (mm)

LAB FILE ID: STD001= N57859.D STD005= N57857.D STD010= N57856.D STD025= N57852.D STD040= N57855.D

STD060= N57854.D STD080= N57853.D

COMPOUND		Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	RRF	% RSD	R^2
1,2,4,5-Tetrachlorobenzene		0.5024056	0.5245604	0.5117019	0.5698507	0.5941750	0.5136753	0.61178203	0.547	8.1	
Fluorene		1.258928	1.3196051	1.2894993	1.4283120	1.4551706	1.3828922	1.57272843	1.387	7.9	
4-Chlorophenyl-phenylether		0.5171783	0.5880198	0.5640654	0.6153119	0.6322561	0.6156425	0.7273281	0.609	10.7	
4-Nitroaniline		0.157078	0.2673278	0.2853845	0.3211933	0.3128904	0.2966012	0.33706159	0.283	21.2	
4,6-Dinitro-2-methylphenol		0	0.109743	0.1181535	0.1395527	0.1544755	0.1482039	0.16728368	0.140	15.7	
N-Nitrosodiphenylamine	*	0.6172203	0.6824646	0.6716261	0.7275465	0.7627448	0.7361413	0.82485389	0.718	9.4	*
1,2-Diphenylhydrazine		0.9792542	1.0384356	0.9861148	1.0698598	1.0842896	1.0265261	1.11133331	1.042	4.7	
4-Bromophenyl-phenylether		0.1878418	0.2122248	0.2049272	0.2236324	0.2452577	0.2370412	0.27190464	0.226	12.4	
Hexachlorobenzene		0.2243616	0.224307	0.2206948	0.240966	0.2590064	0.2493851	0.28682687	0.244	9.8	
Atrazine		0.1750056	0.1891428	0.1664839	0.170131	0.1449938	0.1010514	0.09482706	0.149	25.0	
Pentachlorophenol	*	0	0.0727684	0.095616	0.1189962	0.1425332	0.1447382	0.17716255	0.125	30.0	*
Phenanthrene		1.1454011	1.1479818	1.1078346	1.2412094	1.2975651	1.2554082	1.45760176	1.236	9.7	
Anthracene		1.1520904	1.2183495	1.1570458	1.2649701	1.3133381	1.2641779	1.43368524	1.258	7.8	
Carbazole		0.7618531	0.9723183	0.9900956	1.1119985	1.1606242	1.1146187	1.26704335	1.054	15.5	
Di-n-butyl phthalate		1.1784859	1.3766376	1.3486490	1.4817425	1.4640165	1.3807263	1.62939625	1.409	9.9	
Fluoranthene	*	1.0572655	1.1983766	1.1648605	1.2910598	1.3172891	1.2627290	1.50291769	1.256	11.1	*
Pyrene		1.2925278	1.3114615	1.2439673	1.2816281	1.3301297	1.2538696	1.30195928	1.288	2.4	
Butyl benzyl phthalate		0.5948877	0.6511381	0.6354472	0.6827562	0.6952879	0.6649466	0.74836683	0.668	7.3	
3,3'-Dichlorobenzidine		0.2725997	0.3188927	0.3409586	0.3833775	0.4264786	0.4506088	0.49676219	0.384	20.6	
Benzo(a)anthracene		1.2112964	1.1600310	1.1344492	1.1974186	1.210472	1.1484331	1.27393883	1.191	4.0	
Chrysene		1.0388117	1.0549525	1.0042969	1.0424907	1.0919544	1.0409197	1.13821762	1.059	4.1	
Bis(2-ethylhexyl)phthalate		0.7950122	0.9107938	0.8734898	0.9595089	0.9440481	0.8902106	1.06383213	0.920	9.1	
Di-n-octyl phthalate	*	1.6526724	1.8524146	1.7868899	1.9326333	1.8329738	1.7170001	2.00071539	1.825	6.6	*

Form 6

SVOCS IN SOIL INITIAL CALIBRATION DATA

Lab Name: H2M LABS INC Contract: H2M LABS INC

Lab Code: H2M Case No.: URS SAS No.: SDG No.: URS150

Instrument ID: HP5973N Calibration Dates: 5/10/2013 5/10/2013

Heated Purge: (Y/N) N Calibration Times: 10:26 14:18

GC Column: Rxi-5SILMS ID: 0.25 (mm)

LAB FILE ID: STD001= N57859.D STD005= N57857.D STD010= N57856.D STD025= N57852.D STD040= N57855.D

STD060= N57854.D STD080= N57853.D

COMPOUND	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7				$\overline{RRF}$	% RSD	R^2
Benzo(b)fluoranthene	1.2493456	1.4334351	1.2582262	1.4275482	1.4780157	1.5567006	1.68760196				1.442	10.8	
2,3,4,6-Tetrachlorophenol	0.1820153	0.2585727	0.2529361	0.2733398	0.2841509	0.2739535	0.30946664				0.262	15.2	
Benzo(k)fluoranthene	1.3077968	1.206488	1.3225716	1.4101929	1.4363922	1.2953734	1.6630078				1.377	10.7	
Benzo(a)pyrene *	1.0901620	1.2013534	1.1668450	1.2973633	1.3367869	1.2992792	1.4999298				1.270	10.5	*
Indeno(1,2,3-cd)pyrene	1.1282017	1.2455106	1.2393574	1.4255108	1.5170481	1.4921662	1.71207912				1.394	14.5	
Dibenzo(a,h)anthracene	0.9089764	0.9859656	1.0144529	1.1746433	1.2763197	1.2655415	1.44617498				1.153	16.6	
Benzo(g,h,i)perylene	0.9130853	1.0030544	0.9975555	1.099007	1.1645342	1.1353537	1.24057285				1.079	10.5	
2-Fluorophenol	1.2732184	1.3679329	1.5575119	1.572551	1.4657221	1.4203389	1.4047569				1.437	7.3	
Nitrobenzene-d5	0.4242986	0.4458153	0.4196131	0.4303435	0.4436219	0.4459128	0.44598687				0.437	2.6	
Phenol-d5	1.6851583	1.6804534	1.8929729	1.9709342	1.8466235	1.8195927	1.81679261				1.816	5.8	
2,4,6-Tribromophenol	0	0.1328152	0.1623335	0.1754698	0.1823485	0.1912761	0.20424868				0.175	14.3	
2-Fluorobiphenyl	1.2428000	1.3118923	1.2296366	1.2680413	1.3575833	1.3812885	1.39505372				1.312	5.1	
4-Terphenyl-d14	0.9345824	0.9656294	0.9283353	0.9013978	0.9782214	0.9847728	0.98147524				0.953	3.4	
2-Chlorophenol-d4	1.3953875	1.3294612	1.5160144	1.5401993	1.4910674	1.49559	1.53139568				1.471	5.4	
1,2-Dichlorobenzene-d4	1.4543943	1.0936968	0.9965041	0.9553209	0.9860263	0.9961005	1.02822750				1.073	16.2	

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

H2M labs

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR ORGANOPHOSPHOROUS PESTICIDES
SAMPLES RECEIVED: 5/15/13 & 5/17/13
SDG #: URS150

For Sample(s):

MW-3 (0-0.5)	MW-3 (12-14)	SB-1 (4-6)
MW-3 (0-2)	MW-3 (14-16)	SB-1 (6-8)
MW-3 (2-4)	MW-3 (16-18)	SB-1 (8-10)
MW-3 (4-6)	MW-3 (18-20)	SB-1 (10-12)
MW-3 (6-8)	RB-1 (6-8)	SB-1 (12-14)
MW-3 (8-10)	SB-1 (0-2)	SB-1 (14-16)
MW-3 (10-12)	SB-1 (2-4)	SB-1 (16-18)

The above soil sample(s) and blank(s) was/were analyzed for organophosphorous pesticides by EPA method 8141.

All Q. C. data and calibrations met the requirements of the method unless discussed below, and no problems were encountered with sample analysis. The following should be noted:

Sample MW-3 (14-16) was selected for in-house batch quality control matrix spike, matrix spike duplicate (MS/MSD). All percent recoveries for the MS/MSD sample and all recoveries for the three lab fortified blanks were within Q. C. limits with the exception of a high recovery for famphur in LFB39800. No positives for famphur were detected, and no data are affected.

Samples SB-1 (6-8) and MW-3 (8-10) had tentative positive identifications for targeted analytes. The samples were reanalyzed on an alternate column for confirmation, but no peaks were found in the retention time windows of the tentative positives. Raw data for both analyses are submitted.

Linear calibration was used for all analytes. In the continuing calibration verifications (CCV), some compounds exceeded the variability criterion of a percent difference of 15%. (Famphur and methidathion in CCV US11906 and dimethoate in US11907 had high responses.) Results for these analytes are regarded estimated in the affected analyses. Famphur and dimethoate were not found in the samples, but may be biased high in the LFB and MS/MSD. The reported surrogate recoveries are also regarded estimated. Dimethoate results in the MS/MSD may also be biased high.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: June 17, 2013
Date Revised: August 28, 2013

****
* Middel *
****
Ursula Middel
Technical Manager

REVISED KV 29-Aug-13

URS150 A6

H 2 M labs

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR PESTICIDES/PCBS ANALYSIS
SAMPLES RECEIVED: 5/15/13 & 5/17/13
SDG #: URS150

For Sample(s):

MW-3 (0-0.5)	MW-3 (12-14)	SB-1 (4-6)
MW-3 (0-2)	MW-3 (14-16)	SB-1 (6-8)
MW-3 (2-4)	MW-3 (16-18)	SB-1 (8-10)
MW-3 (4-6)	MW-3 (18-20)	SB-1 (10-12)
MW-3 (6-8)	RB-1 (6-8)	SB-1 (12-14)
MW-3 (8-10)	SB-1 (0-2)	SB-1 (14-16)
MW-3 (10-12)	SB-1 (2-4)	SB-1 (16-18)

The above sample(s) was/were analyzed for pesticides and aroclors by methods 8081A and 8082 in accordance with the NYSDEC ASP, Rev. 7/2005 and reported with the requested deliverables.

All Q. C. data and calibrations met the requirements of the protocol, unless discussed below. No problems were encountered with sample analysis. The following should be noted:

Aliquots of the samples and the Q.C. samples were subjected to cleanup with sulfuric acid. These aliquots were analyzed separately for aroclors and are reported with an "A" suffix.

No sample was submitted for matrix spike/ matrix spike duplicate (MS/MSD) spiking, but sample MW-3 (0-0.5) was selected for in-house batch Q. C. MS/MSD analysis. All targeted single peak compounds were spiked. The recoveries reported for alpha and gamma chlordane are representative for the targeted pesticide technical chlordane.

Lab fortified blanks for the single peak pesticides mix, aroclors and toxaphene were analyzed and recoveries indicate good method efficiency.

Sample SB-1 (6-8) was reanalyzed at two dilutions due to concentration levels of targeted analytes above the calibration range. Both sets of data are submitted. At the dilution of 1: 50 no surrogate recoveries were reportable, because the surrogates were diluted out. In the undiluted run and in dilution 1:5 the peak for 4,4'-DDE was saturated and no concentration was computed by the data system. The highest calibration level was reported and flagged with the qualifier "EZ"

Due to unresolved interferences, surrogate recoveries were outside Q.C. limits in the following samples: MW-3 (4-6), MW-3 (8-10) and SB-1 (6-8).

In the continuing calibration verifications (CCV) on 6/22/13, some compounds exceeded the variability criterion of a percent difference of 20% and 25%. No positive was found in the affected analyses for those analytes. (Only the high dilution was analyzed on that day.)

H2M labs
575 Broad Hollow Road
Melville, NY 11747
tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR PESTICIDES/PCBS ANALYSIS
SAMPLES RECEIVED: 5/15/13 & 5/17/13
SDG #: URS150

Positives are reported to the practical detection limits of ½ of the reporting limits with the following exception:

A peak below PQL was found for 4,4'-DDE on one of the columns in sample MW-3 (8-10) but could not be confirmed due to matrix interference on the alternate column. No concentration below PQL is reportable for that sample.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: June 27, 2013

****
* Middel *
****
Ursula Middel
Technical Manager

2F

SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS150

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	Other (1)	Other (2)	TOT OUT
01	mb-39724	78	79	57	59			0
02	lfb1-39724	79	84	59	61			0
03	lfb3-39724	76	77	56	54			0
04	mb-39724A	81	81	62	60			0
05	lfb2-39724A	81	86	59	58			0
06	MW-3 (0-0.5)A	81	83	59	57			0
07	MW-3 (0-0.5)	80	71	63	61			0
08	MW-3 (0-2)A	75	79	61	58			0
09	MW-3 (0-0.5)MS	77	71	67	63			0
10	MW-3 (2-4)A	78	80	63	81			0
11	MW-3 (0-0.5)MSD	70	67	63	60			0
12	MW-3 (4-6)A	70	77	62	123			0
13	MW-3 (0-2)	70	69	68	58			0
14	MW-3 (2-4)	71	67	71	112			0
15	MW-3 (6-8)A	72	76	61	70			0
16	MW-3 (4-6)	57	63	85	196 *			1
17	MW-3 (8-10)A	63	41	52	116			0
18	MW-3 (6-8)	64	97	82	102			0
19	MW-3 (10-12)A	57	45	55	53			0
20	MW-3 (8-10)	55	71	82	196 *			1
21	MW-3 (12-14)A	57	75	55	53			0
22	MW-3 (10-12)	51	55	53	49			0
23	MW-3 (14-16)A	49	50	52	49			0
24	MW-3 (12-14)	60	63	49	66			0

QC Limits

TCX = Tetrachloro-m-xylene (30-150)

DCB = Decachlorobiphenyl (30-150)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

2F

SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS150

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	Other (1)	Other (2)	TOT OUT
25	MW-3 (16-18)A	52	55	50	49			0
26	MW-3 (14-16)	48	49	43	47			0
27	MW-3 (18-20)A	60	62	57	53			0
28	MW-3 (16-18)	49	46	61	69			0
29	MW-3 (18-20)	53	55	44	46			0
30	MB-39816A	82	83	60	58			0
31	LFB2-39816A	86	87	62	59			0
32	SB-1 (0-2)A	76	77	67	60			0
33	SB-1 (2-4)A	82	84	66	61			0
34	SB-1 (4-6)A	79	79	65	62			0
35	SB-1 (6-8)A	107	172 *	68	112			1
36	SB-1 (8-10)A	75	75	60	55			0
37	SB-1 (10-12)A	64	64	57	53			0
38	SB-1 (12-14)A	63	77	57	54			0
39	SB-1 (14-16)A	48	49	57	51			0
40	SB-1 (16-18)A	71	70	56	51			0
41	mb-39816	76	92	57	62			0
42	lfb1-39816	80	108	63	64			0
43	lfb3-39816	90	85	67	120			0
44	SB-1 (0-2)	71	74	69	128			0
45	SB-1 (2-4)	79	84	71	96			0
46	SB-1 (4-6)	74	73	85	65			0
47	SB-1 (6-8)	91	1080 *	200 *	216 *			3
48	SB-1 (8-10)	88	121	70	72			0

QC Limits

TCX = Tetrachloro-m-xylene (30-150)

DCB = Decachlorobiphenyl (30-150)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

MW-3 (0-2)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS150

Lab Sample ID: 1305795-002b Date(s) Analyzed: /22/2013 /22/2013

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
4,4'-DDE	1	6.57	6.54	6.60	1.2	
	2	6.05	6.02	6.08	0.95	26.3
4,4'-DDT	1	7.57	7.55	7.61	1.1	
	2	7.18	7.16	7.22	1.3	18.2

10A

CLIENT SAMPLE NO.

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

MW-3 (2-4)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS150

Lab Sample ID: 1305795-003b Date(s) Analyzed: /22/2013 /22/2013

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
4,4'-DDE	1	6.57	6.54	6.60	4.7	
	2	6.05	6.02	6.08	3.5	34.3
4,4'-DDD	1	7.27	7.25	7.31	13	
	2	6.84	6.81	6.87	1.7	664.7
4,4'-DDT	1	7.57	7.55	7.61	5.9	
	2	7.18	7.16	7.22	3.6	63.9

10A

CLIENT SAMPLE NO.

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

MW-3 (4-6)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS150

Lab Sample ID: 1305795-004b Date(s) Analyzed: /23/2013 /23/2013

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
4,4'-DDE	1	6.57	6.54	6.60	3.3	
	2	6.05	6.02	6.08	3.6	9.1
4,4'-DDD	1	7.27	7.25	7.31	19	
	2	6.84	6.81	6.87	1.6	999.9
4,4'-DDT	1	7.58	7.55	7.61	10	
	2	7.18	7.16	7.22	4.7	112.8
Endrin ketone	1	8.51	8.50	8.56	2.3	
	2	8.03	8.03	8.09	2.7	17.4
Endrin aldehyde	1	7.87	7.85	7.91	3.3	
	2	7.29	7.27	7.33	2.2	50.0

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

MW-3 (6-8)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS150

Lab Sample ID: 1305795-005b Date(s) Analyzed: /23/2013 /23/2013

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Heptachlor epoxide	1	6.08	6.08	6.14	1.3	
	2	5.22	5.19	5.25	8.3	538.5
Dieldrin	1	6.95	6.93	6.99	2.5	
	2	6.24	6.23	6.29	6.4	156.0
4,4'-DDE	1	6.57	6.54	6.60	6.2	
	2	6.05	6.02	6.08	5.8	6.9
4,4'-DDD	1	7.27	7.25	7.31	13	
	2	6.84	6.81	6.87	5.4	140.7
4,4'-DDT	1	7.59	7.55	7.61	110	
	2	7.18	7.16	7.22	2.0	999.9
gamma-Chlordane	1	6.29	6.26	6.32	1.1	
	2	5.48	5.48	5.54	8.2	645.5

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

MW-3 (8-10)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS150

Lab Sample ID: 1305795-006b Date(s) Analyzed: /23/2013 /23/2013

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
beta-BHC	1	4.19	4.17	4.23	2.4	
	2	3.57	3.53	3.59	1.5	60.0
Endosulfan I	1	6.65	6.63	6.69	1.6	
	2	5.85	5.80	5.86	1.3	23.1
Methoxychlor	1	8.03	8.00	8.06	12	
	2	7.88	7.84	7.90	45	275.0
~~gamma-Chlordane~~	1	6.28	6.26	6.32	1.2	
	2	~~0.00~~ 5.15	5.48	5.54	74	999.9

AL 6-27-13

FORM X PEST- 1 SW8081/8082

URS150 P487

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

SB-1 (0-2)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS150

Lab Sample ID: 1305932-001b Date(s) Analyzed: /29/2013 /29/2013

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
4,4'-DDT	1	7.56	7.54	7.60	1.0	
	2	7.18	7.16	7.22	1.4	40.0

FORM X PEST- 1 SW8081/8082

URS150 P488

10A

CLIENT SAMPLE NO.

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

SB-1 (2-4)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS150

Lab Sample ID: 1305932-002b Date(s) Analyzed: /29/2013 /29/2013

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
4,4'-DDE	1	6.56	6.54	6.60	1.7	
	2	6.04	6.02	6.08	1.0	70.0
4,4'-DDT	1	7.57	7.54	7.60	1.5	
	2	7.18	7.16	7.22	2.0	33.3

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

SB-1 (6-8)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS150

Lab Sample ID: 1305932-004b Date(s) Analyzed: /29/2013 /29/2013

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
beta-BHC	1	4.21	4.17	4.23	13	
	2	3.56	3.53	3.59	2.7	381.5
Heptachlor	1	4.73	4.70	4.76	1.2	
	2	3.96	3.95	4.01	2.7	125.0
Heptachlor epoxide	1	6.13	6.07	6.13	4.3	
	2	5.18	5.18	5.24	72	999.9
Endosulfan I	1	6.64	6.63	6.69	45	
	2	5.83	5.80	5.86	130	188.9
Dieldrin	1	6.95	6.92	6.98	18	
	2	6.23	6.23	6.29	37	105.6
4,4'-DDE	1	~~0.00~~ 6.55	6.54	6.60	74	
	2	~~0.00~~ 6.02	6.02	6.08	74	0.0
Endrin	1	7.21	7.19	7.25	2.9	
	2	6.69	6.64	6.70	5.1	75.9
Endosulfan II	1	7.48	7.43	7.49	110	
	2	6.95	6.90	6.96	17	547.1
4,4'-DDD	1	7.27	7.25	7.31	61	
	2	6.83	6.81	6.87	46	32.6

MS 6-27-B

FORM X PEST- 1 SW8081/8082

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

SB-1 (6-8)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS150

Lab Sample ID: 1305932-004b Date(s) Analyzed: /29/2013 /29/2013

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

Endosulfan sulfate	1	8.27	8.24	8.30	42	
	2	7.58	7.54	7.60	8.1	418.5
4,4'-DDT	1	7.56	7.54	7.60	120	
	2	7.19	7.16	7.22	11	990.9
Methoxychlor	1	8.02	7.99	8.05	160	
	2	7.86	7.83	7.89	130	23.1
alpha-Chlordane	1	6.47	6.44	6.50	99	
	2	5.74	5.71	5.77	100	1.0
gamma-Chlordane	1	6.29	6.26	6.32	120	
	2	0.00	5.47	5.53	74	62.2

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

SB-1 (6-8)DL

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS150

Lab Sample ID: 1305932-004bDL Date(s) Analyzed: /31/2013 /31/2013

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Heptachlor epoxide	1	6.07	6.07	6.13	270	
	2	5.18	5.18	5.24	56	382.1
Endosulfan I	1	6.64	6.63	6.69	41	
	2	5.83	5.80	5.86	150	265.9
Dieldrin	1	6.95	6.92	6.98	20	
	2	6.24	6.23	6.29	37	85.0
4,4'-DDE	1	~~6.00~~ 6.56	6.54	6.60	370	
	2	~~6.00~~ 6.04	6.02	6.08	370	0.0
Endosulfan II	1	7.48	7.43	7.49	140	
	2	6.96	6.90	6.96	21	566.7
4,4'-DDD	1	7.27	7.25	7.31	82	
	2	6.84	6.81	6.87	62	32.3
4,4'-DDT	1	7.56	7.54	7.60	140	
	2	7.16	7.16	7.22	170	21.4
Methoxychlor	1	8.02	7.99	8.05	180	
	2	7.86	7.83	7.89	160	12.5
alpha-Chlordane	1	6.47	6.44	6.50	120	
	2	5.74	5.71	5.77	120	0.0

AL 6-27-13

FORM X PEST- 1 SW8081/8082

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

SB-1 (6-8)DL

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS150

Lab Sample ID: 1305932-004bDL Date(s) Analyzed: /31/2013 /31/2013

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

gamma-Chlordane	1	6.29	6.26	6.32	140	
	2	5.53	5.47	5.53	78	79.5

FORM X PEST- 1 SW8081/8082

URS150 P494

10A

CLIENT SAMPLE NO.

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

SB-1 (8-10)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS150

Lab Sample ID: 1305932-005b Date(s) Analyzed: /29/2013 /29/2013

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Endosulfan I	1	6.64	6.63	6.69	2.4	
	2	5.83	5.80	5.86	1.4	71.4
4,4'-DDE	1	6.56	6.54	6.60	19	
	2	6.04	6.02	6.08	22	15.8
Endrin ketone	1	8.50	8.50	8.56	3.7	
	2	8.04	8.03	8.09	7.5	102.7
Endrin aldehyde	1	7.86	7.84	7.90	7.2	
	2	7.29	7.27	7.33	2.3	213.0

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

SB-1 (10-12)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS150

Lab Sample ID: 1305932-006b Date(s) Analyzed: /29/2013 /29/2013

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
alpha-BHC	1	3.71	3.70	3.76	8.1	
	2	3.11	3.08	3.14	2.5	224.0
beta-BHC	1	4.18	4.17	4.23	13	
	2	3.57	3.53	3.59	1.3	900.0
4,4'-DDE	1	6.56	6.54	6.60	1.8	
	2	6.03	6.02	6.08	3.5	94.4
gamma-Chlordane	1	6.27	6.26	6.32	1.4	
	2	5.48	5.47	5.53	120	999.9

FORM X PEST- 1 SW8081/8082

URS150 P497

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

SB-1 (16-18)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS150

Lab Sample ID: 1305932-009b Date(s) Analyzed: /29/2013 /29/2013

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
4,4'-DDE	1	6.56	6.54	6.60	3.0	
	2	6.04	6.02	6.08	2.3	30.4

FORM X PEST- 1 SW8081/8082

URS150 P499

H2M labs
575 Broad Hollow Road
Melville, NY 11747
tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR HERBICIDES ANALYSES
SAMPLES RECEIVED: 5/15/13 & 5/17/13
SDG #: URS150

For Sample(s):

MW-3 (0-0.5)	MW-3 (12-14)	SB-1 (4-6)
MW-3 (0-2)	MW-3 (14-16)	SB-1 (6-8)
MW-3 (2-4)	MW-3 (16-18)	SB-1 (8-10)
MW-3 (4-6)	MW-3 (18-20)	SB-1 (10-12)
MW-3 (6-8)	RB-1 (6-8)	SB-1 (12-14)
MW-3 (8-10)	SB-1 (0-2)	SB-1 (14-16)
MW-3 (10-12)	SB-1 (2-4)	SB-1 (16-18)

The above soil sample(s) was/were analyzed for herbicides by EPA method 8151A. Picloram, dinoseb and 2,4-DB have been added to the originally reported list of herbicides. Please note that ELAP / NELAC does not offer certification for picloram.

All Q. C. data and calibrations met the requirements of the method unless discussed below, and no problems were encountered with sample analysis. The following should be noted:

Seven samples were re-extracted within holding time due to low surrogate recoveries. Data in the re-extracts were acceptable, and the re-extracts were reported.

Samples MW-3 (8-10), SB-1 (6-8) and SB-1 (10-12) and the associated blanks (reported as LSB) and LFBs were subjected to sulfur cleanup. The data for the sulfur cleaned LFB aliquots are reported with the suffix "S".

Sample SB-1 (0-2) was selected for matrix spike analysis. All recoveries were within Q. C. limits. Four lab fortified blanks were analyzed. Results met the control limits with the following exceptions: 2,4-DB recovery was very low in the LFB for water. The analyte was not present in the rinse blank, and no data are affected. The same is true for the low recovery for picloram in LFB-39817. No positives were found in the six samples of that batch.

The recovery for the surrogate DCAA was above the Q. C. limit on one column in three samples due to unresolved matrix interference. The surrogate recoveries in the LFB LFB39760(S) were very high, whereas the recoveries for targeted compounds in the same LFB were acceptable. It is suspected that the LFB was double spiked with the surrogate spike. No data are affected.

URS150 A9 Revised CLG Aug-20-13

H2M labs
575 Broad Hollow Road
Melville, NY 11747
tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR HERBICIDES ANALYSES
SAMPLES RECEIVED: 5/15/13 & 5/17/13
SDG #: URS150

The response for dicamba was low on column RTX-CLP2 in the continuous calibration checks CCV815120 and CCV815124, with %D >15%. 2,4-DB also had a %D above 15% on the same column. Variability for picloram on column RTX-CLP was above 15% in CCV815129. That response was too high. Positives for the compounds were reported from the compliant columns in the affected samples and the LFBs.

Positives are reported to the practical detection limits of ½ of the reporting limits.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Revised: August 15, 2013

****
* Middel *
****
Ursula Middel
Technical Manager

URS150 A10 Revised CLG Aug-20-13

2F

SOIL HERBICIDE SURROGATE RECOVERY

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS150

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

	EPA SAMPLE NO.	DCAA 1 %REC #	DCAA 2 %REC #	1 %REC #	%REC #	Other (1)	Other (2)	TOT OUT
01	mb-39729	83	83					0
02	lfb-39729	108	95					0
03	MW-3 (0-0.5)	122	107					0
04	MW-3 (0-2)	121	111					0
05	MW-3 (2-4)	112	104					0
06	mb-39760	123	126					0
07	lfb-39760	186 *	160 *					2
08	MW-3 (12-14)	34	39					0
09	mb-39777	89	86					0
10	lfb-39777	114	103					0
11	SB-1 (0-2)	113	107					0
12	SB-1 (2-4)	123	108					0
13	SB-1 (4-6)	118	104					0
14	SB-1 (8-10)	117	92					0
15	SB-1 (12-14)	127	107					0
16	SB-1 (14-16)	130	120					0
17	SB-1 (16-18)	108	96					0
18	SB-1 (0-2)MS	121	105					0
19	LSB-39777	81	80					0
20	LFB-39777(S)	108	105					0
21	SB-1 (6-8)	163 *	101					1
22	SB-1 (10-12)	91	81					0
23	mb-39817	92	89					0
24	lfb-39817	94	89					0

QC Limits

DCAA = DCAA (29-136)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

URS150 H4 Revised CLG Aug-20-13

3A

SYSTEM MONITORING SPIKE RECOVERY

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No.: URS SAS No.: SDG No.: URS150

Sample ID LFB-39777(S) Level: (low/med) LOW

Column ID CLP Column Diam .32

Inst. ID HP6890-1 Init. Calib. Date(s): 05/16/13 19:31

Analysis Date: 05/23/13 15:15 05/16/13 20:34

COMPOUND	SPIKE ADDED (µg/Kg)	SAMPLE CONCENTRATION (µg/Kg)	SPIKE CONCENTRATION (µg/Kg)	SPIKE % REC.#	QC. LIMITS REC.
Picloram	20	0	4.2	21*	40-140
Dicamba	20	0	16	79	16-136
2,4-D	40	0	34	84	25-157
2,4,5-TP (Silvex)	20	0	19	95	12-146
2,4,5-T	20	0	16	80	16-136
Dinoseb	40	0	28	69	10-121
2,4-DB	160	0	99	62	10-131

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 1 out of 7 outside limits

COMMENTS:

URS150 H10 Revised CLG Aug-20-13

H2M LABS INC

PREP BATCH REPORT

Prep Start Date: **5/21/2013 9:55:13 A**
Prep End Date: **5/22/2013 8:22:15 P**

Prep Batch ID: **39777** Prep Code: **8151PR_S** Technician: **Henry Barrera**

Initial Temp: **°C** Final Temp **°C**

Prep Factor Units: **mL / g**

Sample ID	ClientSampleID	Matrix	pH1	pH2	SampAmt	Fin Vol	factor	GPC	Acid	Sulfur	Florisil	PrepStart	PrepEnd
LFB-39777		Soil			25	5	0.200	☐	☐	☑	☐	5/21/2013	5/22/2013
MB-39777		Soil			25	5	0.200	☐	☐	☑	☐	5/21/2013	5/22/2013
1305929-007B	SB-2 (12-14)	Soil			25.01	5	0.200	☐	☐	☐	☐	5/21/2013	5/22/2013
1305929-008B	SB-2 (14-16)	Soil			25.17	5	0.199	☐	☐	☐	☐	5/21/2013	5/22/2013
1305929-009B	SB-2 (16-18)	Soil			25.06	5	0.200	☐	☐	☐	☐	5/21/2013	5/22/2013
1305929-010B	SB-2 (18-20)	Soil			25.12	5	0.199	☐	☐	☐	☐	5/21/2013	5/22/2013
1305932-001B	SB-1 (0-2)	Soil			25.14	5	0.199	☐	☐	☐	☐	5/21/2013	5/22/2013
1305932-002B	SB-1 (2-4)	Soil			25.09	5	0.199	☐	☐	☐	☐	5/21/2013	5/22/2013
1305932-003B	SB-1 (4-6)	Soil			25.04	5	0.200	☐	☐	☐	☐	5/21/2013	5/22/2013
1305932-004B	SB-1 (6-8)	Soil			25.03	5	0.200	☐	☐	☑	☐	5/21/2013	5/22/2013
1305932-005B	SB-1 (8-10)	Soil			25.17	5	0.199	☐	☐	☐	☐	5/21/2013	5/22/2013
1305932-006B	SB-1 (10-12)	Soil			25.01	5	0.200	☐	☐	☑	☐	5/21/2013	5/22/2013
1305932-007B	SB-1 (12-14)	Soil			25.14	5	0.199	☐	☐	☐	☐	5/21/2013	5/22/2013
1305932-008B	SB-1 (14-16)	Soil			25.18	5	0.199	☐	☐	☐	☐	5/21/2013	5/22/2013
1305932-009B	SB-1 (16-18)	Soil			25.03	5	0.200	☐	☐	☐	☐	5/21/2013	5/22/2013
1305934-001B	SB-1 (18-20)	Soil			25.17	5	0.199	☐	☐	☐	☐	5/21/2013	5/22/2013
1305932-001BMS		Soil			25.09	5	0.199	☐	☐	☐	☐	5/21/2013	5/22/2013

Type	Chemical / Reagent ID	Chemical / Reagent Name	Container#	Container I	Amount Added	Unit
Chemical	42	Silica Gel	157	Container-01 of 01	1	g
Reagent	220	37% KOH 051013	252	Container-01 of 01	5	mL

Cleanups:
GPC = Method EPA3640A
Acid = Method EPA3665A
Sulfur= Method EPA3660B
Florisil = Method-EPA3620B

URS150 H488 Revised CLG Aug-20-13

3A

SYSTEM MONITORING SPIKE RECOVERY

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No.: URS SAS No.: SDG No.: URS150

Sample ID lfb-39790 Level: (low/med) LOW

Column ID CLP Column Diam .32

Inst. ID HP6890-1 Init. Calib. Date(s): 05/16/13 19:31

Analysis Date: 05/22/13 20:25 05/16/13 20:34

COMPOUND	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	SPIKE CONCENTRATION (µg/L)	SPIKE % REC #	QC. LIMITS REC.
Picloram	0.5	0	0.41	82	40-160
Dicamba	1	0	0.86	85	10-159
2,4-D	2	0	1.5	74	53-115
2,4,5-TP (Silvex)	1	0	0.73	73	37-140
2,4,5-T	1	0	0.73	73	40-131
Dinoseb	2	0	1.2	62	18-121
2,4-DB	8	0	1.9	23*	40-160

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 1 out of 7 outside limits

COMMENTS:

Revised CLG Aug-20-13

URS150 H11

3A

SYSTEM MONITORING SPIKE RECOVERY

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No.: URS SAS No.: SDG No.: URS150

Sample ID lfb-39817 Level: (low/med) LOW

Column ID CLP Column Diam .32

Inst. ID HP6890-1 Init. Calib. Date(s): 05/16/13 19:31

Analysis Date: 05/25/13 2:23 05/16/13 20:34

COMPOUND	SPIKE ADDED (µg/Kg)	SAMPLE CONCENTRATION (µg/Kg)	SPIKE CONCENTRATION (µg/Kg)	SPIKE % REC #	QC. LIMITS REC.
Picloram	20	0	6.3	31*	40-140
Dicamba	20	0	15	77	16-136
2,4-D	40	0	33	83	25-157
2,4,5-TP (Silvex)	20	0	16	81	12-146
2,4,5-T	20	0	14	69	16-136
Dinoseb	40	0	27	68	10-121
2,4-DB	160	0	110	66	10-131

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 7 outside limits

COMMENTS:

Revised CLG Aug-20-13

URS150 H12

H2M LABS INC

PREP BATCH REPORT

Prep Start Date: **5/23/2013 10:06:27**
Prep End Date: **5/24/2013 6:00:00 P**

Prep Batch ID: **39817** Prep Code: **8151PR_S** Technician: **Henry Barrera**

Initial Temp: **°C** Final Temp **°C**

Prep Factor Units: **mL / g**

Sample ID	ClientSampleID	Matrix	pH1	pH2	SampAmt	Fin Vol	factor	GPC	Acid	Sulfur	Florisil	PrepStart	PrepEnd
LFB-39817		Soil			25	5	0.200	☐	☐	☑	☐	5/23/2013	5/24/2013
MB-39817		Soil			25	5	0.200	☐	☐	☑	☐	5/23/2013	5/24/2013
1305795-004B	MW-3 (4-6)	Soil			25.01	5	0.200	☐	☐	☐	☐	5/23/2013	5/24/2013
1305795-005B	MW-3 (6-8)	Soil			25.09	5	0.199	☐	☐	☐	☐	5/23/2013	5/24/2013
1305795-006B	MW-3 (8-10)	Soil			25.14	5	0.199	☐	☐	☑	☐	5/23/2013	5/24/2013
1305795-007B	MW-3 (10-12)	Soil			25.19	5	0.198	☐	☐	☑	☐	5/23/2013	5/24/2013
1305795-009B	MW-3 (14-16)	Soil			25.06	5	0.200	☐	☐	☐	☐	5/23/2013	5/24/2013
1305795-010B	MW-3 (16-18)	Soil			25.11	5	0.199	☐	☐	☐	☐	5/23/2013	5/24/2013
1305795-011B	MW-3 (18-20)	Soil			25.04	5	0.200	☐	☐	☐	☐	5/23/2013	5/24/2013
1305929-002B	HA-1 (2-3)	Soil			25.19	5	0.198	☐	☐	☐	☐	5/23/2013	5/24/2013
1305929-003B	SB-2 (4-6)	Soil			25.01	5	0.200	☐	☐	☐	☐	5/23/2013	5/24/2013
1305929-004B	SB-2 (6-8)	Soil			25.17	5	0.199	☐	☐	☑	☐	5/23/2013	5/24/2013
1305929-006B	SB-2 (10-12)	Soil			25.03	5	0.200	☐	☐	☑	☐	5/23/2013	5/24/2013
1305A27-007B	SB-4 (4-6)	Soil			25.1	5	0.199	☐	☐	☐	☐	5/23/2013	5/24/2013
1305A27-008B	SB-4 (6-8)	Soil			25.23	5	0.198	☐	☐	☑	☐	5/23/2013	5/24/2013
1305A27-009B	SB-4 (8-10)	Soil			25.07	5	0.199	☐	☐	☑	☐	5/23/2013	5/24/2013
1305A27-007BMS		Soil			25.08	5	0.199	☐	☐	☐	☐	5/23/2013	5/24/2013

Type	Chemical / Reagent ID	Chemical / Reagent Name	Container#	Container I	Amount Added	Unit
Chemical	42	Silica Gel	157	Container-01 of 01	1	g
Reagent	220	37% KOH 051013	252	Container-01 of 01	12	mL

Cleanups:
GPC = Method EPA3640A
Acid = Method EPA3665A
Sulfur= Method EPA3660B
Florisil = Method-EPA3620B

URS150 H490 Revised CLG Aug-20-13

1E

HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

mb-39777

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS150

Matrix: (soil/water) SOIL Lab Sample ID: mb-39777

Sample wt/vol: 25 (g/mL) g Lab File ID: A00573.raw

% Moisture: Decanted: (Y/N) N Date Received:

Extraction: (Type) Shake/SEPF Date Extracted: 05/21/13

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/22/13

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) N

CAS NO	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
1918-02-1	Picloram	10	U
1918-00-9	Dicamba	1.7	J
94-75-7	2,4-D	10	U
93-72-1	2,4,5-TP (Silvex)	5.0	U
93-76-5	2,4,5-T	5.0	U
88-85-7	Dinoseb	4.0	U
94-82-6	2,4-DB	10	U

URS150 H350 Revised CLG Aug-20-13

4C

EPA SAMPLE NO.

mb-39777

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS150

Lab Sample ID: mb-39777 Lab File ID: A00573.raw

Matrix: (soil/water) S Extraction: (Type) SHAKE/SEPF

Sulfur Cleanup: (Y/N) N Date Extracted: 05/21/13

Date Analyzed (1): 05/22/13 Date Analyzed (2): 05/22/13

Time Analyzed (1): 22:47 Time Analyzed (2): 22:47

Instrument ID (1): HP6890-1 Instrument ID (2): HP6890-1

GC Column (1): CLP ID: .32 (mm) GC Column (2): CLP2 ID: .32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
1	lfb-39777	lfb-39777	5/22/2013	5/22/2013
2	SB-1 (0-2)	1305932-001B	5/23/2013	5/23/2013
3	SB-1 (2-4)	1305932-002B	5/23/2013	5/23/2013
4	SB-1 (4-6)	1305932-003B	5/23/2013	5/23/2013
5	SB-1 (8-10)	1305932-005B	5/23/2013	5/23/2013
6	SB-1 (12-14)	1305932-007B	5/23/2013	5/23/2013
7	SB-1 (14-16)	1305932-008B	5/23/2013	5/23/2013
8	SB-1 (16-18)	1305932-009B	5/23/2013	5/23/2013
9	SB-1 (0-2)MS	1305932-001Bms	5/23/2013	5/23/2013

COMMENTS: _____

FORM IV HERB

URS150 H16 Revised CLG Aug-20-13

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

MW-3 (0-0.5)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS150

Lab Sample ID: 1305795-001B Date(s) Analyzed: 05/21/13 05/21/13

Instrument ID (1): HP6890-1 Instrument ID (2): HP6890-1

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Dinoseb	1	7.64	7.58	7.64	2.3	
	2	7.25	7.23	7.29	4.9	113.0
2,4-DB	1	7.03	7.01	7.07	22	
	2	7.09	7.06	7.12	9.3	136.6

URS150 H207 Revised CLG Aug-20-13

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

MW-3 (4-6)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS150

Lab Sample ID: 1305795-004B Date(s) Analyzed: 05/25/13 05/25/13

Instrument ID (1): HP6890-1 Instrument ID (2): HP6890-1

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
2,4,5-T	1	6.75	6.73	6.79	3.0	
	2	6.83	6.80	6.86	4.9	63.3

URS150 H209 Revised CLG Aug-20-13

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

MW-3 (6-8)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS150

Lab Sample ID: 1305795-005B Date(s) Analyzed: 05/25/13 05/25/13

Instrument ID (1): HP6890-1 Instrument ID (2): HP6890-1

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
2,4-D	1	6.13	6.09	6.15	20	
	2	6.19	6.14	6.20	17	17.6
2,4,5-TP (Silvex)	1	6.60	6.58	6.64	7.9	
	2	6.62	6.60	6.66	7.7	2.6
2,4,5-T	1	6.75	6.73	6.79	6.2	
	2	6.83	6.80	6.86	8.2	32.3

URS150 H210 Revised CLG Aug-20-13

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

MW-3 (8-10)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS150

Lab Sample ID: 1305795-006B Date(s) Analyzed: 06/10/13 06/10/13

Instrument ID (1): HP6890-1 Instrument ID (2): HP6890-1

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Picloram	1	7.87	7.84	7.91	7.5	
	2	7.50	7.50	7.57	26	246.7
2,4-D	1	6.44	6.41	6.47	30	
	2	5.93	5.90	5.96	25	20.0
2,4,5-TP (Silvex)	1	6.92	6.89	6.95	34	
	2	6.38	6.35	6.41	30	13.3
2,4,5-T	1	7.07	7.04	7.10	31	
	2	6.58	6.55	6.61	17	82.4
Dinoseb	1	7.95	7.90	7.96	9.7	
	2	7.01	6.98	7.04	20	106.2
2,4-DB	1	7.34	7.32	7.38	35	
	2	6.86	6.81	6.87	210	500.0

URS150 H211 Revised CLG Aug-20-13

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

MW-3 (14-16)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS150

Lab Sample ID: 1305795-009B Date(s) Analyzed: 05/25/13 05/25/13

Instrument ID (1): HP6890-1 Instrument ID (2): HP6890-1

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Dicamba	1	5.55	5.53	5.59	4.3	
	2	5.58	5.56	5.62	3.8	13.2
2,4-D	1	6.13	6.09	6.15	42	
	2	6.17	6.14	6.20	24	75.0

URS150 H212 Revised CLG Aug-20-13

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SB-1 (8-10)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS150

Lab Sample ID: 1305932-005B Date(s) Analyzed: 05/23/13 05/23/13

Instrument ID (1): HP6890-1 Instrument ID (2): HP6890-1

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Dicamba	1	5.56	5.53	5.59	31	
	2	5.59	5.56	5.62	22	40.9
2,4-D	1	6.10	6.09	6.15	1400	
	2	6.17	6.14	6.20	270	418.5
2,4,5-TP (Silvex)	1	6.60	6.58	6.64	54	
	2	6.62	6.60	6.66	48	12.5

URS150 H214 Revised CLG Aug-20-13

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SB-1 (10-12)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS150

Lab Sample ID: 1305932-006B Date(s) Analyzed: 05/23/13 05/23/13

Instrument ID (1): HP6890-1 Instrument ID (2): HP6890-1

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Dicamba	1	5.55	5.53	5.59	21	
	2	5.58	5.56	5.62	18	16.7
2,4-D	1	6.12	6.09	6.15	25	
	2	6.17	6.14	6.20	12	108.3

Revised CLG Aug-20-13

URS150 H215

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SB-1 (12-14)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS150

Lab Sample ID: 1305932-007B Date(s) Analyzed: 05/23/13 05/23/13

Instrument ID (1): HP6890-1 Instrument ID (2): HP6890-1

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Dicamba	1	5.55	5.53	5.59	7.6	
	2	5.58	5.56	5.62	6.6	15.2
2,4-D	1	6.09	6.09	6.15	440	
	2	6.17	6.14	6.20	8.8	999.9

URS150 H216 Revised CLG Aug-20-13

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SB-1 (14-16)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS150

Lab Sample ID: 1305932-008B Date(s) Analyzed: 05/23/13 05/23/13

Instrument ID (1): HP6890-1 Instrument ID (2): HP6890-1

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Dicamba	1	5.55	5.53	5.59	8.9	
	2	5.58	5.56	5.62	6.1	45.9
2,4-D	1	6.10	6.09	6.15	1200	
	2	6.17	6.14	6.20	67	999.9
2,4,5-TP (Silvex)	1	6.60	6.58	6.64	87	
	2	6.62	6.60	6.66	79	10.1

URS150 H217 Revised CLG Aug-20-13

H2M labs

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR METALS ANALYSES
SAMPLE(S) RECEIVED: 5/15/13 & 5/17/13
SDG #: URS150

For Sample(s):

MW-3 (0-0.5)	MW-3 (14-16)	SB-1 (4-6)
MW-3 (0-2)	MW-3 (16-18)	SB-1 (6-8)
MW-3 (2-4)	MW-3 (18-20)	SB-1 (8-10)
MW-3 (8-10)	RB-1 (6-8)	SB-1 (10-12)
MW-3 (10-12)	SB-1 (0-2)	SB-1 (14-16)
MW-3 (12-14)	SB-1 (2-4)	SB-1 (16-18)

The above sample(s) was/were received by H2M Labs, Inc. for TAL metals analysis.

Samples were prepared and analyzed by 6010B with a TS ICAP 6000 instrument and methods 7470A/7471A with a Leeman HYDRA mercury analyzer.

Sample SB-1 (0-2) was utilized for Q.C. analysis and reporting.

Spike analysis did not meet acceptance criteria for selenium. The sample was post spiked, reanalyzed and recovered at 81.9%. Selenium data was reported flagged "N" on forms 1 and 5A.

Duplicate analysis did not meet acceptance criteria for manganese. Manganese data was reported flagged "*" on forms 1 and 6.

Two duplicate samples were analyzed on the second 6/11/13 ICP run instead of one duplicate and one spike. The designated spike analysis was run on 6/12/13 and used for reporting.

No other issues were noted during the analysis of this sample group.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: June 19, 2013

Vincent Stancampiano
Vice President

URS150 A11

U.S. EPA - CLP

2B
CRDL STANDARD FOR AA AND ICP

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No. SAS No.: SDG No.: URS150

AA CRDL Standard Source:

ICP CRDL Standard Source: MV Labs/High Purity

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
				Initial			Final	
	True	Found	%R	True	Found	%R	Found	%R
Antimony				120.0	129.00	107.5	124.50	103.8
Arsenic				20.0	19.60	98.0	20.34	101.7
Beryllium				10.0	10.20	102.0	10.50	105.0
Cadmium				10.0	10.60	106.0	10.80	108.0
Chromium				20.0	21.60	108.0	21.60	108.0
Cobalt				100.0	107.60	107.6	107.90	107.9
Copper				50.0	55.00	110.0	50.80	101.6
Lead				6.0	5.45	90.8	6.62	110.3
Manganese				30.0	32.10	107.0	32.70	109.0
Nickel				80.0	85.80	107.3	87.20	109.0
Selenium				10.0	3.62	36.2	9.18	91.8
Silver				20.0	18.62	93.1	18.53	92.7
Thallium				20.0	20.03	100.2	18.41	92.0
Vanadium				100.0	106.30	106.3	103.90	103.9
Zinc				40.0	42.70	106.8	42.70	106.8

URS150 M50

U.S. EPA - CLP

3
BLANKS

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No. SAS No.: SDG No.: URS150

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum	9.5	U	11.3	B	9.5	U	9.5	U	0.950	U	P
Antimony	1.5	B	1.2	U	1.2	U	1.2	U	0.120	U	P
Arsenic	2.8	U	2.8	U	2.8	U	2.8	U	0.280	U	P
Barium	3.7	U	3.7	U	3.7	U	3.7	U	0.370	U	P
Beryllium	0.1	U	0.1	U	0.1	U	0.1	U	0.010	U	P
Cadmium	0.1	U	0.1	U	0.1	U	0.2	B	0.010	U	P
Calcium	5.3	U	6.3	B	5.3	U	6.1	B	0.530	U	P
Chromium	0.4	U	0.4	U	0.5	B	0.5	B	0.040	U	P
Cobalt	0.4	U	0.4	U	0.4	U	0.4	U	0.040	U	P
Copper	-2.1	B	-1.3	B	-1.3	B	0.4	U	0.040	U	P
Iron	-6.3	B	1.8	U	-2.0	B	1.8	U	0.180	U	P
Lead	1.0	U	1.0	U	1.0	U	1.4	B	0.100	U	P
Magnesium	16.9	U	16.9	U	16.9	U	16.9	U	1.700	U	P
Manganese	-0.2	B	0.1	U	0.1	U	0.1	U	0.010	U	P
Nickel	0.7	B	0.3	U	0.5	B	0.6	B	0.030	U	P
Potassium	-1300.0	B	-2500.0	B	-2600.0	B	-4200.0	B	4.900	U	P
Selenium	2.3	U	2.3	U	2.3	U	5.0	B	0.230	U	P
Silver	0.2	U	-0.2	B	0.2	U	0.2	U	0.020	U	P
Sodium	1261.3	U	1261.3	U	1261.3	U	1261.3	U	126.000	U	P
Thallium	1.9	U	1.9	U	1.9	U	1.9	U	0.190	U	P
Vanadium	0.3	U	0.3	U	0.3	U	0.3	U	0.030	U	P
Zinc	-0.7	B	-0.6	B	-0.7	B	0.6	B	0.030	U	P

URS150 M58

U.S. EPA - CLP

3
BLANKS

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No. SAS No.: SDG No.: URS150

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum			42.1	B							P
Antimony			1.2	B							P
Arsenic			2.8	U							P
Barium			3.7	U							P
Beryllium			0.1	U							P
Cadmium			0.3	B							P
Calcium			52.0	B							P
Chromium			0.6	B							P
Cobalt			0.4	U							P
Copper			0.7	B							P
Iron			14.8	B							P
Lead			1.0	U							P
Magnesium			47.3	B							P
Manganese			0.1	U							P
Nickel			0.8	B							P
Potassium			-3000.0	B							P
Selenium			2.3	B							P
Silver			0.2	U							P
Sodium			1261.3	U							P
Thallium			1.9	U							P
Vanadium			0.3	U							P
Zinc			-0.3	B							P

URS150 M59

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO
SB-1 (0-2)S

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No. SAS No.: SDG No.: URS150

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 94.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony	75-125	52.3782		0.1269	U	52.88	99.1		P
Arsenic	75-125	4.8783		0.9902	B	4.23	91.9		P
Barium	75-125	227.4691		17.2585	B	211.50	99.4		P
Beryllium	75-125	5.4990		0.1692	B	5.29	100.8		P
Cadmium	75-125	5.0443		0.0106	U	5.29	95.4		P
Chromium	75-125	25.5810		4.3886		21.15	100.2		P
Cobalt	75-125	55.1277		2.1996	B	52.88	100.1		P
Copper	75-125	30.3398		3.7964		26.44	100.4		P
Iron		5860.6854		5732.7275		105.75	121.0		P
Lead		18.1996		14.7733		2.12	162.0		P
Manganese	75-125	135.4662		83.0986		52.88	99.0		P
Mercury	75-125	0.1868		0.0294	B	0.18	89.3		CV
Nickel	75-125	56.2275		2.9716	B	52.88	100.7		P
Selenium	75-125	0.4474	B	0.2432	U	1.06	42.3	N	P
Silver	75-125	5.0105		0.0212	U	5.29	94.8		P
Thallium	75-125	4.9946		0.2009	U	5.29	94.5		P
Vanadium	75-125	59.8441		8.3226		52.88	97.4		P
Zinc	75-125	79.3974		24.8408		52.88	103.2		P

Comments:

URS150 M69

U.S. EPA - CLP

6
DUPLICATES

EPA SAMPLE NO
SB-1 (0-2)

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No. SAS No.: SDG No.: URS150

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 94.6 % Solids for Duplicate: 94.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		5202.9183		5552.9518		6.5		P
Antimony		0.1269	U	0.1269	U			P
Arsenic	1.0575	0.9902	B	1.0734		8.1		P
Barium	21.1501	17.2585	B	19.3735	B	11.5		P
Beryllium	0.5288	0.1692	B	0.2009	B	17.1		P
Cadmium		0.0106	U	0.0106	U			P
Calcium	528.7519	861.9713		921.0857		6.6		P
Chromium	1.0575	4.3886		4.9385		11.8		P
Cobalt	5.2875	2.1996	B	2.5697	B	15.5		P
Copper	2.6438	3.7964		4.0185		5.7		P
Iron		5732.7275		6633.7207		14.6		P
Lead		14.7733		15.7039		6.1		P
Magnesium	528.7519	1016.3668		1008.1183		0.8		P
Manganese		83.0986		120.5554		36.8	*	P
Mercury	0.0353	0.0294	B	0.0271	B	8.1		CV
Nickel	4.2300	2.9716	B	3.2571	B	9.2		P
Potassium	528.7519	31.1752	B	129.7557	B	122.5		P
Selenium		0.2432	U	0.2432	U			P
Silver		0.0212	U	0.0212	U			P
Sodium		133.3829	U	133.3829	U			P
Thallium		0.2009	U	0.2009	U			P
Vanadium	5.2875	8.3226		9.1474		9.4		P
Zinc		24.8408		26.9346		8.1		P

URS150 M71

U.S. EPA - CLP

14
ANALYSIS RUN LOG

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No. SAS No.: SDG No.: URS150

Instrument ID Number: ICAP6000 Method: P

Start Date: 06/11/2013 End Date: 06/11/2013

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN	
S0	1.00	1722		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
S	1.00	1726			X																	X						
S	1.00	1731		X						X				X		X												
S	1.00	1735				X									X						X			X				
S	1.00	1739					X	X	X		X	X	X				X		X						X	X		
S	1.00	1744												X									X					
S	1.00	1748																		X			X					
ICV	1.00	1753		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
ICV	1.00	1757												X														
ICB	1.00	1801		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
ZZZZZZ	1.00	1806																										
CRI	1.00	1810			X	X		X	X		X	X	X		X		X		X		X	X		X	X	X		
ICSA	1.00	1814		X		X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X		
ICSAB	1.00	1819		X		X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X		
CCV 1	1.00	1823		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
CCV	1.00	1828												X														
CCB	1.00	1832		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
PBS	1.00	1837		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
LCSS	1.00	1841		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
-3 (0-0.5)	1.00	1845		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
MW-3 (0-2)	1.00	1850		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
MW-3 (2-4)	1.00	1854		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
W-3 (8-10)	1.00	1858		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
-3 (10-12)	1.00	1902		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
-3 (12-14)	1.00	1906		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
-3 (14-16)	1.00	1911		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
-3 (16-18)	1.00	1915		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
CCV 2	1.00	1920		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
CCV	1.00	1924												X														
CCB	1.00	1929		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
-3 (18-20)	1.00	1933		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
SB-1 (0-2)	1.00	1938		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
B-1 (0-2)D	1.00	1942		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
ZZZZZZ	1.00	1946																										
B-1 (0-2)L	5.00	1950		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		

URS150 M91

U.S. EPA - CLP

14
ANALYSIS RUN LOG

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No. SAS No.: SDG No.: URS150

Instrument ID Number: ICAP6000 Method: P

Start Date: 06/11/2013 End Date: 06/11/2013

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
B-1 (0-2)A	1.00	1955																			X						
SB-1 (2-4)	1.00	1959		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
SB-1 (4-6)	1.00	2003		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
SB-1 (6-8)	1.00	2007		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
B-1 (8-10)	1.00	2012		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV 3	1.00	2016		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV	1.00	2021												X													
CCB	1.00	2025		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
-1 (10-12)	1.00	2029		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
-1 (14-16)	1.00	2034		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
-1 (16-18)	1.00	2038		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CRI	1.00	2043			X	X		X	X		X	X	X		X		X		X		X	X		X	X	X	
ICSA	1.00	2047		X		X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
ICSAB	1.00	2051		X		X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
CCV 4	1.00	2056		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV	1.00	2100												X													
CCB	1.00	2105		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	

URS150 M92

URS 149 | 151

CHAIN OF CUSTODY RECORD

URS

PROJECT NO. 11176892.00002 | SITE NAME Old Agway

SAMPLERS (PRINT/SIGNATURE) Tim Burmeier

LAB H2M

COOLER 1 of

PAGE 1 of

DELIVERY SERVICE: FedEx AIRBILL NO.:

TESTS: TCLP VOCs | TAL Metals | TCLP SVOCs | TCLP Pesticides | TCLP Herbicides | TCLP RCRA Metals

BOTTLE TYPE AND PRESERVATIVE: 1 8oz Clear | 2 8oz Amber

LOCATION IDENTIFIER	DATE	TIME	COMP/ GRAB	SAMPLE ID	MATRIX	TOTAL NO. OF CONTAINERS					REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO.# (IRPIMS ONLY)
SB3	5/16/13	09:10	G	SB3 (0-2)	SO	4	1	2	1	1305A25-001 (URS149)	Soil borings	N	0	2	
SB3	5/16/13	09:15	G	SB3 (2-4)	SO	4	1	2	1	-002		N	2	4	
SB3	5/16/13	09:20	G	SB3 (4-6)	SO	4	1	2	1	-003		N	4	6	
SB3	5/16/13	09:25	G	SB3 (6-8)	SO	1 4	1	2	1	-004		N	6	8	
SB3	5/16/13	09:43	G	SB3 (8-10)	SO	1 4	1	2	1	-005		N	8	10	
SB3	5/16/13	09:51	G	SB3 (10-12)	SO	1			1	1305A27-001 (URS151)		N	10	12	
SB3	5/16/13		G	SB3 (12-14)	SO							N	12	14	
SB3	5/16/13	10:10	G	SB3 (14-16)	SO	4	1	2	1	-002	Soil borings	N	14	16	
SB3	5/16/13	10:18	G	SB3 (16-18)	SO	4	1	2	1	-003		N	16	18	
SB3	5/16/13	10:25	G	SB3 (18-20)	SO	4	1	2	1	-004		N	18	20	

MATRIX CODES						
	AA - AMBIENT AIR	SL - SLUDGE	WG - GROUND WATER	WL - LEACHATE	WO - OCEAN WATER	LH - HAZARDOUS LIQUID WASTE
	SE - SEDIMENT	WP - DRINKING WATER	SO - SOIL	GS - SOIL GAS	WS - SURFACE WATER	LF - FLOATING/FREE PRODUCT ON GW TABLE
	SH - HAZARDOUS SOLID WASTE	WW - WASTE WATER	DC - DRILL CUTTINGS	WC - DRILLING WATER	WQ - WATER FIELD QC	

SAMPLE TYPE CODES				
	TB# - TRIP BLANK	RB# - RINSE BLANK	N# - NORMAL ENVIRONMENTAL SAMPLE	(# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)
	SD# - MATRIX SPIKE DUPLICATE	FR# - FIELD REPLICATE	MS# - MATRIX SPIKE	

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
Tim Burmeier	5/16/13	1600		5/17/13	0945
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME
	5-2013	11:00		5-20-13	11:00

SPECIAL INSTRUCTIONS: For questions contact George Kisluk: 716-856-5636

Distribution: Original accompanies shipment, copy to coordinator field files

URSF-075C/1 OF 1/CdCR/GCM

URS151 A13

URS151

CHAIN OF CUSTODY RECORD

URS

PROJECT NO. 11176892.00002 | SITE NAME Adytgway

SAMPLERS (PRINT/SIGNATURE) Tim Bummeier

LAB HZM

COOLER 2 of

PAGE 2 of

DELIVERY SERVICE: Fedex AIRBILL NO.:

TESTS: 8260 TCL VOCs, 8270 TCL SVOCs, TAL Metals

BOTTLE TYPE AND PRESERVATIVE: 8oz clear, 8oz amber, 8oz

LOCATION IDENTIFIER	DATE	TIME	COMP/ GRAB	SAMPLE ID	MATRIX	TOTAL NO.# OF CONTAINERS				REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO.# (IRPIMS ONLY)
SB4	5/16/13	11:35	G	SB4(0-2)	SO	1			1	1305A27-005 Soil borings	N	0	2	
SB4	5/16/13	11:41	G	SB4(2-4)	SO	4	1	2	1	-006	N	2	4	
SB4	5/16/13	1145	G	SB4(4-6)	SO	4	1	2	1	-007	N	4	6	
SB4	5/16/13	1150	G	SB4(6-8)	SO	4	1	2	1	-008	N	6	8	
SB4	5/16/13	1200	G	SB4(8-10)	SO	3	1	2	1	-009	N	8	10	
SB4	5/16/13	1215	G	SB4(10-12)	SO	1	1	2	1	-010	N	10	12	
SB4	5/16/13	1220	G	SB4(12-14)	SO	4	1	2	1	-011	N	12	14	
SB4	5/16/13	1230	G	SB4(14-16)	SO	4	1	2	1	-012	N	14	16	
SB4	5/16/13	1240	G	SB4(16-18)	SO					-013	N	16	18	
SB4	5/16/13	1245	G	SB4(18-20)	SO					-014	N	18	20	
(A)														(A)
(D)														(D)

MATRIX CODES: AA - AMBIENT AIR; SE - SEDIMENT; SH - HAZARDOUS SOLID WASTE; SL - SLUDGE; WP - DRINKING WATER; WW - WASTE WATER; WG - GROUND WATER; SO - SOIL; DC - DRILL CUTTINGS; WL - LEACHATE; GS - SOIL GAS; WC - DRILLING WATER; WO - OCEAN WATER; WS - SURFACE WATER; WQ - WATER FIELD QC; LH - HAZARDOUS LIQUID WASTE; LF - FLOATING/FREE PRODUCT ON GW TABLE

SAMPLE TYPE CODES: TB# - TRIP BLANK; SD# - MATRIX SPIKE DUPLICATE; RB# - RINSE BLANK; FR# - FIELD REPLICATE; N# - NORMAL ENVIRONMENTAL SAMPLE; MS# - MATRIX SPIKE; (# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
Tim Bummeier	5/16/13	1600		5/18/13	0945
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME
	5-20-13	1100		5-20-13	1100

SPECIAL INSTRUCTIONS: For questions, contact George Kisluk 716-856-5634

Distribution: Original accompanies shipment, copy to coordinator field files

URSF-075C/1 OF 1/CdCR/GCM

URS151/154

CHAIN OF CUSTODY RECORD

URS

PROJECT NO. 11176892.00002 SITE NAME Oldenway

SAMPLERS (PRINT/SIGNATURE) Tim Burmeier

LAB HEM

COOLER 3/4 of 4

PAGE 3/4 of 3

DELIVERY SERVICE: Fedex AIRBILL NO.:

TESTS: VOCs; TAL Metals; SVOCs; TCLP; RCRA

BOTTLE TYPE AND PRESERVATIVE: 1oz clear; 8oz amber; 8oz amber; 8oz amber; 4oz amber; 500ml NO3; 40ml HCl

LOCATION IDENTIFIER	DATE	TIME	COMP/ GRAB	SAMPLE ID	MATRIX	TOTAL NO.# OF CONTAINERS	REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO.# (IRPIMS ONLY)
SB4	5/16/13	355	G	SB4 Drum Composite	SO	2	URS154	N	—	—	
SB5	5/16/13	1440	G	SB5(0-2)	SO	4	1305C39-001 Drum Composite	N	—	—	
SB5	5/16/13	1445	G	SB5(2-4)	SO	4	1305A27-015 Soil borings	N	0	2	
SB5	5/16/13	1450	G	SB5(4-6)	SO	4	-016	N	2	4	
SB5	5/16/13	1458	G	SB5(6-8)	SO	4	-017 URS151	N	4	6	
SB5	5/16/13	1504	G	SB5(8-10)	SO	14	-018	N	6	8	
SB5	5/16/13		G	SB5(10-12)	SO		-019	N	8	10	
RB3	5/16/13	1515	G	RB-3	RB	9	-020	N	10	12	
SB6	5/16/13		G	SB6(12-14)	SO		Rinse Blank RB	—	—		
SB6	5/16/13		G	SB6(14-16)	SO		Soil borings	N	12	14	
SB5	5/16/13		G	SB5(16-18)	SO			N	14	16	
SB5	5/16/13		G	SB5(18-20)	SO			N	16	18	
								N	18	20	

MATRIX CODES: AA - AMBIENT AIR; SE - SEDIMENT; SH - HAZARDOUS SOLID WASTE; SL - SLUDGE; WP - DRINKING WATER; WW - WASTE WATER; WG - GROUND WATER; SO - SOIL; DC - DRILL CUTTINGS; WL - LEACHATE; GS - SOIL GAS; WC - DRILLING WATER; WO - OCEAN WATER; WS - SURFACE WATER; WQ - WATER FIELD QC; LH - HAZARDOUS LIQUID WASTE; LF - FLOATING/FREE PRODUCT ON GW TABLE

SAMPLE TYPE CODES: TB# - TRIP BLANK; SD# - MATRIX SPIKE DUPLICATE; RB# - RINSE BLANK; FR# - FIELD REPLICATE; N# - NORMAL ENVIRONMENTAL SAMPLE; MS# - MATRIX SPIKE; (# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
	5/16/13	1600		5/16/13	945
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME
	5-20-13	1100		5-20-13	1100

SPECIAL INSTRUCTIONS: For questions call Gage Kisluk: 716-856-5636

Distribution: Original accompanies shipment, copy to coordinator field files

URSF-075C/1 OF 1/CofCR/GCM

H2M labs

H2M LABS INC
575 Broad Hollow Rd.
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.h2mlabs.com

URS151

Sample Receipt Checklist

Client Name **URS**

Date and Time Received: **5/18/2013 9:45:00 AM**

Work Order Number: **1305A27** RcptNo: **1**

Received by **MelissaWatson**

Completed by: M - Watt

Reviewed by:

Completed Date: 5/22/2013

Reviewed Date: 5/23/2013 10:50:06 AM

Carrier name: FedEx

Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Are matrices correctly identified on Chain of custody?	Yes ☑	No ☐	
Is it clear what analyses were requested?	Yes ☑	No ☐	
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Samples in proper container/bottle?	Yes ☑	No ☐	
Were correct preservatives used and noted?	Yes ☑	No ☐	
Preservative added to bottles:			NA ☐
Sample Condition?	Intact ☑	Broken ☐	Leaking ☐
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
Were container labels complete (ID, Pres, Date)?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
All samples received at a temp. of > 0° C to 6.0° C?	Yes ☐	No ☑	NA ☐
Response when temperature is outside of range:			
Sample Temp. taken and recorded upon receipt?	Yes ☑	No ☐	7.7 To 18.1 °
Water - Were bubbles absent in VOC vials?	Yes ☑	No ☐	No Vials ☐
Water - Was there Chlorine Present?	Yes ☐	No ☐	NA ☑
Water - pH acceptable upon receipt?	Yes ☑	No ☐	No Water ☐
Are Samples considered acceptable?	Yes ☑	No ☐	
Custody Seals present?	Yes ☑	No ☐	
Airbill or Sticker?	Air Bil ☑	Sticker ☐	Not Present ☐
Airbill No:			

Case Number: SDG: URS151 SAS:

Any No response should be detailed in the comments section below, if applicable.

Client Contacted? ☐ Yes ☑ No Person Contacted:

Contact Mode: ☐ Phone: ☐ Fax: ☐ Email: ☐ In Person:

Client Instructions:

Date Contacted: Contacted By:

Regarding:

Comments:

The samples were chilled but the temperatures upon receipt were greater than 6 degrees Celsius. FedEx tracking #s: 8028 4059 9400; 8028 4059 9570; 8028 4059 9558; 8028 4059 9385; 7997 8894 0743.

CorrectiveAction:

URS151 A16

H 2 M labs

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR VOLATILE ORGANICS
SAMPLES RECEIVED: 5/18/13
SDG #: URS151

For Sample(s):

SB-3 (14-16)	SB-4 (14-16)
SB-3 (16-18)	SB-4 (16-18)
SB-3 (18-20)	SB-4 (18-20)
SB-4 (2-4)	SB-5 (0-2)
SB-4 (4-6)	SB-5 (2-4)
SB-4 (6-8)	SB-5 (4-6)
SB-4 (8-10)	SB-5 (6-8)
SB-4 (12-14)	RB-3

The above sample(s) and blank(s) was/were analyzed for a select list of volatile organic analytes by EPA method 8260B.

All Q. C. data and calibrations met the requirements of the method unless discussed below, and no problems were encountered with sample analysis. The following should be noted:

No matrix spike/matrix spike duplicate was submitted. Lab fortified blanks (LFB) were analyzed. All percent recoveries for the LFBs were within Q. C. limits except for high recoveries for 2-hexanone in LFB52213. If found in the samples, results for this analyte are regarded as estimated.

Linear responses with average RFs or linear or quadratic regression calibration were used as required.

In the continuing calibration verifications (CCVs), some compounds exceeded the variability criterion for 8260B of %D of 15%. These compounds are noted on Form VII. Results for these analytes are regarded estimated and are flagged with a "Z" qualifier in the LFB and if found in samples associated with that continuous calibration.

Samples were collected as bulk samples and may be biased low.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: June 18, 2013

****
* *
* *
****

Joann M. Slavin
Senior Vice President

URS151 A3

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS151

Lab File ID: A\A78688.D BFB Injection Date: 05/20/13

Instrument ID: HP5971 BFB Injection Time: 13:58

GC Column: Rtx-624 ID: .18 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.5
75	30.0 - 60.0% of mass 95	45.4
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	68.2
175	5.0 - 9.0% of mass 174	4.7 (7.0)1
176	95.0 - 101.0% of mass 174	68.7 (100.7)1
177	5.0 - 9.0% of mass 176	3.9 (5.6)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050	VSTD050	A\A78689.D	05/20/13	14:11
02	VBLK052013	VBLK052013	A\A78690.D	05/20/13	14:43
03	LFB052013	LFB052013	A\A78691.D	05/20/13	15:13
04	SB-3 (14-16)	1305A27-002A	A\A78705.D	05/20/13	22:24
05	SB-3 (16-18)	1305A27-003A	A\A78706.D	05/20/13	22:54
06	SB-3 (18-20)	1305A27-004A	A\A78707.D	05/20/13	23:24
07	SB-4 (2-4)	1305A27-006A	A\A78708.D	05/20/13	23:54
08	SB-4 (4-6)	1305A27-007A	A\A78709.D	05/21/13	0:26
09	SB-4 (6-8)	1305A27-008A	A\A78710.D	05/21/13	0:55

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS151

Instrument ID: HP5971 Calibration Date: 05/20/13 Time: 14:11

Lab File ID: A\A78689.D Init. Calib. Date(s): 05/15/13 05/16/13

EPA Sample No.(VSTD050##): VSTD050 Init. Calib. Times: 21:44 0:15

Heated Purge: (Y/N) Y

GC Column: Rtx-624 ID: .18 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	3.772	2.716		-28.0	
Chloromethane	4.002	3.937	0.100	-1.6	
Vinyl chloride	3.770	3.336		-11.5	20.0
Bromomethane	1.278	1.377		7.8	
Chloroethane	2.288	1.974		-13.7	
Trichlorofluoromethane	3.685	2.995		-18.7	
1,1-Dichloroethene	2.655	2.388		-10.0	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	2.863	2.412		-15.8	
Acetone	0.571	0.559		-2.1	
Carbon disulfide	10.049	9.373		-6.7	
Methyl Acetate	1.824	1.884		3.3	
Methylene chloride	3.622	3.545		-2.1	
trans-1,2-Dichloroethene	3.072	2.893		-5.8	
Methyl tert-butyl ether	6.141	6.706		9.2	
1,1-Dichloroethane	5.254	5.276	0.100	0.4	
cis-1,2-Dichloroethene	3.188	3.174		-0.4	
2-Butanone	0.926	1.089		17.6	
Chloroform	4.878	4.827		-1.0	20.0
1,1,1-Trichloroethane	0.562	0.554		-1.4	
Cyclohexane	0.853	0.797		-6.6	
Carbon tetrachloride	0.482	0.457		-5.1	
Benzene	1.801	1.927		7.0	
1,2-Dichloroethane	2.682	3.015		12.4	
Trichloroethene	0.477	0.473		-0.8	
Methylcyclohexane	0.781	0.703		-9.9	
1,2-Dichloropropane	0.452	0.513		13.4	20.0
Bromodichloromethane	0.504	0.575		14.0	
cis-1,3-Dichloropropene	0.642	0.747		16.4	
4-Methyl-2-pentanone	0.419	0.493		17.6	
Toluene	2.129	2.127		-0.1	20.0
trans-1,3-Dichloropropene	0.540	0.648		20.1	
1,1,2-Trichloroethane	0.310	0.360		16.3	
Tetrachloroethene	0.430	0.370		-14.0	
2-Hexanone	0.256	0.317		23.7	
Dibromochloromethane	0.333	0.377		13.4	

All other compounds must meet a minimum RRF of 0.010.

URS151 V194

7B

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS151

Instrument ID: HP5971 Calibration Date: 05/20/13 Time: 14:11

Lab File ID: A\A78689.D Init. Calib. Date(s): 05/15/13 05/16/13

EPA Sample No.(VSTD050##): VSTD050 Init. Calib. Times: 21:44 0:15

Heated Purge: (Y/N) Y

GC Column: Rtx-624 ID: .18 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
1,2-Dibromoethane	0.373	0.439		17.8	
Chlorobenzene	1.370	1.394	0.300	1.7	
Ethylbenzene	0.706	0.711		0.7	20.0
Xylene (total)	0.839	0.855		1.8	
Styrene	1.248	1.398		12.0	
Bromoform	0.180	0.214	0.100	19.0	
Isopropylbenzene	2.151	2.058		-4.3	
1,1,2,2-Tetrachloroethane	0.436	0.530	0.300	21.6	
1,3-Dichlorobenzene	0.893	0.956		7.1	
1,4-Dichlorobenzene	0.914	0.964		5.4	
1,2-Dichlorobenzene	0.801	0.877		9.5	
1,2-Dibromo-3-chloropropane	0.050	0.065		30.1	
1,2,4-Trichlorobenzene	0.257	0.262		1.9	

All other compounds must meet a minimum RRF of 0.010.

URS151 V195

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS151

Lab File ID: A\A78713.D BFB Injection Date: 05/22/13

Instrument ID: HP5971 BFB Injection Time: 15:45

GC Column: Rtx-624 ID: .18 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.8
75	30.0 - 60.0% of mass 95	47.7
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.2 (0.3)1
174	Greater than 50.0% of mass 95	70.4
175	5.0 - 9.0% of mass 174	4.7 (6.7)1
176	95.0 - 101.0% of mass 174	67.9 (96.4)1
177	5.0 - 9.0% of mass 176	4.3 (6.3)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050	VSTD050	A\A78714.D	05/22/13	16:54
02	VBLK052213	VBLK052213	A\A78715.D	05/22/13	17:25
03	LFB052213	LFB052213	A\A78716.D	05/22/13	17:56
04	SB-4 (8-10)	1305A27-009A	A\A78718.D	05/22/13	18:57
05	SB-4 (12-14)	1305A27-011A	A\A78719.D	05/22/13	19:27
06	SB-4 (14-16)	1305A27-012A	A\A78720.D	05/22/13	19:57
07	SB-4 (16-18)	1305A27-013A	A\A78721.D	05/22/13	20:27
08	SB-4 (18-20)	1305A27-014A	A\A78722.D	05/22/13	20:58
09	SB-5 (0-2)	1305A27-015A	A\A78723.D	05/22/13	21:28
10	SB-5 (2-4)	1305A27-016A	A\A78724.D	05/22/13	21:59
11	SB-5 (4-6)	1305A27-017A	A\A78725.D	05/22/13	22:29
12	SB-5 (6-8)	1305A27-018A	A\A78726.D	05/22/13	22:59

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS151

Instrument ID: HP5971 Calibration Date: 05/22/13 Time: 16:54

Lab File ID: A\A78714.D Init. Calib. Date(s): 05/15/13 05/16/13

EPA Sample No.(VSTD050##): VSTD050 Init. Calib. Times: 21:44 0:15

Heated Purge: (Y/N) Y

GC Column: Rtx-624 ID: .18 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	3.772	2.390		-36.6	
Chloromethane	4.002	3.328	0.100	-16.8	
Vinyl chloride	3.770	3.044		-19.3	20.0
Bromomethane	1.278	1.233		-3.5	
Chloroethane	2.288	1.910		-16.5	
Trichlorofluoromethane	3.685	2.786		-24.4	
1,1-Dichloroethene	2.655	2.155		-18.8	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	2.863	2.215		-22.6	
Acetone	0.571	0.599		4.9	
Carbon disulfide	10.049	8.259		-17.8	
Methyl Acetate	1.824	1.699		-6.9	
Methylene chloride	3.622	2.888		-20.3	
trans-1,2-Dichloroethene	3.072	2.508		-18.4	
Methyl tert-butyl ether	6.141	6.081		-1.0	
1,1-Dichloroethane	5.254	4.781	0.100	-9.0	
cis-1,2-Dichloroethene	3.188	2.756		-13.5	
2-Butanone	0.926	1.093		18.0	
Chloroform	4.878	4.381		-10.2	20.0
1,1,1-Trichloroethane	0.562	0.519		-7.7	
Cyclohexane	0.853	0.766		-10.2	
Carbon tetrachloride	0.482	0.420		-12.8	
Benzene	1.801	1.738		-3.5	
1,2-Dichloroethane	2.682	2.624		-2.2	
Trichloroethene	0.477	0.428		-10.2	
Methylcyclohexane	0.781	0.652		-16.5	
1,2-Dichloropropane	0.452	0.468		3.5	20.0
Bromodichloromethane	0.504	0.542		7.5	
cis-1,3-Dichloropropene	0.642	0.699		8.9	
4-Methyl-2-pentanone	0.419	0.550		31.2	
Toluene	2.129	1.994		-6.3	20.0
trans-1,3-Dichloropropene	0.540	0.593		9.9	
1,1,2-Trichloroethane	0.310	0.345		11.4	
Tetrachloroethene	0.430	0.343		-20.3	
2-Hexanone	0.256	0.378		47.5	
Dibromochloromethane	0.333	0.345		3.7	

All other compounds must meet a minimum RRF of 0.010.

URS151 V200

7B

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS151

Instrument ID: HP5971 Calibration Date: 05/22/13 Time: 16:54

Lab File ID: A\A78714.D Init. Calib. Date(s): 05/15/13 05/16/13

EPA Sample No.(VSTD050##): VSTD050 Init. Calib. Times: 21:44 0:15

Heated Purge: (Y/N) Y

GC Column: Rtx-624 ID: .18 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
1,2-Dibromoethane	0.373	0.391		4.9	
Chlorobenzene	1.370	1.253	0.300	-8.6	
Ethylbenzene	0.706	0.652		-7.7	20.0
Xylene (total)	0.839	0.782		-6.8	
Styrene	1.248	1.209		-3.1	
Bromoform	0.180	0.202	0.100	12.4	
Isopropylbenzene	2.151	1.854		-13.8	
1,1,2,2-Tetrachloroethane	0.436	0.509	0.300	16.7	
1,3-Dichlorobenzene	0.893	0.839		-6.0	
1,4-Dichlorobenzene	0.914	0.810		-11.4	
1,2-Dichlorobenzene	0.801	0.754		-5.9	
1,2-Dibromo-3-chloropropane	0.050	0.061		22.1	
1,2,4-Trichlorobenzene	0.257	0.187		-27.3	

All other compounds must meet a minimum RRF of 0.010.

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS151

Lab File ID: 13\G19195. BFB Injection Date: 05/21/13

Instrument ID: HP5972-2 BFB Injection Time: 11:27

GC Column: Rtx-624 ID: .18 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.9
75	30.0 - 60.0% of mass 95	43.1
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	83.8
175	5.0 - 9.0% of mass 174	6.2 (7.4)1
176	95.0 - 101.0% of mass 174	82.6 (98.6)1
177	5.0 - 9.0% of mass 176	5.3 (6.5)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050	VSTD050	13\G19196.	05/21/13	11:43
02	VBLK052113	VBLK052113	13\G19197.	05/21/13	12:12
03	RB-3	1305A27-020A	13\G19209.	05/21/13	18:07

URS151 V19

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS151

Instrument ID: HP5972-2 Calibration Date: 05/21/13 Time: 11:43

Lab File ID: 13\G19196. Init. Calib. Date(s): 03/16/13 03/16/13

EPA Sample No.(VSTD050##): VSTD050 Init. Calib. Times: 14:38 18:06

Heated Purge: (Y/N) N

GC Column: Rtx-624 ID: .18 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	3.043	2.517		-17.3	
Chloromethane	3.649	3.555	0.100	-2.6	
Vinyl chloride	3.320	3.081		-7.2	20.0
Bromomethane	1.674	1.979		18.2	
Chloroethane	1.941	1.997		2.9	
Trichlorofluoromethane	2.727	2.798		2.6	
1,1-Dichloroethene	1.868	1.510		-19.2	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.897	1.376		-27.5	
Acetone	1.018	0.740		-27.3	
Carbon disulfide	7.631	5.915		-22.5	
Methyl Acetate	2.773	2.478		-10.6	
Methylene chloride	2.665	2.509		-5.8	
trans-1,2-Dichloroethene	2.095	1.927		-8.0	
Methyl tert-butyl ether	7.087	7.088		0.0	
1,1-Dichloroethane	4.474	4.242	0.100	-5.2	
cis-1,2-Dichloroethene	2.239	2.264		1.1	
2-Butanone	1.656	1.277		-22.9	
Chloroform	3.716	3.706		-0.3	20.0
1,1,1-Trichloroethane	0.511	0.456		-10.7	
Cyclohexane	0.720	0.498		-30.8	
Carbon tetrachloride	0.421	0.366		-13.0	
Benzene	1.601	1.509		-5.7	
1,2-Dichloroethane	3.325	3.400		2.2	
Trichloroethene	0.399	0.366		-8.4	
Methylcyclohexane	0.449	0.346		-23.0	
1,2-Dichloropropane	0.471	0.460		-2.2	20.0
Bromodichloromethane	0.539	0.567		5.1	
cis-1,3-Dichloropropene	0.680	0.713		4.9	
4-Methyl-2-pentanone	0.752	0.608		-19.2	
Toluene	1.667	1.540		-7.6	20.0
trans-1,3-Dichloropropene	0.667	0.708		6.1	
1,1,2-Trichloroethane	0.359	0.369		2.7	
Tetrachloroethene	0.294	0.256		-13.0	
2-Hexanone	0.513	0.426		-17.0	
Dibromochloromethane	0.392	0.430		9.6	

All other compounds must meet a minimum RRF of 0.010.

URS151 V234

7B

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS151

Instrument ID: HP5972-2 Calibration Date: 05/21/13 Time: 11:43

Lab File ID: 13\G19196. Init. Calib. Date(s): 03/16/13 03/16/13

EPA Sample No.(VSTD050##): VSTD050 Init. Calib. Times: 14:38 18:06

Heated Purge: (Y/N) N

GC Column: Rtx-624 ID: .18 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
1,2-Dibromoethane	0.434	0.456		5.2	
Chlorobenzene	1.087	1.058	0.300	-2.7	
Ethylbenzene	0.533	0.474		-11.0	20.0
Xylene (total)	0.651	0.611		-6.2	
Styrene	1.067	1.028		-3.7	
Bromoform	0.252	0.290	0.100	15.1	
Isopropylbenzene	1.551	1.362		-12.2	
1,1,2,2-Tetrachloroethane	0.565	0.583	0.300	3.2	
1,3-Dichlorobenzene	0.737	0.763		3.5	
1,4-Dichlorobenzene	0.764	0.792		3.7	
1,2-Dichlorobenzene	0.714	0.751		5.2	
1,2-Dibromo-3-chloropropane	0.096	0.089		-7.7	
1,2,4-Trichlorobenzene	0.374	0.355		-5.1	

All other compounds must meet a minimum RRF of 0.010.

URS151 V235

H 2 M labs

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR SEMIVOLATILE ORGANICS
SAMPLES RECEIVED: 5/18/13
SDG #: URS151

For Sample(s):

SB-3 (10-12)	SB-4 (6-8)	SB-5 (0-2)
SB-3 (14-16)	SB-4 (8-10)	SB-5 (2-4)
SB-3 (16-18)	SB-4 (10-12)	SB-5 (4-6)
SB-3 (18-20)	SB-4 (12-14)	SB-5 (6-8)
SB-4 (0-2)	SB-4 (14-16)	SB-5 (8-10)
SB-4 (2-4)	SB-4 (16-18)	RB-3
SB-4 (4-6)	SB-4 (18-20)	

The above soil sample(s) and blank(s) was/were analyzed for a select list of base/neutral/acid extractables by EPA method 8270C.

All Q. C. data and calibrations met the requirements of the method unless discussed below, and no problems were encountered with sample analysis. The following should be noted:

All soil extracts were subjected to GPC cleanup.

All percent recoveries for the three lab fortified blanks were within Q. C. limits with the exception of low recoveries for acetophenone and 2,4-dimetylphenol in the soil LFB. The analytes were not detected in the samples, and no data are affected.

No sample was submitted for matrix spike/ matrix spike duplicate (MS/MSD), but sample SB-5 (2-4) was selected for in-house Q. C. batch Q. C. MS/MSD analysis. All 65 targeted compounds were spiked. Apart from the low compounds in the LFB, the following analytes had recoveries below Q. C. levels in the MS/MSD extracts: 3,3'-dichlorobenzidine was low in the MS, and the same compound and benzo(a)pyrene and dibenzo(a,h)anthracene were low in the MSD.

The internal standard 6 (IS 6) had areas below the acceptable area in samples SB-4 (6-8) and SB-4 (8-10). The samples were reanalyzed at dilutions. Both dilution still had very low areas for IS 6 (below the set limit in sample SB-4 (6-8)DL) confirming matrix interference.

All CCC and SPCC calibration requirements were met. In the initial calibrations, average response factors were employed as applicable, and linear or quadratic regression functions were used for RSDs above 15%. No acceptable functions were found for benzaldehyde, acetophenone and atrazine. Linear calibration was used for these analytes, and results are regarded estimated and are flagged for the LFB with the qualifier "Z". The compounds were not found in the samples.

In the continuing calibration verifications (CCV) some compounds had %Ds above 15%. These compounds are noted on Form VII. Results for these analytes are flagged with a "Z" qualifier in the LFB and if found in the samples, indicating that they are regarded estimated.

H 2 M labs

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR SEMIVOLATILE ORGANICS
SAMPLES RECEIVED: 5/18/13
SDG #: URS151

The method blanks for water and soil contained bis(2-ethylhexyl)phthalate below reporting limit and several unidentified TICs at low levels. All analytes found in the blanks were flagged with the qualifier "B" in the associated samples.

TICs identified as siloxanes are suspected to be column bleed from the analytical column and were flagged with the qualifier "X".

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: June 12, 2013

Date Revised: September 10, 2013

****
* *
* *
****

Ursula Middel
Technical Manager

URS151 A5 Revised CLG Sep-10-13

3A

SYSTEM MONITORING SPIKE RECOVERY

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No.: URS SAS No.: SDG No.: URS151

Sample ID LFB-39883 Level: (low/med) LOW

Column ID Rxi-5SILMS Column Diam 0.25

Inst. ID HP5973N Init. Calib. Date(s): 05/10/13 10:26

Analysis Date: 06/03/13 15:18 05/10/13 14:18

COMPOUND	SPIKE ADDED (µg/Kg)	SAMPLE CONCENTRATION (µg/Kg)	SPIKE CONCENTRATION (µg/Kg)	SPIKE % REC #	QC. LIMITS REC.
Benzaldehyde	1700	0	1500	90	10-226
Phenol	1700	0	950	57	38-104
Bis(2-chloroethyl)ether	1700	0	900	54	32-116
2-Chlorophenol	1700	0	970	58	36-109
2-Methylphenol	1700	0	860	52	36-104
2,2'-oxybis(1-chloropropane)	1700	0	670	40	33-116
Acetophenone	1700	0	780	47*	60-140
4-Methylphenol	1700	0	830	50	26-119
N-Nitroso-di-n-propylamine	1700	0	790	47	33-109
Hexachloroethane	1700	0	910	55	34-105
Nitrobenzene	1700	0	880	53	36-119
Isophorone	1700	0	950	57	14-129
2-Nitrophenol	1700	0	1100	64	36-117
2,4-Dimethylphenol	1700	0	340	21*	24-96
Bis(2-chloroethoxy)methane	1700	0	990	60	29-112
2,4-Dichlorophenol	1700	0	1200	69	41-117
Naphthalene	1700	0	1000	60	18-142
4-Chloroaniline	1700	0	990	59	29-88
Hexachlorobutadiene	1700	0	950	57	36-118
Caprolactam	1700	0	1100	65	40-105
4-Chloro-3-methylphenol	1700	0	1000	63	45-118
2-Methylnaphthalene	1700	0	1000	62	31-135
Hexachlorocyclopentadiene	1700	0	720	43	10-97
2,4,6-Trichlorophenol	1700	0	1100	68	45-110
2,4,5-Trichlorophenol	1700	0	1100	69	45-111
1,1'-Biphenyl	1700	0	1200	71	51-99
2-Chloronaphthalene	1700	0	1000	60	35-107
2-Nitroaniline	1700	0	960	58	42-118
Dimethylphthalate	1700	0	1100	66	49-112
2,6-Dinitrotoluene	1700	0	1100	67	50-109

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 2 out of 65 outside limits

COMMENTS:

URS151 B13

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No.: URS SAS No.: SDG No.: URS151

Matrix Spike - EPA Sample No.: SB-5 (2-4) Level: (low/med) LOW

COMPOUND	SPIKE ADDED (µg/Kg)	SAMPLE CONCENTRATION (µg/Kg)	MS CONCENTRATION (µg/Kg)	MS % REC #	QC. LIMITS REC.
Benzaldehyde	1800	0	1500	88	10-226
Phenol	1800	0	980	55	38-104
Bis(2-chloroethyl)ether	1800	0	1000	57	32-116
2-Chlorophenol	1800	0	1000	58	36-109
2-Methylphenol	1800	0	950	54	36-104
2,2'-oxybis(1-chloropropane)	1800	0	720	41	33-116
Acetophenone	1800	0	870	49*	60-140
4-Methylphenol	1800	0	920	52	26-119
N-Nitroso-di-n-propylamine	1800	0	870	49	33-109
Hexachloroethane	1800	0	830	47	34-105
Nitrobenzene	1800	0	950	54	36-119
Isophorone	1800	0	1000	59	14-129
2-Nitrophenol	1800	0	1200	68	36-117
2,4-Dimethylphenol	1800	0	300	17*	24-96
Bis(2-chloroethoxy)methane	1800	0	1100	60	29-112
2,4-Dichlorophenol	1800	0	1200	69	41-117
Naphthalene	1800	0	1100	61	18-142
4-Chloroaniline	1800	0	530	30	29-88
Hexachlorobutadiene	1800	0	1000	59	36-118
Caprolactam	1800	0	1300	76	40-105
4-Chloro-3-methylphenol	1800	0	1100	64	45-118
2-Methylnaphthalene	1800	0	1100	64	31-135
Hexachlorocyclopentadiene	1800	0	610	35	10-97
2,4,6-Trichlorophenol	1800	0	1200	66	45-110
2,4,5-Trichlorophenol	1800	0	1200	69	45-111
1,1'-Biphenyl	1800	0	1300	73	51-99
2-Chloronaphthalene	1800	0	1100	60	35-107
2-Nitroaniline	1800	0	1000	57	42-118
Dimethylphthalate	1800	0	1200	66	49-112
2,6-Dinitrotoluene	1800	0	1200	66	50-109
Acenaphthylene	1800	0	1100	62	43-107

Column to be used to flag recovery and RPD values with an asterisk

*** Values outside of QC limits**

RPD: 0 out of 65 outside limits

Spike Recovery: 8 out of 130 outside limits

COMMENTS:

URS151 B5

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS151

Matrix Spike - EPA Sample No.: SB-5 (2-4) Level: (low/med) LOW

COMPOUND	SPIKE ADDED (µg/Kg)	MSD CONCENTRATION (µg/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Benzaldehyde	1800	1400	78	12	30	10-226
Phenol	1800	980	56	2	30	38-104
Bis(2-chloroethyl)ether	1800	950	54	5	30	32-116
2-Chlorophenol	1800	990	56	4	30	36-109
2-Methylphenol	1800	1000	59	9	30	36-104
2,2'-oxybis(1-chloropropane)	1800	690	39	5	30	33-116
Acetophenone	1800	770	44*	11	30	60-140
4-Methylphenol	1800	860	49	6	30	26-119
N-Nitroso-di-n-propylamine	1800	820	46	6	30	33-109
Hexachloroethane	1800	870	49	4	30	34-105
Nitrobenzene	1800	890	51	6	30	36-119
Isophorone	1800	960	54	9	30	14-129
2-Nitrophenol	1800	1100	62	6	30	36-117
2,4-Dimethylphenol	1800	300	17*	0	30	24-96
Bis(2-chloroethoxy)methane	1800	1000	57	5	30	29-112
2,4-Dichlorophenol	1800	1100	65	6	30	41-117
Naphthalene	1800	1000	57	7	30	18-142
4-Chloroaniline	1800	540	31	3	30	29-88
Hexachlorobutadiene	1800	970	55	7	30	36-118
Caprolactam	1800	1200	66	14	30	40-105
4-Chloro-3-methylphenol	1800	1100	60	6	30	45-118
2-Methylnaphthalene	1800	1100	60	6	30	31-135
Hexachlorocyclopentadiene	1800	580	33	6	30	10-97
2,4,6-Trichlorophenol	1800	1100	63	5	30	45-110
2,4,5-Trichlorophenol	1800	1100	65	6	30	45-111
1,1'-Biphenyl	1800	1100	62	16	30	51-99
2-Chloronaphthalene	1800	1000	57	5	30	35-107
2-Nitroaniline	1800	930	53	7	30	42-118
Dimethylphthalate	1800	1100	61	8	30	49-112
2,6-Dinitrotoluene	1800	1100	63	5	30	50-109

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 65 outside limits

Spike Recovery: 8 out of 130 outside limits

COMMENTS: _____

URS151 B7

1D

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MB-39883

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS151

Matrix: (soil/water) SOIL Lab Sample ID: MB-39883

Sample wt/vol: 15.05 (g/mL) g Lab File ID: 3\N58404.D

Level: (low/med) LOW Date Received:

% Moisture: Decanted: (Y/N) N Date Extracted: 05/28/13

Concentrated Extract Volume: 500 (µL) Date Analyzed: 06/03/13

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
121-14-2	2,4-Dinitrotoluene	330	U
84-66-2	Diethylphthalate	330	U
86-73-7	Fluorene	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
100-01-6	4-Nitroaniline	830	U
534-52-1	4,6-Dinitro-2-methylphenol	830	U
86-30-6	N-Nitrosodiphenylamine	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
1912-24-9	Atrazine	330	U
87-86-5	Pentachlorophenol	500	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
86-74-8	Carbazole	330	U
84-74-2	Di-n-butyl phthalate	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
85-68-7	Butyl benzyl phthalate	330	U
91-94-1	3,3'-Dichlorobenzidine	330	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
117-81-7	Bis(2-ethylhexyl)phthalate	72	J
117-84-0	Di-n-octyl phthalate	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenzo(a,h)anthracene	200	U
191-24-2	Benzo(g,h,i)perylene	330	U

(1) Cannot be separated from Diphenylamine

URS151 B789

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

MB-39883

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS151

Lab File ID: 3\N58404.D Lab Sample ID: MB-39883

Instrument ID: HP5973N Date Extracted: 05/28/13

Matrix: (soil/water) SOIL Date Analyzed: 06/03/13

Level: (low/med) LOW Time Analyzed: 14:47

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
1	LFB-39883	LFB-39883	3\N58405.D	6/3/2013
2	SB-3 (10-12)	1305A27-001B	3\N58406.D	6/3/2013
3	SB-3 (14-16)	1305A27-002B	3\N58407.D	6/3/2013
4	SB-3 (16-18)	1305A27-003B	3\N58408.D	6/3/2013
5	SB-3 (18-20)	1305A27-004B	3\N58409.D	6/3/2013
6	SB-4 (0-2)	1305A27-005B	3\N58410.D	6/3/2013
7	SB-4 (2-4)	1305A27-006B	3\N58411.D	6/3/2013
8	SB-4 (4-6)	1305A27-007B	3\N58412.D	6/3/2013
9	SB-4 (12-14)	1305A27-011B	3\N58413.D	6/3/2013
10	SB-4 (14-16)	1305A27-012B	3\N58414.D	6/3/2013
11	SB-4 (16-18)	1305A27-013B	3\N58415.D	6/3/2013
12	SB-4 (18-20)	1305A27-014B	3\N58416.D	6/3/2013
13	SB-5 (0-2)	1305A27-015B	3\N58417.D	6/3/2013
14	SB-5 (2-4)	1305A27-016B	3\N58418.D	6/3/2013
15	SB-5 (2-4)MS	1305A27-016BMS	3\N58419.D	6/3/2013
16	SB-5 (2-4)MSD	1305A27-016BMSD	3\N58420.D	6/3/2013
17	SB-5 (4-6)	1305A27-017B	3\N58447.D	6/4/2013
18	SB-5 (8-10)	1305A27-019B	3\N58448.D	6/4/2013
19	SB-4 (10-12)	1305A27-010B	3\N58449.D	6/4/2013
20	SB-4 (8-10)	1305A27-009B	3\N58450.D	6/4/2013
21	SB-4 (6-8)	1305A27-008B	3\N58452.D	6/4/2013
22	SB-4 (8-10)DL	1305A27-009BDL	3\N58465.D	6/5/2013
23	SB-4 (6-8)DL	1305A27-008BDL	3\N58466.D	6/5/2013
24	SB-5 (6-8)	1305A27-018B	3\N58467.D	6/5/2013

COMMENTS: _____

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS151

EPA Sample No.(SSTD050##): SSTD025 Date Analyzed: 06/04/13

Lab File ID (Standard): 3\N58430.D Time Analyzed: 11:41

Instrument ID: HP5973N GC Column: Rxi-5SIL ID: 0.25 (mm)

		IS4 AREA #	RT #	IS5 AREA #	RT #	IS6 AREA #	RT #
	12 HOUR STD	210585	13.01	211075	15.76	175405	17.11
	UPPER LIMIT	421170	13.51	422150	16.26	350810	17.61
	LOWER LIMIT	105293	12.51	105538	15.26	87703	16.61
	EPA SAMPLE NO.						
01	SB-5 (4-6)	242573	12.99	222642	15.75	169562	17.09
02	SB-5 (8-10)	271430	13.00	252785	15.75	185774	17.10
03	SB-4 (10-12)	227328	13.00	224169	15.77	118279	17.12
04	SB-4 (8-10)	223206	13.01	147068	15.78	61419*	17.13
05	SB-4 (6-8)	203687	13.01	100128*	15.78	50365*	17.15

IS4 = Phenanthrene-d10
IS5 = Chrysene-d12
IS6 = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS151

EPA Sample No.(SSTD050##): SSTD025 Date Analyzed: 06/05/13

Lab File ID (Standard): 3\N58459.D Time Analyzed: 12:33

Instrument ID: HP5973N GC Column: Rxi-5SIL ID: 0.25 (mm)

		IS4 AREA #	RT #	IS5 AREA #	RT #	IS6 AREA #	RT #
	12 HOUR STD	166663	12.99	168873	15.74	140159	17.07
	UPPER LIMIT	333326	13.49	337746	16.24	280318	17.57
	LOWER LIMIT	83332	12.49	84437	15.24	70080	16.57
	EPA SAMPLE NO.						
01	SB-4 (8-10)DL	150935	12.98	162520	15.74	90769	17.08
02	SB-4 (6-8)DL	151599	12.98	136382	15.74	63692*	17.08
03	SB-5 (6-8)	182252	12.98	158647	15.74	75198	17.08

IS4 = Phenanthrene-d10
IS5 = Chrysene-d12
IS6 = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

Form 6

SVOCS IN SOIL INITIAL CALIBRATION DATA

Lab Name: H2M LABS INC Contract: H2M LABS INC

Lab Code: H2M Case No.: URS SAS No.: SDG No.: URS151

Instrument ID: HP5973N Calibration Dates: 5/10/2013 5/10/2013

Heated Purge: (Y/N) N Calibration Times: 10:26 14:18

GC Column: Rxi-5SILMS ID: 0.25 (mm)

LAB FILE ID: STD001= N57859.D STD005= N57857.D STD010= N57856.D STD025= N57852.D STD040= N57855.D

STD060= N57854.D STD080= N57853.D

COMPOUND	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7				RRF	% RSD	R ²
3-Methylphenol/4-Methylphenol	1.4477457	1.5252549	1.5455665	1.6525435	1.5842693	1.5031925	1.68396052				1.563	5.3	
Benzidine	0	0.1738835	0.2792381	0.3804365	0.3193456	0.3014267	0.27281247				0.288	23.6	
Benzoic acid	0	0	0.0335130	0.0652701	0.0842795	0.0713536	0.08733977				0.068	31.4	
Benzyl alcohol	0.6623727	0.8620544	0.9154058	0.7316159	0.9466763	0.9038714	0.94219442				0.852	13.1	
Octachlorocyclopentene	0	0.1083065	0.1205368	0.1293568	0.141384	0.1503996	0.15676454				0.134	13.7	
Benzaldehyde	1.3735023	0.5475354	1.1380086	1.2711782	0.9928462	0.6591483	0.43580336				0.917	40.4	
Aniline	2.1184293	2.3023092	2.4130776	2.5603874	2.5712510	2.4999158	2.80250004				2.467	8.8	
N-Nitrosodimethylamine	1.1709952	1.1690165	1.1466987	1.1760902	1.1431701	1.0568255	1.13951346				1.143	3.6	
Phenol *	2.0405845	2.1490468	2.1423254	2.1743429	2.3465147	2.1800034	2.38353473				2.202	5.5	*
Bis(2-chloroethyl)ether	1.9782533	1.9817946	1.8032411	1.8392922	1.7288764	1.5204904	1.62547333				1.782	9.7	
Pyridine	2.0325507	2.0257623	1.9723445	2.0690770	1.9822125	1.8429277	1.96773759				1.985	3.7	
2-Chlorophenol	1.5153404	1.5535466	1.5221853	1.5680805	1.5865296	1.4892611	1.66653343				1.557	3.8	
2-Methylphenol	1.3926172	1.4109014	1.4012879	1.4375859	1.4102624	1.3175616	1.45412242				1.403	3.1	
2,2'-oxybis(1-chloropropane)	2.6425653	2.6208878	2.5201047	2.6436584	2.424407	2.2574931	2.43933759				2.507	5.7	
Acetophenone	5.9195235	3.5735007	3.1014083	2.2173643	2.0716006	1.7148628	1.99770276				2.942	50.0	
4-Methylphenol	1.4477457	1.5252549	1.5455665	1.6525435	1.5842693	1.5031925	1.68396052				1.563	5.3	
N-Nitroso-di-n-propylamine *	1.2197521	1.2577638	1.2330054	1.2935606	1.2077488	1.1186444	1.22910180				1.223	4.4	*
Hexachloroethane	0.7416026	0.7084797	0.6695917	0.6940784	0.6848969	0.6387645	0.71278968				0.693	4.8	
Nitrobenzene	0.4571916	0.4636460	0.4286347	0.4518011	0.4433206	0.4236415	0.46225892				0.447	3.6	
Isophorone	0.759779	0.7773823	0.7516978	0.8172535	0.7874491	0.7550581	0.81737565				0.781	3.6	
2-Nitrophenol *	0.1695363	0.1974583	0.1962956	0.20862	0.210351	0.2011526	0.22098392				0.201	8.1	*
2,4-Dimethylphenol	0.3383682	0.3645545	0.3494989	0.364238	0.3841800	0.3701604	0.40885012				0.369	6.2	
Bis(2-chloroethoxy)methane	0.4598681	0.4989369	0.4750583	0.5114786	0.495655	0.4801074	0.52775666				0.493	4.7	

URS151 B687

Form 6

SVOCS IN SOIL INITIAL CALIBRATION DATA

Lab Name: H2M LABS INC Contract: H2M LABS INC

Lab Code: H2M Case No.: URS SAS No.: SDG No.: URS151

Instrument ID: HP5973N Calibration Dates: 5/10/2013 5/10/2013

Heated Purge: (Y/N) N Calibration Times: 10:26 14:18

GC Column: Rxi-5SILMS ID: 0.25 (mm)

LAB FILE ID: STD001= N57859.D STD005= N57857.D STD010= N57856.D STD025= N57852.D STD040= N57855.D

STD060= N57854.D STD080= N57853.D

COMPOUND	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7				RRF	% RSD	R ²	
1,2,4,5-Tetrachlorobenzene	0.5024056	0.5245604	0.5117019	0.5698507	0.5941750	0.5136753	0.61178203				0.547	8.1		
Fluorene	1.258928	1.3196051	1.2894993	1.4283120	1.4551706	1.3828922	1.57272843				1.387	7.9		
4-Chlorophenyl-phenylether	0.5171783	0.5880198	0.5640654	0.6153119	0.6322561	0.6156425	0.7273281				0.609	10.7		
4-Nitroaniline	0.157078	0.2673278	0.2853845	0.3211933	0.3128904	0.2966012	0.33706159				0.283	21.2		
4,6-Dinitro-2-methylphenol	0	0.109743	0.1181535	0.1395527	0.1544755	0.1482039	0.16728368				0.140	15.7		
N-Nitrosodiphenylamine *	0.6172203	0.6824646	0.6716261	0.7275465	0.7627448	0.7361413	0.82485389				0.718	9.4	*	
1,2-Diphenylhydrazine	0.9792542	1.0384356	0.9861148	1.0698598	1.0842896	1.0265261	1.11133331				1.042	4.7		
4-Bromophenyl-phenylether	0.1878418	0.2122248	0.2049272	0.2236324	0.2452577	0.2370412	0.27190464				0.226	12.4		
Hexachlorobenzene	0.2243616	0.224307	0.2206948	0.240966	0.2590064	0.2493851	0.28682687				0.244	9.8		
Atrazine	0.1750056	0.1891428	0.1664839	0.170131	0.1449938	0.1010514	0.09482706				0.149	25.0		
Pentachlorophenol *	0	0.0727684	0.095616	0.1189962	0.1425332	0.1447382	0.17716255				0.125	30.0	*	
Phenanthrene	1.1454011	1.1479818	1.1078346	1.2412094	1.2975651	1.2554082	1.45760176				1.236	9.7		
Anthracene	1.1520904	1.2183495	1.1570458	1.2649701	1.3133381	1.2641779	1.43368524				1.258	7.8		
Carbazole	0.7618531	0.9723183	0.9900956	1.1119985	1.1606242	1.1146187	1.26704335				1.054	15.5		
Di-n-butyl phthalate	1.1784859	1.3766376	1.3486490	1.4817425	1.4640165	1.3807263	1.62939625				1.409	9.9		
Fluoranthene *	1.0572655	1.1983766	1.1648605	1.2910598	1.3172891	1.2627290	1.50291769				1.256	11.1	*	
Pyrene	1.2925278	1.3114615	1.2439673	1.2816281	1.3301297	1.2538696	1.30195928				1.288	2.4		
Butyl benzyl phthalate	0.5948877	0.6511381	0.6354472	0.6827562	0.6952879	0.6649466	0.74836683				0.668	7.3		
3,3'-Dichlorobenzidine	0.2725997	0.3188927	0.3409586	0.3833775	0.4264786	0.4506088	0.49676219				0.384	20.6		
Benzo(a)anthracene	1.2112964	1.1600310	1.1344492	1.1974186	1.210472	1.1484331	1.27393883				1.191	4.0		
Chrysene	1.0388117	1.0549525	1.0042969	1.0424907	1.0919544	1.0409197	1.13821762				1.059	4.1		
Bis(2-ethylhexyl)phthalate	0.7950122	0.9107938	0.8734898	0.9595089	0.9440481	0.8902106	1.06383213				0.920	9.1		
Di-n-octyl phthalate *	1.6526724	1.8524146	1.7868899	1.9326333	1.8329738	1.7170001	2.00071539				1.825	6.6	*	

URS151 B689

7D

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS151

Instrument ID: HP5973N Calibration Date: 5/24/201 Time: 16:30

Lab File ID: 3\N58227.D Init. Calib. Date(s): 05/10/13 05/10/13

EPA Sample No.(SSTD050##): SSTD025 Init. Calib. Times: 10:26 14:18

GC Column: Rxi-5SILMS ID: 0.25 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Benzaldehyde	0.917	0.550		-40.0	
Phenol	2.202	2.291		4.0	20.0
Bis(2-chloroethyl)ether	1.782	1.685		-5.5	
2-Chlorophenol	1.557	1.556		-0.1	
2-Methylphenol	1.403	1.408		0.3	
2,2'-oxybis(1-chloropropane)	2.507	2.112		-15.8	
Acetophenone	2.942	2.121		-27.9	
4-Methylphenol	1.563	1.589		1.6	
N-Nitroso-di-n-propylamine	1.223	1.090	0.050	-10.9	
Hexachloroethane	0.693	0.649		-6.3	
Nitrobenzene	0.447	0.399		-10.8	
Isophorone	0.781	0.739		-5.4	
2-Nitrophenol	0.201	0.209		4.2	20.0
2,4-Dimethylphenol	0.369	0.372		0.9	
Bis(2-chloroethoxy)methane	0.493	0.481		-2.4	
2,4-Dichlorophenol	0.267	0.296		10.8	20.0
Naphthalene	1.120	1.135		1.4	
4-Chloroaniline	0.443	0.462		4.4	
Hexachlorobutadiene	0.170	0.170		-0.2	20.0
Caprolactam	0.113	0.121		7.5	
4-Chloro-3-methylphenol	0.289	0.300		3.8	20.0
2-Methylnaphthalene	0.715	0.734		2.6	
Hexachlorocyclopentadiene	0.314	0.264	0.050	-16.0	
2,4,6-Trichlorophenol	0.335	0.359		7.2	20.0
2,4,5-Trichlorophenol	0.318	0.347		9.1	
1,1'-Biphenyl	1.529	1.580		3.4	
2-Chloronaphthalene	1.220	1.252		2.6	
2-Nitroaniline	0.360	0.328		-8.8	
Dimethylphthalate	1.223	1.242		1.6	
2,6-Dinitrotoluene	0.291	0.296		1.7	
Acenaphthylene	1.892	1.929		2.0	
3-Nitroaniline	0.296	0.327		10.4	
Acenaphthene	1.243	1.259		1.3	20.0
2,4-Dinitrophenol	0.132	0.114	0.050	-13.4	
4-Nitrophenol	0.121	0.114	0.050	-5.9	
Dibenzofuran	1.582	1.620		2.4	
2,4-Dinitrotoluene	0.369	0.388		5.3	
Diethylphthalate	1.231	1.201		-2.5	

All other compounds must meet a minimum RRF of 0.010.

URS151 B737

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS151

Lab File ID: 3\N58226.D DFTPP Injection Date: 05/24/13

Instrument ID: HP5973N DFTPP Injection Time: 16:10

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	33.7
68	Less than 2% of mass 69	0.3 (0.8)1
69	Mass 69 relative abundance	41.6
70	Less than 2% of mass 69	0.1 (0.3)1
127	40.0 - 60.0% of mass 198	50.6
197	Less than 1% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5.0 - 9.0% of mass 198	6.5
275	10.0 - 30.0% of mass 198	21.7
365	Greater than 1% of mass 198	2.1
441	Present, but less than mass 443	18.2
442	40.0 - 110.0% of mass 198	97.9
443	17.0 - 23.0% of mass 442	19.7 (20.1)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD025	SSTD025	3\N58227.D	05/24/13	16:30
02	MB-39804	MB-39804	3\N58231.D	05/24/13	18:32
03	LFB-39804	LFB-39804	3\N58232.D	05/24/13	19:02
04	RB-3	1305A27-020B	3\N58233.D	05/24/13	19:33

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS151

Instrument ID: HP5973N Calibration Date: 6/3/2013 Time: 12:45

Lab File ID: 3\N58400.D Init. Calib. Date(s): 05/10/13 05/10/13

EPA Sample No.(SSTD050##): SSTD025 Init. Calib. Times: 10:26 14:18

GC Column: Rxi-5SILMS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Benzaldehyde	0.917	0.403		-56.0	
Phenol	2.202	2.219		0.8	20.0
Bis(2-chloroethyl)ether	1.782	1.628		-8.7	
2-Chlorophenol	1.557	1.470		-5.6	
2-Methylphenol	1.403	1.188		-15.4	
2,2'-oxybis(1-chloropropane)	2.507	1.944		-22.5	
Acetophenone	2.942	2.089		-29.7	
4-Methylphenol	1.563	1.532		-2.0	
N-Nitroso-di-n-propylamine	1.223	1.011	0.050	-17.3	
Hexachloroethane	0.693	0.634		-8.5	
Nitrobenzene	0.447	0.400		-10.6	
Isophorone	0.781	0.726		-7.0	
2-Nitrophenol	0.201	0.212		5.7	20.0
2,4-Dimethylphenol	0.369	0.314		-14.8	
Bis(2-chloroethoxy)methane	0.493	0.479		-2.8	
2,4-Dichlorophenol	0.267	0.300		12.2	20.0
Naphthalene	1.120	1.132		1.1	
4-Chloroaniline	0.443	0.455		2.8	
Hexachlorobutadiene	0.170	0.178		4.5	20.0
Caprolactam	0.113	0.111		-1.4	
4-Chloro-3-methylphenol	0.289	0.273		-5.6	20.0
2-Methylnaphthalene	0.715	0.743		3.9	
Hexachlorocyclopentadiene	0.314	0.214	0.050	-31.9	
2,4,6-Trichlorophenol	0.335	0.346		3.3	20.0
2,4,5-Trichlorophenol	0.318	0.345		8.5	
1,1'-Biphenyl	1.529	1.626		6.4	
2-Chloronaphthalene	1.220	1.257		3.1	
2-Nitroaniline	0.360	0.312		-13.2	
Dimethylphthalate	1.223	1.232		0.8	
2,6-Dinitrotoluene	0.291	0.299		2.7	
Acenaphthylene	1.892	1.960		3.6	
3-Nitroaniline	0.296	0.323		9.1	
Acenaphthene	1.243	1.261		1.5	20.0
2,4-Dinitrophenol	0.132	0.124	0.050	-5.8	
4-Nitrophenol	0.121	0.104	0.050	-14.1	
Dibenzofuran	1.582	1.641		3.8	
2,4-Dinitrotoluene	0.369	0.378		2.5	
Diethylphthalate	1.231	1.194		-3.0	

All other compounds must meet a minimum RRF of 0.010.

URS151 B745

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS151

Lab File ID: 3\N58399.D DFTPP Injection Date: 06/03/13

Instrument ID: HP5973N DFTPP Injection Time: 12:25

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	33.7
68	Less than 2% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	42.9
70	Less than 2% of mass 69	0.1 (0.3)1
127	40.0 - 60.0% of mass 198	49.9
197	Less than 1% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5.0 - 9.0% of mass 198	7.3
275	10.0 - 30.0% of mass 198	22.4
365	Greater than 1% of mass 198	2.5
441	Present, but less than mass 443	18.4
442	40.0 - 110.0% of mass 198	100.8
443	17.0 - 23.0% of mass 442	18.8 (18.7)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD025	SSTD025	3\N58400.D	06/03/13	12:45
02	MB-39883	MB-39883	3\N58404.D	06/03/13	14:47
03	LFB-39883	LFB-39883	3\N58405.D	06/03/13	15:18
04	SB-3 (10-12)	1305A27-001B	3\N58406.D	06/03/13	15:49
05	SB-3 (14-16)	1305A27-002B	3\N58407.D	06/03/13	16:19
06	SB-3 (16-18)	1305A27-003B	3\N58408.D	06/03/13	16:50
07	SB-3 (18-20)	1305A27-004B	3\N58409.D	06/03/13	17:21
08	SB-4 (0-2)	1305A27-005B	3\N58410.D	06/03/13	17:52
09	SB-4 (2-4)	1305A27-006B	3\N58411.D	06/03/13	18:23
10	SB-4 (4-6)	1305A27-007B	3\N58412.D	06/03/13	18:54
11	SB-4 (12-14)	1305A27-011B	3\N58413.D	06/03/13	19:24
12	SB-4 (14-16)	1305A27-012B	3\N58414.D	06/03/13	19:55
13	SB-4 (16-18)	1305A27-013B	3\N58415.D	06/03/13	20:26
14	SB-4 (18-20)	1305A27-014B	3\N58416.D	06/03/13	20:57
15	SB-5 (0-2)	1305A27-015B	3\N58417.D	06/03/13	21:28
16	SB-5 (2-4)	1305A27-016B	3\N58418.D	06/03/13	21:59
17	SB-5 (2-4)MS	1305A27-016BMS	3\N58419.D	06/03/13	22:29
18	SB-5 (2-4)MSD	1305A27-016BMSD	3\N58420.D	06/03/13	23:00

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS151

Instrument ID: HP5973N Calibration Date: 6/4/2013 Time: 11:41

Lab File ID: 3\N58430.D Init. Calib. Date(s): 05/10/13 05/10/13

EPA Sample No.(SSTD050##): SSTD025 Init. Calib. Times: 10:26 14:18

GC Column: Rxi-5SILMS ID: 0.25 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Benzaldehyde	0.917	0.372		-59.4	
Phenol	2.202	2.188		-0.7	20.0
Bis(2-chloroethyl)ether	1.782	1.565		-12.2	
2-Chlorophenol	1.557	1.448		-7.0	
2-Methylphenol	1.403	1.276		-9.1	
2,2'-oxybis(1-chloropropane)	2.507	1.907		-23.9	
Acetophenone	2.942	2.076		-29.4	
4-Methylphenol	1.563	1.400		-10.4	
N-Nitroso-di-n-propylamine	1.223	1.017	0.050	-16.8	
Hexachloroethane	0.693	0.630		-9.1	
Nitrobenzene	0.447	0.388		-13.2	
Isophorone	0.781	0.708		-9.3	
2-Nitrophenol	0.201	0.215		7.2	20.0
2,4-Dimethylphenol	0.369	0.357		-3.1	
Bis(2-chloroethoxy)methane	0.493	0.467		-5.2	
2,4-Dichlorophenol	0.267	0.297		11.1	20.0
Naphthalene	1.120	1.121		0.1	
4-Chloroaniline	0.443	0.462		4.4	
Hexachlorobutadiene	0.170	0.174		2.1	20.0
Caprolactam	0.113	0.117		3.9	
4-Chloro-3-methylphenol	0.289	0.283		-2.1	20.0
2-Methylnaphthalene	0.715	0.739		-3.3	
Hexachlorocyclopentadiene	0.314	0.220	0.050	-30.0	
2,4,6-Trichlorophenol	0.335	0.343		2.4	20.0
2,4,5-Trichlorophenol	0.318	0.341		7.2	
1,1'-Biphenyl	1.529	1.618		5.8	
2-Chloronaphthalene	1.220	1.287		5.5	
2-Nitroaniline	0.360	0.306		-14.9	
Dimethylphthalate	1.223	1.228		0.4	
2,6-Dinitrotoluene	0.291	0.300		3.0	
Acenaphthylene	1.892	1.922		1.6	
3-Nitroaniline	0.296	0.334		12.8	
Acenaphthene	1.243	1.262		1.5	20.0
2,4-Dinitrophenol	0.132	0.137	0.050	4.1	
4-Nitrophenol	0.121	0.116	0.050	-4.2	
Dibenzofuran	1.582	1.612		1.9	
2,4-Dinitrotoluene	0.369	0.379		2.8	
Diethylphthalate	1.231	1.179		-4.2	

All other compounds must meet a minimum RRF of 0.010.

URS151 B753

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS151

Lab File ID: 3\N58429.D DFTPP Injection Date: 06/04/13

Instrument ID: HP5973N DFTPP Injection Time: 11:21

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	34.7
68	Less than 2% of mass 69	0.2 (0.5)1
69	Mass 69 relative abundance	43.4
70	Less than 2% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	51.1
197	Less than 1% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5.0 - 9.0% of mass 198	7.0
275	10.0 - 30.0% of mass 198	21.0
365	Greater than 1% of mass 198	2.2
441	Present, but less than mass 443	18.3
442	40.0 - 110.0% of mass 198	95.8
443	17.0 - 23.0% of mass 442	18.7 (19.5)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD025	SSTD025	3\N58430.D	06/04/13	11:41
02	SB-5 (4-6)	1305A27-017B	3\N58447.D	06/04/13	20:18
03	SB-5 (8-10)	1305A27-019B	3\N58448.D	06/04/13	20:49
04	SB-4 (10-12)	1305A27-010B	3\N58449.D	06/04/13	21:19
05	SB-4 (8-10)	1305A27-009B	3\N58450.D	06/04/13	21:50
06	SB-4 (6-8)	1305A27-008B	3\N58452.D	06/04/13	22:50

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS151

Instrument ID: HP5973N Calibration Date: 6/5/2013 Time: 12:33

Lab File ID: 3\N58459.D Init. Calib. Date(s): 05/10/13 05/10/13

EPA Sample No.(SSTD050##): SSTD025 Init. Calib. Times: 10:26 14:18

GC Column: Rxi-5SILMS ID: 0.25 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Benzaldehyde	0.917	0.375		-59.1	
Phenol	2.202	2.180		-1.0	20.0
Bis(2-chloroethyl)ether	1.782	1.653		-7.3	
2-Chlorophenol	1.557	1.481		-4.9	
2-Methylphenol	1.403	1.332		-5.1	
2,2'-oxybis(1-chloropropane)	2.507	2.087		-16.8	
Acetophenone	2.942	2.156		-26.7	
4-Methylphenol	1.563	1.466		-6.2	
N-Nitroso-di-n-propylamine	1.223	1.092	0.050	-10.7	
Hexachloroethane	0.693	0.656		-5.3	
Nitrobenzene	0.447	0.409		-8.5	
Isophorone	0.781	0.738		-5.5	
2-Nitrophenol	0.201	0.212		5.7	20.0
2,4-Dimethylphenol	0.369	0.375		1.8	
Bis(2-chloroethoxy)methane	0.493	0.480		-2.6	
2,4-Dichlorophenol	0.267	0.292		9.3	20.0
Naphthalene	1.120	1.126		0.6	
4-Chloroaniline	0.443	0.463		4.6	
Hexachlorobutadiene	0.170	0.170		-0.2	20.0
Caprolactam	0.113	0.123		9.2	
4-Chloro-3-methylphenol	0.289	0.232		-19.8	20.0
2-Methylnaphthalene	0.715	0.746		4.3	
Hexachlorocyclopentadiene	0.314	0.194	0.050	-38.3	
2,4,6-Trichlorophenol	0.335	0.302		-9.8	20.0
2,4,5-Trichlorophenol	0.318	0.298		-6.3	
1,1'-Biphenyl	1.529	1.603		4.9	
2-Chloronaphthalene	1.220	1.251		2.6	
2-Nitroaniline	0.360	0.344		-4.3	
Dimethylphthalate	1.223	1.245		1.8	
2,6-Dinitrotoluene	0.291	0.303		4.1	
Acenaphthylene	1.892	1.938		2.4	
3-Nitroaniline	0.296	0.340		14.8	
Acenaphthene	1.243	1.260		1.4	20.0
2,4-Dinitrophenol	0.132	0.141	0.050	7.2	
4-Nitrophenol	0.121	0.089	0.050	-26.5	
Dibenzofuran	1.582	1.633		3.3	
2,4-Dinitrotoluene	0.369	0.391		6.1	
Diethylphthalate	1.231	1.216		-1.2	

All other compounds must meet a minimum RRF of 0.010.

URS151 B761

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS151

Lab File ID: 3\N58458.D DFTPP Injection Date: 06/05/13

Instrument ID: HP5973N DFTPP Injection Time: 12:13

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	33.6
68	Less than 2% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	43.3
70	Less than 2% of mass 69	0.2 (0.4)1
127	40.0 - 60.0% of mass 198	48.4
197	Less than 1% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5.0 - 9.0% of mass 198	6.3
275	10.0 - 30.0% of mass 198	21.7
365	Greater than 1% of mass 198	2.6
441	Present, but less than mass 443	19.9
442	40.0 - 110.0% of mass 198	103.2
443	17.0 - 23.0% of mass 442	19.9 (19.3)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD025	SSTD025	3\N58459.D	06/05/13	12:33
02	SB-4 (8-10)DL	1305A27-009BDL	3\N58465.D	06/05/13	15:37
03	SB-4 (6-8)DL	1305A27-008BDL	3\N58466.D	06/05/13	16:07
04	SB-5 (6-8)	1305A27-018B	3\N58467.D	06/05/13	16:38

H 2 M labs

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR ORGANOPHOSPHOROUS PESTICIDES
SAMPLES RECEIVED: 5/18/13
SDG #: URS151

For Sample(s):

SB-3 (10-12)	SB-4 (2-4)	SB-4 (12-14)	SB-5 (2-4)
SB-3 (14-16)	SB-4 (4-6)	SB-4 (14-16)	SB-5 (4-6)
SB-3 (16-18)	SB-4 (6-8)	SB-4 (16-18)	SB-5 (6-8)
SB-3 (18-20)	SB-4 (8-10)	SB-4 (18-20)	SB-5 (8-10)
SB-4 (0-2)	SB-4 (10-12)	SB-5 (0-2)	RB-3

The above sample(s) was/were analyzed for organophosphorous pesticides by EPA method 8141.

All Q. C. data and calibrations met the requirements of the method unless discussed below, and no problems were encountered with sample analysis. The following should be noted:

Sample SB-5 (2-4) was analyzed as the matrix spike/matrix spike duplicate. All percent recoveries and RPDs were met.

Positive results were confirmed by reanalysis on a dissimilar analytical column.

Linear calibration was used for all analytes. For the initial calibration of 5/22/13 the RRF's were not reported for dimethoate and fampher for the level 5 standard (file number 11901), therefore only a 4 point calibration was utilized for the analysis. In the continuing calibration verifications (CCV), some compounds exceeded the variability criterion of a percent difference of 15%. (Famphur and methidathion in CCV US11906 and dimethoate in US11907 had high responses.) Results for these analytes would be regarded estimated in the affected analyses, however none of the compounds were found in the samples.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: June 18, 2013

Date Revised: September 10, 2013

****
* *
* *
****
Joann M. Slavin
Senior Vice President

URS151 A6 Revised CLG Sep-10-13

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

SB-4 (6-8)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS151

Lab Sample ID: 1305A27-008B Date(s) Analyzed: 6/8/2013 /29/2013

Instrument ID (1): PE NPD FID Instrument ID (2): PE NPD FID

GC Column(1): CLP2 ID: .53 (mm) GC Column(2): R-35 ID: .53 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Dimethoate	1	9.24	9.20	9.26	340	1300
	2	5.94	5.88	5.94	24	~~0.8~~

SB 6/12/13

H 2 M labs

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR PESTICIDES/PCBS ANALYSIS
SAMPLES RECEIVED: 5/18/13
SDG #: URS151

For Sample(s):

SB-3 (10-12)	SB-4 (6-8)	SB-5 (0-2)
SB-3 (14-16)	SB-4 (8-10)	SB-5 (2-4)
SB-3 (16-18)	SB-4 (10-12)	SB-5 (4-6)
SB-3 (18-20)	SB-4 (12-14)	SB-5 (6-8)
SB-4 (0-2)	SB-4 (14-16)	SB-5 (8-10)
SB-4 (2-4)	SB-4 (16-18)	RB-3
SB-4 (4-6)	SB-4 (18-20)	

The above soil sample(s) and blank(s) was/were analyzed for pesticides and aroclors by methods 8081A and 8082 in accordance with the NYSDEC ASP, Rev. 7/2005 and reported with the requested deliverables.

All Q. C. data and calibrations met the requirements of the protocol, unless discussed below. No problems were encountered with sample analysis. The following should be noted:

No sample was submitted for matrix spike/ matrix spike duplicate (MS/MSD) spiking, but sample MW-3 (0-0.5) was selected for in-house batch Q. C. MS/MSD analysis. All targeted single peak compounds were spiked. The recoveries reported for alpha and gamma chlordane are representative for the targeted pesticide technical chlordane.

Lab fortified blanks for the single peak pesticides mix, aroclors and toxaphene were analyzed and recoveries indicate good method efficiency.

Due to unresolved interferences, surrogate recoveries were outside Q.C. limits in the following samples: SB-4 (6-8), SB-4 (8-10), SB-4 (10-12) and SB-4 (12-14).

Sample RB-3 was re-extracted due to low recovery for the surrogate DCB. The re-extraction was not performed within holding times, and results for both extracts are reported. In the re-extraction batch, surrogates were low for the LFBs, wereas the targeted analytes had good recoveries. It is suspected that the recorded spike amounts were double of the spikes added.

H 2 M labs

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR PESTICIDES/PCBS ANALYSIS
SAMPLES RECEIVED: 5/18/13
SDG #: URS151

Three samples were reanalyzed at dilutions due to concentration levels of targeted analytes above the calibration range. Sample SB-4 (8-10) was analyzed at two dilutions. Data for undiluted runs and dilutions are submitted. In the dilutions no surrogate recoveries were reportable, because the surrogates were diluted out.

In the continuing calibration verification (CCV) INDABM05 on 5/31/13, some compounds exceeded the variability criterion of a percent difference of 15% on column RTX-CLP. These analytes were reported from the other (compliant) column except in those cases where the alternate column had higher values due to interferences. This applies to dieldrin in samples SB-4 (12-14) and SB 5(6-8), 4,4'-DDE in SB4 (6-8) and SB5 (6-8) and endosulfan 2 in samples SB4 (6-8) and SB-4 (10-12). These results may be biased slightly high.

The CCVs on column RTX-CLP on 6/14/13 show high responses for 4,4'-DDT, methoxychlor and endrin ketone. The recoveries for LFB 40114 for these analytes are reported from the compliant column.

Positives are reported to the practical detection limits of ½ of the reporting limits.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: July 1, 2013

Date Revised: September 9, 2013

****
* *
* *
****

Ursula Middel
Technical Manager

URS151 A8 Revised CLG Sep-10-13

2E

WATER PESTICIDE SURROGATE RECOVERY

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS151

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	Other (1)	Other (2)	TOT OUT
01	mb-39784A	92	103	74	71			0
02	lfb2-39784A	107	87	64	62			0
03	mb-39784	84	90	65	65			0
04	lfb-39784	90	91	62	63			0
05	lfb3-39784	87	88	68	72			0
06	RB-3A	85	91	32	31			0
07	RB-3	76	78	29 *	28 *			2
08	mb-40114A	47	48	40	36			0
09	RB-3ARE	93	90	47	44			0
10	mb-40114	59	62	50	53			0
11	lfb-40114	39	40	33	34			0
12	RB-3RE	83	82	47	45			0
13	LFB3-40114	36	56	27 *	30			1
14	lfb2-40114A	95	97	63	59			0

QC Limits

TCX = Tetrachloro-m-xylene (30-150)

DCB = Decachlorobiphenyl (30-150)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

H2M LABS INC

PREP BATCH REPORT

Prep Start Date: **6/13/2013 4:32:55 P**
Prep End Date: **6/13/2013 11:09:54**

Prep Batch ID: **40114** Prep Code: **3510C** Technician: **Joshua Shirian**

Initial Temp: **°C** Final Temp **°C**

Prep Factor Units: **mL / mL**

Sample ID	ClientSampleID	Matrix	pH1	pH2	SampAmt	Fin Vol	factor	GPC	Acid	Sulfur	Florisil	PrepStart	PrepEnd
Lfb-40114		Aqueous	7		1000	2	0.002	☐	☐	☐	☐	6/13/2013	6/13/2013
Lfb2-40114		Aqueous	7		1000	1	0.001	☐	☑	☑	☐	6/13/2013	6/13/2013
MB-40114		Aqueous	7		1000	2	0.002	☐	☑	☑	☐	6/13/2013	6/13/2013
	Split: PCB Vf=1ml Pest Vf=2ml, 1000ul ss953												
1306371-001B	MW-1	Groundwater	7		1000	2	0.002	☐	☑	☑	☐	6/13/2013	6/13/2013
	Split: PCB Vf=1ml Pest Vf=2ml, 1000ul ss953												
1306371-003B	MW-5	Groundwater	7		1000	2	0.002	☐	☑	☑	☐	6/13/2013	6/13/2013
	Split: PCB Vf=1ml Pest Vf=2ml 1000ul ss953												
1306371-004B	MW-6	Groundwater	7		1000	2	0.002	☐	☑	☑	☐	6/13/2013	6/13/2013
	Split: PCB Vf=1ml Pest Vf=2ml 1000ul ss953												
1306371-005B	DUP 06062013	Groundwater	7		1000	2			☑	☑	☐	6/13/2013	6/13/2013
	Split: PCB Vf=1ml Pest Vf=2ml 1000ul ss953												
1306437-001B	MW-2	Groundwater	7		1000					☑	☐	6/13/2013	6/13/2013
	Split: PCB Vf=1ml Pest Vf=2ml 1000ul ss953												
1306437-002B	MW-3	Groundwater	7							☑	☐	6/13/2013	6/13/2013
	Split: PCB Vf=1ml Pest Vf=2ml 1000ul ss953												
1305A27-020B	RB-3	Equipment Blank	7								☐	6/13/2013	6/13/2013
lod1			7								☐	6/13/2013	6/13/2013
	10ul 1:10 qc8081												
lod2			7								☐	6/13/2013	6/13/2013
	15ul 1:10qc8081												
lod3			7									6/13/2013	6/13/2013
	20ul 1:10 qc8081												
lod4			7									6/13/2013	6/13/2013
	5ul 1:10 Toxaphene												

1305A27 water reextraction

Cleanups:

GPC = Method EPA3640A
Acid = Method EPA3665A
Sulfur= Method EPA3660B
Florisil = Method-EPA3620B

2F

SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS151

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	Other (1)	Other (2)	TOT OUT
25	SB-3 (10-12)	62	66	84	100			0
26	SB-3 (14-16)	63	65	71	58			0
27	SB-3 (16-18)	70	67	52	52			0
28	SB-3 (18-20)	54	53	55	55			0
29	SB-4 (0-2)	67	67	54	62			0
30	SB-4 (2-4)	75	73	62	59			0
31	SB-4 (4-6)	69	75	75	69			0
32	SB-4 (12-14)	89	224 *	49	53			1
33	SB-4 (14-16)	50	52	49	49			0
34	SB-4 (16-18)	52	53	51	53			0
35	SB-4 (18-20)	56	58	50	53			0
36	SB-5 (0-2)	79	81	61	65			0
37	SB-5 (2-4)	86	78	63	61			0
38	SB-5 (2-4)MS	78	73	70	59			0
39	SB-5 (2-4)MSD	76	0	69	66			0
40	SB-5 (4-6)	74	72	81	76			0
41	SB-4 (6-8)	81	579 *	430 *	617 *			3
42	SB-5 (6-8)	78	99	134	146			0
43	SB-4 (8-10)	70	493 *	942 *	2030 *			3
44	SB-4 (10-12)	54	251 *	205 *	171 *			3
45	SB-5 (8-10)	70	82	50	66			0
46	SB-4 (8-10)DL	0 D	0 D	0 D	0 D			0
47	SB-4 (10-12)DL	0 D	0 D	0 D	0 D			0
48	SB-4 (6-8)DL	0 D	0 D	0 D	0 D			0

QC Limits

TCX = Tetrachloro-m-xylene (30-150)
DCB = Decachlorobipheny1 (30-150)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

SB-3 (10-12)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS151

Lab Sample ID: 1305a27-001b Date(s) Analyzed: /30/2013 /30/2013

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
4,4'-DDE	1	6.56	6.54	6.60	8.2	
	2	6.04	6.02	6.08	7.9	3.8
4,4'-DDD	1	7.26	7.25	7.31	19	
	2	6.83	6.81	6.87	6.2	206.5
4,4'-DDT	1	7.58	7.54	7.60	3.7	
	2	7.18	7.16	7.22	2.0	85.0

FORM X PEST- 1 SW8081/8082

URS151 P507

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

SB-4 (4-6)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS151

Lab Sample ID: 1305a27-007b Date(s) Analyzed: /31/2013 /31/2013

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Dieldrin	1	6.95	6.92	6.98	2.6	
	2	6.24	6.23	6.29	2.9	11.5
4,4'-DDE	1	6.56	6.54	6.60	7.2	
	2	6.04	6.02	6.08	6.7	7.5
4,4'-DDD	1	7.27	7.25	7.31	7.5	
	2	6.83	6.81	6.87	3.1	141.9
4,4'-DDT	1	7.57	7.54	7.60	6.6	
	2	7.18	7.16	7.22	7.5	13.6
alpha-Chlordane	1	6.46	6.44	6.50	1.7	
	2	5.74	5.71	5.77	1.7	0.0
gamma-Chlordane	1	6.28	6.26	6.32	1.3	
	2	5.48	5.47	5.53	7.2	453.8

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

SB-4 (6-8)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS151

Lab Sample ID: 1305a27-008b Date(s) Analyzed: /31/2013 /31/2013

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
alpha-BHC	1	3.72	3.70	3.76	3.2	
	2	3.10	3.08	3.14	2.2	45.5
delta-BHC	1	4.46	4.41	4.47	1.6	
	2	3.91	3.88	3.94	2.8	75.0
Aldrin	1	5.17	5.14	5.20	7.8	
	2	4.39	4.36	4.42	7.2	8.3
Heptachlor epoxide	1	6.08	6.07	6.13	6.4	
	2	5.22	5.18	5.24	3.0	113.3
Endosulfan I	1	6.67	6.63	6.69	6.6	
	2	5.84	5.80	5.86	1.3	407.7
Dieldrin	1	0.00	6.92	6.98	65	
	2	0.00	6.23	6.29	65	0.0
4,4'-DDE	1	6.56	6.54	6.60	44	
	2	6.05	6.02	6.08	56	27.3
Endrin	1	7.21	7.19	7.25	6.3	
	2	6.67	6.64	6.70	5.9	6.8
Endosulfan II	1	7.45	7.43	7.49	2.6	
	2	6.94	6.90	6.96	3.4	30.8

1.) Saturated 11 7/1/13

URS151 P511

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

SB-4 (6-8)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS151

Lab Sample ID: 1305a27-008b Date(s) Analyzed: /31/2013 /31/2013

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

4,4´-DDD	1	1) 0.00	7.25	7.31	65	
	2	1) 0.00	6.81	6.87	65	0.0
Endosulfan sulfate	1	1) 0.00	8.24	8.30	65	
	2	7.57	7.54	7.60	11	490.9
4,4´-DDT	1	7.57	7.54	7.60	20	
	2	7.18	7.16	7.22	10	100.0
Methoxychlor	1	8.03	7.99	8.05	27	
	2	7.85	7.83	7.89	69	155.6
Endrin ketone	1	1) 0.00	8.50	8.56	65	
	2	1) 0.00	8.03	8.09	65	0.0
alpha-Chlordane	1	6.47	6.44	6.50	12	
	2	5.74	5.71	5.77	13	8.3
gamma-Chlordane	1	6.28	6.26	6.32	17	
	2	1) 0.00	5.47	5.53	65	282.4

1) Saturated

7-1-13

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

SB-4 (6-8)DL

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS151

Lab Sample ID: 1305a27-008bDL Date(s) Analyzed: 6/1/2013 6/1/2013

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Dieldrin	1	6.94	6.91	6.97	790	
	2	6.25	6.23	6.29	1000	26.6
4,4'-DDD	1	7.27	7.25	7.31	450	
	2	6.83	6.81	6.87	300	50.0
Endrin ketone	1	8.53	8.49	8.55	190	
	2	8.04	8.02	8.08	150	26.7

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

SB-4 (8-10)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS151

Lab Sample ID: 1305a27-009b Date(s) Analyzed: /31/2013 /31/2013

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
alpha-BHC	1	3.73	3.70	3.76	6.3	
	2	3.10	3.08	3.14	3.8	65.8
delta-BHC	1	4.44	4.41	4.47	8.4	
	2	3.92	3.88	3.94	7.0	20.0
Heptachlor	1	4.72	4.70	4.76	1.8	
	2	3.99	3.95	4.01	2.6	44.4
Aldrin	1	1,4) 0.00	5.14	5.20	72	
	2	4) 0.00	4.36	4.42	72	0.0
Heptachlor epoxide	1	6.08	6.07	6.13	23	
	2	5.22	5.18	5.24	1.6	999.9
Endosulfan I	1	6.65	6.63	6.69	22	
	2	5.85	5.80	5.86	4.3	411.6
Dieldrin	1	1,4) 0.00	6.92	6.98	72	
	2	1,4) 0.00	6.23	6.29	72	0.0
4,4'-DDE	1	6.57	6.54	6.60	120	
	2	6.05	6.02	6.08	150	25.0
Endrin	1	7.21	7.19	7.25	40	
	2	6.67	6.64	6.70	19	110.5

1) Saturated NJ 7-1-13

URS151 P514

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

SB-4 (8-10)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS151

Lab Sample ID: 1305a27-009b Date(s) Analyzed: /31/2013 /31/2013

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

4,4'-DDD	1	0.00	7.25	7.31	72	
	2	0.00	6.81	6.87	72	0.0
Endosulfan sulfate	1	8.27	8.24	8.30	98	
	2	7.58	7.54	7.60	17	476.5
4,4'-DDT	1	7.57	7.54	7.60	70	
	2	7.19	7.16	7.22	45	55.6
Methoxychlor	1	8.03	7.99	8.05	83	
	2	7.89	7.83	7.89	61	36.1
Endrin ketone	1	8.53	8.50	8.56	160	
	2	8.04	8.03	8.09	78	105.1
Endrin aldehyde	1	7.86	7.84	7.90	81	
	2	7.29	7.27	7.33	2.4	999.9
alpha-Chlordane	1	6.47	6.44	6.50	15	
	2	5.75	5.71	5.77	26	73.3
gamma-Chlordane	1	6.29	6.26	6.32	26	
	2	0.00	5.47	5.53	72	176.9

1) Saturated
M 7-1-13

URS151 P515

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

SB-4 (8-10)DL

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS151

Lab Sample ID: 1305a27-009bDL Date(s) Analyzed: 6/1/2013 6/1/2013

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Aldrin	1	5.16	5.13	5.19	550	
	2	4.39	4.36	4.42	620	12.7
Dieldrin	1	6.00	6.91	6.97	360	
	2	6.26	6.23	6.29	1600	344.4
4,4'-DDE	1	6.56	6.53	6.59	100	
	2	6.04	6.02	6.08	120	20.0
Endrin	1	7.21	7.18	7.24	35	
	2	6.66	6.63	6.69	16	118.8
4,4'-DDD	1	7.27	7.25	7.31	1100	
	2	6.83	6.81	6.87	780	41.0
Endosulfan sulfate	1	8.26	8.23	8.29	63	
	2	7.57	7.54	7.60	22	186.4
4,4'-DDT	1	7.57	7.54	7.60	160	
	2	7.18	7.15	7.21	50	220.0
Endrin ketone	1	8.53	8.49	8.55	120	
	2	8.03	8.02	8.08	50	140.0
alpha-Chlordane	1	6.46	6.44	6.50	15	
	2	5.74	5.71	5.77	21	40.0

1.) Saturated JM 7-1-13

FORM X PEST- 1 SW8081/8082

URS151 P516

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

SB-4 (8-10)DL

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS151

Lab Sample ID: 1305a27-009bDL Date(s) Analyzed: 6/1/2013 6/1/2013

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Aldrin	1	5.16	5.13	5.19	680	
	2	4.39	4.36	4.42	700	2.9
Dieldrin	1	6.94	6.91	6.97	1300	
	2	6.25	6.23	6.29	1800	38.5
4,4'-DDE	1	6.56	6.53	6.59	120	
	2	6.04	6.02	6.08	160	33.3
4,4'-DDD	1	7.27	7.25	7.31	1200	
	2	6.83	6.81	6.87	910	31.9

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

SB-4 (10-12)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS151

Lab Sample ID: 1305a27-010b Date(s) Analyzed: /31/2013 /31/2013

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
alpha-BHC	1	3.71	3.70	3.76	1.6	
	2	3.10	3.08	3.14	1.2	33.3
gamma-BHC	1	4.12	4.07	4.13	2.0	
	2	3.46	3.45	3.51	12	500.0
Aldrin	1	5.17	5.14	5.20	22	
	2	4.39	4.36	4.42	27	22.7
Heptachlor epoxide	1	6.08	6.07	6.13	5.6	
	2	5.22	5.18	5.24	4.0	40.0
Dieldrin	1	0.00 1)	6.92	6.98	70	
	2	0.00 1)	6.23	6.29	70	0.0
4,4'-DDE	1	6.56	6.54	6.60	38	
	2	6.05	6.02	6.08	43	13.2
Endosulfan II	1	7.45	7.43	7.49	2.1	
	2	6.90	6.90	6.96	7.9	276.2
4,4'-DDD	1	7.28	7.25	7.31	240	
	2	6.84	6.81	6.87	230	4.3
4,4'-DDT	1	7.57	7.54	7.60	12	
	2	7.18	7.16	7.22	15	25.0

1.) Saturated
MJ 7-1-13

FORM X PEST- 1 SW8081/8082

URS151 P518

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

SB-4 (10-12)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS151

Lab Sample ID: 1305a27-010b Date(s) Analyzed: /31/2013 /31/2013

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

Endrin ketone	1	8.53	8.50	8.56	100	
	2	8.05	8.03	8.09	44	127.3
Endrin aldehyde	1	7.86	7.84	7.90	5.7	
	2	7.30	7.27	7.33	3.1	83.9
alpha-Chlordane	1	6.46	6.44	6.50	4.4	
	2	5.74	5.71	5.77	5.5	25.0
gamma-Chlordane	1	6.29	6.26	6.32	5.9	
	2	0.00	5.47	5.53	70	999.9

URS151 P519

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

SB-4 (12-14)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS151

Lab Sample ID: 1305a27-011b Date(s) Analyzed: /31/2013 /31/2013

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
alpha-BHC	1	3.70	3.70	3.76	1.7	
	2	3.11	3.08	3.14	4.7	176.5
beta-BHC	1	4.18	4.17	4.23	76	
	2	3.57	3.53	3.59	6.8	999.9
Heptachlor	1	4.70	4.70	4.76	6.0	
	2	3.96	3.95	4.01	2.2	172.7
Dieldrin	1	6.95	6.92	6.98	1.8	
	2	6.26	6.23	6.29	4.0	122.2
4,4'-DDE	1	6.56	6.54	6.60	1.5	
	2	6.08	6.02	6.08	1.4	7.1

FORM X PEST- 1 SW8081/8082

URS151 P521

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

SB-4 (14-16)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS151

Lab Sample ID: 1305a27-012b Date(s) Analyzed: /31/2013 /31/2013

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
4,4'-DDD	1	7.27	7.25	7.31	1.8	
	2	6.83	6.81	6.87	1.1	63.6

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

SB-5 (4-6)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS151

Lab Sample ID: 1305a27-017b Date(s) Analyzed: /31/2013 /31/2013

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
4,4'-DDE	1	6.56	6.54	6.60	6.4	
	2	6.04	6.02	6.08	6.3	1.6
4,4'-DDD	1	7.27	7.25	7.31	11	
	2	6.83	6.81	6.87	6.9	59.4
4,4'-DDT	1	7.57	7.54	7.60	2.2	
	2	7.18	7.16	7.22	2.7	22.7

FORM X PEST- 1 SW8081/8082

URS151 P523

10A

CLIENT SAMPLE NO.

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

SB-5 (6-8)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS151

Lab Sample ID: 1305a27-018b Date(s) Analyzed: /31/2013 /31/2013

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Dieldrin	1	6.95	6.92	6.98	30	
	2	6.26	6.23	6.29	42	40.0
4,4'-DDE	1	6.56	6.54	6.60	4.1	
	2	6.04	6.02	6.08	6.1	48.8
4,4'-DDD	1	7.27	7.25	7.31	24	
	2	6.84	6.81	6.87	15	60.0
Endosulfan sulfate	1	0.00	8.24	8.30	62	
	2	7.56	7.54	7.60	2.6	999.9
4,4'-DDT	1	7.57	7.54	7.60	1.8	
	2	7.18	7.16	7.22	3.7	105.6
Endrin ketone	1	8.55	8.50	8.56	30	
	2	0.00	8.03	8.09	62	106.7

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

SB-5 (8-10)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS151

Lab Sample ID: 1305a27-019b Date(s) Analyzed: /31/2013 /31/2013

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Dieldrin	1	6.95	6.92	6.98	16	
	2	6.26	6.23	6.29	19	18.8
4,4'-DDD	1	7.27	7.25	7.31	5.6	
	2	6.83	6.81	6.87	3.3	69.7

URS151 P525

H2M labs
575 Broad Hollow Road
Melville, NY 11747
tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR HERBICIDES ANALYSES
SAMPLES RECEIVED: 5/18/13
SDG #: URS151

For Sample(s):

SB-3 (10-12)	SB-4 (6-8)	SB-5 (0-2)
SB-3 (14-16)	SB-4 (8-10)	SB-5 (2-4)
SB-3 (16-18)	SB-4 (10-12)	SB-5 (4-6)
SB-3 (18-20)	SB-4 (12-14)	SB-5 (6-8)
SB-4 (0-2)	SB-4 (14-16)	SB-5 (8-10)
SB-4 (2-4)	SB-4 (16-18)	RB-3
SB-4 (4-6)	SB-4 (18-20)	

The above soil sample(s) and blank(s) was/were analyzed for herbicides by EPA method 8151A. Picloram, dinoseb and 2,4-DB have been added to the originally reported list of herbicides. Please note that ELAP / NELAC do not offer certification for picloram.

All Q. C. data and calibrations met the requirements of the method unless discussed below, and no problems were encountered with sample analysis. The following should be noted:

Samples SB-4 (2-4) and SB-4 (4-6) were selected for matrix spike analysis. All recoveries were within Q. C. limits and results for all lab fortified blanks and sulfur cleaned aliquots also met control limits with the following exception: Recovery for the water LFB (lfb-39790) was low for 2,4-DB. The compound was not found in the rinse blank, and no data are affected.

Six samples and the associated blanks (reported as LSB) and LFBs were subjected to sulfur cleanup. The data for the sulfur cleaned LFB aliquots are reported with the suffix "S".

The recovery for the surrogate DCAA was above the Q. C. limit on one column in eight samples due to unresolved matrix interference.

The variability %D in the continuous calibrations checks (CCV) exceeded 15% for the following compounds:
CCV815127: dinoseb on column RTXCLP
CCV815128: 2,4-DB on column RTXCLP2
CCV815129: picloram on column RTXCLP
CCV815133: dinoseb on column RTXCLP
CCV815135: dinoseb on column RTXCLP

H2M labs

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR HERBICIDES ANALYSES
SAMPLES RECEIVED: 5/18/13
SDG #: URS151

The analytes were reported from the other (compliant) columns in the affected analyses with the following exception: Due to an interference on RTX-CLP2, the concentration for dinoseb in SB-4 (14-16) had to be reported from the noncompliant column RTX-CLP. The reported concentration is therefore regarded estimated.

Positives are reported to the practical detection limits of ½ of the reporting limits.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: June 19, 2013

Date revised: August 26, 2013

****
* Middel *
****

Ursula Middel
Technical Manager

URS151 A10 Revised CLG Sep-03-13

2F

SOIL HERBICIDE SURROGATE RECOVERY

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS151

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

	EPA SAMPLE NO.	DCAA 1 %REC #	DCAA 2 %REC #	1 %REC #	%REC #	Other (1)	Other (2)	TOT OUT
01	mb-39798	46	47					0
02	lfb-39798	117	113					0
03	SB-3 (14-16)	115	112					0
04	SB-3 (16-18)	133	120					0
05	SB-3 (18-20)	116	115					0
06	SB-4 (0-2)	106	94					0
07	SB-4 (2-4)	117	113					0
08	SB-4 (2-4)MS	119	115					0
09	LSB-39798	59	59					0
10	lfb-39798(s)	145 *	128					1
11	SB-3 (10-12)	145 *	129					1
12	mb-39817	92	89					0
13	lfb-39817	94	89					0
14	SB-4 (4-6)	123	110					0
15	SB-4 (4-6)MS	136	123					0
16	mb-39839	88	81					0
17	lfb-39839	105	99					0
18	SB-4 (16-18)	123	113					0
19	SB-4 (18-20)	112	102					0
20	SB-5 (0-2)	75	77					0
21	SB-5 (2-4)	147 *	127					1
22	SB-5 (4-6)	118	106					0
23	SB-5 (6-8)	129	117					0
24	LSB-39839	104	96					0

QC Limits

DCAA = DCAA (29-136)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

URS151 H4 REVISED KV 27-Aug-13

2F

SOIL HERBICIDE SURROGATE RECOVERY

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS151

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

	EPA SAMPLE NO.	DCAA 1 %REC #	DCAA 2 %REC #	1 %REC #	%REC #	Other (1)	Other (2)	TOT OUT
25	lfb-39839(s)	109	104					0
26	SB-4 (10-12)	142 *	102					1
27	SB-4 (12-14)	313 *	122					1
28	SB-4 (14-16)	174 *	105					1
29	SB-5 (8-10)	136	118					0
30	LSB-39817	85	85					0
31	lfb-39817(s)	97	95					0
32	SB-4 (6-8)	178 *	107					1
33	SB-4 (8-10)	95	45					0

QC Limits

DCAA = DCAA (29-136)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

REVISED KV 27-Aug-13

URS151 H5

3A

SYSTEM MONITORING SPIKE RECOVERY

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No.: URS SAS No.: SDG No.: URS151

Sample ID lfb-39790 Level:(low/med) LOW

Column ID CLP Column Diam .32

Inst. ID HP6890-1 Init. Calib. Date(s): 05/16/13 19:31

Analysis Date: 05/22/13 20:25 05/16/13 20:34

COMPOUND	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	SPIKE CONCENTRATION (µg/L)	SPIKE % REC #	QC. LIMITS REC.
Picloram	0.5	0	0.41	82	40-160
Dicamba	1	0	0.76	76	10-159
2,4-D	2	0	1.5	74	53-115
2,4,5-TP (Silvex)	1	0	0.73	73	37-140
2,4,5-T	1	0	0.73	73	40-131
Dinoseb	2	0	1.2	62	18-121
2,4-DB	8	0	1.9	23*	40-160

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 1 out of 7 outside limits

COMMENTS:

REVISED KV 27-Aug-13

URS151 H8

H2M LABS INC

PREP BATCH REPORT

Prep Start Date: **5/23/2013 10:06:27**
Prep End Date: **5/24/2013 6:00:00 P**

Prep Batch ID: **39817** Prep Code: **8151PR_S** Technician: **Henry Barrera**

Initial Temp: **°C** Final Temp **°C**

Prep Factor Units: **mL / g**

Sample ID	ClientSampleID	Matrix	pH1	pH2	SampAmt	Fin Vol	factor	GPC	Acid	Sulfur	Florisil	PrepStart	PrepEnd
LFB-39817		Soil			25	5	0.200	☐	☐	☑	☐	5/23/2013	5/24/2013
MB-39817		Soil			25	5	0.200	☐	☐	☑	☐	5/23/2013	5/24/2013
1305795-004B	MW-3 (4-6)	Soil			25.01	5	0.200	☐	☐	☐	☐	5/23/2013	5/24/2013
1305795-005B	MW-3 (6-8)	Soil			25.09	5	0.199	☐	☐	☐	☐	5/23/2013	5/24/2013
1305795-006B	MW-3 (8-10)	Soil			25.14	5	0.199	☐	☐	☑	☐	5/23/2013	5/24/2013
1305795-007B	MW-3 (10-12)	Soil			25.19	5	0.198	☐	☐	☑	☐	5/23/2013	5/24/2013
1305795-009B	MW-3 (14-16)	Soil			25.06	5	0.200	☐	☐	☐	☐	5/23/2013	5/24/2013
1305795-010B	MW-3 (16-18)	Soil			25.11	5	0.199	☐	☐	☐	☐	5/23/2013	5/24/2013
1305795-011B	MW-3 (18-20)	Soil			25.04	5	0.200	☐	☐	☐	☐	5/23/2013	5/24/2013
1305929-002B	HA-1 (2-3)	Soil			25.19	5	0.198	☐	☐	☐	☐	5/23/2013	5/24/2013
1305929-003B	SB-2 (4-6)	Soil			25.01	5	0.200	☐	☐	☐	☐	5/23/2013	5/24/2013
1305929-004B	SB-2 (6-8)	Soil			25.17	5	0.199	☐	☐	☑	☐	5/23/2013	5/24/2013
1305929-006B	SB-2 (10-12)	Soil			25.03	5	0.200	☐	☐	☑	☐	5/23/2013	5/24/2013
1305A27-007B	SB-4 (4-6)	Soil			25.1	5	0.199	☐	☐	☐	☐	5/23/2013	5/24/2013
1305A27-008B	SB-4 (6-8)	Soil			25.23	5	0.198	☐	☐	☑	☐	5/23/2013	5/24/2013
1305A27-009B	SB-4 (8-10)	Soil			25.07	5	0.199	☐	☐	☑	☐	5/23/2013	5/24/2013
1305A27-007BMS		Soil			25.08	5	0.199	☐	☐	☐	☐	5/23/2013	5/24/2013

Type	Chemical / Reagent ID	Chemical / Reagent Name	Container#	Container I	Amount Added	Unit
Chemical	42	Silica Gel	157	Container-01 of 01	1	g
Reagent	220	37% KOH 051013	252	Container-01 of 01	12	mL

Cleanups:
GPC = Method EPA3640A
Acid = Method EPA3665A
Sulfur= Method EPA3660B
Florisil = Method-EPA3620B

URS151 H494 REVISED KV 27-Aug-13

3A

SYSTEM MONITORING SPIKE RECOVERY

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No.: URS SAS No.: SDG No.: URS151

Sample ID lfb-39839(s) Level:(low/med) LOW

Column ID CLP Column Diam .32

Inst. ID HP6890-1 Init. Calib. Date(s): 05/16/13 19:31

Analysis Date: 05/29/13 16:27 05/16/13 20:34

COMPOUND	SPIKE ADDED (µg/Kg)	SAMPLE CONCENTRATION (µg/Kg)	SPIKE CONCENTRATION (µg/Kg)	SPIKE % REC #	QC. LIMITS REC.
Picloram	20	0	0	17*	40-140
Dicamba	20	0	14	72	16-136
2,4-D	40	0	30	76	25-157
2,4,5-TP (Silvex)	20	0	15	76	12-146
2,4,5-T	20	0	14	69	16-136
Dinoseb	40	0	27	50	10-121
2,4-DB	160	0	110	71	10-131

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 1 out of 7 outside limits

COMMENTS:

REVISED KV 27-Aug-13

URS151 H14

H2M LABS INC

PREP BATCH REPORT

Prep Start Date: **5/24/2013 11:36:54**
Prep End Date: **5/27/2013 3:48:35 P**

Prep Batch ID: **39839** Prep Code: **8151PR_S** Technician: **Henry Barrera**

Prep Factor Units: **mL / g**

Initial Temp: **°C** Final Temp **°C**

Sample ID	ClientSampleID	Matrix	pH1	pH2	SampAmt	Fin Vol	factor	GPC	Acid	Sulfur	Florisil	PrepStart	PrepEnd
LFB-39839		Soil			25	5	0.200	☐	☐	☑	☐	5/24/2013	5/27/2013
	Sulfur cleanup performed 5/29 JB												
MB-39839		Soil			25	5	0.200	☐	☐	☑	☐	5/24/2013	5/27/2013
	Sulfur cleanup performed 5/29 JB												
1305A27-010B	SB-4 (10-12)	Soil			25.09	5	0.199	☐	☐	☑	☐	5/24/2013	5/27/2013
	Sulfur cleanup performed 5/29 JB												
1305A27-011B	SB-4 (12-14)	Soil			25.19	5	0.198	☐	☐	☑	☐	5/24/2013	5/27/2013
	Sulfur cleanup performed 5/29 JB												
1305A27-012B	SB-4 (14-16)	Soil			25.01	5	0.200	☐	☐	☑	☐	5/24/2013	5/27/2013
	Sulfur cleanup performed 5/29 JB												
1305A27-013B	SB-4 (16-18)	Soil			25.03	5	0.200	☐	☐	☐	☐	5/24/2013	5/27/2013
1305A27-014B	SB-4 (18-20)	Soil			25.19	5	0.198	☐	☐	☐	☐	5/24/2013	5/27/2013
1305A27-015B	SB-5 (0-2)	Soil			25.04	5	0.200	☐	☐	☐	☐	5/24/2013	5/27/2013
1305A27-016B	SB-5 (2-4)	Soil			25.13	5	0.199	☐	☐	☐	☐	5/24/2013	5/27/2013
1305A27-017B	SB-5 (4-6)	Soil			25.12	5	0.199	☐	☐	☐	☐	5/24/2013	5/27/2013
1305A27-018B	SB-5 (6-8)	Soil			25.06	5	0.200	☐	☐	☐	☐	5/24/2013	5/27/2013
1305A27-019B	SB-5 (8-10)	Soil			25.07	5	0.199	☐	☐	☑	☐	5/24/2013	5/27/2013
	Sulfur cleanup performed 5/29 JB												
1305A32-001B	SB-5 (10-12)	Soil			25.13	5	0.199	☐	☐	☐	☐	5/24/2013	5/27/2013
1305A32-002B	SB-5 (12-14)	Soil			25.19	5	0.198	☐	☐	☐	☐	5/24/2013	5/27/2013
1305A32-003B	SB-5 (14-16)	Soil			25.03	5	0.200	☐	☐	☐	☐	5/24/2013	5/27/2013
1305A32-004B	SB-5 (16-18)	Soil			25.07	5	0.199	☐	☐	☐	☐	5/24/2013	5/27/2013
1305A27-016BMS		Soil			25.08	5	0.199	☐	☐	☐	☐	5/24/2013	5/27/2013

Cleanups:
GPC = Method EPA3640A
Acid = Method EPA3665A
Sulfur= Method EPA3660B
Florisil = Method-EPA3620B

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SB-3 (10-12)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS151

Lab Sample ID: 1305A27-001B Date(s) Analyzed: 05/25/13 05/25/13

Instrument ID (1): HP6890-1 Instrument ID (2): HP6890-1

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
2,4-D	1	6.11	6.09	6.15	35	
	2	6.17	6.14	6.20	12	191.7
2,4,5-TP (Silvex)	1	6.60	6.58	6.64	6.3	
	2	6.62	6.60	6.66	9.4	49.2
2,4,5-T	1	6.75	6.73	6.79	9.9	
	2	6.83	6.80	6.86	10	1.0

REVISED KV 27-Aug-13

URS151 H204

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.
SB-3 (16-18)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS151

Lab Sample ID: 1305A27-003B Date(s) Analyzed: 05/23/13 05/23/13

Instrument ID (1): HP6890-1 Instrument ID (2): HP6890-1

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
2,4,5-TP (Silvex)	1	6.60	6.58	6.64	7.6	
	2	6.62	6.60	6.66	9.1	19.7
2,4,5-T	1	6.75	6.73	6.79	4.9	
	2	6.82	6.80	6.86	61	999.9

REVISED KV 27-Aug-13

URS151 H205

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SB-4 (2-4)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS151

Lab Sample ID: 1305A27-006B Date(s) Analyzed: 05/24/13 05/24/13

Instrument ID (1): HP6890-1 Instrument ID (2): HP6890-1

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
2,4-D	1	6.12	6.09	6.15	28	
	2	6.17	6.14	6.20	19	47.4
2,4-DB	1	7.03	7.01	7.07	18	
	2	7.09	7.06	7.12	11	63.6

REVISED KV 27-Aug-13

URS151 H207

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SB-4 (6-8)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS151

Lab Sample ID: 1305A27-008B Date(s) Analyzed: 06/10/13 06/10/13

Instrument ID (1): HP6890-1 Instrument ID (2): HP6890-1

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
2,4-D	1	6.43	6.41	6.47	230	
	2	5.93	5.90	5.96	26	784.6
2,4,5-TP (Silvex)	1	6.92	6.89	6.95	6.5	
	2	6.38	6.35	6.41	3.0	116.7

REVISED KV 27-Aug-13

URS151 H208

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SB-4 (12-14)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS151

Lab Sample ID: 1305A27-011B Date(s) Analyzed: 05/29/13 05/29/13

Instrument ID (1): HP6890-1 Instrument ID (2): HP6890-1

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
2,4-D	1	6.13	6.09	6.15	50	
	2	0.00	6.14	6.20	7.4	575.7
2,4,5-T	1	6.77	6.73	6.79	8.8	
	2	6.82	6.80	6.86	78	786.4
Dinoseb	1	7.61	7.58	7.64	6.8	
	2	7.27	7.23	7.29	3.7	83.8

REVISED KV 27-Aug-13

URS151 H209

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SB-4 (14-16)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS151

Lab Sample ID: 1305A27-012B Date(s) Analyzed: 05/29/13 05/29/13

Instrument ID (1): HP6890-1 Instrument ID (2): HP6890-1

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
2,4,5-TP (Silvex)	1	6.60	6.58	6.64	6.2	
	2	6.62	6.60	6.66	9.3	50.0
Dinoseb	1	7.62	7.58	7.64	2.6	
	2	7.28	7.23	7.29	2.9	11.5
2,4-DB	1	7.05	7.01	7.07	11	
	2	7.08	7.06	7.12	21	90.9

REVISED KV 27-Aug-13

URS151 H210

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SB-5 (2-4)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS151

Lab Sample ID: 1305A27-016B Date(s) Analyzed: 05/28/13 05/28/13

Instrument ID (1): HP6890-1 Instrument ID (2): HP6890-1

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
2,4-DB	1	7.02	7.01	7.07	24	
	2	7.11	7.06	7.12	8.9	169.7

REVISED KV 27-Aug-13

URS151 H211

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SB-5 (6-8)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS151

Lab Sample ID: 1305A27-018B Date(s) Analyzed: 05/28/13 05/28/13

Instrument ID (1): HP6890-1 Instrument ID (2): HP6890-1

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
2,4-DB	1	7.06	7.01	7.07	24	
	2	7.08	7.06	7.12	8.0	200.0

REVISED KV 27-Aug-13

URS151 H212

H2M labs

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR METALS ANALYSES
SAMPLE(S) RECEIVED: 5/18/13
SDG #: URS151

For Sample(s):

SB-3 (14-16)	SB-4 (8-10)	SB-5 (2-4)
SB-3 (16-18)	SB-4 (12-14)	SB-5 (4-6)
SB-3 (18-20)	SB-4 (14-16)	SB-5 (6-8)
SB-4 (2-4)	SB-4 (16-18)	RB-3
SB-4 (4-6)	SB-4 (18-20)	
SB-4 (6-8)	SB-5 (0-2)	

The above sample(s) was/were received by H2M Labs, Inc. for TAL metals analysis.

Samples were prepared and analyzed by 6010B with a TS ICAP 6000 instrument and methods 7470A/7471A with a Leeman HYDRA mercury analyzer.

Sample SB-3 (14-16) was utilized for Q.C. analysis and reporting.

Spike analysis did not meet acceptance criteria for barium and selenium. The sample was post spiked, reanalyzed and recovered at 96.3% for barium and 94.1% for selenium. Associated data were reported flagged "N" on forms 1 and 5A.

Duplicate analysis did not meet acceptance criteria for calcium, copper, lead and nickel. Associated data were reported flagged "*" on forms 1 and 6.

No other issues were noted during the analysis of this sample group.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: June 19, 2013

Vincent Stancampiano
Vice President

U.S. EPA - CLP

3
BLANKS

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No. SAS No.: SDG No.: URS151

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum	9.5	U	16.8	B	9.5	U	9.5	U	0.950	U	P
Antimony	-1.5	B	-1.5	B	1.2	U	-1.4	B	0.180	B	P
Arsenic	2.8	U	2.8	U	2.8	U	2.8	U	0.280	U	P
Barium	3.7	U	3.7	U	3.7	U	3.7	U	0.370	U	P
Beryllium	0.1	U	0.2	B	0.1	U	0.1	U	0.010	U	P
Cadmium	0.1	U	0.3	B	0.1	U	0.2	B	0.010	U	P
Calcium	-12.0	B	7.0	B	5.3	U	5.3	U	0.530	U	P
Chromium	0.4	U	1.1	B	0.4	U	0.4	U	0.040	U	P
Cobalt	0.4	U	0.4	U	0.4	U	0.4	U	0.040	U	P
Copper	0.4	U	0.4	U	0.4	U	-1.5	B	0.040	U	P
Iron	2.4	B	8.1	B	-2.7	B	-3.0	B	0.180	U	P
Lead	1.0	U	1.0	U	1.0	U	1.1	B	0.100	U	P
Magnesium	16.9	U	16.9	U	16.9	U	16.9	U	1.700	U	P
Manganese	0.1	U	0.2	B	0.1	U	0.1	U	0.010	U	P
Nickel	0.9	B	0.4	B	0.7	B	0.5	B	0.030	B	P
Potassium	49.0	U	1300.0	B	209.0	B	1130.0	B	82.400	B	P
Selenium	-4.7	B	-3.7	B	2.3	U	2.3	U	0.230	U	P
Silver	-0.2	B	-0.3	B	0.2	U	0.2	U	0.020	U	P
Sodium	1261.3	U	1261.3	U	1261.3	U	1261.3	U	126.000	U	P
Thallium	1.9	U	1.9	U	1.9	U	1.9	U	0.190	U	P
Vanadium	0.3	U	0.3	B	0.3	U	0.3	U	0.030	U	P
Zinc	0.3	U	0.3	U	0.3	U	0.3	U	0.030	U	P

URS151 M43

U.S. EPA - CLP

3
BLANKS

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No. SAS No.: SDG No.: URS151

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum			9.5	U							P
Antimony			1.2	U							P
Arsenic			2.8	U							P
Barium			3.7	U							P
Beryllium			0.1	U							P
Cadmium			0.2	B							P
Calcium			5.9	B							P
Chromium			0.4	U							P
Cobalt			0.4	U							P
Copper			-1.6	B							P
Iron			-2.0	B							P
Lead			1.0	U							P
Magnesium			16.9	U							P
Manganese			0.1	U							P
Nickel			0.3	U							P
Potassium			-1100.0	B							P
Selenium			2.3	U							P
Silver			0.2	B							P
Sodium			1261.3	U							P
Thallium			1.9	U							P
Vanadium			0.3	U							P
Zinc			0.3	U							P

URS151 M44

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO
SB-3 (14-16)S

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No. SAS No.: SDG No.: URS151

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 74.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony	75-125	66.1051		0.1618	U	67.41	98.1		P
Arsenic	75-125	6.6105		2.1316		5.39	83.1		P
Barium	75-125	365.6474		168.8018		269.65	73.0	N	P
Beryllium	75-125	6.8491		0.3910	B	6.74	95.8		P
Cadmium	75-125	5.5683		0.0135	U	6.74	82.6		P
Chromium	75-125	42.1061		19.9003		26.97	82.4		P
Cobalt	75-125	71.1071		9.8962		67.41	90.8		P
Copper	75-125	43.9802		12.7680		33.71	92.6		P
Iron		20372.1682		25225.8944		134.83	-3600.0		P
Lead	75-125	3.5634		0.9238		2.70	97.9		P
Manganese		360.9285		364.7036		67.41	-5.6		P
Mercury	75-125	0.2382		0.0299	B	0.22	92.7		CV
Nickel	75-125	74.0733		13.0511		67.41	90.5		P
Selenium	75-125	0.0520	U	0.3101	U	1.35	3.9	N	P
Silver	75-125	6.0388		0.0270	U	6.74	89.6		P
Thallium	75-125	6.3233		0.2562	U	6.74	93.8		P
Vanadium	75-125	96.4274		37.2389		67.41	87.8		P
Zinc	75-125	116.5299		65.3905		67.41	75.9		P

Comments:

URS151 M49

U.S. EPA - CLP

5B
POST DIGEST SPIKE SAMPLE RECOVERY

EPA SAMPLE NO
SB-3 (14-16)A

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No. SAS No.: SDG No.: URS151

Matrix (soil/water): SOIL Level (low/med): LOW

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Barium		2215.00		1252.00		1000.0	96.3		P
Selenium		9.41		2.30	U	10.0	94.1		P

Comments:

URS151 M50

U.S. EPA - CLP

6
DUPLICATES

EPA SAMPLE NO
SB-3 (14-16)

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No. SAS No.: SDG No.: URS151

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 74.2 % Solids for Duplicate: 75.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		13041.6931		12021.0623		8.1		P
Antimony		0.1618	U	0.1618	U			P
Arsenic	1.3483	2.1316		2.8462		28.7		P
Barium		168.8018		137.7919		20.2		P
Beryllium	0.6741	0.3910	B	0.4045	B	3.4		P
Cadmium		0.0135	U	0.0135	U			P
Calcium		18889.0852		23742.8114		22.8	*	P
Chromium		19.9003		20.0756		0.9		P
Cobalt	6.7413	9.8962		10.6243		7.1		P
Copper	3.3706	12.7680		16.6914		26.6	*	P
Iron		25225.8944		23823.7056		5.7		P
Lead	0.4045	0.9238		1.5168		48.6	*	P
Magnesium		8243.2449		8026.1754		2.7		P
Manganese		364.7036		401.6459		9.6		P
Mercury	0.0449	0.0299	B	0.0348	B	15.3		CV
Nickel	5.3930	13.0511		23.8911		58.7	*	P
Potassium	674.1286	2224.6245		1913.1770		15.1		P
Selenium		0.3101	U	0.3101	U			P
Silver	1.3483	0.0270	U	0.0648	B	200.0		P
Sodium	674.1286	574.2227	B	515.3039	B	10.8		P
Thallium		0.2562	U	0.2562	U			P
Vanadium		37.2389		36.6726		1.5		P
Zinc		65.3905		63.1254		3.5		P

URS151 M51

U.S. EPA - CLP

14
ANALYSIS RUN LOG

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No. SAS No.: SDG No.: URS151

Instrument ID Number: ICAP6000 Method: P

Start Date: 06/13/2013 End Date: 06/13/2013

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN	
S0	1.00	1304		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
S	1.00	1308			X																	X						
S	1.00	1313		X						X				X		X												
S	1.00	1317				X									X						X			X				
S	1.00	1321					X	X	X		X	X	X				X		X						X	X		
S	1.00	1326												X									X					
S	1.00	1330																		X			X					
ICV	1.00	1335		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
ICV	1.00	1339												X														
ICB	1.00	1343		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
ZZZZZZ	1.00	1348																										
CRI	1.00	1352			X	X		X	X		X	X	X		X		X		X		X	X		X	X	X		
ICSA	1.00	1356		X		X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X		
ICSAB	1.00	1401		X		X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X		
CCV 1	1.00	1405		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
CCV ↓	1.00	1410												X														
CCB ↓	1.00	1414		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
PBS	1.00	1452		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
LCSS	1.00	1456		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
-3 (14-16)	1.00	1501		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
3 (14-16)D	1.00	1506		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
3 (14-16)S	1.00	1608		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
3 (14-16)L	5.00	1613		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
3 (14-16)A	1.00	1617					X														X							
-3 (16-18)	1.00	1622		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
-3 (18-20)	1.00	1627		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
SB-4 (2-4)	1.00	1631		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
CCV 2	1.00	1636		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
CCV 2	1.00	1640												X														
CCB 2	1.00	1644		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
SB-4 (4-6)	1.00	1649		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
SB-4 (6-8)	1.00	1653		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
B-4 (8-10)	1.00	1657		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
-4 (12-14)	1.00	1701		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
-4 (14-16)	1.00	1706		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		

URS151 M71

U.S. EPA - CLP

14
ANALYSIS RUN LOG

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No. SAS No.: SDG No.: URS151

Instrument ID Number: ICAP6000 Method: P

Start Date: 06/13/2013 End Date: 06/13/2013

EPA Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
-4 (16-18)	1.00	1711		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
-4 (18-20)	1.00	1716		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
SB-5 (0-2)	1.00	1721		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
SB-5 (2-4)	1.00	1725		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
SB-5 (4-6)	1.00	1729		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV 3	1.00	1733		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV ↓	1.00	1738												X													
CCB ↓	1.00	1742		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
SB-5 (6-8)	1.00	1746		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CRI	1.00	1751			X	X		X	X		X	X	X		X		X		X		X	X		X	X	X	
ICSA	1.00	1755		X		X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
ICSAB	1.00	1800		X		X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
CCV 4	1.00	1804		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV ↓	1.00	1809												X													
CCB ↓	1.00	1813		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	

URS151 M72

URS152

CHAIN OF CUSTODY RECORD

URS

PROJECT NO. 11171892.00002 | SITE NAME Old Agway

SAMPLERS (PRINT/SIGNATURE) Tim Burmeier

LAB H2M

COOLER 3 of 4

PAGE 1 of 1

DELIVERY SERVICE: FedEx AIRBILL NO.:

LOCATION IDENTIFIER	DATE	TIME	COMP/ GRAB	SAMPLE ID	MATRIX	TOTAL NO.# OF CONTAINERS	TESTS: TCL VOCs	TAL METALS	PEST/HERBI PCBs/SVOCs	BOTTLE TYPE AND PRESERVATIVE: 1oz clear	2oz amber	8oz.	REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO.# (IRPIMS ONLY)
SB45	5/17/13	0835	G	SB45(10-12)	SO	1						1	1305A32-001	Soil boring	N	10	12	
SB45	5/17/13	0838	G	SB45(12-14)	SO	1						1	-002		N	12	14	
SB45	5/17/13	0845	G	SB45(14-16)	SO	4	1	2	1				-003		N	14	16	
SB45	5/17/13	0900	G	SB45(16-18)	SO	4	1	2	1				-004		N	16	18	
SB45	5/17/13	0905	G	SB45(18-20)	SO	4	1	2	1				-005		N	18	20	

MATRIX CODES: AA - AMBIENT AIR; SE - SEDIMENT; SH - HAZARDOUS SOLID WASTE; SL - SLUDGE; WP - DRINKING WATER; WW - WASTE WATER; WG - GROUND WATER; SO - SOIL; DC - DRILL CUTTINGS; WL - LEACHATE; GS - SOIL GAS; WC - DRILLING WATER; WO - OCEAN WATER; WS - SURFACE WATER; WQ - WATER FIELD QC; LH - HAZARDOUS LIQUID WASTE; LF - FLOATING/FREE PRODUCT ON GW TABLE

SAMPLE TYPE CODES: TB# - TRIP BLANK; SD# - MATRIX SPIKE DUPLICATE; RB# - RINSE BLANK; FR# - FIELD REPLICATE; N# - NORMAL ENVIRONMENTAL SAMPLE; MS# - MATRIX SPIKE; (# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
T.M. Burmeier	5-17-13	0930	Mark	5/18/13	945
Mark	5-20-13	11:00			

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME
				5-20-13	11:00

SPECIAL INSTRUCTIONS

Distribution: Original accompanies shipment, copy to coordinator field files

URSF-075C/1 OF 1/CofCR/GCM

URS152 A14

URS152

CHAIN OF CUSTODY RECORD

URS

PROJECT NO. 11176892.00002 | SITE NAME Old Agway

SAMPLERS (PRINT/SIGNATURE) Tim Burmeier

LAB H2M | COOLER 1 of 1 | PAGE 1 of 1

DELIVERY SERVICE: FedEx AIRBILL NO.:

TESTS: 1,2,3,5 TAL Metals (Best Hits + Barium) pg 25

BOTTLE TYPE AND PRESERVATIVE: 1 Clear 2 Clear 3 Amber 4 Clear

LOCATION IDENTIFIER	DATE	TIME	COMP/ GRAB	SAMPLE ID	MATRIX	TOTAL NO.# OF CONTAINERS	1	2	3	4	REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO.# (IIRPIMS ONLY)
SB6	5/17/13	1000	G	SB6 (0-2)	SO	4	1	2	1		1305 A32-006 Soil borings	N	0	2	
SB6	5/17/13	1005	G	SB6 (2-4)	SO	4	1	2	1		-007 Soil borings	N	2	4	
SB6	5/17/13	1010	G	SB6 (4-6)	SO	4	1	2	1		-008	N	4	6	
SB6	5/17/13	1015	G	SB6 (6-8)	SO	4	1	2	1		-009	N	6	8	
SB6	5/17/13	1020	G	SB6 (8-10)	SO	4	1	2	1		-010	N	8	10	
SB6	5/17/13	1035	G	SB6 (10-12)	SO	4	1	2	1		-011	N	10	12	
SB6	5/17/13	1040	G	SB6 (12-14)	SO	4	1	2	1		-012	N	12	14	
SB6	5/17/13	1045	G	SB6 (14-16)	SO	4	1	2	1		-013	N	14	16	
SB6	5/17/13	1055	G	SB6 (16-18)	SO	4	1	2	1		-014	N	16	18	
SB6	5/17/13	1100	G	SB6 (18-20)	SO	4	1	2	1		-015	N	18	20	

MATRIX CODES

AA - AMBIENT AIR	SL - SLUDGE	WG - GROUND WATER	WL - LEACHATE	WO - OCEAN WATER	LH - HAZARDOUS LIQUID WASTE
SE - SEDIMENT	WP - DRINKING WATER	SO - SOIL	GS - SOIL GAS	WS - SURFACE WATER	LF - FLOATING/FREE PRODUCT ON GW TABLE
SH - HAZARDOUS SOLID WASTE	WW - WASTE WATER	DC - DRILL CUTTINGS	WC - DRILLING WATER	WQ - WATER FIELD QC	

SAMPLE TYPE CODES

TB# - TRIP BLANK	RB# - RINSE BLANK	N# - NORMAL ENVIRONMENTAL SAMPLE	(# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)
SD# - MATRIX SPIKE DUPLICATE	FR# - FIELD REPLICATE	MS# - MATRIX SPIKE	

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
Tim Burmeier	5/17/13	1115		5/18/13	0845
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME
	5/20/13	11:00		5-20-13	11:00

SPECIAL INSTRUCTIONS: For Questions Call George Kisluk 716-856-5636

Distribution: Original accompanies shipment, copy to coordinator field files

URSF-075C/1 OF 1/CofCR/GCM

H 2 M labs

H2M LABS INC
575 Broad Hollow Rd.
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.h2mlabs.com

URS 152

Sample Receipt Checklist

Client Name **URS**

Date and Time Received: **5/18/2013 9:45:00 AM**

Work Order Number: **1305A32** RcptNo: **1**

Received by **MelissaWatson**

Completed by: M. Wat

Reviewed by:

Completed Date: 5/22/2013

Reviewed Date: 5/23/2013 11:05:36 AM

Carrier name: FedEx

Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Are matrices correctly identified on Chain of custody?	Yes ☑	No ☐		
Is it clear what analyses were requested?	Yes ☑	No ☐		
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present	☑
Samples in proper container/bottle?	Yes ☑	No ☐		
Were correct preservatives used and noted?	Yes ☑	No ☐	NA	☐
Preservative added to bottles:				
Sample Condition?	Intact ☑	Broken ☐	Leaking	☐
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
Were container labels complete (ID, Pres, Date)?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Was an attempt made to cool the samples?	Yes ☑	No ☐	NA	☐
All samples received at a temp. of > 0° C to 6.0° C?	Yes ☐	No ☑	NA	☐
Response when temperature is outside of range:				
Sample Temp. taken and recorded upon receipt?	Yes ☑	No ☐	7.7 To 18.1 °	
Water - Were bubbles absent in VOC vials?	Yes ☐	No ☐	No Vials	☑
Water - Was there Chlorine Present?	Yes ☐	No ☐	NA	☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	No Water	☑
Are Samples considered acceptable?	Yes ☑	No ☐		
Custody Seals present?	Yes ☑	No ☐		
Airbill or Sticker?	Air Bill ☑	Sticker ☐	Not Present	☐
Airbill No:				

Case Number: SDG: URS152 SAS:

Any No response should be detailed in the comments section below, if applicable.

Client Contacted? ☐ Yes ☑ No Person Contacted:

Contact Mode: ☐ Phone: ☐ Fax: ☐ Email: ☐ In Person:

Client Instructions:

Date Contacted: Contacted By:

Regarding:

Comments:

The samples were chilled but the temperatures upon receipt were greater than 6 degrees Celsius. FedEx tracking #s: 8028 4059 9400; 8028 4059 9570; 8028 4059 9558; 8028 4059 9385; 7997 8894 0743.

CorrectiveAction:

URS152 A16

FEDEX #8028 4059 4536

URS152

CHAIN OF CUSTODY RECORD

URS

PROJECT NO. 11176892.00002

SITE NAME Old Agway

SAMPLERS (PRINT/SIGNATURE) Tim Burmeier

LAB HZM

COOLER 1 of 1

PAGE 1 of 1

DELIVERY SERVICE: Fedex AIRBILL NO.:

TESTS: TCLP VOCs; TAL Metals; Hg; Ni; Sb; SVOCs; PCBs

BOTTLE TYPE AND PRESERVATIVE: 1 8oz. Clear; 2 8oz. Amber; 8oz.; 1 L Amber 500 ml w/ HNO3; 40 ml w/ HCl

LOCATION IDENTIFIER	DATE	TIME	COMP/ GRAB	SAMPLE ID	MATRIX	TOTAL NO. OF CONTAINERS	REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO.# (IRPIMS ONLY)
MW4	5/20/13	1220	G	MW4 (2-4)	SO	4	1305B03-001	N	2	4	
MW4	5/20/13	1235	G	MW4 (6-8)	SO			N	6	8	
RB4	5/20/13	1315	G	RB-4	RB	9	Rinse Blank	RB	-	-	

MATRIX CODES	AA - AMBIENT AIR SE - SEDIMENT SH - HAZARDOUS SOLID WASTE	SL - SLUDGE WP - DRINKING WATER WW - WASTE WATER	WG - GROUND WATER SO - SOIL DC - DRILL CUTTINGS	WL - LEACHATE GS - SOIL GAS WC - DRILLING WATER	WO - OCEAN WATER WS - SURFACE WATER WQ - WATER FIELD QC	LH - HAZARDOUS LIQUID WASTE LF - FLOATING/FREE PRODUCT ON GW TABLE
SAMPLE TYPE CODES	TB# - TRIP BLANK SD# - MATRIX SPIKE DUPLICATE	RB# - RINSE BLANK FR# - FIELD REPLICATE	N# - NORMAL ENVIRONMENTAL SAMPLE MS# - MATRIX SPIKE	(# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)		

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME	SPECIAL INSTRUCTIONS
Tim Burmeier	5-20-13	2145	M. Hall	5-21-13	12:00	
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME	

Distribution: Original accompanies shipment, copy to coordinator field files

URSF-075C/1 OF 1/CofCR/GCM

URS152 A23

H2 M labs

H2M LABS INC
575 Broad Hollow Rd.
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.h2mlabs.com

URS152

Sample Receipt Checklist

Client Name **URS** Date and Time Received: **5/21/2013 12:00:00 PM**

Work Order Number: **1305B03** RcptNo: **1** Received by **MelissaWatson**

Completed by: M - Ward Reviewed by: Jennifer Cox

Completed Date: 5/23/2013 Reviewed Date: 5/23/2013 1:23:49 PM

Carrier name: FedEx

Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Are matrices correctly identified on Chain of custody?	Yes ☑	No ☐		
Is it clear what analyses were requested?	Yes ☑	No ☐		
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present	☑
Samples in proper container/bottle?	Yes ☑	No ☐		
Were correct preservatives used and noted?	Yes ☑	No ☐	NA	☐
Preservative added to bottles:				
Sample Condition?	Intact ☑	Broken ☐	Leaking	☐
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
Were container labels complete (ID, Pres, Date)?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Was an attempt made to cool the samples?	Yes ☑	No ☐	NA	☐
All samples received at a temp. of > 0° C to 6.0° C?	Yes ☑	No ☐	NA	☐
Response when temperature is outside of range:				
Sample Temp. taken and recorded upon receipt?	Yes ☑	No ☐	To	1.1 °
Water - Were bubbles absent in VOC vials?	Yes ☑	No ☐	No Vials	☐
Water - Was there Chlorine Present?	Yes ☐	No ☐	NA	☑
Water - pH acceptable upon receipt?	Yes ☑	No ☐	No Water	☐
Are Samples considered acceptable?	Yes ☑	No ☐		
Custody Seals present?	Yes ☑	No ☐		
Airbill or Sticker?	Air Bil ☑	Sticker ☐	Not Present	☐
Airbill No:	8028 4059 9536			

Case Number: SDG: URS152 SAS:

Any No response should be detailed in the comments section below, if applicable.

Client Contacted? ☐ Yes ☑ No Person Contacted:

Contact Mode: ☐ Phone: ☐ Fax: ☐ Email: ☐ In Person:

Client Instructions:

Date Contacted: Contacted By:

Regarding:

Comments:

Two of the liters from the Rinse blank sample arrived broken. There should be enough volume to perform all of the analyses.

CorrectiveAction:

URS152 A24

IR gun [illegible]
pH strips (10BDH0431) ≤2 3 9 ≥12
Free Cl2 strips(041912C)Present/Absent
Lot#

URS152/153/154

CHAIN OF CUSTODY RECORD

URS

PROJECT NO. 11176892.00002 | SITE NAME Old Agway

SAMPLERS (PRINT/SIGNATURE) Tim Burmeier

LAB HZM

COOLER ___ of ___

PAGE ___ of ___

DELIVERY SERVICE: Fedex AIRBILL NO.:

TEST / BOTTLE TYPE AND PRESERVATIVE

LOCATION IDENTIFIER	DATE	TIME	COMP/GRAB	SAMPLE ID	MATRIX	TOTAL NO.# OF CONTAINERS	1oz clear	4oz amber	8oz amber	REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO.# (IRPIMS ONLY)
SB7	5/22/13	0835	G	SB7(0-2)	SO	4	1	2	1	1305C61-001 Soil boring	N	0	2	
SB7	5/22/13	0840	G	SB7(2-4)	SO	4	1	2	1	-002 URS 152	N	2	4	
SB7	5/22/13	0845	G	SB7(4-6)	SO	4	1	2	1	-003	N	4	6	
SB7	5/22/13	0855	G	SB7(6-8)	SO	1	—	—	1	-004	N	6	8	
SB7	5/22/13	0905	G	SB7(8-10)	SO	1	—	—	1	1305C62-001	N	8	10	
SB7	5/22/13	0917	G	SB7(10-12)	SO	1	—	—	1	-002	N	10	12	
SB7	5/22/13	0923	G	SB7(12-14)	SO	4	1	2	1	-003 URS 153	N	12	14	
SB7	5/22/13	0935	G	SB7(14-16)	SO	1	—	—	1	-004	N	14	16	
SB7	5/22/13	0945	G	SB7(16-18)	SO	4	1	2	1	-005	N	16	18	
SB7	5/22/13	0950	G	SB7(18-20)	SO	4	1	2	1	-006	N	18	20	
MW1	5/22/13	1010	G	MW1 DRUM	SO	1	—	—	—	1 1305C64-001 MW1 PCLP, Drum RCRA URS 154	N	—	—	
MW1	5/22/13	1010	G	MW1 DRUM2	SO	1	—	—	—	1 ↓ ↓	N	—	—	

MATRIX CODES: AA - AMBIENT AIR; SE - SEDIMENT; SH - HAZARDOUS SOLID WASTE; SL - SLUDGE; WP - DRINKING WATER; WW - WASTE WATER; WG - GROUND WATER; SO - SOIL; DC - DRILL CUTTINGS; WL - LEACHATE; GS - SOIL GAS; WC - DRILLING WATER; WO - OCEAN WATER; WS - SURFACE WATER; WQ - WATER FIELD QC; LH - HAZARDOUS LIQUID WASTE; LF - FLOATING/FREE PRODUCT ON GW TABLE

SAMPLE TYPE CODES: TB# - TRIP BLANK; SD# - MATRIX SPIKE DUPLICATE; RB# - RINSE BLANK; FR# - FIELD REPLICATE; N# - NORMAL ENVIRONMENTAL SAMPLE; MS# - MATRIX SPIKE; (# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
Tim Burmeier	5-22-13	1015		5-23-13	1030
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME
	5/23/13	1030		5-23-13	10:30

SPECIAL INSTRUCTIONS: For questions call George Kisluk: 716-856-5636

Distribution: Original accompanies shipment, copy to coordinator field files

URSF-075C/1 OF 1/CofCR/GCM

H2M labs

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR VOLATILE ORGANICS
SAMPLES RECEIVED: 5/18/13, 5/21/13 & 5/23/13
SDG #: URS152

For Sample(s):

SB-5 (14-16)	SB-6 (6-8)	SB-6 (18-20)
SB-5 (16-18)	SB-6 (8-10)	MW-4 (2-4)
SB-5 (18-20)	SB-6 (10-12)	RB-4
SB-6 (0-2)	SB-6 (12-14)	SB-7 (0-2)
SB-6 (2-4)	SB-6 (14-16)	SB-7 (2-4)
SB-6 (4-6)	SB-6 (16-18)	SB-7 (4-6)

The above sample(s) and blank(s) was/were analyzed for a select list of volatile organic analytes by EPA method 8260B.

All Q. C. data and calibrations met the requirements of the method unless discussed below, and no problems were encountered with sample analysis. The following should be noted:

Sample SB-6 (18-20) was analyzed as the matrix spike/matrix spike duplicate. 40 out of 96 analytes had percent recoveries outside of Q.C. limits and 2 out of 48 RPDs were high. Lab fortified blanks were analyzed and indicate good method efficiency.

Samples SB-5 (18-20) and SB-6 (18-20) had surrogate standard percent recoveries outside of Q.C. limits. Similar recoveries were observed in the reanalysis. Both sets of data are submitted.

Samples SB-5 (18-20) also had low internal standard area counts. Sample SB-5 (18-20) had similar area counts in the reanalysis. Both sets of data are submitted.

Linear responses with average RFs or linear or quadratic regression calibration were used as required.

In the continuing calibration verifications (CCVs), some compounds exceeded the variability criterion for 8260B of %D of 15%. These compounds are noted on Form VII. Results for these analytes are regarded estimated and are flagged with a "Z" qualifier in the LFB and if found in samples associated with that continuous calibration.

H 2 M labs

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR VOLATILE ORGANICS
SAMPLES RECEIVED: 5/18/13, 5/21/13 & 5/23/13
SDG #: URS152

The samples were collected as bulk samples and the results may be biased low.

TICs suspected of originating from column/septa bleed are flagged with an "X" qualifier.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: June 18, 2013

****
* *
* *
****
Joann M. Slavin
Senior Vice President

2B

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS152

Level: (low/med) LOW

	EPA SAMPLE NO.	SMC1 TOL #	SMC2 BFB #	SMC3 DCA #	OTHER	TOT OUT
01	VBLK052213	105	99	109		0
02	LFB052213	99	104	109		0
03	SB-5 (14-16)	104	97	120		0
04	SB-5 (16-18)	120	69	112		0
05	SB-5 (18-20)	243 *	11 *	97		2
06	SB-6 (0-2)	106	100	113		0
07	SB-6 (2-4)	101	98	111		0
08	SB-6 (4-6)	107	100	117		0
09	SB-6 (6-8)	108	98	118		0
10	VBLK052313	105	100	109		0
11	LFB052313	102	104	105		0
12	SB-5 (18-20)RE	239 *	7 *	78		2
13	SB-6 (8-10)	123	72	119		0
14	SB-6 (10-12)	101	98	120		0
15	SB-6 (12-14)	100	100	117		0
16	SB-6 (14-16)	104	101	113		0
17	SB-6 (16-18)	104	96	115		0
18	SB-6 (18-20)	169 *	29 *	113		2
19	SB-6 (18-20)MS	113	72	117		0
20	SB-6 (18-20)MSD	120	54	117		0
21	MW-4 (2-4)	103	102	117		0
22	SB-7 (0-2)	102	102	121		0
23	SB-7 (2-4)	104	98	118		0
24	SB-7 (4-6)	104	102	124		0
25	VBLK052413	94	88	86		0
26	LFB052413	92	93	90		0
27	SB-6 (18-20)RE	128	32 *	84		1

		QC Limit
SMC 1 TOL	= Toluene-d8	(43-157)
SMC 2 BFB	= 4-Bromofluorobenzene	(34-145)
SMC 3 DCA	= 1,2-Dichloroethane-d4	(33-150)

Column to be used to flag recovery values

* Values outside of contract required QC limits

3A

SYSTEM MONITORING SPIKE RECOVERY

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No.: URS SAS No.: SDG No.: URS152

Sample ID LFB052313 Level:(low/med) LOW

Column ID Rtx-624 Column Diam .18

Inst. ID HP5971 Init. Calib. Date(s): 05/15/13 21:44

Analysis Date: 05/23/13 20:26 05/16/13 0:15

trans-1,3-Dichloropropene	50	0	49	99	59-147
1,1,2-Trichloroethane	50	0	52	105	80-120
Tetrachloroethene	50	0	38	77*	79-128
2-Hexanone	50	0	56	112	76-119
Dibromochloromethane	50	0	47	94	45-161
1,2-Dibromoethane	50	0	47	95	75-120
Chlorobenzene	50	0	45	90	60-133
Ethylbenzene	50	0	44	87	58-149
Xylene (total)	150	0	140	91	60-140
Styrene	50	0	47	94	78-128
Bromoform	50	0	46	93	67-124
Isopropylbenzene	50	0	44	88	60-140
1,1,2,2-Tetrachloroethane	50	0	51	103	72-152
1,3-Dichlorobenzene	50	0	45	90	57-162
1,4-Dichlorobenzene	50	0	45	90	57-179
1,2-Dichlorobenzene	50	0	49	97	55-172
1,2-Dibromo-3-chloropropane	50	0	46	91	58-120
1,2,4-Trichlorobenzene	50	0	35	70	69-129

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 1 out of 48 outside limits

COMMENTS:

3A

SYSTEM MONITORING SPIKE RECOVERY

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No.: URS SAS No.: SDG No.: URS152

Sample ID LFB053013 Level: (low/med) LOW

Column ID Rtx-624 Column Diam .18

Inst. ID HP5973-3

Analysis Date: 05/30/13 12:45

COMPOUND	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	SPIKE CONCENTRATION (µg/L)	SPIKE % REC #	QC. LIMITS REC.
Dichlorodifluoromethane	50	0	33	67	16-152
Chloromethane	50	0	42	85	58-142
Vinyl chloride	50	0	41	81	61-127
Bromomethane	50	0	25	50*	67-126
Chloroethane	50	0	42	84	66-140
Trichlorofluoromethane	50	0	39	78	10-144
1,1-Dichloroethene	50	0	48	96	62-131
1,1,2-Trichloro-1,2,2-trifluoroethane	50	0	46	92	53-122
Acetone	50	0	57	114	33-175
Carbon disulfide	50	0	44	88	19-165
Methyl Acetate	50	0	49	98	45-175
Methylene chloride	50	0	49	98	47-159
trans-1,2-Dichloroethene	50	0	51	102	64-133
Methyl tert-butyl ether	50	0	50	101	64-117
1,1-Dichloroethane	50	0	54	108	52-152
cis-1,2-Dichloroethene	50	0	51	103	72-132
2-Butanone	50	0	52	103	33-175
Chloroform	50	0	50	100	56-142
1,1,1-Trichloroethane	50	0	46	92	24-129
Cyclohexane	50	0	49	98	33-152
Carbon tetrachloride	50	0	49	98	19-134
Benzene	50	0	47	94	64-139
1,2-Dichloroethane	50	0	48	96	48-133
Trichloroethene	50	0	45	90	43-150
Methylcyclohexane	50	0	49	99	22-171
1,2-Dichloropropane	50	0	49	98	40-152
Bromodichloromethane	50	0	50	101	55-138
cis-1,3-Dichloropropene	50	0	53	106	66-126
4-Methyl-2-pentanone	50	0	43	86	44-162
Toluene	50	0	46	92	69-124

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 1 out of 48 outside limits

COMMENTS:

URS152 V14A Revised CLG Sep-17-13

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS152

Lab File ID (Standard): A\A78714.D Date Analyzed: 05/22/13

EPA Sample No.(VSTD050##): VSTD050 Time Analyzed: 16:54

Instrument ID: HP5971 Heated Purge: (Y/N) Y

GC Column: Rtx-624 ID: .18 (mm)

		IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 (CBZ) AREA #	RT #
	12 HOUR STD	92713	6.38	543989	7.61	477281	10.84
	UPPER LIMIT	185426	6.88	1087978	8.11	954562	11.34
	LOWER LIMIT	46357	5.88	271995	7.11	238641	10.34
	EPA SAMPLE						
01	VBLK052213	88399	6.39	557462	7.60	464785	10.84
02	LFB052213	85818	6.39	519175	7.60	452989	10.84
03	SB-5 (14-16)	82303	6.37	486774	7.59	419343	10.83
04	SB-5 (16-18)	79839	6.37	470662	7.59	346166	10.83
05	SB-5 (18-20)	76914	6.37	193677*	7.59	44949*	10.83
06	SB-6 (0-2)	83727	6.37	477326	7.59	411192	10.83
07	SB-6 (2-4)	81654	6.37	480402	7.60	406412	10.83
08	SB-6 (4-6)	82005	6.38	482337	7.60	406675	10.83
09	SB-6 (6-8)	81652	6.37	478428	7.59	406923	10.83

IS1 = Bromochloromethane
IS2 = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

URS152 V25

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS152

Lab File ID (Standard): A\A78738.D Date Analyzed: 05/23/13

EPA Sample No.(VSTD050##): VSTD050 Time Analyzed: 19:17

Instrument ID: HP5971 Heated Purge: (Y/N) Y

GC Column: Rtx-624 ID: .18 (mm)

		IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 (CBZ) AREA #	RT #
	12 HOUR STD	82651	6.39	525549	7.6	464441	10.84
	UPPER LIMIT	165302	6.89	1051098	8.1	928882	11.34
	LOWER LIMIT	41326	5.89	262775	7.1	232221	10.34
	EPA SAMPLE						
01	VBLK052313	80603	6.38	547901	7.61	447611	10.84
02	LFB052313	85304	6.38	538052	7.60	470575	10.84
03	SB-5 (18-20)RE	75022	6.39	132246*	7.60	32324*	10.84
04	SB-6 (8-10)	73146	6.38	478777	7.60	333787	10.84
05	SB-6 (10-12)	78836	6.38	503721	7.61	440423	10.84
06	SB-6 (12-14)	79096	6.39	503083	7.61	438896	10.84
07	SB-6 (14-16)	85112	6.38	513794	7.61	441576	10.84
08	SB-6 (16-18)	84738	6.38	500498	7.60	425462	10.84
09	SB-6 (18-20)	76338	6.38	382329	7.60	168040*	10.84
10	SB-6 (18-20)MS	70876	6.38	464753	7.60	358308	10.84
11	SB-6 (18-20)MSD	66375	6.39	438708	7.61	318517	10.84
12	MW-4 (2-4)	80078	6.38	485032	7.61	421103	10.84
13	SB-7 (0-2)	78797	6.40	485518	7.61	430747	10.85
14	SB-7 (2-4)	80228	6.39	478637	7.61	419619	10.84
15	SB-7 (4-6)	78787	6.39	477082	7.61	418258	10.84

IS1 = Bromochloromethane
IS2 = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS152

Lab File ID (Standard): A\A78783.D Date Analyzed: 05/24/13

EPA Sample No.(VSTD050##): VSTD050 Time Analyzed: 20:54

Instrument ID: HP5971 Heated Purge: (Y/N) Y

GC Column: Rtx-624 ID: .18 (mm)

		IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 (CBZ) AREA #	RT #
	12 HOUR STD	85183	6.38	556219	7.61	458495	10.84
	UPPER LIMIT	170366	6.88	1112438	8.11	916990	11.34
	LOWER LIMIT	42592	5.88	278110	7.11	229248	10.34
	EPA SAMPLE						
01	VBLK052413	90932	6.38	588302	7.59	462276	10.84
02	LFB052413	92703	6.37	591096	7.60	488166	10.83
03	SB-6 (18-20)RE	91570	6.37	494135	7.60	266535	10.83

IS1 = Bromochloromethane
IS2 = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS152

Lab File ID: A\A78737.D BFB Injection Date: 05/23/13

Instrument ID: HP5971 BFB Injection Time: 18:51

GC Column: Rtx-624 ID: .18 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.0
75	30.0 - 60.0% of mass 95	44.8
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.3 (0.4)1
174	Greater than 50.0% of mass 95	69.0
175	5.0 - 9.0% of mass 174	4.4 (6.3)1
176	95.0 - 101.0% of mass 174	66.5 (96.3)1
177	5.0 - 9.0% of mass 176	4.3 (6.5)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050	VSTD050	A\A78738.D	05/23/13	19:17
02	VBLK052313	VBLK052313	A\A78739.D	05/23/13	19:55
03	LFB052313	LFB052313	A\A78740.D	05/23/13	20:26
04	SB-5 (18-20)RE	1305A32-005ARE	A\A78741.D	05/23/13	20:56
05	SB-6 (8-10)	1305A32-010A	A\A78742.D	05/23/13	21:26
06	SB-6 (10-12)	1305A32-011A	A\A78743.D	05/23/13	21:57
07	SB-6 (12-14)	1305A32-012A	A\A78744.D	05/23/13	22:27
08	SB-6 (14-16)	1305A32-013A	A\A78745.D	05/23/13	22:57
09	SB-6 (16-18)	1305A32-014A	A\A78746.D	05/23/13	23:28
10	SB-6 (18-20)	1305A32-015A	A\A78747.D	05/23/13	23:58
11	SB-6 (18-20)MS	1305A32-015AMS	A\A78748.D	05/24/13	0:28
12	SB-6 (18-20)MSD	1305A32-015AMSD	A\A78749.D	05/24/13	0:59
13	MW-4 (2-4)	1305B03-001A	A\A78750.D	05/24/13	1:29
14	SB-7 (0-2)	1305C61-001A	A\A78752.D	05/24/13	2:30
15	SB-7 (2-4)	1305C61-002A	A\A78753.D	05/24/13	3:00
16	SB-7 (4-6)	1305C61-003A	A\A78754.D	05/24/13	3:30

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS152

Instrument ID: HP5971 Calibration Date: 05/23/13 Time: 19:17

Lab File ID: A\A78738.D Init. Calib. Date(s): 05/15/13 05/16/13

EPA Sample No.(VSTD050##): VSTD050 Init. Calib. Times: 21:44 0:15

Heated Purge: (Y/N) Y

GC Column: Rtx-624 ID: .18 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	3.772	2.527		-33.0	
Chloromethane	4.002	3.668	0.100	-8.4	
Vinyl chloride	3.770	3.264		-13.4	20.0
Bromomethane	1.278	1.465		14.6	
Chloroethane	2.288	2.006		-12.3	
Trichlorofluoromethane	3.685	3.070		-16.7	
1,1-Dichloroethene	2.655	2.217		-16.5	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	2.863	2.314		-19.2	
Acetone	0.571	0.499		-12.7	
Carbon disulfide	10.049	8.139		-19.0	
Methyl Acetate	1.824	1.684		-7.7	
Methylene chloride	3.622	3.044		-16.0	
trans-1,2-Dichloroethene	3.072	2.689		-12.5	
Methyl tert-butyl ether	6.141	6.222		1.3	
1,1-Dichloroethane	5.254	4.632	0.100	-11.8	
cis-1,2-Dichloroethene	3.188	2.833		-11.1	
2-Butanone	0.926	1.135		22.5	
Chloroform	4.878	4.376		-10.3	20.0
1,1,1-Trichloroethane	0.562	0.488		-13.2	
Cyclohexane	0.853	0.709		-16.9	
Carbon tetrachloride	0.482	0.397		-17.6	
Benzene	1.801	1.654		-8.2	
1,2-Dichloroethane	2.682	2.830		5.5	
Trichloroethene	0.477	0.411		-13.8	
Methylcyclohexane	0.781	0.650		-16.7	
1,2-Dichloropropane	0.452	0.451		-0.3	20.0
Bromodichloromethane	0.504	0.484		-4.0	
cis-1,3-Dichloropropene	0.642	0.642		0.0	
4-Methyl-2-pentanone	0.419	0.528		25.9	
Toluene	2.129	1.858		-12.7	20.0
trans-1,3-Dichloropropene	0.540	0.571		5.8	
1,1,2-Trichloroethane	0.310	0.331		6.9	
Tetrachloroethene	0.430	0.345		-19.8	
2-Hexanone	0.256	0.346		35.0	
Dibromochloromethane	0.333	0.331		-0.5	

All other compounds must meet a minimum RRF of 0.010.

URS152 V302

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS152

Lab File ID: A\A78782.D BFB Injection Date: 05/24/13

Instrument ID: HP5971 BFB Injection Time: 20:11

GC Column: Rtx-624 ID: .18 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.2
75	30.0 - 60.0% of mass 95	44.7
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	78.5
175	5.0 - 9.0% of mass 174	5.6 (7.2)1
176	95.0 - 101.0% of mass 174	74.9 (95.5)1
177	5.0 - 9.0% of mass 176	5.1 (6.9)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050	VSTD050	A\A78783.D	05/24/13	20:54
02	VBLK052413	VBLK052413	A\A78785.D	05/24/13	22:07
03	LFB052413	LFB052413	A\A78786.D	05/24/13	22:39
04	SB-6 (18-20)RE	1305A32-015ARE	A\A78787.D	05/24/13	23:10

7B

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS152

Instrument ID: HP5971 Calibration Date: 05/24/13 Time: 20:54

Lab File ID: A\A78783.D Init. Calib. Date(s): 05/15/13 05/16/13

EPA Sample No.(VSTD050##): VSTD050 Init. Calib. Times: 21:44 0:15

Heated Purge: (Y/N) Y

GC Column: Rtx-624 ID: .18 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
1,2-Dibromoethane	0.373	0.388		4.1	
Chlorobenzene	1.370	1.450	0.300	5.8	
Ethylbenzene	0.706	0.745		5.5	20.0
Xylene (total)	0.839	0.888		5.8	
Styrene	1.248	1.378		10.4	
Bromoform	0.180	0.186	0.100	3.5	
Isopropylbenzene	2.151	2.259		5.0	
1,1,2,2-Tetrachloroethane	0.436	0.433	0.300	-0.7	
1,3-Dichlorobenzene	0.893	0.981		9.9	
1,4-Dichlorobenzene	0.914	0.946		3.5	
1,2-Dichlorobenzene	0.801	0.831		3.7	
1,2-Dibromo-3-chloropropane	0.050	0.044		-11.9	
1,2,4-Trichlorobenzene	0.257	0.261		1.5	

All other compounds must meet a minimum RRF of 0.010.

URS152 V309

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS152

Lab File ID: 3\J10656.D BFB Injection Date: 05/30/13

Instrument ID: HP5973-3 BFB Injection Time: 10:47

GC Column: Rtx-624 ID: .18 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.0
75	30.0 - 60.0% of mass 95	48.8
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.4 (0.6)1
174	Greater than 50.0% of mass 95	70.5
175	5.0 - 9.0% of mass 174	4.9 (7.0)1
176	95.0 - 101.0% of mass 174	68.1 (96.6)1
177	5.0 - 9.0% of mass 176	4.4 (6.5)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050	VSTD050	3\J10657.D	05/30/13	11:21
02	VBLK053013	VBLK053013	3\J10659.D	05/30/13	12:17
03	LFB053013	LFB053013	3\J10660.D	05/30/13	12:45
04	RB-4	1305B03-002A	3\J10670.D	05/30/13	17:27

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS152

Instrument ID: HP5973-3 Calibration Date: 05/30/13 Time: 11:21

Lab File ID: 3\J10657.D Init. Calib. Date(s): 01/22/13 01/22/13

EPA Sample No.(VSTD050##): VSTD050 Init. Calib. Times: 13:06 16:27

Heated Purge: (Y/N) N

GC Column: Rtx-624 ID: .18 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	2.470	2.119		-14.2	
Chloromethane	2.324	2.405	0.100	3.5	
Vinyl chloride	2.792	2.616		-6.3	20.0
Bromomethane	1.424	1.041		-26.9	
Chloroethane	1.716	1.544		-10.0	
Trichlorofluoromethane	3.601	2.732		-24.1	
1,1-Dichloroethene	1.770	2.077		17.3	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.910	2.157		12.9	
Acetone	0.372	0.450		20.9	
Carbon disulfide	5.298	6.953		31.2	
Methyl Acetate	1.065	1.206		13.2	
Methylene chloride	2.178	2.486		14.1	
trans-1,2-Dichloroethene	1.982	2.363		19.2	
Methyl tert-butyl ether	5.514	6.208		12.6	
1,1-Dichloroethane	3.580	4.322	0.100	20.7	
cis-1,2-Dichloroethene	2.145	2.549		18.9	
2-Butanone	0.568	0.690		21.6	
Chloroform	3.589	4.050		12.9	20.0
1,1,1-Trichloroethane	0.458	0.485		5.9	
Cyclohexane	0.528	0.629		19.2	
Carbon tetrachloride	0.357	0.411		15.0	
Benzene	1.313	1.418		8.0	
1,2-Dichloroethane	2.808	3.029		7.9	
Trichloroethene	0.318	0.326		2.7	
Methylcyclohexane	0.600	0.690		15.0	
1,2-Dichloropropane	0.320	0.356		11.1	20.0
Bromodichloromethane	0.372	0.423		13.9	
cis-1,3-Dichloropropene	0.462	0.552		19.5	
4-Methyl-2-pentanone	0.224	0.231		3.2	
Toluene	0.896	0.928		3.5	20.0
trans-1,3-Dichloropropene	0.435	0.500		15.0	
1,1,2-Trichloroethane	0.273	0.274		0.3	
Tetrachloroethene	0.273	0.269		-1.6	
2-Hexanone	0.134	0.147		9.6	
Dibromochloromethane	0.238	0.280		17.6	

All other compounds must meet a minimum RRF of 0.010.

URS152 V314

7B

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS152

Instrument ID: HP5973-3 Calibration Date: 05/30/13 Time: 11:21

Lab File ID: 3\J10657.D Init. Calib. Date(s): 01/22/13 01/22/13

EPA Sample No.(VSTD050##): VSTD050 Init. Calib. Times: 13:06 16:27

Heated Purge: (Y/N) N

GC Column: Rtx-624 ID: .18 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
1,2-Dibromoethane	0.288	0.276		-4.2	
Chlorobenzene	0.973	0.966	0.300	-0.7	
Ethylbenzene	0.534	0.547		2.4	20.0
Xylene (total)	0.645	0.646		0.2	
Styrene	0.985	1.080		9.7	
Bromoform	0.128	0.149	0.100	16.0	
Isopropylbenzene	1.648	1.700		3.1	
1,1,2,2-Tetrachloroethane	0.324	0.329	0.300	1.6	
1,3-Dichlorobenzene	0.715	0.685		-4.3	
1,4-Dichlorobenzene	0.746	0.709		-4.9	
1,2-Dichlorobenzene	0.689	0.634		-7.9	
1,2-Dibromo-3-chloropropane	0.046	0.043		-7.0	
1,2,4-Trichlorobenzene	0.404	0.329		-18.6	

All other compounds must meet a minimum RRF of 0.010.

URS152 V315

H 2 M labs

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR SEMIVOLATILE ORGANICS
SAMPLES RECEIVED: 5/18/13, 5/21/13 & 5/23/13
SDG #: URS152

For Sample(s):

SB-5 (10-12)	SB-6 (4-6)	SB-6 (18-20)
SB-5 (12-14)	SB-6 (6-8)	MW-4 (2-4)
SB-5 (14-16)	SB-6 (8-10)	RB-4
SB-5 (16-18)	SB-6 (10-12)	SB-7 (0-2)
SB-5 (18-20)	SB-6 (12-14)	SB-7 (2-4)
SB-6 (0-2)	SB-6 (14-16)	SB-7 (4-6)
SB-6 (2-4)	SB-6 (16-18)	SB-7 (6-8)

The above sample(s) and blank(s) was/were analyzed for a select list of base/neutral/acid extractables by EPA method 8270C.

All Q. C. data and calibrations met the requirements of the method unless discussed below, and no problems were encountered with sample analysis. The following should be noted:

All soil extracts were subjected to GPC cleanup.

Sample SB-6 (0-2) was analyzed as the matrix spike/matrix spike duplicate. Fourteen of 130 percent recoveries were outside of Q.C. limits. Two RPD's were outside the Q.C. limits. Lab fortified blanks were analyzed. All percent recoveries were within Q.C. limits except for a 45% recovery for acetophenone (lower limit 60%) in LFB3990S.

All CCC and SPCC calibration requirements were met. In the initial calibrations, average response factors were employed as applicable, and linear or quadratic regression functions were used for RSDs above 15%. No acceptable functions were found for benzaldehyde, acetophenone and atrazine. Linear calibration was used for these analytes, and results are regarded estimated and are flagged for the LFB with the qualifier "Z". The compounds were not found in the samples.

Four analytes had % RSD's greater than 15% and did not meet linear regression or quadratic requirements. The average response factor was utilized to quantify benzaldehyde, acetophenone, atrazine, ~~and dibenzo(a,h)anthracene.~~ 10/3/13

In the continuing calibration verifications (CCV) some compounds had %Ds above 15%. These compounds are noted on Form VII. Results for these analytes are flagged with a "Z" qualifier in the LFB and if found in the samples, indicating that they are regarded estimated.

H 2 M labs

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR SEMIVOLATILE ORGANICS
SAMPLES RECEIVED: 5/18/13, 5/21/13 & 5/23/13
SDG #: URS152

The method blanks contained several unidentified TICs at low levels. All analytes found in the blanks were flagged with the qualifier "B" in the associated samples.

TICs identified as siloxanes are suspected to be column bleed from the analytical column and were flagged with the qualifier "X".

TIC's identified as alkanes are listed in the TIC form I however are not counted in the number TICs reported.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: June 24, 2013

Date Revised: September 12, 2013

****
* *
* *
****

Joann M. Slavin
Senior Vice President

URS152 A6

Revised CLG Sep-17-13

3A

SYSTEM MONITORING SPIKE RECOVERY

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No.: URS SAS No.: SDG No.: URS152

Sample ID LFB-39908 Level: (low/med) LOW

Column ID Rxi-5SILMS Column Diam 0.25

Inst. ID HP5973N Init. Calib. Date(s): 05/10/13 10:26

Analysis Date: 06/04/13 14:13 05/10/13 14:18

COMPOUND	SPIKE ADDED (µg/Kg)	SAMPLE CONCENTRATION (µg/Kg)	SPIKE CONCENTRATION (µg/Kg)	SPIKE % REC #	QC. LIMITS REC.
Benzaldehyde	1700	0	1300	80	10-226
Phenol	1700	0	960	58	38-104
Bis(2-chloroethyl)ether	1700	0	910	55	32-116
2-Chlorophenol	1700	0	990	59	36-109
2-Methylphenol	1700	0	1100	64	36-104
2,2'-oxybis(1-chloropropane)	1700	0	590	35	33-116
Acetophenone	1700	0	740	45*	60-140
4-Methylphenol	1700	0	930	56	26-119
N-Nitroso-di-n-propylamine	1700	0	830	50	33-109
Hexachloroethane	1700	0	910	55	34-105
Nitrobenzene	1700	0	880	53	36-119
Isophorone	1700	0	950	57	14-129
2-Nitrophenol	1700	0	1000	63	36-117
2,4-Dimethylphenol	1700	0	690	41	24-96
Bis(2-chloroethoxy)methane	1700	0	990	60	29-112
2,4-Dichlorophenol	1700	0	1100	68	41-117
Naphthalene	1700	0	1000	61	18-142
4-Chloroaniline	1700	0	750	45	29-88
Hexachlorobutadiene	1700	0	1000	60	36-118
Caprolactam	1700	0	970	58	40-105
4-Chloro-3-methylphenol	1700	0	1000	62	45-118
2-Methylnaphthalene	1700	0	1100	64	31-135
Hexachlorocyclopentadiene	1700	0	730	44	10-97
2,4,6-Trichlorophenol	1700	0	1000	63	45-110
2,4,5-Trichlorophenol	1700	0	1100	65	45-111
1,1'-Biphenyl	1700	0	1000	62	51-99
2-Chloronaphthalene	1700	0	980	59	35-107
2-Nitroaniline	1700	0	900	54	42-118
Dimethylphthalate	1700	0	1000	62	49-112
2,6-Dinitrotoluene	1700	0	1100	64	50-109

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 1 out of 65 outside limits

COMMENTS:

URS152 B13

Form 6

SVOCS IN SOIL INITIAL CALIBRATION DATA

Lab Name: H2M LABS INC Contract: H2M LABS INC

Lab Code: H2M Case No.: URS SAS No.: SDG No.: URS152

Instrument ID: HP5973N Calibration Dates: 5/10/2013 5/10/2013

Heated Purge: (Y/N) N Calibration Times: 10:26 14:18

GC Column: Rxi-5SILMS ID: 0.25 (mm)

LAB FILE ID: STD001= N57859.D STD005= N57857.D STD010= N57856.D STD025= N57852.D STD040= N57855.D

STD060= N57854.D STD080= N57853.D

COMPOUND		Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7				RRF	% RSD	R ²
1,2,4,5-Tetrachlorobenzene		0.5024056	0.5245604	0.5117019	0.5698507	0.5941750	0.5136753	0.61178203				0.547	8.1	
Fluorene		1.258928	1.3196051	1.2894993	1.4283120	1.4551706	1.3828922	1.57272843				1.387	7.9	
4-Chlorophenyl-phenylether		0.5171783	0.5880198	0.5640654	0.6153119	0.6322561	0.6156425	0.7273281				0.609	10.7	
4-Nitroaniline		0.157078	0.2673278	0.2853845	0.3211933	0.3128904	0.2966012	0.33706159				0.283	21.2	
4,6-Dinitro-2-methylphenol		0	0.109743	0.1181535	0.1395527	0.1544755	0.1482039	0.16728368				0.140	15.7	
N-Nitrosodiphenylamine	*	0.6172203	0.6824646	0.6716261	0.7275465	0.7627448	0.7361413	0.82485389				0.718	9.4	*
1,2-Diphenylhydrazine		0.9792542	1.0384356	0.9861148	1.0698598	1.0842896	1.0265261	1.11133331				1.042	4.7	
4-Bromophenyl-phenylether		0.1878418	0.2122248	0.2049272	0.2236324	0.2452577	0.2370412	0.27190464				0.226	12.4	
Hexachlorobenzene		0.2243616	0.224307	0.2206948	0.240966	0.2590064	0.2493851	0.28682687				0.244	9.8	
Atrazine		0.1750056	0.1891428	0.1664839	0.170131	0.1449938	0.1010514	0.09482706				0.149	25.0	
Pentachlorophenol	*	0	0.0727684	0.095616	0.1189962	0.1425332	0.1447382	0.17716255				0.125	30.0	*
Phenanthrene		1.1454011	1.1479818	1.1078346	1.2412094	1.2975651	1.2554082	1.45760176				1.236	9.7	
Anthracene		1.1520904	1.2183495	1.1570458	1.2649701	1.3133381	1.2641779	1.43368524				1.258	7.8	
Carbazole		0.7618531	0.9723183	0.9900956	1.1119985	1.1606242	1.1146187	1.26704335				1.054	15.5	
Di-n-butyl phthalate		1.1784859	1.3766376	1.3486490	1.4817425	1.4640165	1.3807263	1.62939625				1.409	9.9	
Fluoranthene	*	1.0572655	1.1983766	1.1648605	1.2910598	1.3172891	1.2627290	1.50291769				1.256	11.1	*
Pyrene		1.2925278	1.3114615	1.2439673	1.2816281	1.3301297	1.2538696	1.30195928				1.288	2.4	
Butyl benzyl phthalate		0.5948877	0.6511381	0.6354472	0.6827562	0.6952879	0.6649466	0.74836683				0.668	7.3	
3,3'-Dichlorobenzidine		0.2725997	0.3188927	0.3409586	0.3833775	0.4264786	0.4506088	0.49676219				0.384	20.6	
Benzo(a)anthracene		1.2112964	1.1600310	1.1344492	1.1974186	1.210472	1.1484331	1.27393883				1.191	4.0	
Chrysene		1.0388117	1.0549525	1.0042969	1.0424907	1.0919544	1.0409197	1.13821762				1.059	4.1	
Bis(2-ethylhexyl)phthalate		0.7950122	0.9107938	0.8734898	0.9595089	0.9440481	0.8902106	1.06383213				0.920	9.1	
Di-n-octyl phthalate	*	1.6526724	1.8524146	1.7868899	1.9326333	1.8329738	1.7170001	2.00071539				1.825	6.6	*

URS152 B615

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS152

Lab File ID: 3\N58291.D DFTPP Injection Date: 05/29/13

Instrument ID: HP5973N DFTPP Injection Time: 14:13

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	30.1
68	Less than 2% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	39.5
70	Less than 2% of mass 69	0.1 (0.2)1
127	40.0 - 60.0% of mass 198	48.6
197	Less than 1% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5.0 - 9.0% of mass 198	6.7
275	10.0 - 30.0% of mass 198	22.4
365	Greater than 1% of mass 198	2.4
441	Present, but less than mass 443	19.6
442	40.0 - 110.0% of mass 198	108.7
443	17.0 - 23.0% of mass 442	20.3 (18.7)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD025	SSTD025	3\N58292.D	05/29/13	14:33
02	MB-39842	MB-39842	3\N58294.D	05/29/13	15:34
03	LFB-39842	LFB-39842	3\N58295.D	05/29/13	16:05
04	RB-4	1305B03-002B	3\N58296.D	05/29/13	16:35

7D

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS152

Instrument ID: HP5973N Calibration Date: 5/29/201 Time: 14:33

Lab File ID: 3\N58292.D Init. Calib. Date(s): 05/10/13 05/10/13

EPA Sample No.(SSTD050##): SSTD025 Init. Calib. Times: 10:26 14:18

GC Column: Rxi-5SILMS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Benzaldehyde	0.917	0.457		-50.2	
Phenol	2.202	2.262		2.7	20.0
Bis(2-chloroethyl)ether	1.782	1.688		-5.3	
2-Chlorophenol	1.557	1.582		1.6	
2-Methylphenol	1.403	1.406		0.2	
2,2'-oxybis(1-chloropropane)	2.507	2.035		-18.8	
Acetophenone	2.942	2.153		-26.8	
4-Methylphenol	1.563	1.575		0.8	
N-Nitroso-di-n-propylamine	1.223	1.098	0.050	-10.2	
Hexachloroethane	0.693	0.653		-5.8	
Nitrobenzene	0.447	0.386		-13.7	
Isophorone	0.781	0.717		-8.2	
2-Nitrophenol	0.201	0.211		5.2	20.0
2,4-Dimethylphenol	0.369	0.358		-2.9	
Bis(2-chloroethoxy)methane	0.493	0.480		-2.6	
2,4-Dichlorophenol	0.267	0.299		11.9	20.0
Naphthalene	1.120	1.126		0.6	
4-Chloroaniline	0.443	0.469		5.9	
Hexachlorobutadiene	0.170	0.173		1.5	20.0
Caprolactam	0.113	0.123		9.2	
4-Chloro-3-methylphenol	0.289	0.296		2.4	20.0
2-Methylnaphthalene	0.715	0.736		2.9	
Hexachlorocyclopentadiene	0.314	0.237	0.050	-24.6	
2,4,6-Trichlorophenol	0.335	0.362		8.1	20.0
2,4,5-Trichlorophenol	0.318	0.353		11.0	
1,1'-Biphenyl	1.529	1.620		6.0	
2-Chloronaphthalene	1.220	1.273		4.4	
2-Nitroaniline	0.360	0.311		-13.5	
Dimethylphthalate	1.223	1.259		3.0	
2,6-Dinitrotoluene	0.291	0.307		5.4	
Acenaphthylene	1.892	1.937		2.4	
3-Nitroaniline	0.296	0.336		13.4	
Acenaphthene	1.243	1.259		1.3	20.0
2,4-Dinitrophenol	0.132	0.135	0.050	2.6	
4-Nitrophenol	0.121	0.116	0.050	-4.2	
Dibenzofuran	1.582	1.657		4.8	
2,4-Dinitrotoluene	0.369	0.391		6.1	
Diethylphthalate	1.231	1.238		0.5	

All other compounds must meet a minimum RRF of 0.010.

URS152 B663

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS152

Lab File ID: 3\N58429.D DFTPP Injection Date: 06/04/13

Instrument ID: HP5973N DFTPP Injection Time: 11:21

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	34.7
68	Less than 2% of mass 69	0.2 (0.5)1
69	Mass 69 relative abundance	43.4
70	Less than 2% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	51.1
197	Less than 1% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5.0 - 9.0% of mass 198	7.0
275	10.0 - 30.0% of mass 198	21.0
365	Greater than 1% of mass 198	2.2
441	Present, but less than mass 443	18.3
442	40.0 - 110.0% of mass 198	95.8
443	17.0 - 23.0% of mass 442	18.7 (19.5)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD025	SSTD025	3\N58430.D	06/04/13	11:41
02	LFB-39908	LFB-39908	3\N58435.D	06/04/13	14:13
03	MB-39908	MB-39908	3\N58436.D	06/04/13	14:43
04	SB-5 (10-12)	1305A32-001B	3\N58437.D	06/04/13	15:13
05	SB-5 (12-14)	1305A32-002B	3\N58438.D	06/04/13	15:44
06	SB-5 (16-18)	1305A32-004B	3\N58440.D	06/04/13	16:45
07	SB-5 (18-20)	1305A32-005B	3\N58441.D	06/04/13	17:15
08	SB-6 (0-2)	1305A32-006B	3\N58442.D	06/04/13	17:46
09	SB-6 (0-2)MS	1305A32-006BMS	3\N58443.D	06/04/13	18:16
10	SB-6 (0-2)MSD	1305A32-006BMSD	3\N58444.D	06/04/13	18:47
11	SB-6 (2-4)	1305A32-007B	3\N58445.D	06/04/13	19:17
12	SB-6 (4-6)	1305A32-008B	3\N58446.D	06/04/13	19:48

URS152 B20

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS152

Instrument ID: HP5973N Calibration Date: 6/4/2013 Time: 11:41

Lab File ID: 3\N58430.D Init. Calib. Date(s): 05/10/13 05/10/13

EPA Sample No.(SSTD050##): SSTD025 Init. Calib. Times: 10:26 14:18

GC Column: Rxi-5SILMS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Benzaldehyde	0.917	0.372		-59.4	
Phenol	2.202	2.188		-0.7	20.0
Bis(2-chloroethyl)ether	1.782	1.565		-12.2	
2-Chlorophenol	1.557	1.448		-7.0	
2-Methylphenol	1.403	1.276		-9.1	
2,2'-oxybis(1-chloropropane)	2.507	1.907		-23.9	
Acetophenone	2.942	2.076		-29.4	
4-Methylphenol	1.563	1.400		-10.4	
N-Nitroso-di-n-propylamine	1.223	1.017	0.050	-16.8	
Hexachloroethane	0.693	0.630		-9.1	
Nitrobenzene	0.447	0.388		-13.2	
Isophorone	0.781	0.708		-9.3	
2-Nitrophenol	0.201	0.215		7.2	20.0
2,4-Dimethylphenol	0.369	0.357		-3.1	
Bis(2-chloroethoxy)methane	0.493	0.467		-5.2	
2,4-Dichlorophenol	0.267	0.297		11.1	20.0
Naphthalene	1.120	1.121		0.1	
4-Chloroaniline	0.443	0.462		4.4	
Hexachlorobutadiene	0.170	0.174		2.1	20.0
Caprolactam	0.113	0.117		3.9	
4-Chloro-3-methylphenol	0.289	0.283		-2.1	20.0
2-Methylnaphthalene	0.715	0.739		3.3	
Hexachlorocyclopentadiene	0.314	0.220	0.050	-30.0	
2,4,6-Trichlorophenol	0.335	0.343		2.4	20.0
2,4,5-Trichlorophenol	0.318	0.341		7.2	
1,1'-Biphenyl	1.529	1.618		5.8	
2-Chloronaphthalene	1.220	1.287		5.5	
2-Nitroaniline	0.360	0.306		-14.9	
Dimethylphthalate	1.223	1.228		0.4	
2,6-Dinitrotoluene	0.291	0.300		3.0	
Acenaphthylene	1.892	1.922		1.6	
3-Nitroaniline	0.296	0.334		12.8	
Acenaphthene	1.243	1.262		1.5	20.0
2,4-Dinitrophenol	0.132	0.137	0.050	4.1	
4-Nitrophenol	0.121	0.116	0.050	-4.2	
Dibenzofuran	1.582	1.612		1.9	
2,4-Dinitrotoluene	0.369	0.379		2.8	
Diethylphthalate	1.231	1.179		-4.2	

All other compounds must meet a minimum RRF of 0.010.

URS152 B671

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS152

Lab File ID: 3\N58468.D DFTPP Injection Date: 06/05/13

Instrument ID: HP5973N DFTPP Injection Time: 19:21

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	33.3
68	Less than 2% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	43.3
70	Less than 2% of mass 69	0.3 (0.6)1
127	40.0 - 60.0% of mass 198	52.0
197	Less than 1% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5.0 - 9.0% of mass 198	6.7
275	10.0 - 30.0% of mass 198	22.0
365	Greater than 1% of mass 198	2.3
441	Present, but less than mass 443	17.7
442	40.0 - 110.0% of mass 198	94.9
443	17.0 - 23.0% of mass 442	18.3 (19.2)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD025	SSTD025	3\N58469.D	06/05/13	19:41
02	SB-5 (14-16)	1305A32-003B	3\N58472.D	06/05/13	21:12
03	SB-6 (6-8)	1305A32-009B	3\N58473.D	06/05/13	21:42
04	SB-6 (8-10)	1305A32-010B	3\N58474.D	06/05/13	22:12
05	SB-6 (10-12)	1305A32-011B	3\N58475.D	06/05/13	22:43
06	SB-6 (12-14)	1305A32-012B	3\N58476.D	06/05/13	23:13
07	SB-6 (14-16)	1305A32-013B	3\N58477.D	06/05/13	23:43
08	SB-6 (16-18)	1305A32-014B	3\N58478.D	06/06/13	0:13
09	SB-6 (18-20)	1305A32-015B	3\N58479.D	06/06/13	0:43
10	MW-4 (2-4)	1305B03-001B	3\N58480.D	06/06/13	1:14
11	SB-7 (0-2)	1305C61-001B	3\N58481.D	06/06/13	1:44
12	SB-7 (2-4)	1305C61-002B	3\N58482.D	06/06/13	2:14
13	SB-7 (4-6)	1305C61-003B	3\N58483.D	06/06/13	2:44
14	SB-7 (6-8)	1305C61-004B	3\N58484.D	06/06/13	3:14

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS152

Instrument ID: HP5973N Calibration Date: 6/5/2013 Time: 19:41

Lab File ID: 3\N58469.D Init. Calib. Date(s): 05/10/13 05/10/13

EPA Sample No.(SSTD050##): SSTD025 Init. Calib. Times: 10:26 14:18

GC Column: Rxi-5SILMS ID: 0.25 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Benzaldehyde	0.917	0.361		-60.6	
Phenol	2.202	2.209		0.3	20.0
Bis(2-chloroethyl)ether	1.782	1.566		-12.1	
2-Chlorophenol	1.557	1.534		-1.5	
2-Methylphenol	1.403	1.414		0.7	
2,2'-oxybis(1-chloropropane)	2.507	1.850		-26.2	
Acetophenone	2.942	2.089		-29.0	
4-Methylphenol	1.563	1.601		2.4	
N-Nitroso-di-n-propylamine	1.223	1.021	0.050	-16.5	
Hexachloroethane	0.693	0.649		-6.3	
Nitrobenzene	0.447	0.381		-14.8	
Isophorone	0.781	0.701		-10.2	
2-Nitrophenol	0.201	0.215		7.2	20.0
2,4-Dimethylphenol	0.369	0.340		-7.7	
Bis(2-chloroethoxy)methane	0.493	0.463		-6.0	
2,4-Dichlorophenol	0.267	0.298		11.5	20.0
Naphthalene	1.120	1.109		-1.0	
4-Chloroaniline	0.443	0.465		5.0	
Hexachlorobutadiene	0.170	0.174		2.1	20.0
Caprolactam	0.113	0.115		2.1	
4-Chloro-3-methylphenol	0.289	0.290		0.3	20.0
2-Methylnaphthalene	0.715	0.740		3.5	
Hexachlorocyclopentadiene	0.314	0.213	0.050	32.2	
2,4,6-Trichlorophenol	0.335	0.356		6.3	20.0
2,4,5-Trichlorophenol	0.318	0.378		18.8	
1,1'-Biphenyl	1.529	1.623		6.2	
2-Chloronaphthalene	1.220	1.260		3.3	
2-Nitroaniline	0.360	0.309		-14.1	
Dimethylphthalate	1.223	1.245		1.8	
2,6-Dinitrotoluene	0.291	0.309		6.1	
Acenaphthylene	1.892	1.941		2.6	
3-Nitroaniline	0.296	0.348		17.5	
Acenaphthene	1.243	1.259		1.3	20.0
2,4-Dinitrophenol	0.132	0.120	0.050	-8.8	
4-Nitrophenol	0.121	0.120	0.050	-0.9	
Dibenzofuran	1.582	1.645		4.0	
2,4-Dinitrotoluene	0.369	0.392		6.3	
Diethylphthalate	1.231	1.230		-0.1	

All other compounds must meet a minimum RRF of 0.010.

URS152 B679

H 2 M labs

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR ORGANOPHOSPHOROUS PESTICIDES
SAMPLES RECEIVED: 5/18/13, 5/21/13 & 5/23/13
SDG #: URS152

For Sample(s):

SB-5 (10-12)	SB-6 (6-8)	MW-4 (2-4)
SB-5 (12-14)	SB-6 (8-10)	RB-4
SB-5 (14-16)	SB-6 (10-12)	SB-7 (0-2)
SB-5 (16-18)	SB-6 (12-14)	SB-7 (2-4)
SB-5 (18-20)	SB-6 (14-16)	SB-7 (4-6)
SB-6 (0-2)	SB-6 (16-18)	
SB-6 (2-4)	SB-6 (18-20)	

The above sample(s) was/were analyzed for organophosphorous pesticides by EPA method 8141.

All Q. C. data and calibrations met the requirements of the method unless discussed below, and no problems were encountered with sample analysis. The following should be noted:

Sample SB-7 (2-4) was analyzed as the matrix spike/matrix spike duplicate. All percent recoveries and RPDs were met. Lab fortified blanks were analyzed and indicate good method efficiency.

Positives were confirmed by reanalysis on a dissimilar analytical column.

Linear calibration was used for all analytes. In the continuing calibration verifications (CCV), some compounds exceeded the variability criterion of a percent difference of 15%. (Famphur and methidathion in CCV US11906 and dimethoate in US11907 had high responses.) Results for these analytes would be regarded estimated in the affected analyses, however none of the compounds were found in the samples.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: June 18, 2013

****
* *
* *
****

Joann M. Slavin
Senior Vice President

URS152 A7

H 2 M labs

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR PESTICIDES/PCBS ANALYSIS
SAMPLES RECEIVED: 5/18/13, 5/21/13 & 5/23/13
SDG #: URS152

For Sample(s):

SB-5 (10-12)	SB-6 (4-6)	SB-6 (18-20)
SB-5 (12-14)	SB-6 (6-8)	MW-4 (2-4)
SB-5 (14-16)	SB-6 (8-10)	RB-4
SB-5 (16-18)	SB-6 (10-12)	SB-7 (0-2)
SB-5 (18-20)	SB-6 (12-14)	SB-7 (2-4)
SB-6 (0-2)	SB-6 (14-16)	SB-7 (4-6)
SB-6 (2-4)	SB-6 (16-18)	SB-7 (6-8)

The above soil sample(s) and blank(s) was/were analyzed for pesticides and aroclors by methods 8081A and 8082 in accordance with the NYSDEC ASP, Rev. 7/2005 and reported with the requested deliverables.

All Q. C. data and calibrations met the requirements of the protocol, unless discussed below. No problems were encountered with sample analysis. The following should be noted:

The soil extracts were subjected to GPC cleanup. The final concentrates of the extracts were split and analyzed separately for pesticides and PCBs. The aliquots for aroclors analysis were cleaned up with sulfuric acid and TBA for sulfur removal. These aliquots for aroclors analysis are reported with an "A" suffix.

No sample was submitted for matrix spike/ matrix spike duplicate (MS/MSD), but sample SB-6 (0-2) was selected for in-house Q. C. batch Q. C. MS/MSD analysis. The single peak pesticides mix was spiked. All recoveries and RPDs met Q. C. limits.

Lab fortified blanks (LFB) for the single peak pesticides mix, aroclors and toxaphene were analyzed, and recoveries indicate good method efficiency. In the water LFB-39844, recovery for endrin was above the Q. C. limit. No positive sample data are affected.

Three samples were reanalyzed at dilutions due to concentration levels of targeted analytes above the calibration range. Sample SB-7 (6-8) was diluted twice. Both sets of data, and respectively all three sets of data, are submitted. In the dilutions no surrogate recoveries were reportable, because the surrogates were diluted out.

Due to unresolved interferences, surrogate recoveries were outside Q. C. limits for TCX and DCB on one column in two of the high samples, SB-5 (10-12) and SB-7 (6-8). In sample SB-7 (6-8)A, DCB was also high on both columns.

H 2 M labs

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR PESTICIDES/PCBS ANALYSIS
SAMPLES RECEIVED: 5/18/13, 5/21/13 & 5/23/13
SDG #: URS152

In the continuing calibration verifications (CCV) on 6/11/13, the responses for methoxychlor and 4,4'-DDT were high on one or both column. Only the dilutions were analyzed on that day, which were not affected, because other analytes were high in the samples.

Positives are reported to the practical detection limits (PQL) of ½ of the reporting limits. In sample SB-7 (6-8) a raised PQL for gamma chlordane is reported for both analyses, because peaks were detected on one column, but could not be confirmed due to an interference on the other column that would mask a peak for gamma chlordane. The compound was flagged with the qualifier "X".

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: July 8, 2013

****
* Middel *
****

Ursula Middel
Technical Manager

2F

SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS152

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	Other (1)	Other (2)	TOT OUT
25	SB-6 (0-2)	74	72	59	53			0
26	SB-6 (0-2)MS	80	82	50	52			0
27	SB-6 (0-2)MSD	70	72	49	46			0
28	SB-5 (12-14)	76	126	58	55			0
29	SB-5 (14-16)	55	72	46	50			0
30	SB-5 (16-18)	57	57	45	46			0
31	SB-5 (18-20)	71	74	52	50			0
32	SB-6 (2-4)	83	84	61	61			0
33	SB-6 (4-6)	78	81	59	57			0
34	SB-6 (6-8)	69	88	53	47			0
35	SB-6 (10-12)	65	72	55	48			0
36	SB-6 (12-14)	69	73	50	53			0
37	SB-6 (14-16)	71	80	47	56			0
38	SB-6 (16-18)	59	77	51	49			0
39	SB-6 (18-20)	73	74	53	50			0
40	MW-4 (2-4)	68	65	53	51			0
41	SB-7 (0-2)	73	80	60	53			0
42	SB-7 (2-4)	78	85	59	54			0
43	SB-7 (4-6)	74	83	60	56			0
44	SB-6 (8-10)	75	74	86	139			0
45	SB-7 (6-8)	63	279 *	148	171 *			2
46	SB-5 (10-12)	89	171 *	117	123			1
47	mb-39887	76	84	49	55			0
48	SB-7 (6-8)DL	0 D	0 D	0 D	0 D			0

QC Limits

TCX = Tetrachloro-m-xylene (30-150)
DCB = Decachlorobiphenyl (30-150)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

2F

SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS152

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	Other (1)	Other (2)	TOT OUT
01	MB-39887A	84	83	61	58			0
02	LFB2-39887A	92	92	62	55			0
03	SB-5 (10-12)A	81	72	58	75			0
04	SB-5 (12-14)A	137	74	55	53			0
05	SB-5 (14-16)A	66	69	61	52			0
06	SB-5 (16-18)A	62	60	51	45			0
07	SB-5 (18-20)A	80	80	64	52			0
08	SB-6 (0-2)A	79	78	63	54			0
09	SB-6 (2-4)A	89	87	65	60			0
10	SB-6 (4-6)A	87	89	65	58			0
11	SB-6 (10-12)A	68	69	60	55			0
12	SB-6 (12-14)A	68	71	62	51			0
13	SB-6 (14-16)A	74	77	58	52			0
14	SB-6 (16-18)A	62	63	55	50			0
15	SB-6 (18-20)A	76	74	59	53			0
16	SB-6 (6-8)A	71	85	58	54			0
17	SB-6 (8-10)A	79	91	60	95			0
18	SB-7 (6-8)A	161 *	231 *	67	95			2
19	MW-4 (2-4)A	62	66	53	41			0
20	SB-7 (0-2)A	76	76	52	45			0
21	SB-7 (2-4)A	82	82	53	59			0
22	SB-7 (4-6)A	80	82	53	49			0
23	lfb1-39887	77	74	52	51			0
24	lfb3-39887	78	78	60	53			0

QC Limits

TCX = Tetrachloro-m-xylene (30-150)

DCB = Decachlorobiphenyl (30-150)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

URS152 P6

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

SB-5 (10-12)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS152

Lab Sample ID: 1305a32-001b Date(s) Analyzed: 6/5/2013 6/5/2013

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
E Aldrin	1	5.15	5.14	5.20	180	
	2	4.39	4.37	4.43	230	27.8
Heptachlor epoxide	1	6.08	6.07	6.13	2.2	
	2	5.24	5.19	5.25	3.3	50.0
Endosulfan I	1	6.64	6.63	6.69	3.5	
	2	5.85	5.80	5.86	1.4	150.0
Dieldrin	1	6.94	6.92	6.98	70	
	2	6.25	6.23	6.29	88	25.7
4,4'-DDE	1	6.55	6.54	6.60	10	
	2	6.04	6.02	6.08	10	0.0
4,4'-DDD	1	7.26	7.25	7.31	41	
	2	6.83	6.81	6.87	44	7.3
4,4'-DDT	1	7.57	7.54	7.60	3.1	
	2	7.18	7.16	7.22	3.0	3.3

FORM X PEST- 1 SW8081/8082

URS152 P496

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

SB-5 (10-12)DL

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS152

Lab Sample ID: 1305a32-001bDL Date(s) Analyzed: /14/2013 /14/2013

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Aldrin	1	5.15	5.12	5.18	270	
	2	4.38	4.35	4.41	270	0.0
Dieldrin	1	6.93	6.91	6.97	100	
	2	6.24	6.22	6.28	110	10.0
4,4'-DDD	1	7.26	7.24	7.30	60	
	2	6.83	6.80	6.86	47	27.7

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

SB-5 (14-16) 7/8/13

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS152

Lab Sample ID: 1305a32-003b Date(s) Analyzed: 6/4/2013 6/4/2013

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Aldrin	1	5.16	5.14	5.20	4.6	
	2	4.39	4.37	4.43	4.2	9.5
4,4'-DDD	1	7.27	7.25	7.31	1.7	
	2	6.83	6.81	6.87	3.0	76.5

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

SB-5 (18-20)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS152

Lab Sample ID: 1305a32-005b Date(s) Analyzed: 6/4/2013 6/4/2013

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Aldrin	1	5.16	5.14	5.20	3.8	
	2	4.39	4.37	4.43	3.6	5.6
4,4'-DDD	1	7.27	7.25	7.31	1.4	
	2	6.84	6.81	6.87	1.1	27.3

FORM X PEST- 1 SW8081/8082

URS152 P500

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

SB-6 (2-4)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS152

Lab Sample ID: 1305a32-007b Date(s) Analyzed: 6/4/2013 6/4/2013

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
4,4'-DDE	1	6.56	6.54	6.60	1.5	
	2	6.04	6.02	6.08	1.0	50.0
4,4'-DDT	1	7.56	7.54	7.60	2.5	
	2	7.18	7.16	7.22	3.0	20.0

URS152 P501

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

SB-6 (4-6)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS152

Lab Sample ID: 1305a32-008b Date(s) Analyzed: 6/4/2013 6/4/2013

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Dieldrin	1	6.94	6.92	6.98	2.5	
	2	6.25	6.23	6.29	4.3	72.0
4,4'-DDE	1	6.56	6.54	6.60	2.8	
	2	6.05	6.02	6.08	2.0	40.0
4,4'-DDD	1	7.27	7.25	7.31	4.5	
	2	6.84	6.81	6.87	3.1	45.2
4,4'-DDT	1	7.57	7.54	7.60	2.5	
	2	7.18	7.16	7.22	2.6	4.0

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

SB-6 (6-8)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS152

Lab Sample ID: 1305a32-009b Date(s) Analyzed: 6/5/2013 6/5/2013

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Dieldrin	1	6.94	6.92	6.98	3.7	
	2	6.26	6.23	6.29	5.8	56.8
4,4'-DDE	1	6.56	6.54	6.60	7.0	
	2	6.04	6.02	6.08	7.8	11.4
4,4'-DDD	1	7.27	7.25	7.31	7.6	
	2	6.84	6.81	6.87	6.8	11.8
4,4'-DDT	1	7.57	7.54	7.60	1.8	
	2	7.18	7.16	7.22	2.3	27.8

FORM X PEST- 1 SW8081/8082

URS152 P503

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

MW-4 (2-4)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS152

Lab Sample ID: 1305b03-001b Date(s) Analyzed: 6/5/2013 6/5/2013

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Dieldrin	1	6.94	6.92	6.98	2.3	
	2	6.26	6.23	6.29	2.8	21.7
4,4'-DDD	1	7.27	7.25	7.31	3.0	
	2	6.84	6.81	6.87	2.0	50.0

FORM X PEST- 1 SW8081/8082

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

SB-7 (4-6)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS152

Lab Sample ID: 1305C61-003b Date(s) Analyzed: 6/5/2013 6/5/2013

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Dieldrin	1	6.94	6.92	6.98	7.2	
	2	6.26	6.23	6.29	9.9	37.5
4,4'-DDE	1	6.56	6.54	6.60	8.4	
	2	6.04	6.02	6.08	8.4	0.0
4,4'-DDD	1	7.27	7.25	7.31	6.0	
	2	6.84	6.81	6.87	2.7	122.2
4,4'-DDT	1	7.57	7.54	7.60	5.1	
	2	7.18	7.16	7.22	6.8	33.3

10A

CLIENT SAMPLE NO.

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

SB-7 (6-8)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS152

Lab Sample ID: 1305c61-004b Date(s) Analyzed: 6/5/2013 6/5/2013

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

	ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
	delta-BHC	1	4.45	4.41	4.47	4.6	
		2	3.92	3.88	3.94	1.2	283.3
	gamma-BHC	1	4.07	4.07	4.13	3.2	
		2	3.49	3.45	3.51	2.3	39.1
F	Aldrin	1	5.17	5.14	5.20	84	
		2	4.40	4.37	4.43	100	19.0
	Heptachlor epoxide	1	6.09	6.07	6.13	7.5	
		2	5.23	5.19	5.25	3.0	150.0
	Endosulfan I	1	6.68	6.63	6.69	1.5	
		2	5.84	5.80	5.86	1.0	50.0
F	Dieldrin	1	0.00	6.92	6.98	61	
		2	0.00	6.23	6.29	61	0.0
F	4,4'-DDE	1	6.57	6.54	6.60	65	
		2	6.05	6.02	6.08	99	52.3
	Endrin	1	7.21	7.19	7.25	15	
		2	6.67	6.64	6.70	6.9	117.4
F	4,4'-DDD	1	7.28	7.25	7.31	150	
		2	6.84	6.81	6.87	170	13.3

URS152 P508

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

SB-7 (6-8)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS152

Lab Sample ID: 1305c61-004b Date(s) Analyzed: 6/5/2013 6/5/2013

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

Endosulfan sulfate	1	8.27	8.24	8.30	4.7	
	2	7.57	7.55	7.61	7.3	55.3
4,4'-DDT	1	7.57	7.54	7.60	8.7	
	2	7.19	7.16	7.22	3.4	155.9
Endrin ketone	1	8.53	8.50	8.56	16	
	2	8.05	8.03	8.09	6.3	154.0
alpha-Chlordane	1	6.47	6.44	6.50	5.9	
	2	5.75	5.72	5.78	6.9	16.9
gamma-Chlordane	1	6.29	6.26	6.32	7.5	
	2	0.00	5.48	5.54	61	713.3

1) saturated
MW 7-8-13
5.47

FORM X PEST- 1 SW8081/8082

URS152 P509

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

SB-7 (6-8)DL

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS152

Lab Sample ID: 1305c61-004bDL Date(s) Analyzed: /11/2013 /11/2013

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Aldrin	1	5.15	5.12	5.18	120	
	2	4.38	4.35	4.41	120	0.0
Dieldrin	1	6.93	6.91	6.97	710	
	2	6.25	6.22	6.28	800	12.7
4,4'-DDE	1	6.55	6.53	6.59	86	
	2	6.03	6.01	6.07	120	39.5
4,4'-DDD	1	7.26	7.24	7.30	190	
	2	6.83	6.80	6.86	210	10.5
gamma-Chlordane	1	6.27	6.24	6.30	9.5	
	2	0.00	5.46	5.52	310	999.9

5.45
1.) Saturated
MI 7-8-13

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

SB-7 (6-8)DL2

MK 7-8-13

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS152

Lab Sample ID: 1305c61-004bDL Date(s) Analyzed: /11/2013 /11/2013

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Aldrin	1	5.15	5.12	5.18	120	
	2	4.38	4.35	4.41	110	9.1
Dieldrin	1	6.93	6.91	6.97	670	
	2	6.24	6.22	6.28	750	11.9
4,4'-DDE	1	6.55	6.53	6.59	76	
	2	6.03	6.01	6.07	110	44.7
4,4'-DDD	1	7.26	7.24	7.30	170	
	2	6.83	6.80	6.86	190	11.8

FORM X PEST- 1 SW8081/8082

URS152 P511

H 2 M labs

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR HERBICIDES ANALYSES
SAMPLES RECEIVED: 5/18/13, 5/21/13 & 5/23/13
SDG #: URS152

For Sample(s):

SB-5 (14-16)	SB-6 (6-8)	SB-6 (18-20)
SB-5 (16-18)	SB-6 (8-10)	MW-4 (2-4)
SB-5 (18-20)	SB-6 (10-12)	RB-4
SB-6 (0-2)	SB-6 (12-14)	SB-7 (0-2)
SB-6 (2-4)	SB-6 (14-16)	SB-7 (2-4)
SB-6 (4-6)	SB-6 (16-18)	SB-7 (4-6)

The above soil sample(s) and blank(s) was/were analyzed for herbicides by EPA method 8151A. Picloram, dinoseb and 2,4-DB have been added to the originally reported list of herbicides. Please note that ELAP / NELAC do not offer certification for picloram.

All Q. C. data and calibrations met the requirements of the method unless discussed below, and no problems were encountered with sample analysis. The following should be noted:

Sample SB-6 (0-2) was selected for matrix spike analysis. Recoveries for picloram and 2,4-DB were below Q. C. limits. Note that the limits for 2,4-DB do not apply due to the high concentration in the sample, and therefore the spike amount was not a multiple of the sample concentration.

Results for all lab fortified blanks and sulfur cleaned aliquots met control limits with the following exception: Recovery for the water LFB (lfb-39790) was low for 2,4-DB. The compound was not found in the rinse blank, and no data are affected.

Two samples and the associated blanks (reported as LSB) and LFBs were subjected to sulfur cleanup. The data for the sulfur cleaned LFB aliquots are reported with the suffix "S".

The recovery for the surrogate DCAA was above the Q. C. limit on one column for four samples.

%D in the continuous calibrations checks (CCV) exceeded 15% on one column for the following analytes:
CCV815120: dicamba on column RTXCLP2
CCV815133: dinoseb on column RTXCLP
CCV815136: dinoseb on column RTXCLP
CCV815107: picloram on column RTXCLP
The analytes were reported from the other (compliant) columns in the affected analyses.

H2M labs
575 Broad Hollow Road
Melville, NY 11747
tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR HERBICIDES ANALYSES
SAMPLES RECEIVED: 5/18/13, 5/21/13 & 5/23/13
SDG #: URS152

In samples SB-6 (0-2), SB-6 (6-8) and MW (2-4) peaks were found within the retention time window of 2,4-DB and therefore reported as positives. However, based on marginal retention times the peaks are suspected to be interferences.

Positives are reported to the practical detection limits of ½ of the reporting limits.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: June 19, 2013

Date Revised: August 27, 2013

****
* *
* Middel *
* *
****
Ursula Middel
Technical Manager

URS152 A11 Revised CLG Sep-03-13

3A

SYSTEM MONITORING SPIKE RECOVERY

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No.: URS SAS No.: SDG No.: URS152

Sample ID lfb-39790 Level: (low/med) LOW

Column ID CLP Column Diam .32

Inst. ID HP6890-1 Init. Calib. Date(s): 05/16/13 19:31

Analysis Date: 05/22/13 20:25 05/16/13 20:34

COMPOUND	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	SPIKE CONCENTRATION (µg/L)	SPIKE % REC #	QC. LIMITS REC.
Picloram	0.5	0	0.41	82	40-160
Dicamba	1	0	0.86	86	10-159
2,4-D	2	0	1.5	74	53-115
2,4,5-TP (Silvex)	1	0	0.73	73	37-140
2,4,5-T	1	0	0.73	73	40-131
Dinoseb	2	0	1.2	82	18-121
2,4-DB	8	0	1.9	23*	40-160

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 1 out of 7 outside limits

COMMENTS:

FORM III SW8151

REVISED KV 28-Aug-13

URS152 H7

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SB-6 (6-8)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS152

Lab Sample ID: 1305A32-009B Date(s) Analyzed: 05/31/13 05/31/13

Instrument ID (1): HP6890-1 Instrument ID (2): HP6890-1

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
2,4-DB	1	6.96	6.96	7.02	19	
	2	7.07	7.01	7.07	31	63.2

REVISED KV 28-Aug-13

URS152 H204

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SB-6 (8-10)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS152

Lab Sample ID: 1305A32-010B Date(s) Analyzed: 05/30/13 05/30/13

Instrument ID (1): HP6890-1 Instrument ID (2): HP6890-1

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
2,4,5-TP (Silvex)	1	6.60	6.58	6.64	83	
	2	6.62	6.60	6.66	80	3.8
2,4,5-T	1	6.75	6.73	6.79	4.1	
	2	6.82	6.80	6.86	21	412.2

REVISED KV 28-Aug-13

URS152 H205

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SB-7 (2-4)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS152

Lab Sample ID: 1305C61-002B Date(s) Analyzed: 05/31/13 05/31/13

Instrument ID (1): HP6890-1 Instrument ID (2): HP6890-1

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
2,4-DB	1	6.98	6.96	7.02	30	
	2	7.05	7.01	7.07	6.8	341.2

REVISED KV 28-Aug-13

URS152 H207

H2M labs

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR METALS ANALYSES
SAMPLE(S) RECEIVED: 5/18/13, 5/21/13 & 5/23/13
SDG #: URS152

For Sample(s):

SB-5 (14-16)	SB-6 (6-8)	SB-6 (18-20)
SB-5 (16-18)	SB-6 (8-10)	MW-4 (2-4)
SB-5 (18-20)	SB-6 (10-12)	RB-4
SB-6 (0-2)	SB-6 (12-14)	SB-7 (0-2)
SB-6 (2-4)	SB-6 (14-16)	SB-7 (4-6)
SB-6 (4-6)	SB-6 (16-18)	

The above sample(s) was/were received by H2M Labs, Inc. for TAL metals analysis.

Samples were prepared and analyzed by 6010B with a TS ICAP 6000 instrument and methods 7470A/7471A with a Leeman HYDRA mercury analyzer.

Sample SB-5 (14-16) was utilized for Q.C. analysis and reporting.

Spike analysis did not meet acceptance criteria for lead and selenium. The sample was post spiked, reanalyzed and recovered at 134.0% for lead and 121.3% for selenium. Associated data were reported flagged "N" on forms 1 and 5A.

Duplicate analysis did not meet acceptance criteria for lead. Lead data was reported flagged "*" on forms 1 and 6.

No other issues were noted during the analysis of this sample group.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: June 20, 2013

Vincent Stancampiano
Vice President

URS152 A12

U.S. EPA - CLP

2B
CRDL STANDARD FOR AA AND ICP

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No. SAS No.: SDG No.: URS152

AA CRDL Standard Source:

ICP CRDL Standard Source: MV Labs/High Purity

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
				Initial			Final	
	True	Found	%R	True	Found	%R	Found	%R
Antimony				120.0	129.00	107.5	124.50	103.8
Arsenic				20.0	19.60	98.0	20.34	101.7
Beryllium				10.0	10.20	102.0	10.50	105.0
Cadmium				10.0	10.60	106.0	10.80	108.0
Chromium				20.0	21.60	108.0	21.60	108.0
Cobalt				100.0	107.60	107.6	107.90	107.9
Copper				50.0	55.00	110.0	50.80	101.6
Lead				6.0	5.45	90.8	6.62	110.3
Manganese				30.0	32.10	107.0	32.70	109.0
Nickel				80.0	85.80	107.3	87.20	109.0
Selenium				10.0	3.62	36.2	9.18	91.8
Silver				20.0	18.62	93.1	18.53	92.7
Thallium				20.0	20.03	100.2	18.41	92.0
Vanadium				100.0	106.30	106.3	103.90	103.9
Zinc				40.0	42.70	106.8	42.70	106.8

URS152 M40

U.S. EPA - CLP

2B
CRDL STANDARD FOR AA AND ICP

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No. SAS No.: SDG No.: URS152

AA CRDL Standard Source:

ICP CRDL Standard Source: MV Labs/High Purity

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
				Initial			Final	
	True	Found	%R	True	Found	%R	Found	%R
Antimony				120.0	124.60	103.8	129.60	108.0
Arsenic				20.0	20.59	103.0	18.52	92.6
Beryllium				10.0	10.20	102.0	10.60	106.0
Cadmium				10.0	10.50	105.0	10.80	108.0
Chromium				20.0	20.20	101.0	20.80	104.0
Cobalt				100.0	104.80	104.8	107.40	107.4
Copper				50.0	51.40	102.8	53.90	107.8
Lead				6.0	7.01	116.9	7.83	130.5
Manganese				30.0	31.80	106.0	33.40	111.3
Nickel				80.0	83.50	104.4	86.40	108.0
Selenium				10.0	11.12	111.2	9.51	95.1
Silver				20.0	19.36	96.8	19.08	95.4
Thallium				20.0	20.16	100.8	20.51	102.6
Vanadium				100.0	104.80	104.8	106.30	106.3
Zinc				40.0	40.70	101.8	46.00	115.0

URS152 M41

U.S. EPA - CLP

3
BLANKS

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No. SAS No.: SDG No.: URS152

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum	9.5	U	34.4	B	12.4	B	10.6	B	2.170	B	P
Antimony	-1.6	B	1.2	U	1.2	U	1.2	U	0.120	U	P
Arsenic	2.8	U	2.8	U	2.8	U	2.8	U	0.280	U	P
Barium	3.7	U	3.7	U	3.7	U	3.7	U	0.370	U	P
Beryllium	0.1	U	0.2	B	0.1	U	0.3	B	0.010	U	P
Cadmium	0.2	B	0.2	B	0.2	B	0.3	B	0.020	B	P
Calcium	-6.9	B	36.9	B	5.3	U	11.5	B	0.700	B	P
Chromium	0.4	U	0.4	U	0.4	U	0.4	U	0.040	U	P
Cobalt	0.4	U	0.4	U	0.4	U	0.4	U	0.040	U	P
Copper	0.4	U	-1.3	B	0.4	U	2.1	B	0.040	U	P
Iron	1.8	U	20.0	B	11.0	B	16.8	B	0.780	B	P
Lead	1.0	U	1.0	U	1.0	U	1.0	U	0.100	U	P
Magnesium	16.9	U	33.5	B	16.9	U	16.9	U	2.820	B	P
Manganese	0.1	U	0.1	U	0.4	B	0.5	B	0.010	U	P
Nickel	0.3	U	0.3	U	2.0	B	2.1	B	0.030	U	P
Potassium	103.0	B	-100.0	B	49.0	U	-53.0	B	11.600	B	P
Selenium	2.3	U	2.3	U	2.3	U	2.3	U	0.230	U	P
Silver	0.2	U	0.2	U	-0.4	B	0.2	U	0.020	U	P
Sodium	1261.3	U	1261.3	U	1261.3	U	1261.3	U	126.000	U	P
Thallium	1.9	U	1.9	U	1.9	U	1.9	U	0.190	U	P
Vanadium	0.3	U	0.3	U	0.3	U	0.3	U	0.030	U	P
Zinc	-1.4	B	-2.3	B	-1.8	B	-1.7	B	0.030	U	P

URS152 M46

U.S. EPA - CLP

3
BLANKS

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No. SAS No.: SDG No.: URS152

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum			-34.0	B							P
Antimony			1.2	U							P
Arsenic			2.8	U							P
Barium			3.7	U							P
Beryllium			0.1	U							P
Cadmium			0.1	U							P
Calcium			-50.0	B							P
Chromium			0.6	B							P
Cobalt			0.4	U							P
Copper			-3.9	B							P
Iron			-20.0	B							P
Lead			1.0	U							P
Magnesium			-47.0	B							P
Manganese			-0.2	B							P
Nickel			0.8	B							P
Potassium			174.0	B							P
Selenium			2.3	U							P
Silver			0.2	U							P
Sodium			1261.3	U							P
Thallium			1.9	U							P
Vanadium			0.3	U							P
Zinc			-1.4	B							P

URS152 M47

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO
SB-5 (14-16)S

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No. SAS No.: SDG No.: URS152

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 78.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony	75-125	111.8574		0.1531	U	127.56	87.7		P
Arsenic	75-125	13.0877		3.8038		10.20	91.0		P
Barium	75-125	542.1300		54.4043		510.24	95.6		P
Beryllium	75-125	12.6540		0.5102	B	12.76	95.2		P
Cadmium	75-125	11.1870		0.0128	U	12.76	87.7		P
Chromium	75-125	65.8465		17.2971		51.02	95.2		P
Cobalt	75-125	130.3663		9.3629		127.56	94.9		P
Copper	75-125	68.4615		7.1689		63.78	96.1		P
Iron		22616.3874		21442.8358		255.12	460.0		P
Lead	75-125	11.7585		0.2331	B	5.10	225.9	N	P
Manganese	75-125	437.7859		316.0937		127.56	95.4		P
Mercury	75-125	0.2077		0.0213	U	0.21	97.7		CV
Nickel	75-125	129.7285		9.8731		127.56	94.0		P
Selenium	75-125	1.3202		0.2934	U	2.55	51.8	N	P
Silver	75-125	11.4881		0.0255	U	12.76	90.1		P
Thallium	75-125	11.5888		0.2424	U	12.76	90.8		P
Vanadium	75-125	156.2610		33.9310		127.56	95.9		P
Zinc	75-125	172.3335		50.5138		127.56	95.5		P

Comments:

URS152 M53

U.S. EPA - CLP

14
ANALYSIS RUN LOG

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No. SAS No.: SDG No.: URS152

Instrument ID Number: ICAP6000 Method: P

Start Date: 06/11/2013 End Date: 06/11/2013

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN	
S0	1.00	1033		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
S	1.00	1037			X																	X						
S	1.00	1042		X						X				X		X												
S	1.00	1046				X									X						X			X				
S	1.00	1050					X	X	X		X	X	X				X		X						X	X		
S	1.00	1055												X														
S	1.00	1059																		X			X					
ICV	1.00	1104		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
ICV	1.00	1108												X														
ICB	1.00	1112		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
ZZZZZZ	1.00	1117																										
CRI	1.00	1121			X	X		X	X		X	X	X		X		X		X		X	X		X	X	X		
ICSA	1.00	1125		X		X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X		
ICSAB	1.00	1130		X		X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X		
CCV	1.00	1135		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
CCV	1.00	1139												X														
CCB	1.00	1143		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
ZZZZZZ	1.00	1148																										
LCSW	1.00	1154		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
ZZZZZZ	1.00	1158																										
ZZZZZZ	1.00	1203																										
ZZZZZZ	1.00	1207																										
ZZZZZZ	1.00	1211																										
ZZZZZZ	1.00	1216																										
ZZZZZZ	1.00	1220																										
RB-4	1.00	1224		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
ZZZZZZ	1.00	1229																										
CCV	1.00	1233		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
CCV	1.00	1237												X														
CCB	1.00	1242		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
ZZZZZZ	1.00	1246																										
ZZZZZZ	1.00	1250																										
ZZZZZZ	1.00	1255																										
ZZZZZZ	1.00	1259																										
ZZZZZZ	1.00	1303																										

U.S. EPA - CLP

14
ANALYSIS RUN LOG

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No. SAS No.: SDG No.: URS152

Instrument ID Number: ICAP6000 Method: P

Start Date: 06/11/2013 End Date: 06/11/2013

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	1.00	1308																									
ZZZZZZ	1.00	1312																									
ZZZZZZ	1.00	1316																									
ZZZZZZ	1.00	1321																									
ZZZZZZ	1.00	1325																									
CCV	1.00	1330		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV	1.00	1334												X													
CCB	1.00	1339		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	5.00	1343																									
ZZZZZZ	1.00	1347																									
ZZZZZZ	1.00	1352																									
ZZZZZZ	1.00	1356																									
ZZZZZZ	1.00	1401																									
PBW	1.00	1405		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1409																									
ZZZZZZ	1.00	1414																									
ZZZZZZ	1.00	1418																									
ZZZZZZ	1.00	1422																									
CCV	1.00	1427		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV	1.00	1431												X													
CCB	1.00	1436		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1440																									
ZZZZZZ	1.00	1444																									
ZZZZZZ	1.00	1449																									
ZZZZZZ	1.00	1453																									
ZZZZZZ	1.00	1457																									
ZZZZZZ	1.00	1501																									
ZZZZZZ	1.00	1506																									
ZZZZZZ	1.00	1510																									
ZZZZZZ	1.00	1515																									
ZZZZZZ	1.00	1519																									
CCV	1.00	1524		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV	1.00	1528												X													
CCB	1.00	1532		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1537																									

U.S. EPA - CLP

14
ANALYSIS RUN LOG

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No. SAS No.: SDG No.: URS152

Instrument ID Number: ICAP6000 Method: P

Start Date: 06/11/2013 End Date: 06/11/2013

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN	
ZZZZZZ	1.00	1541																										
ZZZZZZ	1.00	1545																										
ZZZZZZ	1.00	1550																										
ZZZZZZ	1.00	1554																										
ZZZZZZ	1.00	1559																										
ZZZZZZ	1.00	1603																										
ZZZZZZ	1.00	1608																										
ZZZZZZ	1.00	1612																										
ZZZZZZ	1.00	1617																										
CCV	1.00	1622		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
CCV	1.00	1626												X														
CCB	1.00	1630		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
ZZZZZZ	1.00	1635																										
ZZZZZZ	1.00	1639																										
CRI	1.00	1644			X	X		X	X		X	X	X		X		X		X		X	X		X	X	X		
ICSA	1.00	1648		X		X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X		
ICSAB	1.00	1653		X		X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X		
CCV	1.00	1657		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
CCV	1.00	1701												X														
CCB	1.00	1706		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		

URS152 M74

U.S. EPA - CLP

14
ANALYSIS RUN LOG

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No. SAS No.: SDG No.: URS152

Instrument ID Number: ICAP6000 Method: P

Start Date: 06/17/2013 End Date: 06/17/2013

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	1120		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
S	1.00	1124			X																	X					
S	1.00	1128		X						X				X		X											
S	1.00	1133				X									X						X			X			
S	1.00	1137					X	X	X		X	X	X				X		X						X	X	
S	1.00	1142												X													
S	1.00	1146																		X			X				
ICV	1.00	1151		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ICV	1.00	1155												X													
ICB	1.00	1159		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CRI	1.00	1208			X	X		X	X		X	X	X		X		X		X		X	X		X	X	X	
ICSA	1.00	1212		X		X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
ICSAB	1.00	1217		X		X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
CCV 1	1.00	1221		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV 1	1.00	1226												X													
CCB 1	1.00	1230		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
PBS	1.00	1234		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
LCSS	1.00	1239		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
-5 (14-16)	1.00	1243		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
5 (14-16)D	1.00	1248		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
5 (14-16)S	1.00	1252		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
5 (14-16)L	5.00	1257		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
5 (14-16)A	1.00	1301													X						X						
-5 (16-18)	1.00	1306		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
-5 (18-20)	1.00	1311		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
SB-6 (0-2)	1.00	1315		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV 2	1.00	1320		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV 2	1.00	1324												X													
CCB 2	1.00	1328		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
SB-6 (2-4)	1.00	1333		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
SB-6 (4-6)	1.00	1337		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
SB-6 (6-8)	1.00	1341		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
B-6 (8-10)	1.00	1346		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
-6 (10-12)	1.00	1350		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
-6 (12-14)	1.00	1354		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	

URS152 M75

U.S. EPA - CLP

14
ANALYSIS RUN LOG

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No. SAS No.: SDG No.: URS152

Instrument ID Number: ICAP6000 Method: P

Start Date: 06/17/2013 End Date: 06/17/2013

EPA Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN			
-6 (14-16)	1.00	1359		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
-6 (16-18)	1.00	1403		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
-6 (18-20)	1.00	1408		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
MW-4 (2-4)	1.00	1413		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
CCV 3	1.00	1417		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
CCV 3	1.00	1421												X																
CCB 3	1.00	1426		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
SB-7 (0-2)	1.00	1430		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
SB-7 (4-6)	1.00	1435		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
CRI	1.00	1439			X	X		X	X		X	X	X		X		X		X		X	X		X	X	X			
ICSA	1.00	1443		X		X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
ICSAB	1.00	1537		X		X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
CCV 4	1.00	1542		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
CCV 4	1.00	1547												X																
CCB 4	1.00	1551		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ZZZZZZ	1.00	1555																												
ZZZZZZ	1.00	1600																												
ZZZZZZ	1.00	1604																												
ZZZZZZ	1.00	1609																												
ZZZZZZ	1.00	1614																												
ZZZZZZ	1.00	1618																												
ZZZZZZ	1.00	1622																												
ZZZZZZ	1.00	1627																												
ZZZZZZ	1.00	1631																												
ZZZZZZ	1.00	1635																												
ZZZZZZ	1.00	1640																												
ZZZZZZ	1.00	1644																												
ZZZZZZ	1.00	1649																												
ZZZZZZ	1.00	1653																												
ZZZZZZ	1.00	1657																												
ZZZZZZ	1.00	1702																												
ZZZZZZ	1.00	1706																												
ZZZZZZ	1.00	1710																												
ZZZZZZ	1.00	1715																												
ZZZZZZ	1.00	1719																												

URS152 M76

5.1°C

URS153

CHAIN OF CUSTODY RECORD

URS

PROJECT NO. 11176892.00002 | SITE NAME Old Agway

SAMPLERS (PRINT/SIGNATURE) Tim Burmeier

DELIVERY SERVICE: Fedex AIRBILL NO.:

LAB H24

COOLER 1 of

PAGE 1 of

TESTS: 1,4-D / TAL Metals / TCL VOCs / TCL SVOCs

BOTTLE TYPE AND PRESERVATIVE: 1 8oz Clear / 2 8oz Poly / 8 8oz / 4 VOA Amber 40 ml w/ HCl

LOCATION IDENTIFIER	DATE	TIME	COMP/ GRAB	SAMPLE ID	MATRIX	TOTAL NO.# OF CONTAINERS	REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO.# (IRPIMS ONLY)
MW5	5/21/13	0921	G	MW5(4-8)	SO	4	1305B58-001	N	6	8	
MW6	5/21/13	1150	G	MW6(2-4)	SO	1	-002	N	2	4	
RB5	5/21/13	1350	G	RB5	SO	9	Rinse Blank -003	RB	—	—	

MATRIX CODES	AA - AMBIENT AIR	SE - SEDIMENT	SH - HAZARDOUS SOLID WASTE	SL - SLUDGE	WP - DRINKING WATER	WW - WASTE WATER	WG - GROUND WATER	SO - SOIL	DC - DRILL CUTTINGS	WL - LEACHATE	GS - SOIL GAS	WC - DRILLING WATER	WO - OCEAN WATER	WS - SURFACE WATER	WQ - WATER FIELD QC	LH - HAZARDOUS LIQUID WASTE	LF - FLOATING/FREE PRODUCT ON GW TABLE
SAMPLE TYPE CODES	TB# - TRIP BLANK	SD# - MATRIX SPIKE DUPLICATE	RB# - RINSE BLANK	FR# - FIELD REPLICATE	N# - NORMAL ENVIRONMENTAL SAMPLE	MS# - MATRIX SPIKE	(# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)										

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
Tim Burmeier	5/24/13	2:50		5/24/13	10:00
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME
	5/22/13	10:05		5-22-13	10:05

SPECIAL INSTRUCTIONS

Distribution: Original accompanies shipment, copy to coordinator field files

URSF-075C/1 OF 1/CofCR/GCM

URS153 A14

FED EXP 0020 7060 4570

IR gun 122336969 (122076478)
pH strips (10BDH0431) ≤2 3 9 ≥12
Free Cl2 strips(041912C)Present/Absent
Lot#

URS152/153/154

CHAIN OF CUSTODY RECORD

URS

PROJECT NO. 11176892.00002 | SITE NAME Old Agway

SAMPLERS (PRINT/SIGNATURE) Tim Burmeier

LAB HZM
COOLER 1 of
PAGE 1 of

DELIVERY SERVICE: Fedex AIRBILL NO.:

LOCATION IDENTIFIER	DATE	TIME	COMP/GRAB	SAMPLE ID	MATRIX	TOTAL NO. OF CONTAINERS	TCL VOCs	TAL Metals	PEST/HERB SVOCs/PCBs	TCL SVOCs	BOTTLE TYPE AND PRESERVATIVE				REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO.# (IRPIMS ONLY)
							1oz clear	1oz amber	8oz amber	8oz amber									
SB7	5/22/13	0835	G	SB7(0-2)	SO	4	1	2	1		1305C61	-001			Soil boring	N	0	2	
SB7	5/22/13	0840	G	SB7(2-4)	SO	4	1	2	1			-002			URS 152	N	2	4	
SB7	5/22/13	0845	G	SB7(4-6)	SO	4	1	2	1			-003				N	4	6	
SB7	5/22/13	0855	G	SB7(6-8)	SO	1	—	—	1			-004				N	6	8	
SB7	5/22/13	0905	G	SB7(8-10)	SO	1	—	—	1		1305C62	-001				N	8	10	
SB7	5/22/13	0917	G	SB7(10-12)	SO	1	—	—	1			-002				N	10	12	
SB7	5/22/13	0923	G	SB7(12-14)	SO	4	1	2	1			-003			URS 153	N	12	14	
SB7	5/22/13	0935	G	SB7(14-16)	SO	1	—	—	1			-004				N	14	16	
SB7	5/22/13	0945	G	SB7(16-18)	SO	4	1	2	1			-005				N	16	18	
SB7	5/22/13	0950	G	SB7(18-20)	SO	4	1	2	1			-006				N	18	20	
MW1	5/22/13	1010	G	MW1 DRUM	SO	1	—	—	—	1	1305C64	-001			MW1 DRUM, RCRA	N	—	—	
MW1	5/22/13	1010	G	MW1 DRUM2	SO	1	—	—	—	1	↓	↓			URS 154	N	—	—	

MATRIX CODES							
	AA - AMBIENT AIR	SL - SLUDGE	WG - GROUND WATER	WL - LEACHATE	WO - OCEAN WATER	LH - HAZARDOUS LIQUID WASTE	
	SE - SEDIMENT	WP - DRINKING WATER	SO - SOIL	GS - SOIL GAS	WS - SURFACE WATER	LF - FLOATING/FREE PRODUCT ON GW TABLE	
	SH - HAZARDOUS SOLID WASTE	WW - WASTE WATER	DC - DRILL CUTTINGS	WC - DRILLING WATER	WQ - WATER FIELD QC		
SAMPLE TYPE CODES	TB# - TRIP BLANK	RB# - RINSE BLANK	N# - NORMAL ENVIRONMENTAL SAMPLE				
	SD# - MATRIX SPIKE DUPLICATE	FR# - FIELD REPLICATE	MS# - MATRIX SPIKE	(# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)			

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
Tim Burmeier	5-22-13	1015		5-23-13	1030
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME
	5/23/13	1030		5-23-13	10:30

SPECIAL INSTRUCTIONS
For questions call George Kisluk: 716-856-5636

Distribution: Original accompanies shipment, copy to coordinator field files

URSF-075C/1 OF 1/CofCR/GCM

URS153 A22

IR gun 122336969 / (122076478) Custody seal present

URS153

pH strips (10BDH0431) ≤2 3 9 ≥12

Free Cl2 strips(041912C)Present/Absent

Lot#

CHAIN OF CUSTODY RECORD

URS

PROJECT NO. 11176892.00002

SITE NAME Old Agway

SAMPLERS (PRINT/SIGNATURE) Tim Burmeister / Rachel Cicigline

DELIVERY SERVICE: Fedex AIRBILL NO.:

LAB HZM

COOLER 2 of 3

PAGE 2 of 3

TESTS: VOCs; TAL Metals (Filtered & Unfiltered); Rinse Blank; Rinse Blank; Rinse Blank

BOTTLE TYPE AND PRESERVATIVE: 1 8oz Clear; 2 8oz Amber; 3 8oz Amber; 1 Liter Amber 5020 w/ NaO3; 3 40 ml VOA w/ HCl

LOCATION IDENTIFIER	DATE	TIME	COMP/ GRAB	SAMPLE ID	MATRIX	TOTAL NO.# OF CONTAINERS	REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO.# (IRPIMS ONLY)
Offsite	5/22/13	1127	G	SS-1	SO	4	1305C002-007 Surface samples	N	0	0.5	
Offsite	5/22/13	1134	G	SS-2	SO	4	-008	N	0	0.5	
SB5	5/22/13	1145	G	SB5 (0-0.5)	SO	4	-009	N	0	0.5	
SB4	5/22/13	1150	G	SB4 (0-0.5)	SO	4	-010	N	0	0.5	
SB7	5/22/13	1155	G	SB7 (0-0.5)	SO	4	-011	N	0	0.5	
SB3	5/22/13	1200	G	SB3 (0-0.5)	SO	4	-012	N	0	0.5	
SB2	5/22/13	1205	G	SB2 (0-0.5)	SO	4	-013	N	0	0.5	
SB1	5/22/13	1210	G	SB1 (0-0.5)	SO	4	-014	N	0	0.5	
SB6	5/22/13	1315	G	SB6 (0-0.5)	SO	4	-015	N	0	0.5	
Railroad	5/22/13	1322	G	SS-3	SO	4	-016	N	0	0.5	
Central	5/22/13	1332	G	SS-4	SO	4	-017	N	0	0.5	
East	5/22/13	1345	G	SS-5	SO	4	-018	N	0	0.5	

MATRIX CODES: AA - AMBIENT AIR; SE - SEDIMENT; SH - HAZARDOUS SOLID WASTE; SL - SLUDGE; WP - DRINKING WATER; WW - WASTE WATER; WG - GROUND WATER; SO - SOIL; DC - DRILL CUTTINGS; WL - LEACHATE; GS - SOIL GAS; WC - DRILLING WATER; WO - OCEAN WATER; WS - SURFACE WATER; WQ - WATER FIELD QC; LH - HAZARDOUS LIQUID WASTE; LF - FLOATING/FREE PRODUCT ON GW TABLE

SAMPLE TYPE CODES: TB# - TRIP BLANK; SD# - MATRIX SPIKE DUPLICATE; RB# - RINSE BLANK; FR# - FIELD REPLICATE; N# - NORMAL ENVIRONMENTAL SAMPLE; MS# - MATRIX SPIKE; (# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
	5/22/13	1352		5/23/13	10:30
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME
	5/23/13	1030		5-23-13	10:30

SPECIAL INSTRUCTIONS: For questions, contact George Nisluh: 716-856-5636

Distribution: Original accompanies shipment, copy to coordinator field files

URSF-075C/1 OF 1/ColCR/GCM

URS153 A23

5.6 C

URS 153

CHAIN OF CUSTODY RECORD

URS

PROJECT NO. 11176892.00002 | SITE NAME Old Agnew

SAMPLERS (PRINT/SIGNATURE) Tim Bummer

LAB HZM

COOLER 3 of 5

PAGE 3 of 5

DELIVERY SERVICE: Fedex AIRBILL NO.:

TESTS

BOTTLE TYPE AND PRESERVATIVE

LOCATION IDENTIFIER	DATE	TIME	COMP/ GRAB	SAMPLE ID	MATRIX	TOTAL NO.# OF CONTAINERS	1L Amber	500ml NO3	40ml HCl	REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO.# (IRPIMS ONLY)
RB6	5/22/13	1545	G	RB-6	RB	9	6	1	2	Rinse Blank 1305CG2-019	RB	-	-	

MATRIX CODES	AA - AMBIENT AIR SE - SEDIMENT SH - HAZARDOUS SOLID WASTE	SL - SLUDGE WP - DRINKING WATER WW - WASTE WATER	WG - GROUND WATER SO - SOIL DC - DRILL CUTTINGS	WL - LEACHATE GS - SOIL GAS WC - DRILLING WATER	WO - OCEAN WATER WS - SURFACE WATER WQ - WATER FIELD QC	LH - HAZARDOUS LIQUID WASTE LF - FLOATING/FREE PRODUCT ON GW TABLE
SAMPLE TYPE CODES	TB# - TRIP BLANK SD# - MATRIX SPIKE DUPLICATE	RB# - RINSE BLANK FR# - FIELD REPLICATE	N# - NORMAL ENVIRONMENTAL SAMPLE MS# - MATRIX SPIKE	(# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)		

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
	5-22-13	1610		5-23-13	10:30
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME
	5/23/13	1032		5-23-13	10:30

SPECIAL INSTRUCTIONS

Distribution: Original accompanies shipment, copy to coordinator field files

URSF-075C/1 OF 1/CofCR/GCM

URS153 A24

H 2 M labs

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR VOLATILE ORGANICS
SAMPLES RECEIVED: 5/22/13 & 5/23/13
SDG #: URS153

For Sample(s):

MW-5 (6-8)	SB-7 (18-20)	SB-2 (0-0.5)
MW-6 (2-4)	SS-1	SB-1 (0-0.5)
RB-5	SS-2	SB-6 (0-0.5)
SB-7 (8-10)	SB-5 (0-0.5)	SS-3
SB-7 (10-12)	SB-4 (0-0.5)	SS-4
SB-7 (12-14)	SB-7 (0-0.5)	SS-5
SB-7 (14-16)	SB-3 (0-0.5)	RB-6
SB-7 (16-18)		

The above sample(s) and blank(s) was/were analyzed for a select list of volatile organic analytes by EPA method 8260B.

All Q. C. data and calibrations met the requirements of the method unless discussed below, and no problems were encountered with sample analysis. The following should be noted:

Sample SS-5 was analyzed as the matrix spike / matrix spike duplicate (MS/MSD). 27 out of 96 analytes had % recoveries outside of Q.C. limits. All RPDs were met. Lab fortified blanks were analyzed. All percent recoveries were within Q.C. limits except for a 77% recovery for tetrachloroethene in LFB052313 (lower limit 79%) and a 50% recovery for bromomethane in LFB053013 (lower limit 67%).

Linear responses with average RFs or linear or quadratic regression calibration were used as required.

In the continuing calibration verifications (CCVs), some compounds exceeded the variability criterion for 8260B of %D of 15%. These compounds are noted on Form VII. Results for these analytes are regarded estimated and are flagged with a "Z" qualifier in the LFB and if found in samples associated with that continuous calibration.

TICs identified as unknown siloxanes are suspected column / septa bleed and are flagged with an "X" qualifier if present in samples.

Samples were collected as bulk samples and may be biased low.

H 2 M labs

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: June 24, 2013

****
* *
* *
****
Joann M. Slavin
Senior Vice President

URS153 A4

3A

SYSTEM MONITORING SPIKE RECOVERY

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No.: URS SAS No.: SDG No.: URS153

Sample ID LFB052313 Level: (low/med) LOW

Column ID Rtx-624 Column Diam .18

Inst. ID HP5971 Init. Calib. Date(s): 05/15/13 21:44

Analysis Date: 05/23/13 20:26 05/16/13 0:15

trans-1,3-Dichloropropene	50	0	49	99	59-147
1,1,2-Trichloroethane	50	0	52	105	80-120
Tetrachloroethene	50	0	38	77*	79-128
2-Hexanone	50	0	56	112	76-119
Dibromochloromethane	50	0	47	94	45-161
1,2-Dibromoethane	50	0	47	95	75-120
Chlorobenzene	50	0	45	90	60-133
Ethylbenzene	50	0	44	87	58-149
Xylene (total)	150	0	140	91	60-140
Styrene	50	0	47	94	78-128
Bromoform	50	0	46	93	67-124
Isopropylbenzene	50	0	44	88	60-140
1,1,2,2-Tetrachloroethane	50	0	51	103	72-152
1,3-Dichlorobenzene	50	0	45	90	57-162
1,4-Dichlorobenzene	50	0	45	90	57-179
1,2-Dichlorobenzene	50	0	49	97	55-172
1,2-Dibromo-3-chloropropane	50	0	46	91	58-120
1,2,4-Trichlorobenzene	50	0	35	70	69-129

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 1 out of 48 outside limits

COMMENTS:

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS153

Lab File ID: A\A78737.D BFB Injection Date: 05/23/13

Instrument ID: HP5971 BFB Injection Time: 18:51

GC Column: Rtx-624 ID: .18 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.0
75	30.0 - 60.0% of mass 95	44.8
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.3 (0.4)1
174	Greater than 50.0% of mass 95	69.0
175	5.0 - 9.0% of mass 174	4.4 (6.3)1
176	95.0 - 101.0% of mass 174	66.5 (96.3)1
177	5.0 - 9.0% of mass 176	4.3 (6.5)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050	VSTD050	A\A78738.D	05/23/13	19:17
02	VBLK052313	VBLK052313	A\A78739.D	05/23/13	19:55
03	LFB052313	LFB052313	A\A78740.D	05/23/13	20:26
04	MW-5 (6-8)	1305B58-001A	A\A78751.D	05/24/13	1:59
05	SB-7 (12-14)	1305C62-003A	A\A78755.D	05/24/13	4:01
06	SB-7 (16-18)	1305C62-005A	A\A78756.D	05/24/13	4:31
07	SB-7 (18-20)	1305C62-006A	A\A78757.D	05/24/13	5:02
08	SS-1	1305C62-007A	A\A78758.D	05/24/13	5:32

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS153

Instrument ID: HP5971 Calibration Date: 05/23/13 Time: 19:17

Lab File ID: A\A78738.D Init. Calib. Date(s): 05/15/13 05/16/13

EPA Sample No.(VSTD050##): VSTD050 Init. Calib. Times: 21:44 0:15

Heated Purge: (Y/N) Y

GC Column: Rtx-624 ID: .18 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	3.772	2.527		-33.0	
Chloromethane	4.002	3.668	0.100	-8.4	
Vinyl chloride	3.770	3.264		-13.4	20.0
Bromomethane	1.278	1.465		14.6	
Chloroethane	2.288	2.006		-12.3	
Trichlorofluoromethane	3.685	3.070		-16.7	
1,1-Dichloroethene	2.655	2.217		-16.5	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	2.863	2.314		-19.2	
Acetone	0.571	0.499		-12.7	
Carbon disulfide	10.049	8.139		-19.0	
Methyl Acetate	1.824	1.684		-7.7	
Methylene chloride	3.622	3.044		-16.0	
trans-1,2-Dichloroethene	3.072	2.689		-12.5	
Methyl tert-butyl ether	6.141	6.222		1.3	
1,1-Dichloroethane	5.254	4.632	0.100	-11.8	
cis-1,2-Dichloroethene	3.188	2.833		-11.1	
2-Butanone	0.926	1.135		22.5	
Chloroform	4.878	4.376		-10.3	20.0
1,1,1-Trichloroethane	0.562	0.488		-13.2	
Cyclohexane	0.853	0.709		-16.9	
Carbon tetrachloride	0.482	0.397		-17.6	
Benzene	1.801	1.654		-8.2	
1,2-Dichloroethane	2.682	2.830		5.5	
Trichloroethene	0.477	0.411		-13.8	
Methylcyclohexane	0.781	0.650		-16.7	
1,2-Dichloropropane	0.452	0.451		-0.3	20.0
Bromodichloromethane	0.504	0.484		-4.0	
cis-1,3-Dichloropropene	0.642	0.642		0.0	
4-Methyl-2-pentanone	0.419	0.528		25.9	
Toluene	2.129	1.858		-12.7	20.0
trans-1,3-Dichloropropene	0.540	0.571		5.8	
1,1,2-Trichloroethane	0.310	0.331		6.9	
Tetrachloroethene	0.430	0.345		-19.8	
2-Hexanone	0.256	0.346		35.0	
Dibromochloromethane	0.333	0.331		-0.5	

All other compounds must meet a minimum RRF of 0.010.

URS153 V261

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS153

Lab File ID: A\A78782.D BFB Injection Date: 05/24/13

Instrument ID: HP5971 BFB Injection Time: 20:11

GC Column: Rtx-624 ID: .18 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.2
75	30.0 - 60.0% of mass 95	44.7
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	78.5
175	5.0 - 9.0% of mass 174	5.6 (7.2)1
176	95.0 - 101.0% of mass 174	74.9 (95.5)1
177	5.0 - 9.0% of mass 176	5.1 (6.9)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050	VSTD050	A\A78783.D	05/24/13	20:54
02	VBLK052413	VBLK052413	A\A78785.D	05/24/13	22:07
03	LFB052413	LFB052413	A\A78786.D	05/24/13	22:39
04	SS-2	1305C62-008A	A\A78788.D	05/24/13	23:40
05	SB-5 (0-0.5)	1305C62-009A	A\A78789.D	05/25/13	0:10
06	SB-4 (0-0.5)	1305C62-010A	A\A78790.D	05/25/13	0:41
07	SB-7 (0-0.5)	1305C62-011A	A\A78791.D	05/25/13	7:17
08	SB-3 (0-0.5)	1305C62-012A	A\A78792.D	05/25/13	8:04

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS153

Instrument ID: HP5971 Calibration Date: 05/24/13 Time: 20:54

Lab File ID: A\A78783.D Init. Calib. Date(s): 05/15/13 05/16/13

EPA Sample No.(VSTD050##): VSTD050 Init. Calib. Times: 21:44 0:15

Heated Purge: (Y/N) Y

GC Column: Rtx-624 ID: .18 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	3.772	2.985		-20.9	
Chloromethane	4.002	3.457	0.100	-13.6	
Vinyl chloride	3.770	3.145		-16.6	20.0
Bromomethane	1.278	1.094		-14.4	
Chloroethane	2.288	2.083		-9.0	
Trichlorofluoromethane	3.685	3.522		-4.4	
1,1-Dichloroethene	2.655	2.587		-2.5	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	2.863	2.668		-6.8	
Acetone	0.571	0.274		-52.0	
Carbon disulfide	10.049	9.532		-5.1	
Methyl Acetate	1.824	1.366		-25.1	
Methylene chloride	3.622	3.433		-5.2	
trans-1,2-Dichloroethene	3.072	3.133		2.0	
Methyl tert-butyl ether	6.141	5.608		-8.7	
1,1-Dichloroethane	5.254	5.183	0.100	-1.3	
cis-1,2-Dichloroethene	3.188	3.277		2.8	
2-Butanone	0.926	0.615		-33.6	
Chloroform	4.878	5.101		4.6	20.0
1,1,1-Trichloroethane	0.562	0.569		1.2	
Cyclohexane	0.853	0.759		-11.0	
Carbon tetrachloride	0.482	0.474		-1.6	
Benzene	1.801	1.778		-1.3	
1,2-Dichloroethane	2.682	2.654		-1.0	
Trichloroethene	0.477	0.494		3.6	
Methylcyclohexane	0.781	0.721		-7.6	
1,2-Dichloropropane	0.452	0.451		-0.3	20.0
Bromodichloromethane	0.504	0.526		4.3	
cis-1,3-Dichloropropene	0.642	0.669		4.2	
4-Methyl-2-pentanone	0.419	0.293		-30.1	
Toluene	2.129	2.266		6.4	20.0
trans-1,3-Dichloropropene	0.540	0.569		5.5	
1,1,2-Trichloroethane	0.310	0.316		2.1	
Tetrachloroethene	0.430	0.447		3.9	
2-Hexanone	0.256	0.192		-25.1	
Dibromochloromethane	0.333	0.368		10.6	

All other compounds must meet a minimum RRF of 0.010.

URS153 V267

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS153

Lab File ID: A\A78804.D BFB Injection Date: 05/28/13

Instrument ID: HP5971 BFB Injection Time: 16:46

GC Column: Rtx-624 ID: .18 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.5
75	30.0 - 60.0% of mass 95	43.5
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	75.2
175	5.0 - 9.0% of mass 174	5.2 (7.0)1
176	95.0 - 101.0% of mass 174	73.3 (97.4)1
177	5.0 - 9.0% of mass 176	4.8 (6.6)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050	VSTD050	A\A78805.D	05/28/13	18:09
02	VBLK052813	VBLK052813	A\A78806.D	05/28/13	18:45
03	LFB052813	LFB052813	A\A78807.D	05/28/13	19:15
04	SB-2 (0-0.5)	1305C62-013A	A\A78808.D	05/28/13	19:46
05	SB-1 (0-0.5)	1305C62-014A	A\A78809.D	05/28/13	20:16
06	SB-6 (0-0.5)	1305C62-015A	A\A78810.D	05/28/13	20:47
07	SS-3	1305C62-016A	A\A78811.D	05/28/13	21:17
08	SS-4	1305C62-017A	A\A78812.D	05/28/13	21:48
09	SS-5	1305C62-018A	A\A78813.D	05/28/13	22:18
10	SS-5MS	1305C62-018AMS	A\A78814.D	05/28/13	22:48
11	SS-5MSD	1305C62-018AMSD	A\A78815.D	05/28/13	23:19

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS153

Instrument ID: HP5971 Calibration Date: 05/28/13 Time: 18:09

Lab File ID: A\A78805.D Init. Calib. Date(s): 05/15/13 05/16/13

EPA Sample No.(VSTD050##): VSTD050 Init. Calib. Times: 21:44 0:15

Heated Purge: (Y/N) Y

GC Column: Rtx-624 ID: .18 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	3.772	3.309		-12.3	
Chloromethane	4.002	4.186	0.100	4.6	
Vinyl chloride	3.770	4.080		8.2	20.0
Bromomethane	1.278	1.738		36.0	
Chloroethane	2.288	2.549		11.4	
Trichlorofluoromethane	3.685	4.201		14.0	
1,1-Dichloroethene	2.655	2.760		4.0	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	2.863	2.983		4.2	
Acetone	0.571	0.478		-16.3	
Carbon disulfide	10.049	10.853		8.0	
Methyl Acetate	1.824	1.556		-14.7	
Methylene chloride	3.622	4.034		11.4	
trans-1,2-Dichloroethene	3.072	3.280		6.8	
Methyl tert-butyl ether	6.141	6.671		8.6	
1,1-Dichloroethane	5.254	5.614	0.100	6.9	
cis-1,2-Dichloroethene	3.188	3.552		11.4	
2-Butanone	0.926	0.997		7.6	
Chloroform	4.878	5.577		14.3	20.0
1,1,1-Trichloroethane	0.562	0.585		4.1	
Cyclohexane	0.853	0.849		-0.5	
Carbon tetrachloride	0.482	0.489		1.5	
Benzene	1.801	1.878		4.3	
1,2-Dichloroethane	2.682	3.068		14.4	
Trichloroethene	0.477	0.511		7.2	
Methylcyclohexane	0.781	0.804		3.0	
1,2-Dichloropropane	0.452	0.493		9.0	20.0
Bromodichloromethane	0.504	0.570		13.0	
cis-1,3-Dichloropropene	0.642	0.740		15.3	
4-Methyl-2-pentanone	0.419	0.410		-2.2	
Toluene	2.129	2.018		-5.2	20.0
trans-1,3-Dichloropropene	0.540	0.619		14.7	
1,1,2-Trichloroethane	0.310	0.350		13.0	
Tetrachloroethene	0.430	0.412		-4.2	
2-Hexanone	0.256	0.267		4.2	
Dibromochloromethane	0.333	0.395		18.8	

All other compounds must meet a minimum RRF of 0.010.

URS153 V273

7B

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS153

Instrument ID: HP5971 Calibration Date: 05/28/13 Time: 18:09

Lab File ID: A\A78805.D Init. Calib. Date(s): 05/15/13 05/16/13

EPA Sample No.(VSTD050##): VSTD050 Init. Calib. Times: 21:44 0:15

Heated Purge: (Y/N) Y

GC Column: Rtx-624 ID: .18 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
1,2-Dibromoethane	0.373	0.377		1.2	
Chlorobenzene	1.370	1.303	0.300	-4.9	
Ethylbenzene	0.706	0.697		-1.3	20.0
Xylene (total)	0.839	0.796		-5.2	
Styrene	1.248	1.220		-2.3	
Bromoform	0.180	0.226	0.100	25.7	
Isopropylbenzene	2.151	2.015		-6.3	
1,1,2,2-Tetrachloroethane	0.436	0.429	0.300	-1.6	
1,3-Dichlorobenzene	0.893	0.922		3.2	
1,4-Dichlorobenzene	0.914	0.928		1.5	
1,2-Dichlorobenzene	0.801	0.803		0.2	
1,2-Dibromo-3-chloropropane	0.050	0.046		-7.9	
1,2,4-Trichlorobenzene	0.257	0.246		-4.3	

All other compounds must meet a minimum RRF of 0.010.

URS153 V274

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS153

Lab File ID: 3\J10656.D BFB Injection Date: 05/30/13

Instrument ID: HP5973-3 BFB Injection Time: 10:47

GC Column: Rtx-624 ID: .18 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.0
75	30.0 - 60.0% of mass 95	48.8
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.4 (0.6)1
174	Greater than 50.0% of mass 95	70.5
175	5.0 - 9.0% of mass 174	4.9 (7.0)1
176	95.0 - 101.0% of mass 174	68.1 (96.6)1
177	5.0 - 9.0% of mass 176	4.4 (6.5)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050	VSTD050	3\J10657.D	05/30/13	11:21
02	VBLK053013	VBLK053013	3\J10659.D	05/30/13	12:17
03	LFB053013	LFB053013	3\J10660.D	05/30/13	12:45
04	RB-5	1305B58-003A	3\J10671.D	05/30/13	17:55
05	RB-6	1305C62-019A	3\J10672.D	05/30/13	18:23

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS153

Instrument ID: HP5973-3 Calibration Date: 05/30/13 Time: 11:21

Lab File ID: 3\J10657.D Init. Calib. Date(s): 01/22/13 01/22/13

EPA Sample No.(VSTD050##): VSTD050 Init. Calib. Times: 13:06 16:27

Heated Purge: (Y/N) N

GC Column: Rtx-624 ID: .18 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	2.470	2.119		-14.2	
Chloromethane	2.324	2.405	0.100	3.5	
Vinyl chloride	2.792	2.616		-6.3	20.0
Bromomethane	1.424	1.041		-26.9	
Chloroethane	1.716	1.544		-10.0	
Trichlorofluoromethane	3.601	2.732		-24.1	
1,1-Dichloroethene	1.770	2.077		17.3	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.910	2.157		12.9	
Acetone	0.372	0.450		20.9	
Carbon disulfide	5.298	6.953		31.2	
Methyl Acetate	1.065	1.206		13.2	
Methylene chloride	2.178	2.486		14.1	
trans-1,2-Dichloroethene	1.982	2.363		19.2	
Methyl tert-butyl ether	5.514	6.208		12.6	
1,1-Dichloroethane	3.580	4.322	0.100	20.7	
cis-1,2-Dichloroethene	2.145	2.549		18.9	
2-Butanone	0.568	0.690		21.6	
Chloroform	3.589	4.050		12.9	20.0
1,1,1-Trichloroethane	0.458	0.485		5.9	
Cyclohexane	0.528	0.629		19.2	
Carbon tetrachloride	0.357	0.411		15.0	
Benzene	1.313	1.418		8.0	
1,2-Dichloroethane	2.808	3.029		7.9	
Trichloroethene	0.318	0.326		2.7	
Methylcyclohexane	0.600	0.690		15.0	
1,2-Dichloropropane	0.320	0.356		11.1	20.0
Bromodichloromethane	0.372	0.423		13.9	
cis-1,3-Dichloropropene	0.462	0.552		19.5	
4-Methyl-2-pentanone	0.224	0.231		3.2	
Toluene	0.896	0.928		3.5	20.0
trans-1,3-Dichloropropene	0.435	0.500		15.0	
1,1,2-Trichloroethane	0.273	0.274		0.3	
Tetrachloroethene	0.273	0.269		-1.6	
2-Hexanone	0.134	0.147		9.6	
Dibromochloromethane	0.238	0.280		17.6	

All other compounds must meet a minimum RRF of 0.010.

URS153 V279

7B

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS153

Instrument ID: HP5973-3 Calibration Date: 05/30/13 Time: 11:21

Lab File ID: 3\J10657.D Init. Calib. Date(s): 01/22/13 01/22/13

EPA Sample No.(VSTD050##): VSTD050 Init. Calib. Times: 13:06 16:27

Heated Purge: (Y/N) N

GC Column: Rtx-624 ID: .18 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
1,2-Dibromoethane	0.288	0.276		-4.2	
Chlorobenzene	0.973	0.966	0.300	-0.7	
Ethylbenzene	0.534	0.547		2.4	20.0
Xylene (total)	0.645	0.646		0.2	
Styrene	0.985	1.080		9.7	
Bromoform	0.128	0.149	0.100	16.0	
Isopropylbenzene	1.648	1.700		3.1	
1,1,2,2-Tetrachloroethane	0.324	0.329	0.300	1.6	
1,3-Dichlorobenzene	0.715	0.685		-4.3	
1,4-Dichlorobenzene	0.746	0.709		-4.9	
1,2-Dichlorobenzene	0.689	0.634		-7.9	
1,2-Dibromo-3-chloropropane	0.046	0.043		-7.0	
1,2,4-Trichlorobenzene	0.404	0.329		-18.6	

All other compounds must meet a minimum RRF of 0.010.

URS153 V280

H2M labs
575 Broad Hollow Road
Melville, NY 11747
tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR SEMIVOLATILE ORGANICS
SAMPLES RECEIVED: 5/22/13 & 5/23/13
SDG #: URS153

For Sample(s):

MW-5 (6-8)	SB-7 (18-20)	SB-1 (0-0.5)
MW-6 (2-4)	SS-1	SB-6 (0-0.5)
RB-5	SS-2	SS-3
SB-7 (8-10)	SB-5 (0-0.5)	SS-4
SB-7 (10-12)	SB-4 (0-0.5)	SS-5
SB-7 (12-14)	SB-7 (0-0.5)	RB-6
SB-7 (14-16)	SB-3 (0-0.5)	
SB-7 (16-18)	SB-2 (0-0.5)	

The above sample(s) and blank(s) was/were analyzed for a select list of base/neutral/acid extractables by EPA method 8270C.

All Q. C. data and calibrations met the requirements of the method unless discussed below, and no problems were encountered with sample analysis. The following should be noted:

All soil extracts were subjected to GPC cleanup.

Sample SS-1 was analyzed as the matrix spike/matrix spike duplicate. 11 analytes out of 130 had percent recoveries outside Q.C. limits. 6 out of 65 RPDs were outside Q.C. limits.

Sample SS-1 was reanalyzed at a dilution due to concentration levels of targeted analytes above the calibration range. Both sets of data are submitted. Lab fortified blanks were analyzed.

The surrogate standard 2-fluorophenol had low surrogate recoveries in samples SS-4 and SS-5.

All CCC and SPCC calibration requirements were met. In the initial calibrations, average response factors were employed as applicable, and linear or quadratic regression functions were used for RSDs above 15%. No acceptable functions were found for benzaldehyde, acetophenone and atrazine. Linear calibration was used for these analytes, and results are regarded estimated and are flagged for the LFB with the qualifier "Z". The compounds were not found in the samples.

In the continuing calibration verifications (CCV) some compounds had %Ds above 15%. These compounds are noted on Form VII. Results for these analytes are flagged with a "Z" qualifier in the LFB and if found in the samples, indicating that they are regarded estimated.

H2M labs

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR SEMIVOLATILE ORGANICS
SAMPLES RECEIVED: 5/22/13 & 5/23/13
SDG #: URS153

Some method blanks contain bis(2-ethylhexyl)phthalate below reporting limit and several unidentified TICs at low levels. All analytes found in the blanks were flagged with the qualifier "B" in the associated samples.

TICs identified as siloxanes are suspected to be column bleed from the analytical column and were flagged with the qualifier "X".

TICs identified as alkanes are listed on the TIC form I however are not included in the number of TICs reported.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: July 9, 2013
Date Revised: September 23, 2013

****
* Joann M Slavin *
********** NRC

Joann M. Slavin
Senior Vice President

URS153 A6 Revised CLG Sep-23-13

4B

EPA SAMPLE NO.

SEMIVOLATILE METHOD BLANK SUMMARY

MB-39931

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS153

Lab File ID: 3\N58470.D Lab Sample ID: MB-39931

Instrument ID: HP5973N Date Extracted: 05/30/13

Matrix: (soil/water) SOIL Date Analyzed: 06/05/13

Level: (low/med) LOW Time Analyzed: 20:11

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
1	MW-5 (6-8)	1305B58-001B	3\N58485.D	6/6/2013
2	MW-6 (2-4)	1305B58-002B	3\N58486.D	6/6/2013
3	SB-7 (8-10)	1305C62-001B	3\N58487.D	6/6/2013
4	SB-7 (10-12)	1305C62-002B	3\N58488.D	6/6/2013
5	SB-7 (12-14)	1305C62-003B	3\N58489.D	6/6/2013
6	SB-7 (14-16)	1305C62-004B	3\N58490.D	6/6/2013
7	SB-7 (16-18)	1305C62-005B	3\N58491.D	6/6/2013
8	SB-7 (18-20)	1305C62-006B	3\N58492.D	6/6/2013
9	SS-1	1305C62-007B	3\N58551.D	6/7/2013
10	SS-1MS	1305C62-007BMS	3\N58552.D	6/7/2013
11	SS-1MSD	1305C62-007BMSD	3\N58553.D	6/7/2013
12	SS-2	1305C62-008B	3\N58554.D	6/7/2013
13	SB-5 (0-0.5)	1305C62-009B	3\N58555.D	6/7/2013
14	SB-1 (0-0.5)	1305C62-014B	3\N58560.D	6/8/2013
15	LFB-39931	LFB-39931	3\N58643.D	6/12/2013
16	SS-1DL	1305C62-007BDL	3\N58644.D	6/12/2013
17	SS-3	1305C62-016B	3\N58645.D	6/12/2013
18	SS-5	1305C62-018B	3\N58646.D	6/12/2013
19	SB-2 (0-0.5)	1305C62-013B	3\N58647.D	6/12/2013
20	SS-4	1305C62-017B	3\N58648.D	6/12/2013
21	SB-3 (0-0.5)	1305C62-012B	3\N58649.D	6/12/2013
22	SB-7 (0-0.5)	1305C62-011B	3\N58650.D	6/12/2013
23	SB-6 (0-0.5)	1305C62-015B	3\N58651.D	6/12/2013
24	SB-4 (0-0.5)	1305C62-010B	3\N58652.D	6/12/2013

COMMENTS: _____

1G

EPA SAMPLE NO.

MB-39931

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS153

Matrix: (soil/water) SOIL Lab Sample ID: MB-39931

Sample wt/vol: 15 (g/mL) g Lab File ID: 3\N58470.D

Level: (low/med) LOW Date Received:

% Moisture: Decanted:(Y/N) N Date Extracted: 05/30/13

Concentrated Extract Volume: 500 (µl) Date Analyzed: 06/05/13

Injection Volume: 2 (µl) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: Extraction: (Type) PFEX

CONCENTRATION UNITS:

Number TICs found: 6 (µg/L or µg/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	141-79-7	3-Penten-2-one, 4-methyl-	3.56	570	AJN
2.	4161-60-8	2-Pentanone, 4-hydroxy-	3.80	1700	AJN
3.	123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.98	74000	AJN
4.		unknown (4.42)	4.42	850	J
5.		unknown (6.92)	6.92	140	J
6.		unknown (18.13)	18.13	210	J

URS153 B814

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS153

Lab File ID: 3\N58429.D DFTPP Injection Date: 06/04/13

Instrument ID: HP5973N DFTPP Injection Time: 11:21

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	34.7
68	Less than 2% of mass 69	0.2 (0.5)1
69	Mass 69 relative abundance	43.4
70	Less than 2% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	51.1
197	Less than 1% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5.0 - 9.0% of mass 198	7.0
275	10.0 - 30.0% of mass 198	21.0
365	Greater than 1% of mass 198	2.2
441	Present, but less than mass 443	18.3
442	40.0 - 110.0% of mass 198	95.8
443	17.0 - 23.0% of mass 442	18.7 (19.5)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD025	SSTD025	3\N58430.D	06/04/13	11:41
02	MB-39871	MB-39871	3\N58431.D	06/04/13	12:11
03	LFB-39871	LFB-39871	3\N58432.D	06/04/13	12:42
04	RB-6	1305C62-019B	3\N58433.D	06/04/13	13:12

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS153

Instrument ID: HP5973N Calibration Date: 6/4/2013 Time: 11:41

Lab File ID: 3\N58430.D Init. Calib. Date(s): 05/10/13 05/10/13

EPA Sample No.(SSTD050##): SSTD025 Init. Calib. Times: 10:26 14:18

GC Column: Rxi-5SILMS ID: 0.25 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Benzaldehyde	0.917	0.372		-59.4	
Phenol	2.202	2.188		-0.7	20.0
Bis(2-chloroethyl)ether	1.782	1.565		-12.2	
2-Chlorophenol	1.557	1.448		-7.0	
2-Methylphenol	1.403	1.276		-9.1	
2,2'-oxybis(1-chloropropane)	2.507	1.907		-23.9	
Acetophenone	2.942	2.076		-29.4	
4-Methylphenol	1.563	1.400		-10.4	
N-Nitroso-di-n-propylamine	1.223	1.017	0.050	-16.8	
Hexachloroethane	0.693	0.630		-9.1	
Nitrobenzene	0.447	0.388		-13.2	
Isophorone	0.781	0.708		-9.3	
2-Nitrophenol	0.201	0.215		7.2	20.0
2,4-Dimethylphenol	0.369	0.357		-3.1	
Bis(2-chloroethoxy)methane	0.493	0.467		-5.2	
2,4-Dichlorophenol	0.267	0.297		11.1	20.0
Naphthalene	1.120	1.121		0.1	
4-Chloroaniline	0.443	0.462		4.4	
Hexachlorobutadiene	0.170	0.174		2.1	20.0
Caprolactam	0.113	0.117		3.9	
4-Chloro-3-methylphenol	0.289	0.283		-2.1	20.0
2-Methylnaphthalene	0.715	0.739		3.3	
Hexachlorocyclopentadiene	0.314	0.220	0.050	-30.0	
2,4,6-Trichlorophenol	0.335	0.343		2.4	20.0
2,4,5-Trichlorophenol	0.318	0.341		7.2	
1,1'-Biphenyl	1.529	1.618		5.8	
2-Chloronaphthalene	1.220	1.287		5.5	
2-Nitroaniline	0.360	0.306		-14.9	
Dimethylphthalate	1.223	1.228		0.4	
2,6-Dinitrotoluene	0.291	0.300		3.0	
Acenaphthylene	1.892	1.922		1.6	
3-Nitroaniline	0.296	0.334		12.8	
Acenaphthene	1.243	1.262		1.5	20.0
2,4-Dinitrophenol	0.132	0.137	0.050	4.1	
4-Nitrophenol	0.121	0.116	0.050	-4.2	
Dibenzofuran	1.582	1.612		1.9	
2,4-Dinitrotoluene	0.369	0.379		2.8	
Diethylphthalate	1.231	1.179		-4.2	

All other compounds must meet a minimum RRF of 0.010.

URS153 B743

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS153

Lab File ID: 3\N58291.D DFTPP Injection Date: 05/29/13

Instrument ID: HP5973N DFTPP Injection Time: 14:13

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	30.1
68	Less than 2% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	39.5
70	Less than 2% of mass 69	0.1 (0.2)1
127	40.0 - 60.0% of mass 198	48.6
197	Less than 1% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5.0 - 9.0% of mass 198	6.7
275	10.0 - 30.0% of mass 198	22.4
365	Greater than 1% of mass 198	2.4
441	Present, but less than mass 443	19.6
442	40.0 - 110.0% of mass 198	108.7
443	17.0 - 23.0% of mass 442	20.3 (18.7)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD025	SSTD025	3\N58292.D	05/29/13	14:33
02	MB-39852	MB-39852	3\N58297.D	05/29/13	17:06
03	LFB-39852	LFB-39852	3\N58298.D	05/29/13	17:37
04	RB-5	1305B58-003B	3\N58299.D	05/29/13	18:07

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS153

Instrument ID: HP5973N Calibration Date: 5/29/201 Time: 14:33

Lab File ID: 3\N58292.D Init. Calib. Date(s): 05/10/13 05/10/13

EPA Sample No.(SSTD050##): SSTD025 Init. Calib. Times: 10:26 14:18

GC Column: Rxi-5SILMS ID: 0.25 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Benzaldehyde	0.917	0.457		-50.2	
Phenol	2.202	2.262		2.7	20.0
Bis(2-chloroethyl)ether	1.782	1.688		-5.3	
2-Chlorophenol	1.557	1.582		1.6	
2-Methylphenol	1.403	1.406		0.2	
2,2'-oxybis(1-chloropropane)	2.507	2.035		-18.8	
Acetophenone	2.942	2.153		-26.8	
4-Methylphenol	1.563	1.575		0.8	
N-Nitroso-di-n-propylamine	1.223	1.098	0.050	-10.2	
Hexachloroethane	0.693	0.653		-5.8	
Nitrobenzene	0.447	0.386		-13.7	
Isophorone	0.781	0.717		-8.2	
2-Nitrophenol	0.201	0.211		5.2	20.0
2,4-Dimethylphenol	0.369	0.358		-2.9	
Bis(2-chloroethoxy)methane	0.493	0.480		-2.6	
2,4-Dichlorophenol	0.267	0.299		11.9	20.0
Naphthalene	1.120	1.126		0.6	
4-Chloroaniline	0.443	0.469		5.9	
Hexachlorobutadiene	0.170	0.173		1.5	20.0
Caprolactam	0.113	0.123		9.2	
4-Chloro-3-methylphenol	0.289	0.296		2.4	20.0
2-Methylnaphthalene	0.715	0.736		2.9	
Hexachlorocyclopentadiene	0.314	0.237	0.050	-24.6	
2,4,6-Trichlorophenol	0.335	0.362		8.1	20.0
2,4,5-Trichlorophenol	0.318	0.353		11.0	
1,1'-Biphenyl	1.529	1.620		6.0	
2-Chloronaphthalene	1.220	1.273		4.4	
2-Nitroaniline	0.360	0.311		-13.5	
Dimethylphthalate	1.223	1.259		3.0	
2,6-Dinitrotoluene	0.291	0.307		5.4	
Acenaphthylene	1.892	1.937		2.4	
3-Nitroaniline	0.296	0.336		13.4	
Acenaphthene	1.243	1.259		1.3	20.0
2,4-Dinitrophenol	0.132	0.135	0.050	2.6	
4-Nitrophenol	0.121	0.116	0.050	-4.2	
Dibenzofuran	1.582	1.657		4.8	
2,4-Dinitrotoluene	0.369	0.391		6.1	
Diethylphthalate	1.231	1.238		0.5	

All other compounds must meet a minimum RRF of 0.010.

URS153 B735

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS153

Lab File ID: 3\N58468.D DFTPP Injection Date: 06/05/13

Instrument ID: HP5973N DFTPP Injection Time: 19:21

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	33.3
68	Less than 2% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	43.3
70	Less than 2% of mass 69	0.3 (0.6)1
127	40.0 - 60.0% of mass 198	52.0
197	Less than 1% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5.0 - 9.0% of mass 198	6.7
275	10.0 - 30.0% of mass 198	22.0
365	Greater than 1% of mass 198	2.3
441	Present, but less than mass 443	17.7
442	40.0 - 110.0% of mass 198	94.9
443	17.0 - 23.0% of mass 442	18.3 (19.2)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD025	SSTD025	3\N58469.D	06/06/13	19:41
02	MB-39931	MB-39931	3\N58470.D	06/06/13	20:11
03	MW-5 (6-8)	1305B58-001B	3\N58485.D	06/06/13	3:45
04	MW-6 (2-4)	1305B58-002B	3\N58486.D	06/06/13	4:15
05	SB-7 (8-10)	1305C62-001B	3\N58487.D	06/06/13	4:45
06	SB-7 (10-12)	1305C62-002B	3\N58488.D	06/06/13	5:15
07	SB-7 (12-14)	1305C62-003B	3\N58489.D	06/06/13	5:46
08	SB-7 (14-16)	1305C62-004B	3\N58490.D	06/06/13	6:16
09	SB-7 (16-18)	1305C62-005B	3\N58491.D	06/06/13	6:46
10	SB-7 (18-20)	1305C62-006B	3\N58492.D	06/06/13	7:16

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS153

Instrument ID: HP5973N Calibration Date: 6/5/2013 Time: 19:41

Lab File ID: 3\N58469.D Init. Calib. Date(s): 05/10/13 05/10/13

EPA Sample No.(SSTD050##): SSTD025 Init. Calib. Times: 10:26 14:18

GC Column: Rxi-5SILMS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Benzaldehyde	0.917	0.361		-60.6	
Phenol	2.202	2.209		0.3	20.0
Bis(2-chloroethyl)ether	1.782	1.566		-12.1	
2-Chlorophenol	1.557	1.534		-1.5	
2-Methylphenol	1.403	1.414		0.7	
2,2'-oxybis(1-chloropropane)	2.507	1.850		-26.2	
Acetophenone	2.942	2.089		-29.0	
4-Methylphenol	1.563	1.601		2.4	
N-Nitroso-di-n-propylamine	1.223	1.021	0.050	-16.5	
Hexachloroethane	0.693	0.649		-6.3	
Nitrobenzene	0.447	0.381		-14.8	
Isophorone	0.781	0.701		-10.2	
2-Nitrophenol	0.201	0.215		7.2	20.0
2,4-Dimethylphenol	0.369	0.340		-7.7	
Bis(2-chloroethoxy)methane	0.493	0.463		-6.0	
2,4-Dichlorophenol	0.267	0.298		11.5	20.0
Naphthalene	1.120	1.109		-1.0	
4-Chloroaniline	0.443	0.465		5.0	
Hexachlorobutadiene	0.170	0.174		2.1	20.0
Caprolactam	0.113	0.115		2.1	
4-Chloro-3-methylphenol	0.289	0.290		0.3	20.0
2-Methylnaphthalene	0.715	0.740		3.5	
Hexachlorocyclopentadiene	0.314	0.213	0.050	-32.2	
2,4,6-Trichlorophenol	0.335	0.356		6.3	20.0
2,4,5-Trichlorophenol	0.318	0.378		18.8	
1,1'-Biphenyl	1.529	1.623		6.2	
2-Chloronaphthalene	1.220	1.260		3.3	
2-Nitroaniline	0.360	0.309		-14.1	
Dimethylphthalate	1.223	1.245		1.8	
2,6-Dinitrotoluene	0.291	0.309		6.1	
Acenaphthylene	1.892	1.941		2.6	
3-Nitroaniline	0.296	0.348		17.5	
Acenaphthene	1.243	1.259		1.3	20.0
2,4-Dinitrophenol	0.132	0.120	0.050	-8.8	
4-Nitrophenol	0.121	0.120	0.050	-0.9	
Dibenzofuran	1.582	1.645		4.0	
2,4-Dinitrotoluene	0.369	0.392		6.3	
Diethylphthalate	1.231	1.230		-0.1	

All other compounds must meet a minimum RRF of 0.010.

URS153 B751

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS153

Lab File ID: 3\N58541.D DFTPP Injection Date: 06/07/13

Instrument ID: HP5973N DFTPP Injection Time: 16:39

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	32.9
68	Less than 2% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	43.2
70	Less than 2% of mass 69	0.1 (0.2)1
127	40.0 - 60.0% of mass 198	50.4
197	Less than 1% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5.0 - 9.0% of mass 198	7.0
275	10.0 - 30.0% of mass 198	22.8
365	Greater than 1% of mass 198	2.4
441	Present, but less than mass 443	17.0
442	40.0 - 110.0% of mass 198	93.2
443	17.0 - 23.0% of mass 442	18.6 (19.9)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD025	SSTD025	3\N58542.D	06/07/13	16:59
02	SS-1	1305C62-007B	3\N58551.D	06/07/13	21:42
03	SS-1MS	1305C62-007BMS	3\N58552.D	06/07/13	22:13
04	SS-1MSD	1305C62-007BMSD	3\N58553.D	06/07/13	22:44
05	SS-2	1305C62-008B	3\N58554.D	06/07/13	23:15
06	SB-5 (0-0.5)	1305C62-009B	3\N58555.D	06/07/13	23:46
07	SB-1 (0-0.5)	1305C62-014B	3\N58560.D	06/08/13	2:22

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS153

Instrument ID: HP5973N Calibration Date: 6/7/2013 Time: 16:59

Lab File ID: 3\N58542.D Init. Calib. Date(s): 05/10/13 05/10/13

EPA Sample No.(SSTD050##): SSTD025 Init. Calib. Times: 10:26 14:18

GC Column: Rxi-5SILMS ID: 0.25 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Benzaldehyde	0.917	0.329		-64.1	
Phenol	2.202	2.187		-0.7	20.0
Bis(2-chloroethyl)ether	1.782	1.561		-12.4	
2-Chlorophenol	1.557	1.526		-2.0	
2-Methylphenol	1.403	1.625		15.8	
2,2'-oxybis(1-chloropropane)	2.507	1.825		-27.2	
Acetophenone	2.942	2.079		-29.3	
4-Methylphenol	1.563	1.634		4.5	
N-Nitroso-di-n-propylamine	1.223	0.993	0.050	-18.8	
Hexachloroethane	0.693	0.641		-7.5	
Nitrobenzene	0.447	0.384		-14.1	
Isophorone	0.781	0.701		-10.2	
2-Nitrophenol	0.201	0.212		5.7	20.0
2,4-Dimethylphenol	0.369	0.367		-0.4	
Bis(2-chloroethoxy)methane	0.493	0.462		-6.2	
2,4-Dichlorophenol	0.267	0.302		13.0	20.0
Naphthalene	1.120	1.113		-0.6	
4-Chloroaniline	0.443	0.470		6.2	
Hexachlorobutadiene	0.170	0.176		3.3	20.0
Caprolactam	0.113	0.118		4.8	
4-Chloro-3-methylphenol	0.289	0.296		2.4	20.0
2-Methylnaphthalene	0.715	0.735		2.8	
Hexachlorocyclopentadiene	0.314	0.215	0.050	-31.6	
2,4,6-Trichlorophenol	0.335	0.367		9.6	20.0
2,4,5-Trichlorophenol	0.318	0.374		17.6	
1,1'-Biphenyl	1.529	1.616		5.7	
2-Chloronaphthalene	1.220	1.249		2.4	
2-Nitroaniline	0.360	0.306		-14.9	
Dimethylphthalate	1.223	1.248		2.1	
2,6-Dinitrotoluene	0.291	0.306		5.1	
Acenaphthylene	1.892	1.914		1.2	
3-Nitroaniline	0.296	0.346		16.8	
Acenaphthene	1.243	1.273		2.4	20.0
2,4-Dinitrophenol	0.132	0.154	0.050	17.0	
4-Nitrophenol	0.121	0.128	0.050	5.7	
Dibenzofuran	1.582	1.622		2.6	
2,4-Dinitrotoluene	0.369	0.392		6.3	
Diethylphthalate	1.231	1.229		-0.2	

All other compounds must meet a minimum RRF of 0.010.

URS153 B759

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS153

Lab File ID: 3\N58631.D DFTPP Injection Date: 06/12/13

Instrument ID: HP5973N DFTPP Injection Time: 9:59

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	32.8
68	Less than 2% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	43.1
70	Less than 2% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	51.5
197	Less than 1% of mass 198	0.4
198	Base peak, 100% relative abundance	100.0
199	5.0 - 9.0% of mass 198	7.1
275	10.0 - 30.0% of mass 198	22.2
365	Greater than 1% of mass 198	2.1
441	Present, but less than mass 443	18.0
442	40.0 - 110.0% of mass 198	93.1
443	17.0 - 23.0% of mass 442	19.7 (21.2)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD025	SSTD025	\N58632R.D	06/12/13	10:18
02	LFB-39931	LFB-39931	3\N58643.D	06/12/13	15:56
03	SS-1DL	1305C62-007BDL	3\N58644.D	06/12/13	16:26
04	SS-3	1305C62-016B	3\N58645.D	06/12/13	16:56
05	SS-5	1305C62-018B	3\N58646.D	06/12/13	17:27
06	SB-2 (0-0.5)	1305C62-013B	3\N58647.D	06/12/13	17:57
07	SS-4	1305C62-017B	3\N58648.D	06/12/13	18:28
08	SB-3 (0-0.5)	1305C62-012B	3\N58649.D	06/12/13	18:59
09	SB-7 (0-0.5)	1305C62-011B	3\N58650.D	06/12/13	19:30
10	SB-6 (0-0.5)	1305C62-015B	3\N58651.D	06/12/13	20:01
11	SB-4 (0-0.5)	1305C62-010B	3\N58652.D	06/12/13	20:32

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS153

Instrument ID: HP5973N Calibration Date: 6/12/201 Time: 10:18

Lab File ID: \N58632R.D Init. Calib. Date(s): 05/10/13 05/10/13

EPA Sample No.(SSTD050##): SSTD025 Init. Calib. Times: 10:26 14:18

GC Column: Rxi-5SILMS ID: 0.25 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Benzaldehyde	0.917	0.340		-62.9	
Phenol	2.202	2.095		-4.9	20.0
Bis(2-chloroethyl)ether	1.782	1.521		-14.7	
2-Chlorophenol	1.557	1.513		-2.8	
2-Methylphenol	1.403	1.359		-3.2	
2,2'-oxybis(1-chloropropane)	2.507	1.721		-31.4	
Acetophenone	2.942	2.059		-30.0	
4-Methylphenol	1.563	1.492		-4.6	
N-Nitroso-di-n-propylamine	1.223	0.953	0.050	-22.1	
Hexachloroethane	0.693	0.637		-8.1	
Nitrobenzene	0.447	0.371		-17.0	
Isophorone	0.781	0.687		-12.0	
2-Nitrophenol	0.201	0.213		6.2	20.0
2,4-Dimethylphenol	0.369	0.361		-2.0	
Bis(2-chloroethoxy)methane	0.493	0.444		-9.9	
2,4-Dichlorophenol	0.267	0.303		13.4	20.0
Naphthalene	1.120	1.121		0.1	
4-Chloroaniline	0.443	0.451		1.9	
Hexachlorobutadiene	0.170	0.179		5.1	20.0
Caprolactam	0.113	0.112		-0.5	
4-Chloro-3-methylphenol	0.289	0.291		0.6	20.0
2-Methylnaphthalene	0.715	0.723		1.1	
Hexachlorocyclopentadiene	0.314	0.179	0.050	-43.0	
2,4,6-Trichlorophenol	0.335	0.377		12.5	20.0
2,4,5-Trichlorophenol	0.318	0.374		17.6	
1,1'-Biphenyl	1.529	1.627		6.4	
2-Chloronaphthalene	1.220	1.215		-0.4	
2-Nitroaniline	0.360	0.291		-19.1	
Dimethylphthalate	1.223	1.245		1.8	
2,6-Dinitrotoluene	0.291	0.298		2.4	
Acenaphthylene	1.892	1.907		0.8	
3-Nitroaniline	0.296	0.334		12.8	
Acenaphthene	1.243	1.239		-0.3	20.0
2,4-Dinitrophenol	0.132	0.138	0.050	4.9	
4-Nitrophenol	0.121	0.126	0.050	4.0	
Dibenzofuran	1.582	1.617		2.2	
2,4-Dinitrotoluene	0.369	0.384		4.2	
Diethylphthalate	1.231	1.199		-2.6	

All other compounds must meet a minimum RRF of 0.010.

URS153 B767

H2M labs

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR ORGANOPHOSPHOROUS PESTICIDES
SAMPLES RECEIVED: 5/18/13 & 5/23/13
SDG #: URS153

For Sample(s):

MW-5 (6-8)	SB-7 (18-20)	SB-2 (0-0.5)
MW-6 (2-4)	SS-1	SB-1 (0-0.5)
RB-5	SS-2	SB-6 (0-0.5)
SB-7 (8-10)	SB-5 (0-0.5)	SS-3
SB-7 (10-12)	SB-4 (0-0.5)	SS-4
SB-7 (12-14)	SB-7 (0-0.5)	SS-5
SB-7 (14-16)	SB-3 (0-0.5)	RB-6
SB-7 (16-18)		

The above sample(s) was/were analyzed for organophosphorous pesticides by EPA method 8141.

All Q. C. data and calibrations met the requirements of the method unless discussed below, and no problems were encountered with sample analysis. The following should be noted:

Sample SB-7 (2-4) was analyzed as the matrix spike/matrix spike duplicate. All percent recoveries and RPDs were met. Lab fortified blanks were analyzed and indicate good method efficiency.

Positives were confirmed by reanalysis on a dissimilar analytical column.

Linear calibration was used for all analytes. In order to achieve liner response, the concentration range for dimethoate and famphur was reduced and the fifth level was not included. Samples above the highest calibration would have been diluted.

In the continuing calibration verifications (CCV), some compounds exceeded the variability criterion of a percent difference of 15%. (Famphur and methidathion in CCV US11906 and dimethoate in US11907 had high responses.) Results for these analytes would be regarded estimated in the affected analyses, however none of the compounds were found in the samples.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: June 18, 2013
Date Revised: September 23, 2013

****
* Middel *
****

Ursula Middel
Technical Manager

URS153 A7 Revised CLG Sep-23-13

H2M labs

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR PESTICIDES/PCBS ANALYSIS
SAMPLES RECEIVED: 5/22/13 & 5/23/13
SDG #: URS153

For Sample(s):

MW-5 (6-8)	SB-7 (18-20)	SB-2 (0-0.5)
MW-6 (2-4)	SS-1	SB-1 (0-0.5)
RB-5	SS-2	SB-6 (0-0.5)
SB-7 (8-10)	SB-5 (0-0.5)	SS-3
SB-7 (10-12)	SB-4 (0-0.5)	SS-4
SB-7 (12-14)	SB-7 (0-0.5)	SS-5
SB-7 (14-16)	SB-3 (0-0.5)	RB-6
SB-7 (16-18)		

The above soil sample(s) and blank(s) was/were analyzed for pesticides and aroclors by methods 8081A and 8082 in accordance with the NYSDEC ASP, Rev. 7/2005 and reported with the requested deliverables.

All Q. C. data and calibrations met the requirements of the protocol, unless discussed below. No problems were encountered with sample analysis. The following should be noted:

The soil extracts were subjected to GPC cleanup. The final concentrates of all extracts were split and analyzed separately for pesticides and PCBs. The aliquots for aroclor analysis were cleaned up with sulfuric acid and TBA for sulfur removal. These aliquots for aroclors analysis are reported with an "A" suffix.

No sample was submitted for matrix spike/ matrix spike duplicate (MS/MSD). Lab fortified blanks (LFB) for the single peak pesticides mix, aroclors and toxaphene were analyzed, and recoveries indicate good method efficiency. In the water LFB-39844, recovery for endrin was above the Q. C. limit. No positive sample data are affected.

Samples RB-5 and RB-6 had low recoveries for the surrogate DCB in the pesticides and PCB fractions. The samples were re-extracted, and both sets of data are reported.

One sample was reanalyzed at a dilution due to concentration levels of targeted analytes above the calibration range. Both sets of data are submitted.

Due to unresolved interferences, surrogate recoveries for DCB were outside Q. C. limits on one or both columns in sample SB-7 (8-10)DL, SS-1, SS-2, SS-3, and also in the PCB fractions SS-1A and SS-4A.

The continuous calibrations for aroclors on 6/5/13 showed slightly high response for AR1016. The compliant column was used for reporting LFB-39961A.

2M labs

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR PESTICIDES/PCBS ANALYSIS
SAMPLES RECEIVED: 5/22/13 & 5/23/13
SDG #: URS153

In the continuing calibration verification on 6/11/13, the responses for heptachlor, methoxychlor and 4,4'-DDT were high on one or both column. No data were affected. Only the dilution was analyzed and other analytes were high in the sample.

In the continuing calibration verification (CCV) in sequence 6/4/13, several compounds exceeded the variability criterion of a percent difference of 15% on either column or on both columns (INDAB10). Mostly no positives were found in the affected analyses for those analytes, or the concentrations from the compliant column were reported with the following exceptions:

Values are regarded estimated for 4,4'-DDD in sample SB 7 (8-10), because both columns exceeded 15% D. The value for gamma BHC in sample SS-3 had to be reported from the noncompliant column RTX-CLP due to an interference on RTX-CLP2 and is also "estimated". In LFB 39946, which was analyzed before INDAB10 where both columns had slightly high responses, concentrations are regarded estimated for eight analytes.

Positives are reported to the practical detection limits (PQL) of ½ of the reporting limits.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: July 9, 2013

****
* Middel *
****

Ursula Middel
Technical Manager

2F

SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS153

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	Other (1)	Other (2)	TOT OUT
25	SS-2A	89	92	65	179 *			1
26	SB-5 (0-0.5)A	87	88	63	62			0
27	SB-4 (0-0.5)A	88	89	61	57			0
28	SB-7 (0-0.5)A	74	77	54	52			0
29	SB-3 (0-0.5)A	92	93	69	65			0
30	SB-7 (8-10)	56	110	65	66			0
31	SB-2 (0-0.5)A	80	83	68	82			0
32	SB-1 (0-0.5)A	64	59	51	57			0
33	SB-6 (0-0.5)A	83	86	64	59			0
34	SB-7 (0-0.5)	61	61	65	61			0
35	SS-3A	79	80	62	56			0
36	SB-2 (0-0.5)	68	69	104	128			0
37	SS-4A	83	87	71	301 *			1
38	SS-2	75	74	42	237 *			1
39	MW-5 (6-8)A	69	72	58	52			0
40	MW-6 (2-4)A	81	82	65	60			0
41	SB-4 (0-0.5)	70	72	61	47			0
42	SS-3	74	70	146	905 *			1
43	SS-1	65	68	182 *	1160 *			2
44	MB-39946A	64	62	61	57			0
45	LFB2-39946A	69	63	62	60			0
46	SS-5A	47	47	41	59			0
47	MB-39946	55	59	44	49			0
48	LFB-39946	71	79	51	57			0

QC Limits

TCX = Tetrachloro-m-xylene (30-150)
DCB = Decachlorobiphenyl (30-150)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

URS153 P5

2E

WATER PESTICIDE SURROGATE RECOVERY

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS153

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	Other (1)	Other (2)	TOT OUT
01	MB-39844A	93	94	73	68			0
02	LFB2-39844A	99	85	72	63			0
03	RB-5A	85	83	19 *	17 *			2
04	RB-6A	79	84	28 *	25 *			2
05	mb-39844	85	87	69	67			0
06	lfb-39844	90	90	70	70			0
07	lfb3-39844	90	87	75	79			0
08	RB-5	73	73	17 *	17 *			2
09	RB-6	81	81	27 *	26 *			2
10	MB-39961A	88	86	65	57			0
11	LFB2-39961A	89	82	63	56			0
12	RB-5REA	115	107	18 *	15 *			2
13	RB-6REA	116	111	75	71			0
14	mb-39961	78	78	58	57			0
15	lfb-39961	80	76	58	57			0
16	lfb3-39961	84	81	60	57			0
17	RB-5RE	92	87	15 *	15 *			2
18	RB-6RE	99	93	65	65			0

QC Limits

TCX = Tetrachloro-m-xylene (30-150)
DCB = Decachlorobiphenyl (30-150)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

SB-7 (8-10)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS153

Lab Sample ID: 1305c62-001b Date(s) Analyzed: 6/6/2013 6/6/2013

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
beta-BHC	1	4.19	4.17	4.23	1.6	
	2	3.56	3.53	3.59	1.2	33.3
Aldrin	1	5.15	5.14	5.20	8.9	
	2	4.38	4.37	4.43	9.6	7.9
(E) Dieldrin	1	6.93	6.92	6.98	140	
	2	6.25	6.23	6.29	160	14.3
4,4'-DDE	1	6.55	6.54	6.60	12	
	2	6.03	6.02	6.08	17	41.7
4,4'-DDD	1	7.26	7.25	7.31	40	
	2	6.83	6.81	6.87	37	8.1
4,4'-DDT	1	7.55	7.54	7.60	4.2	
	2	7.17	7.16	7.22	3.5	20.0

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

SB-7 (10-12)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS153

Lab Sample ID: 1305c62-002b Date(s) Analyzed: 6/5/2013 6/5/2013

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
beta-BHC	1	4.20	4.17	4.23	2.6	
	2	3.56	3.53	3.59	12	361.5
Aldrin	1	5.15	5.14	5.20	3.4	
	2	4.38	4.37	4.43	3.7	8.8
Dieldrin	1	6.93	6.92	6.98	36	
	2	6.25	6.23	6.29	40	11.1
4,4'-DDE	1	6.55	6.54	6.60	5.5	
	2	6.07	6.02	6.08	1.1	400.0
4,4'-DDD	1	7.26	7.25	7.31	30	
	2	6.83	6.81	6.87	32	6.7
4,4'-DDT	1	7.55	7.54	7.60	3.3	
	2	7.17	7.16	7.22	2.5	32.0

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

SB-7 (14-16)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS153

Lab Sample ID: 1305c62-004b Date(s) Analyzed: 6/5/2013 6/5/2013

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
beta-BHC	1	4.21	4.17	4.23	4.8	
	2	3.59	3.53	3.59	1.9	152.6
Dieldrin	1	6.93	6.92	6.98	2.6	
	2	6.24	6.23	6.29	2.7	3.8
4,4'-DDD	1	7.26	7.25	7.31	1.3	
	2	6.83	6.81	6.87	1.2	8.3

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

SS-1

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS153

Lab Sample ID: 1305c62-007b Date(s) Analyzed: 6/6/2013 6/6/2013

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Endosulfan I	1	6.63	6.63	6.69	2.3	
	2	5.84	5.80	5.86	2.2	4.5
4,4'-DDE	1	6.55	6.54	6.60	16	
	2	6.04	6.02	6.08	3.5	357.1
Endrin	1	7.24	7.19	7.25	26	
	2	6.70	6.64	6.70	2.7	863.0
Endosulfan sulfate	1	8.29	8.24	8.30	67	
	2	7.57	7.55	7.61	5.2	999.9
4,4'-DDT	1	7.56	7.54	7.60	20	
	2	7.17	7.16	7.22	17	17.6
Methoxychlor	1	8.01	8.00	8.06	16	
	2	7.88	7.84	7.90	28	75.0
Endrin aldehyde	1	7.85	7.84	7.90	9.7	
	2	7.28	7.28	7.34	4.5	115.6

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

SS-2

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS153

Lab Sample ID: 1305c62-008b Date(s) Analyzed: 6/6/2013 6/6/2013

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
beta-BHC	1	4.19	4.17	4.23	3.6	
	2	3.58	0.00	0.00	1.3	176.9
gamma-BHC	1	4.11	4.07	4.13	2.9	
	2	3.45	3.45	3.51	1.6	81.3
4,4'-DDE	1	6.58	6.54	6.60	5.1	
	2	6.07	6.02	6.08	2.7	88.9
4,4'-DDT	1	7.55	7.54	7.60	31	
	2	7.17	7.16	7.22	7.3	324.7
gamma-Chlordane	1	6.27	6.26	6.32	1.4	
	2	5.52	5.48	5.54	3.3	135.7

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

SB-4 (0-0.5)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS153

Lab Sample ID: 1305c62-010b Date(s) Analyzed: 6/6/2013 6/6/2013

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
4,4'-DDT	1	7.55	7.54	7.60	2.3	
	2	7.17	7.16	7.22	1.7	35.3

URS153 P542

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

SB-2 (0-0.5)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS153

Lab Sample ID: 1305c62-013b Date(s) Analyzed: 6/6/2013 6/6/2013

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
4,4'-DDE	1	6.55	6.54	6.60	1.3	
	2	6.07	6.02	6.08	1.2	8.3
4,4'-DDT	1	7.55	7.54	7.60	5.6	
	2	7.17	7.16	7.22	3.2	75.0

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

SB-1 (0-0.5)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS153

Lab Sample ID: 1305c62-014b Date(s) Analyzed: 6/6/2013 6/6/2013

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
beta-BHC	1	4.20	4.17	4.23	2.7	
	2	3.59	3.53	3.59	4.3	59.3
4,4'-DDT	1	7.55	7.54	7.60	2.0	
	2	7.18	7.16	7.22	2.4	20.0

FORM X PEST- 1 SW8081/8082

URS153 P544

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

SS-3

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS153

Lab Sample ID: 1305c62-016b Date(s) Analyzed: 6/6/2013 6/6/2013

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
gamma-BHC	1	4.11	4.07	4.13	1.8	
	2	3.45	3.45	3.51	17	844.4
4,4'-DDE	1	6.55	6.54	6.60	12	
	2	6.07	6.02	6.08	10	20.0
Endosulfan II	1	7.45	7.43	7.49	2.2	
	2	6.94	6.90	6.96	5.9	168.2
Endosulfan sulfate	1	8.29	8.24	8.30	24	
	2	7.57	7.55	7.61	7.6	215.8
4,4'-DDT	1	7.56	7.54	7.60	17	
	2	7.17	7.16	7.22	8.8	93.2
Methoxychlor	1	8.05	8.00	8.06	12	
	2	7.88	7.84	7.90	17	41.7

URS153 P545

H2M labs

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR HERBICIDES ANALYSES
SAMPLES RECEIVED: 5/22/13 & 5/23/13
SDG #: URS153

For Sample(s):

MW-5 (6-8)	SB-7 (18-20)	SB-2 (0-0.5)
MW-6 (2-4)	SS-1	SB-1 (0-0.5)
RB-5	SS-2	SB-6 (0-0.5)
SB-7 (8-10)	SB-5 (0-0.5)	SS-3
SB-7 (10-12)	SB-4 (0-0.5)	SS-4
SB-7 (12-14)	SB-7 (0-0.5)	SS-5
SB-7 (14-16)	SB-3 (0-0.5)	RB-6
SB-7 (16-18)		

The above soil sample(s) and blank(s) was/were analyzed for herbicides by EPA method 8151A.

All Q. C. data and calibrations met the requirements of the method unless discussed below, and no problems were encountered with sample analysis. The following should be noted:

No sample of this SDG was analyzed as matrix spike. All results for the lab fortified blanks met control limits except for a very low recovery for picloram in lfb-39909. The associated samples were not re-extracted, because originally picloram was not targeted.

The recovery for the surrogate DCAA was above the Q. C. limit on one column for three samples due to unresolved matrix interference.

Both rinse blanks had low surrogate recoveries. Not enough sample material was available for re-extraction for sample RB-6. RB-5 was re-extracted, but data are not reportable due to an error during sample preparation. The original analyses have to be used. Due to the low recoveries no compounds below the reporting limit are reportable, however no contamination was present at reporting limits taking into account the low recoveries.

In the continuing calibration verifications (CCV), the variability criterion of a percent difference of 15% was exceeded on column RTX-CLP for dinoseb in CCV815135. The compound was reported from the compliant column RTX-CLP2 in the affected LFB lfb-39868.

In the soils, positives are reported to the practical detection limits of ½ of the reporting limits for all analytes except for picloram in all SB samples 0-0.5, all SS samples and SB-7 (18-20). These samples cannot be reported for picloram below PQL. They were extracted on 5/30/13 with lfb-39909, which had a low recovery for picloram. The samples were evaluated, and no picloram above PQL is found taking into account the recovery, with one

URS153 A10 Revised CLG Sep-03-13

H 2 M labs

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR HERBICIDES ANALYSES
SAMPLES RECEIVED: 5/22/13 & 5/23/13
SDG #: URS153

exception: The reporting limit in SS-3 was raised, because traces were detected which may be above the PQL if recovery corrected.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: June 27, 2013

Date Revised: August 29, 2013

****
* Middel *
****

Ursula Middel
Technical Manager

URS153 A11 Revised CLG Sep-03-13

2F

SOIL HERBICIDE SURROGATE RECOVERY

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS153

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

	EPA SAMPLE NO.	DCAA 1 %REC #	DCAA 2 %REC #	1 %REC #	%REC #	Other (1)	Other (2)	TOT OUT
01	mb-39863	77	73					0
02	lfb-39863	70	68					0
03	MW-5 (6-8)	56	53					0
04	MW-6 (2-4)	82	70					0
05	mb-39893	101	93					0
06	lfb-39893	87	85					0
07	SB-7 (8-10)	161 *	127					1
08	SB-7 (10-12)	99	94					0
09	SB-7 (12-14)	98	95					0
10	SB-7 (14-16)	95	97					0
11	SB-7 (16-18)	100	98					0
12	mb-39909	56	52					0
13	lfb-39909	83	79					0
14	SB-7 (18-20)	91	86					0
15	SS-1	101	83					0
16	SS-2	121	93					0
17	SB-5 (0-0.5)	100	92					0
18	SB-4 (0-0.5)	97	90					0
19	SB-7 (0-0.5)	102	92					0
20	SB-3 (0-0.5)	96	90					0
21	SB-2 (0-0.5)	107	92					0
22	SB-1 (0-0.5)	113	99					0
23	SB-6 (0-0.5)	144 *	126					1
24	SS-3	145 *	104					1

QC Limits

DCAA = DCAA (29-136)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

Revised CLG Sep-03-13

URS153 H3

2E

WATER HERBICIDE SURROGATE RECOVERY

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS153

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

	EPA SAMPLE NO.	DCAA 1 %REC #	DCAA 2 %REC #	1 %REC #	%REC #	Other (1)	Other (2)	TOT OUT
01	mb-39868	61	55					0
02	lfb-39868	83	79					0
03	RB-5	26 *	25 *					2
04	RB-6	34 *	32 *					2

QC Limits

DCAA = DCAA (36-121)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

Revised CLG Sep-03-13

URS153 H5

3A

SYSTEM MONITORING SPIKE RECOVERY

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No.: URS SAS No.: SDG No.: URS153

Sample ID lfb-39909 Level:(low/med) LOW

Column ID CLP Column Diam .32

Inst. ID HP6890-1 Init. Calib. Date(s): 05/16/13 19:31

Analysis Date: 06/02/13 12:53 05/16/13 20:34

COMPOUND	SPIKE ADDED (µg/Kg)	SAMPLE CONCENTRATION (µg/Kg)	SPIKE CONCENTRATION (µg/Kg)	SPIKE % REC #	QC. LIMITS REC.
Picloram	20	0	2.5	12*	40-140
Dicamba	20	0	10	50	16-136
2,4-D	40	0	14	36	25-157
2,4,5-TP (Silvex)	20	0	12	58	12-146
2,4,5-T	20	0	6.3	31	16-136
Dinoseb	40	0	17	43	10-121
2,4-DB	160	0	110	66	10-131

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 1 out of 7 outside limits

COMMENTS:

Revised CLG Sep-03-13

URS153 H9

H2M LABS INC

PREP BATCH REPORT

Prep Start Date: **5/30/2013 10:26:41**
Prep End Date: **5/31/2013 8:15:45 P**

Prep Batch ID: **39909** Prep Code: **8151PR_S** Technician: **Henry Barrera**

Initial Temp: **°C** Final Temp **°C**

Prep Factor Units: **mL / g**

Sample ID	ClientSampleID	Matrix	pH1	pH2	SampAmt	Fin Vol	factor	GPC	Acid	Sulfur	Florisil	PrepStart	PrepEnd
MB-39909		Soil			25	5	0.200	☐	☐	☐	☐	5/30/2013	5/31/2013
1305D53-001B	SS-4	Soil			25.01	5	0.200	☐	☐	☐	☐	5/30/2013	5/31/2013
1305D53-001BMS		Soil			25.14	5	0.199	☐	☐	☐	☐	5/30/2013	5/31/2013
1305D53-001BMSD		Soil			25.22	5	0.198	☐	☐	☐	☐	5/30/2013	5/31/2013
1305C62-006B	SB-7 (18-20)	Soil			25.19	5	0.198	☐	☐	☐	☐	5/30/2013	5/31/2013
1305C62-007B	SS-1	Soil			25.09	5	0.199	☐	☐	☐	☐	5/30/2013	5/31/2013
1305C62-008B	SS-2	Soil			25.01	5	0.200	☐	☐	☐	☐	5/30/2013	5/31/2013
1305C62-009B	SB-5 (0-0.5)	Soil			25.02	5	0.200	☐	☐	☐	☐	5/30/2013	5/31/2013
1305C62-010B	SB-4 (0-0.5)	Soil			25.19	5	0.198	☐	☐	☐	☐	5/30/2013	5/31/2013
1305C62-011B	SB-7 (0-0.5)	Soil			25.14	5	0.199	☐	☐	☐	☐	5/30/2013	5/31/2013
1305C62-012B	SB-3 (0-0.5)	Soil			25.23	5	0.198	☐	☐	☐	☐	5/30/2013	5/31/2013
1305C62-013B	SB-2 (0-0.5)	Soil			25.17	5	0.199	☐	☐	☐	☐	5/30/2013	5/31/2013
1305C62-014B	SB-1 (0-0.5)	Soil			25.09	5	0.199	☐	☐	☐	☐	5/30/2013	5/31/2013
1305C62-015B	SB-6 (0-0.5)	Soil			25.01	5	0.200	☐	☐	☐	☐	5/30/2013	5/31/2013
1305C62-016B	SS-3	Soil			25.34	5	0.197	☐	☐	☐	☐	5/30/2013	5/31/2013
1305C62-017B	SS-4	Soil			25.04	5	0.200	☐	☐	☐	☐	5/30/2013	5/31/2013
LFB-39909		Soil			25	5	0.200	☐	☐	☐	☐	5/30/2013	5/31/2013

Type	Chemical / Reagent ID	Chemical / Reagent Name	Container#	Container I	Amount Added	Unit
Chemical	42	Silica Gel	157	Container-01 of 01	1	g
Reagent	230	12M H2SO4 051613	262	Container-01 of 01	5	mL

Cleanups:
GPC = Method EPA3640A
Acid = Method EPA3665A
Sulfur= Method EPA3660B
Florisil = Method-EPA3620B

URS153 H469 Revised CLG Sep-03-13

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

MW-6 (2-4)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS153

Lab Sample ID: 1305B58-002B Date(s) Analyzed: 05/30/13 05/30/13

Instrument ID (1): HP6890-1 Instrument ID (2): HP6890-1

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
2,4-D	1	6.15	6.09	6.15	18	
	2	6.17	6.14	6.20	25	38.9
2,4-DB	1	7.02	7.01	7.07	34	
	2	7.12	7.06	7.12	34	0.0

URS153 H203 Revised CLG Sep-03-13

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SB-5 (0-0.5)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS153

Lab Sample ID: 1305C62-009B Date(s) Analyzed: 06/02/13 06/02/13

Instrument ID (1): HP6890-1 Instrument ID (2): HP6890-1

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
2,4-D	1	6.06	6.04	6.10	47	
	2	6.13	6.10	6.16	11	327.3

Revised CLG Sep-03-13

URS153 H205

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SB-4 (0-0.5)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS153

Lab Sample ID: 1305C62-010B Date(s) Analyzed: 06/02/13 06/02/13

Instrument ID (1): HP6890-1 Instrument ID (2): HP6890-1

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
2,4-DB	1	7.00	6.96	7.02	13	
	2	7.04	7.01	7.07	8.1	60.5

URS153 H206 Revised CLG Sep-03-13

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SB-7 (0-0.5)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS153

Lab Sample ID: 1305C62-011B Date(s) Analyzed: 06/02/13 06/02/13

Instrument ID (1): HP6890-1 Instrument ID (2): HP6890-1

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
2,4-DB	1	7.00	6.96	7.02	9.3	
	2	7.04	7.01	7.07	24	158.1

URS153 H207 Revised CLG Sep-03-13

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SB-2 (0-0.5)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS153

Lab Sample ID: 1305C62-013B Date(s) Analyzed: 06/02/13 06/02/13

Instrument ID (1): HP6890-1 Instrument ID (2): HP6890-1

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
2,4-DB	1	6.98	6.96	7.02	13	
	2	7.04	7.01	7.07	29	123.1

URS153 H209 Revised CLG Sep-03-13

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SB-1 (0-0.5)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS153

Lab Sample ID: 1305C62-014B Date(s) Analyzed: 06/02/13 06/02/13

Instrument ID (1): HP6890-1 Instrument ID (2): HP6890-1

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
2,4-DB	1	7.00	6.96	7.02	27	
	2	7.04	7.01	7.07	7.0	285.7

URS153 H210 Revised CLG Sep-03-13

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SB-6 (0-0.5)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS153

Lab Sample ID: 1305C62-015B Date(s) Analyzed: 06/02/13 06/02/13

Instrument ID (1): HP6890-1 Instrument ID (2): HP6890-1

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Dicamba	1	5.52	5.48	5.54	3.3	
	2	5.53	5.51	5.57	4.0	21.2
2,4-D	1	6.09	6.04	6.10	11	
	2	6.12	6.10	6.16	8.3	32.5
2,4,5-TP (Silvex)	1	6.57	6.53	6.59	5.1	
	2	6.57	6.55	6.61	3.5	45.7
2,4,5-T	1	6.73	6.68	6.74	5.2	
	2	6.77	6.75	6.81	6.1	17.3
Dinoseb	1	7.58	7.53	7.59	2.7	
	2	7.21	7.18	7.24	12	344.4
2,4-DB	1	6.98	6.96	7.02	24	
	2	7.04	7.01	7.07	35	45.8

Revised CLG Sep-03-13

URS153 H218

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SS-3

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS153

Lab Sample ID: 1305C62-016B Date(s) Analyzed: 06/02/13 06/02/13

Instrument ID (1): HP6890-1 Instrument ID (2): HP6890-1

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
2,4-D	1	6.06	6.04	6.10	100	
	2	6.12	6.10	6.16	7.2	999.9
2,4,5-T	1	6.73	6.68	6.74	7.7	
	2	6.77	6.75	6.81	9.4	22.1
Dinoseb	1	7.58	7.53	7.59	2.5	
	2	7.21	7.18	7.24	2.8	12.0
2,4-DB	1	6.98	6.96	7.02	13	
	2	7.04	7.01	7.07	22	69.2

URS153 H219 Revised CLG Sep-03-13

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SS-4

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS153

Lab Sample ID: 1305C62-017B Date(s) Analyzed: 06/02/13 06/02/13

Instrument ID (1): HP6890-1 Instrument ID (2): HP6890-1

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Dinoseb	1	7.55	7.53	7.59	2.6	
	2	7.21	7.18	7.24	4.4	69.2

URS153 H220 Revised CLG Sep-03-13

H2M labs

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR METALS ANALYSES
SAMPLE(S) RECEIVED: 5/22/13 & 5/23/13
SDG #: URS153

For Sample(s):

MW-5 (6-8)	SS-2	SB-1 (0-0.5)
RB-5	SB-5 (0-0.5)	SB-6 (0-0.5)
SB-7 (12-14)	SB-4 (0-0.5)	SS-3
SB-7 (16-18)	SB-7 (0-0.5)	SS-4
SB-7 (18-20)	SB-3 (0-0.5)	SS-5
SS-1	SB-2 (0-0.5)	RB-6

The above sample(s) was/were received by H2M Labs, Inc. for TAL metals analysis.

Samples were prepared and analyzed by 6010B with a TS ICAP 6000 instrument and methods 7470A/7471A with a Leeman HYDRA mercury analyzer.

Sample MW-5 (6-8) was utilized for Q.C. analysis and reporting.

Spike analysis did not meet acceptance criteria for selenium. The sample was post spiked, reanalyzed and recovered at 101.7%. Selenium data was reported flagged "N" on forms 1 and 5A.

Duplicate analysis did not meet acceptance criteria for chromium, copper and zinc. Associated data were reported flagged "*" on forms 1 and 6.

No other issues were noted during the analysis of this sample group.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: June 20, 2013

Vincent Stancampiano
Vice President

URS153 A12

U.S. EPA - CLP

3
BLANKS

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No. SAS No.: SDG No.: URS153

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Mercury			0.1	B	0.1	U	0.1	U	0.100	U	CV

URS153 M52

U.S. EPA - CLP

14
ANALYSIS RUN LOG

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No. SAS No.: SDG No.: URS153

Instrument ID Number: HYDRA Method: CV

Start Date: 06/13/2013 End Date: 06/13/2013

EPA Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	1318																X									
S0.2	1.00	1319																X									
S1	1.00	1321																X									
S2	1.00	1322																X									
S5	1.00	1324																X									
S10	1.00	1326																X									
ICV	1.00	1328																X									
ICB	1.00	1330																X									
CCV	1.00	1332																X									
CCB	1.00	1334																X									
CRA	1.00	1335																X									
ZZZZZZ	1.00	1337																									
ZZZZZZ	1.00	1340																									
ZZZZZZ	1.00	1341																									
ZZZZZZ	1.00	1343																									
ZZZZZZ	1.00	1345																									
ZZZZZZ	1.00	1346																									
ZZZZZZ	1.00	1348																									
ZZZZZZ	1.00	1350																									
ZZZZZZ	1.00	1352																									
CCV	1.00	1354																X									
CCB	1.00	1356																X									
ZZZZZZ	1.00	1357																									
ZZZZZZ	1.00	1359																									
ZZZZZZ	1.00	1401																									
ZZZZZZ	1.00	1403																									
ZZZZZZ	1.00	1404																									
ZZZZZZ	1.00	1406																									
ZZZZZZ	1.00	1408																									
ZZZZZZ	1.00	1409																									
ZZZZZZ	1.00	1412																									
CRA	1.00	1414																X									
CCV	1.00	1416																X									
CCB	1.00	1418																X									
ZZZZZZ	1.00	1420																									

U.S. EPA - CLP

14
ANALYSIS RUN LOG

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No. SAS No.: SDG No.: URS153

Instrument ID Number: HYDRA Method: CV

Start Date: 06/13/2013 End Date: 06/13/2013

EPA Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN			
PBW	1.00	1422																X												
RB-5	1.00	1423																X												
RB-6	1.00	1425																X												
ZZZZZZ	1.00	1427																												
PBS	1.00	1429																X												
LCSS	20.00	1431																X												
MW-5 (6-8)	1.00	1433																X												
W-5 (6-8)D	1.00	1435																X												
W-5 (6-8)S	1.00	1437																X												
CCV #4	1.00	1439																X												
CCB	1.00	1441																X												
-7 (12-14)	1.00	1443																X												
-7 (16-18)	1.00	1445																X												
-7 (18-20)	1.00	1447																X												
SS-1	1.00	1449																X												
SS-2	1.00	1451																X												
-5 (0-0.5)	1.00	1453																X												
-4 (0-0.5)	1.00	1455																X												
-7 (0-0.5)	1.00	1457																X												
-3 (0-0.5)	1.00	1459																X												
CRA	1.00	1501																X												
CCV	1.00	1502																X												
CCB	1.00	1504																X												
-2 (0-0.5)	1.00	1506																X												
-1 (0-0.5)	1.00	1508																X												
-6 (0-0.5)	1.00	1511																X												
SS-3	1.00	1512																X												
SS-4	1.00	1514																X												
SS-5	1.00	1515																X												
ZZZZZZ	1.00	1518																												
ZZZZZZ	20.00	1520																												
ZZZZZZ	1.00	1522																												
ZZZZZZ	1.00	1523																												
CCV	1.00	1525																X												
CCB	1.00	1527																X												

URS153 M82

U.S. EPA - CLP

14
ANALYSIS RUN LOG

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No. SAS No.: SDG No.: URS153

Instrument ID Number: HYDRA Method: CV

Start Date: 06/13/2013 End Date: 06/13/2013

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	1.00	1529																									
ZZZZZZ	1.00	1531																									
ZZZZZZ	1.00	1533																									
ZZZZZZ	1.00	1534																									
ZZZZZZ	20.00	1536																									
ZZZZZZ	1.00	1538																									
ZZZZZZ	1.00	1540																									
ZZZZZZ	1.00	1541																									
ZZZZZZ	1.00	1543																									
CRA	1.00	1545																X									
CCV	1.00	1547																X									
CCB	1.00	1549																X									
ZZZZZZ	1.00	1550																									
ZZZZZZ	1.00	1552																									
ZZZZZZ	1.00	1554																									
ZZZZZZ	1.00	1556																									
ZZZZZZ	1.00	1558																									
ZZZZZZ	1.00	1600																									
ZZZZZZ	1.00	1602																									
ZZZZZZ	1.00	1603																									

URS153 M83

U.S. EPA - CLP

3
BLANKS

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No. SAS No.: SDG No.: URS153

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum	9.5	U	-66.0	B	-68.0	B	-66.0	B	0.950	U	P
Antimony	1.2	U	1.2	U	1.2	U	1.2	U	0.120	U	P
Arsenic	2.8	U	2.8	U	2.8	U	-3.2	B	0.280	U	P
Barium	3.7	U	3.7	U	3.7	U	3.7	U	0.370	U	P
Beryllium	0.3	B	-0.2	B	-0.3	B	-0.4	B	0.010	U	P
Cadmium	0.5	B	-0.2	B	-0.3	B	-0.5	B	0.010	U	P
Calcium	5.3	U	-70.0	B	-72.0	B	-70.0	B	0.530	U	P
Chromium	0.5	B	0.4	U	0.4	U	0.4	U	0.040	U	P
Cobalt	0.5	B	0.4	U	0.4	U	0.4	U	0.040	U	P
Copper	0.4	U	0.8	B	-2.2	B	-3.7	B	0.040	U	P
Iron	5.2	B	-29.0	B	-30.0	B	-26.0	B	0.180	U	P
Lead	-1.2	B	1.0	U	1.0	U	1.0	U	0.100	U	P
Magnesium	16.9	U	-67.0	B	-70.0	B	-59.0	B	1.700	U	P
Manganese	0.4	B	-0.2	B	-0.4	B	-0.3	B	0.010	U	P
Nickel	0.4	B	0.3	B	0.3	U	-0.3	B	0.030	U	P
Potassium	-120.0	B	205.0	B	79.3	B	-94.0	B	4.900	U	P
Selenium	2.7	B	2.3	U	2.3	U	2.3	U	0.230	U	P
Silver	-0.4	B	0.5	B	0.2	U	-0.3	B	0.020	U	P
Sodium	1261.3	U	1261.3	U	1261.3	U	1261.3	U	126.000	U	P
Thallium	1.9	U	1.9	U	1.9	U	-2.2	B	0.190	U	P
Vanadium	0.4	B	-0.5	B	-0.7	B	-0.6	B	0.030	U	P
Zinc	0.4	B	-0.8	B	-0.8	B	-1.0	B	0.030	U	P

URS153 M49

U.S. EPA - CLP

3
BLANKS

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No. SAS No.: SDG No.: URS153

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum			-68.0	B	-65.0	B	-47.0	B			P
Antimony			1.2	U	1.2	U	1.2	U			P
Arsenic			2.8	U	2.8	U	2.8	U			P
Barium			3.7	U	3.7	U	3.7	U			P
Beryllium			-0.4	B	-0.4	B	-0.2	B			P
Cadmium			-0.4	B	-0.5	B	-0.3	B			P
Calcium			-76.0	B	-29.0	B	-56.0	B			P
Chromium			0.4	U	0.4	U	0.4	U			P
Cobalt			-0.6	B	-0.8	B	0.4	U			P
Copper			-0.9	B	-1.2	B	-0.6	B			P
Iron			-30.0	B	35.9	B	-24.0	B			P
Lead			1.0	U	1.0	U	1.3	B			P
Magnesium			-63.0	B	-67.0	B	-43.0	B			P
Manganese			-0.4	B	0.3	B	-0.3	B			P
Nickel			0.3	U	0.3	U	0.3	U			P
Potassium			-290.0	B	208.0	B	-250.0	B			P
Selenium			-3.0	B	2.3	U	2.3	U			P
Silver			0.2	U	0.2	U	0.2	U			P
Sodium			1261.3	U	1261.3	U	1261.3	U			P
Thallium			1.9	U	1.9	U	-2.4	B			P
Vanadium			-0.5	B	-0.9	B	-0.6	B			P
Zinc			-0.9	B	15.7	B	-0.5	B			P

URS153 M50

U.S. EPA - CLP

14
ANALYSIS RUN LOG

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No. SAS No.: SDG No.: URS153

Instrument ID Number: ICAP6000 Method: P

Start Date: 06/18/2013 End Date: 06/18/2013

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN	
S0	1.00	1015		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
S	1.00	1019			X																	X						
S	1.00	1026		X						X				X		X												
S	1.00	1030				X									X						X			X				
S	1.00	1034					X	X	X		X	X	X				X		X						X	X		
S	1.00	1039												X														
S	1.00	1043																		X			X					
ICV	1.00	1048		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
ICV	1.00	1052												X														
ICB	1.00	1056		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
ZZZZZZ	1.00	1101																										
CRI	1.00	1105			X	X		X	X		X	X	X		X		X		X		X	X		X	X	X		
ICSA	1.00	1109		X		X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X		
ICSAB	1.00	1114		X		X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X		
CCV	1.00	1154		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
CCV	1.00	1158												X														
CCB	1.00	1203		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
ZZZZZZ	1.00	1207																										
ZZZZZZ	1.00	1211																										
ZZZZZZ	1.00	1216																										
ZZZZZZ	1.00	1220																										
ZZZZZZ	1.00	1224																										
ZZZZZZ	5.00	1228																										
ZZZZZZ	1.00	1232																										
ZZZZZZ	1.00	1237																										
ZZZZZZ	1.00	1241																										
PBS	1.00	1245		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
CCV	1.00	1249		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
CCV	1.00	1254												X														
CCB	1.00	1258		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
LCSS	1.00	1303		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
MW-5 (6-8)	1.00	1307		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
W-5 (6-8)D	1.00	1312		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
W-5 (6-8)S	1.00	1316		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
W-5 (6-8)L	5.00	1321		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		

URS153 M78

U.S. EPA - CLP

14
ANALYSIS RUN LOG

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No. SAS No.: SDG No.: URS153

Instrument ID Number: ICAP6000 Method: P

Start Date: 06/18/2013 End Date: 06/18/2013

EPA Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN			
W-5 (6-8)A	1.00	1325																			X									
-7 (12-14)	1.00	1330		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
-7 (16-18)	1.00	1334		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
-7 (18-20)	1.00	1339		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
SS-1	1.00	1343		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
CCV	1.00	1348		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
CCV (2)	1.00	1352												X																
CCB	1.00	1356		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
SS-2	1.00	1401		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
-5 (0-0.5)	1.00	1405		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
-4 (0-0.5)	1.00	1409		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
-7 (0-0.5)	1.00	1413		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
-3 (0-0.5)	1.00	1417		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
-2 (0-0.5)	1.00	1422		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
-1 (0-0.5)	1.00	1426		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
-6 (0-0.5)	1.00	1430		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
SS-3	1.00	1434		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
SS-4	1.00	1439		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
CCV	1.00	1443		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
CCV (3)	1.00	1447												X																
CCB	1.00	1451		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
SS-5	1.00	1456		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
ZZZZZZ	1.00	1500																												
ZZZZZZ	1.00	1504																												
ZZZZZZ	1.00	1508																												
ZZZZZZ	1.00	1512																												
ZZZZZZ	1.00	1517																												
ZZZZZZ	1.00	1521																												
ZZZZZZ	1.00	1525																												
ZZZZZZ	1.00	1530																												
ZZZZZZ	1.00	1534																												
CCV	1.00	1538		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
CCV (4)	1.00	1542												X																
CCB	1.00	1547		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
ZZZZZZ	5.00	1551																												

URS153 M79

U.S. EPA - CLP

14
ANALYSIS RUN LOG

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No. SAS No.: SDG No.: URS153

Instrument ID Number: ICAP6000 Method: P

Start Date: 06/18/2013 End Date: 06/18/2013

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	1.00	1555																									
CRI	1.00	1600			X	X		X	X		X	X	X		X		X		X		X	X		X	X	X	
ICSA	1.00	1604		X		X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
ICSAB	1.00	1608		X		X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
CCV	1.00	1613		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV (6)	1.00	1617												X													
CCB	1.00	1622		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	

URS153 M80

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO
MW-5 (6-8)S

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No. SAS No.: SDG No.: URS153

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 85.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony	75-125	52.6314		0.5285	B	58.38	89.3		P
Arsenic	75-125	7.7336		4.0945		4.67	77.9		P
Barium	75-125	275.2993		55.8771		233.50	94.0		P
Beryllium	75-125	6.1645		0.3386	B	5.84	99.8		P
Cadmium	75-125	4.9970		0.0117	U	5.84	85.6		P
Chromium	75-125	37.7457		20.0228		23.35	75.9		P
Cobalt	75-125	63.5243		8.7563		58.38	93.8		P
Copper	75-125	42.4040		17.8396		29.19	84.2		P
Iron		17197.4506		20466.4839		116.75	-2800.0		P
Lead		19.1355		18.7619		2.34	16.0		P
Manganese		343.7155		307.1724		58.38	62.6		P
Mercury	75-125	0.2140		0.0195	U	0.19	100.0		CV
Nickel	75-125	70.6695		19.3457		58.38	87.9		P
Selenium	75-125	0.2969	B	0.2685	U	1.17	25.4	N	P
Silver	75-125	5.5153		0.0234	U	5.84	94.5		P
Thallium	75-125	5.5212		0.2218	U	5.84	94.6		P
Vanadium	75-125	74.9893		19.6142		58.38	94.9		P
Zinc	75-125	101.6786		55.1066		58.38	79.8		P

Comments:

URS153 M56

IR gun 122336969 / 122076478
pH strips (10BDH0431) ≤2 3 9 ≥12
Free Cl2 strips(041912C)Present/Absent
Lot#

URS155/156

CHAIN OF CUSTODY RECORD

URS

PROJECT NO. 11176892.00002 | SITE NAME Old Agway

SAMPLERS (PRINT/SIGNATURE) Tim Burmaer/Rachel Cicigline

LAB HZM

COOLER 1 of 2

PAGE 1 of 2

DELIVERY SERVICE: Fedex AIRBILL NO.:

BOTTLE TYPE AND PRESERVATIVE

LOCATION IDENTIFIER	DATE	TIME	COMP/GRAB	SAMPLE ID	MATRIX	TOTAL NO.# OF CONTAINERS	TCL VOCs 40ml Amber	TAL METALS 8oz Amber	PEST HERBS PCBs SVOCs 8oz Amber	URS155	REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO.# (IRPIMS ONLY)
SS4	5/23/13	0815	G	SS4 MSD	SO	4	1	2	1	1305D53-001	Spike Dup	SD			
SS4	5/23/13	0815	G	SS4 MS	SO	4	1	2	1	- ↓	Matrix Spike	MS			
SS4	5/23/13	0815	G	SS4 Dup	SO	4	1	2	1	- 002	Duplicate	FR			
SS6	5/23/13	0820	G	SS6 Dup	SO	4	1	2	1	- 003	Duplicate	FR			
HA3	5/23/13	0900	G	HA-3(1-1.5)	SO	4	1	2	1	1305D54-001	Hand Auger	N	1	1.5	
HA4	5/23/13	1005	G	HA-4(1-1.5)	SO	4	1	2	1	- 002		N			
HA5	5/23/13	1050	G	HA-5(1-1.5)	SO	4	1	2	1	- 003		N			
HA3	5/23/13	0900	G	HA3(1-1.5)MS	SO	4	1	2	1	- 001	Matrix Spike MS	N	1	1.5	
HA3	5/23/13	0900	G	HA3(1-1.5)MSD	SO	4	1	2	1	- ↓	Spike Dup SD	N	1	1.5	
HA3	5/23/13	0900	G	HA3(1-1.5)Dup	SO	4	1	2	1	- 004	Duplicate FR	N	1	1.5	
HA3	5/23/13	0930	G	HA3(3-3.5)	SO	4	1	2	1	- 005	Hand Auger	N	3	3.5	
HA4	5/23/13	1020	G	HA4(3-3.5)	SO	4	1	2	1	- 006		N	3	3.5	
HA5	5/23/13	1115	G	HA5(3-3.5)	SO	4	1	2	1	- 007		N	3	3.5	

MATRIX CODES
AA - AMBIENT AIR; SE - SEDIMENT; SH - HAZARDOUS SOLID WASTE; SL - SLUDGE; WP - DRINKING WATER; WW - WASTE WATER; WG - GROUND WATER; SO - SOIL; DC - DRILL CUTTINGS; WL - LEACHATE; GS - SOIL GAS; WC - DRILLING WATER; WO - OCEAN WATER; WS - SURFACE WATER; WQ - WATER FIELD QC; LH - HAZARDOUS LIQUID WASTE; LF - FLOATING/FREE PRODUCT ON GW TABLE

SAMPLE TYPE CODES
TB# - TRIP BLANK; SD# - MATRIX SPIKE DUPLICATE; RB# - RINSE BLANK; FR# - FIELD REPLICATE; N# - NORMAL ENVIRONMENTAL SAMPLE; MS# - MATRIX SPIKE
(# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
	5/23/13	17:30		5/24/13	10:00
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME
	5/24/13	10:00		5-24-13	10:00

SPECIAL INSTRUCTIONS
For questions Contact George Kisluk 716-856-5634

Distribution: Original accompanies shipment, copy to coordinator field files

URSF-075C/1 OF 1/CofCR/GCM

URS155 A11

Custody Seal Present

URS155

CHAIN OF CUSTODY RECORD

URS

PROJECT NO. 11716892.00002 | SITE NAME Old Agway

SAMPLERS (PRINT/SIGNATURE) Tim Bummer/Rachel Cicigline

LAB HRM

COOLER 2 of 2

PAGE 2 of 2

DELIVERY SERVICE: Fedex AIRBILL NO.:

LOCATION IDENTIFIER	DATE	TIME	COMP/ GRAB	SAMPLE ID	MATRIX	TOTAL NO.# OF CONTAINERS	TESTS / BOTTLE TYPE AND PRESERVATIVE	REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO.# (IRPIMS ONLY)
							12 Amber 500ml NO3 40ml Vial					
RB7	5/23/13	1330	G	RB7	RB	9	6 - 1 - 2 - 1305D53-004	Rinse Blank	N	RB	-	

MATRIX CODES	AA - AMBIENT AIR SE - SEDIMENT SH - HAZARDOUS SOLID WASTE	SL - SLUDGE WP - DRINKING WATER WW - WASTE WATER	WG - GROUND WATER SO - SOIL DC - DRILL CUTTINGS	WL - LEACHATE GS - SOIL GAS WC - DRILLING WATER	WO - OCEAN WATER WS - SURFACE WATER WQ - WATER FIELD QC	LH - HAZARDOUS LIQUID WASTE LF - FLOATING/FREE PRODUCT ON GW TABLE
SAMPLE TYPE CODES	TB# - TRIP BLANK SD# - MATRIX SPIKE DUPLICATE	RB# - RINSE BLANK FR# - FIELD REPLICATE	N# - NORMAL ENVIRONMENTAL SAMPLE MS# - MATRIX SPIKE	(# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)		

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
	5/23/13	1345		5/24/13	1000
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME
	5/24/13	1000		5-24-13	1000

SPECIAL INSTRUCTIONS

Distribution: Original accompanies shipment, copy to coordinator field files

URSF-075C/1 OF 1/ColCR/GCM

URS155 A12

H2M labs

H2M LABS INC
575 Broad Hollow Rd.
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.h2mlabs.com

URS 155

Sample Receipt Checklist

Client Name **URS** Date and Time Received: **5/24/2013 10:00:00 AM**

Work Order Number: **1305D53** RcptNo: 1 Received by **MelissaWatson**

Completed by: M. Wat Reviewed by:

Completed Date: 5/28/2013 Reviewed Date: 5/29/2013 6:23:11 PM

Carrier name: FedEx

Chain of custody present?	Yes ☑	No ☐			
Chain of custody signed when relinquished and received?	Yes ☑	No ☐			
Chain of custody agrees with sample labels?	Yes ☑	No ☐			
Are matrices correctly identified on Chain of custody?	Yes ☑	No ☐			
Is it clear what analyses were requested?	Yes ☑	No ☐			
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present	☑	
Samples in proper container/bottle?	Yes ☑	No ☐			
Were correct preservatives used and noted?	Yes ☑	No ☐	NA	☐	
Preservative added to bottles:					
Sample Condition?	Intact ☑	Broken ☐	Leaking	☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐			
Were container labels complete (ID, Pres, Date)?	Yes ☑	No ☐			
All samples received within holding time?	Yes ☑	No ☐			
Was an attempt made to cool the samples?	Yes ☑	No ☐	NA	☐	
All samples received at a temp. of > 0° C to 6.0° C?	Yes ☐	No ☑	NA	☐	
Response when temperature is outside of range:					
Sample Temp. taken and recorded upon receipt?	Yes ☑	No ☐	4.5 To	11.9 °	
Water - Were bubbles absent in VOC vials?	Yes ☑	No ☐	No Vials	☐	
Water - Was there Chlorine Present?	Yes ☐	No ☐	NA	☑	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	No Water	☐	
Are Samples considered acceptable?	Yes ☑	No ☐			
Custody Seals present?	Yes ☑	No ☐			
Airbill or Sticker?	Air Bill ☑	Sticker ☐	Not Present	☐	
Airbill No:	8028 4059 9569; 8028 4059 9396				

Case Number: SDG: URS155 SAS:

Any No response should be detailed in the comments section below, if applicable.

Client Contacted? ☐ Yes ☑ No Person Contacted:

Contact Mode: ☐ Phone: ☐ Fax: ☐ Email: ☐ In Person:

Client Instructions:

Date Contacted: Contacted By:

Regarding:

Comments:

The samples were chilled but the temperature upon receipt was greater than 6 degrees Celsius. One of the liter ambers arrived broken and one arrived with a broken cap. There is enough volume remaining to perform all of the analyses.

CorrectiveAction:

URS155 A13

H2M labs
575 Broad Hollow Road
Melville, NY 11747
tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR VOLATILE ORGANICS
SAMPLES RECEIVED: 5/24/13
SDG #: URS155

For Sample(s):

SS-4
SS-4 DUP
SS-6 ~~DUP~~
RB-7

10/4/13

The above sample(s) and blanks was/were analyzed for a select list of volatile organic analytes by EPA method 8260B.

All Q.C. data and calibrations met the requirements of the method, and no problems were encountered with sample analysis. The following should be noted:

Sample SS-4 was analyzed as the matrix spike/matrix spike duplicate. % recoveries for 21 out of 96 analytes were outside of Q.C. limits. The RPD for 1,2,4-trichlorobenzene was high. A lab fortified blank was analyzed. All percent recoveries were within or above Q.C. limits.

In the continuing calibration verification (CCV's) some compounds had %D's above 15%. These compounds are noted on Form VII. Results for these analytes are regarded as estimated and are flagged with a "Z" qualifier if found in samples associated with that calibration.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: July 10, 2013

****
* *
* *
****
Joann M. Slavin
Senior Vice President

URS155 A3

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS155

Lab File ID: 3\J10656.D BFB Injection Date: 05/30/13

Instrument ID: HP5973-3 BFB Injection Time: 10:47

GC Column: Rtx-624 ID: .18 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.0
75	30.0 - 60.0% of mass 95	48.8
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.4 (0.6)1
174	Greater than 50.0% of mass 95	70.5
175	5.0 - 9.0% of mass 174	4.9 (7.0)1
176	95.0 - 101.0% of mass 174	68.1 (96.6)1
177	5.0 - 9.0% of mass 176	4.4 (6.5)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050	VSTD050	3\J10657.D	05/30/13	11:21
02	VBLK053013	VBLK053013	3\J10659.D	05/30/13	12:17
03	RB-7	1305D53-004A	3\J10673.D	05/30/13	18:51

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS155

Instrument ID: HP5973-3 Calibration Date: 05/30/13 Time: 11:21

Lab File ID: 3\J10657.D Init. Calib. Date(s): 01/22/13 01/22/13

EPA Sample No.(VSTD050##): VSTD050 Init. Calib. Times: 13:06 16:27

Heated Purge: (Y/N) N

GC Column: Rtx-624 ID: .18 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	2.470	2.119		-14.2	
Chloromethane	2.324	2.405	0.100	3.5	
Vinyl chloride	2.792	2.616		-6.3	20.0
Bromomethane	1.424	1.041		-26.9	
Chloroethane	1.716	1.544		-10.0	
Trichlorofluoromethane	3.601	2.732		-24.1	
1,1-Dichloroethene	1.770	2.077		17.3	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.910	2.157		12.9	
Acetone	0.372	0.450		20.9	
Carbon disulfide	5.298	6.953		31.2	
Methyl Acetate	1.065	1.206		13.2	
Methylene chloride	2.178	2.486		14.1	
trans-1,2-Dichloroethene	1.982	2.363		19.2	
Methyl tert-butyl ether	5.514	6.208		12.6	
1,1-Dichloroethane	3.580	4.322	0.100	20.7	
cis-1,2-Dichloroethene	2.145	2.549		18.9	
2-Butanone	0.568	0.690		21.6	
Chloroform	3.589	4.050		12.9	20.0
1,1,1-Trichloroethane	0.458	0.485		5.9	
Cyclohexane	0.528	0.629		19.2	
Carbon tetrachloride	0.357	0.411		15.0	
Benzene	1.313	1.418		8.0	
1,2-Dichloroethane	2.808	3.029		7.9	
Trichloroethene	0.318	0.326		2.7	
Methylcyclohexane	0.600	0.690		15.0	
1,2-Dichloropropane	0.320	0.356		11.1	20.0
Bromodichloromethane	0.372	0.423		13.9	
cis-1,3-Dichloropropene	0.462	0.552		19.5	
4-Methyl-2-pentanone	0.224	0.231		3.2	
Toluene	0.896	0.928		3.5	20.0
trans-1,3-Dichloropropene	0.435	0.500		15.0	
1,1,2-Trichloroethane	0.273	0.274		0.3	
Tetrachloroethene	0.273	0.269		-1.6	
2-Hexanone	0.134	0.147		9.6	
Dibromochloromethane	0.238	0.280		17.6	

All other compounds must meet a minimum RRF of 0.010.

URS155 V129

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS155

Lab File ID: A\A78804.D BFB Injection Date: 05/28/13

Instrument ID: HP5971 BFB Injection Time: 16:46

GC Column: Rtx-624 ID: .18 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.5
75	30.0 - 60.0% of mass 95	43.5
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	75.2
175	5.0 - 9.0% of mass 174	5.2 (7.0)1
176	95.0 - 101.0% of mass 174	73.3 (97.4)1
177	5.0 - 9.0% of mass 176	4.8 (6.6)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050	VSTD050	A\A78805.D	05/28/13	18:09
02	VBLK052813	VBLK052813	A\A78806.D	05/28/13	18:45
03	LFB052813	LFB052813	A\A78807.D	05/28/13	19:15
04	SS-4	1305D53-001A	A\A78816.D	05/28/13	23:49
05	SS-4MS	1305D53-001AMS	A\A78817.D	05/29/13	0:19
06	SS-4MSD	1305D53-001AMSD	A\A78818.D	05/29/13	0:50
07	SS-4 DUP	1305D53-002A	A\A78819.D	05/29/13	1:20
08	SS-6 DUP	1305D53-003A	A\A78820.D	05/29/13	1:50

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS155

Instrument ID: HP5971 Calibration Date: 05/28/13 Time: 18:09

Lab File ID: A\A78805.D Init. Calib. Date(s): 05/15/13 05/16/13

EPA Sample No.(VSTD050##): VSTD050 Init. Calib. Times: 21:44 0:15

Heated Purge: (Y/N) Y

GC Column: Rtx-624 ID: .18 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	3.772	3.309		-12.3	
Chloromethane	4.002	4.186	0.100	4.6	
Vinyl chloride	3.770	4.080		8.2	20.0
Bromomethane	1.278	1.738		36.0	
Chloroethane	2.288	2.549		11.4	
Trichlorofluoromethane	3.685	4.201		14.0	
1,1-Dichloroethene	2.655	2.760		4.0	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	2.863	2.983		4.2	
Acetone	0.571	0.478		-16.3	
Carbon disulfide	10.049	10.853		8.0	
Methyl Acetate	1.824	1.556		-14.7	
Methylene chloride	3.622	4.034		11.4	
trans-1,2-Dichloroethene	3.072	3.280		6.8	
Methyl tert-butyl ether	6.141	6.671		8.6	
1,1-Dichloroethane	5.254	5.614	0.100	6.9	
cis-1,2-Dichloroethene	3.188	3.552		11.4	
2-Butanone	0.926	0.997		7.6	
Chloroform	4.878	5.577		14.3	20.0
1,1,1-Trichloroethane	0.562	0.585		4.1	
Cyclohexane	0.853	0.849		-0.5	
Carbon tetrachloride	0.482	0.489		1.5	
Benzene	1.801	1.878		4.3	
1,2-Dichloroethane	2.682	3.068		14.4	
Trichloroethene	0.477	0.511		7.2	
Methylcyclohexane	0.781	0.804		3.0	
1,2-Dichloropropane	0.452	0.493		9.0	20.0
Bromodichloromethane	0.504	0.570		13.0	
cis-1,3-Dichloropropene	0.642	0.740		15.3	
4-Methyl-2-pentanone	0.419	0.410		-2.2	
Toluene	2.129	2.018		-5.2	20.0
trans-1,3-Dichloropropene	0.540	0.619		14.7	
1,1,2-Trichloroethane	0.310	0.350		13.0	
Tetrachloroethene	0.430	0.412		-4.2	
2-Hexanone	0.256	0.267		4.2	
Dibromochloromethane	0.333	0.395		18.8	

All other compounds must meet a minimum RRF of 0.010.

URS155 V90

7B

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS155

Instrument ID: HP5971 Calibration Date: 05/28/13 Time: 18:09

Lab File ID: A\A78805.D Init. Calib. Date(s): 05/15/13 05/16/13

EPA Sample No.(VSTD050##): VSTD050 Init. Calib. Times: 21:44 0:15

Heated Purge: (Y/N) Y

GC Column: Rtx-624 ID: .18 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
1,2-Dibromoethane	0.373	0.377		1.2	
Chlorobenzene	1.370	1.303	0.300	-4.9	
Ethylbenzene	0.706	0.697		-1.3	20.0
Xylene (total)	0.839	0.796		-5.2	
Styrene	1.248	1.220		-2.3	
Bromoform	0.180	0.226	0.100	25.7	
Isopropylbenzene	2.151	2.015		-6.3	
1,1,2,2-Tetrachloroethane	0.436	0.429	0.300	-1.6	
1,3-Dichlorobenzene	0.893	0.922		3.2	
1,4-Dichlorobenzene	0.914	0.928		1.5	
1,2-Dichlorobenzene	0.801	0.803		0.2	
1,2-Dibromo-3-chloropropane	0.050	0.046		-7.9	
1,2,4-Trichlorobenzene	0.257	0.246		-4.3	

All other compounds must meet a minimum RRF of 0.010.

URS155 V91

H 2 M labs

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR SEMIVOLATILE ORGANICS
SAMPLES RECEIVED: 5/24/13
SDG #: URS155

For Sample(s):

SS-4
SS-4 DUP
SS-6 ~~DUP~~
RB-7

10/4/13

The above sample(s) and blank(s) was/were analyzed for a select list of base/neutral/acid extractables by EPA method 8270C.

All Q. C. data and calibrations met the requirements of the method unless discussed below, and no problems were encountered with sample analysis. The following should be noted:

All soil extracts were subjected to GPC cleanup.

Sample SS-4 was analyzed as the matrix spike/matrix spike duplicate 13 of 130 percent recoveries were outside of Q.C. limits. Four RPDs were outside Q.C. limits. Lab fortified blanks were analyzed. All percent recoveries were within Q.C. limits except for a 49% recovery for acenaphthene (lower limit 60%) in LFB 39949.

All CCC and SPCC calibration requirements were met. In the initial calibrations, average response factors were employed as applicable, and linear or quadratic regression functions were used for RSDs above 15%.

Four analytes had % RSD's greater than 15% and did not meet linear regression or quadratic requirements. The average response factor was utilized to quantify benzaldehyde, acetophenone, atrazine.

In the continuing calibration verifications (CCV) some compounds had %Ds above 15%. These compounds are noted on Form VII. Results for these analytes are flagged with a "Z" qualifier in the LFB and if found in the samples, indicating that they are regarded estimated.

The method blanks contained low levels of bis(2-ethylhexyl)phthalate and several unidentified TICs at low levels. All analytes found in the blanks were flagged with the qualifier "B" in the associated samples.

REVISED KV 03-Oct-13

URS155 S15

H 2 M labs

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR SEMIVOLATILE ORGANICS
SAMPLES RECEIVED: 5/24/13
SDG #: URS155

TICs identified as siloxanes are suspected to be column bleed from the analytical column and were flagged with the qualifier "X".

TICs identified as alkanes are listed on the TIC form I however are not counted in the number of TICs reported.

The surrogate standard 2,4,6-tribromophenol had low recoveries in samples SS-4, SS-4 DUP and SS-6 DUP.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: June 26, 2013

Date Revised: September 19, 2013

****
* *
* *
****
Joann M. Slavin
Senior Vice President

REVISED KV 03-Oct-13

URS155 S16

4B

EPA SAMPLE NO.

SEMIVOLATILE METHOD BLANK SUMMARY

MB-39949

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS155

Lab File ID: 3\N58578.D Lab Sample ID: MB-39949

Instrument ID: HP5973N Date Extracted: 06/02/13

Matrix: (soil/water) SOIL Date Analyzed: 06/10/13

Level: (low/med) LOW Time Analyzed: 15:13

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
1	LFB-39949	LFB-39949	3\N58579.D	6/10/2013
2	SS-4	1305D53-001B	3\N58589.D	6/10/2013
3	SS-4MS	1305D53-001BMS	3\N58590.D	6/10/2013
4	SS-4MSD	1305D53-001BMSD	3\N58591.D	6/10/2013
5	SS-4 DUP	1305D53-002B	3\N58592.D	6/10/2013
6	SS-6 DUP	1305D53-003B	3\N58593.D	6/10/2013

COMMENTS: _____

_____

1G

EPA SAMPLE NO.

MB-39949

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS155

Matrix: (soil/water) SOIL Lab Sample ID: MB-39949

Sample wt/vol: 15 (g/mL) g Lab File ID: 3\N58578.D

Level: (low/med) LOW Date Received:

% Moisture: Decanted:(Y/N) N Date Extracted: 06/02/13

Concentrated Extract Volume: 500 (µl) Date Analyzed: 06/10/13

Injection Volume: 2 (µl) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: Extraction: (Type) PFEX

CONCENTRATION UNITS:

Number TICs found: 7 (µg/L or µg/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	3102-33-8	3-Penten-2-one, (E)-	3.04	210	AJN
2.	141-79-7	3-Penten-2-one, 4-methyl-	3.47	2000	AJN
3.	4161-60-8	2-Pentanone, 4-hydroxy-	3.74	2700	AJN
4.	123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.91	120000	AJN
5.		unknown (4.32)	4.32	1700	J
6.		unknown (4.44)	4.44	160	J
7.		unknown (6.29)	6.29	310	J

URS155 B216

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS155

Lab File ID: 3\N58429.D DFTPP Injection Date: 06/04/13

Instrument ID: HP5973N DFTPP Injection Time: 11:21

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	34.7
68	Less than 2% of mass 69	0.2 (0.5)1
69	Mass 69 relative abundance	43.4
70	Less than 2% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	51.1
197	Less than 1% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5.0 - 9.0% of mass 198	7.0
275	10.0 - 30.0% of mass 198	21.0
365	Greater than 1% of mass 198	2.2
441	Present, but less than mass 443	18.3
442	40.0 - 110.0% of mass 198	95.8
443	17.0 - 23.0% of mass 442	18.7 (19.5)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD025	SSTD025	3\N58430.D	06/04/13	11:41
02	MB-39871	MB-39871	3\N58431.D	06/04/13	12:11
03	LFB-39871	LFB-39871	3\N58432.D	06/04/13	12:42
04	RB-7	1305D53-004B	3\N58434.D	06/04/13	13:42

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS155

Instrument ID: HP5973N Calibration Date: 6/4/2013 Time: 11:41

Lab File ID: 3\N58430.D Init. Calib. Date(s): 05/10/13 05/10/13

EPA Sample No.(SSTD050##): SSTD025 Init. Calib. Times: 10:26 14:18

GC Column: Rxi-5SILMS ID: 0.25 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Benzaldehyde	0.917	0.372		-59.4	
Phenol	2.202	2.188		-0.7	20.0
Bis(2-chloroethyl)ether	1.782	1.565		-12.2	
2-Chlorophenol	1.557	1.448		-7.0	
2-Methylphenol	1.403	1.276		-9.1	
2,2'-oxybis(1-chloropropane)	2.507	1.907		-23.9	
Acetophenone	2.942	2.076		-29.4	
4-Methylphenol	1.563	1.400		-10.4	
N-Nitroso-di-n-propylamine	1.223	1.017	0.050	-16.8	
Hexachloroethane	0.693	0.630		-9.1	
Nitrobenzene	0.447	0.388		-13.2	
Isophorone	0.781	0.708		-9.3	
2-Nitrophenol	0.201	0.215		7.2	20.0
2,4-Dimethylphenol	0.369	0.357		-3.1	
Bis(2-chloroethoxy)methane	0.493	0.467		-5.2	
2,4-Dichlorophenol	0.267	0.297		11.1	20.0
Naphthalene	1.120	1.121		0.1	
4-Chloroaniline	0.443	0.462		4.4	
Hexachlorobutadiene	0.170	0.174		2.1	20.0
Caprolactam	0.113	0.117		3.9	
4-Chloro-3-methylphenol	0.289	0.283		-2.1	20.0
2-Methylnaphthalene	0.715	0.739		3.3	
Hexachlorocyclopentadiene	0.314	0.220	0.050	-30.0	
2,4,6-Trichlorophenol	0.335	0.343		2.4	20.0
2,4,5-Trichlorophenol	0.318	0.341		7.2	
1,1'-Biphenyl	1.529	1.618		5.8	
2-Chloronaphthalene	1.220	1.287		5.5	
2-Nitroaniline	0.360	0.306		-14.9	
Dimethylphthalate	1.223	1.228		0.4	
2,6-Dinitrotoluene	0.291	0.300		3.0	
Acenaphthylene	1.892	1.922		1.6	
3-Nitroaniline	0.296	0.334		12.8	
Acenaphthene	1.243	1.262		1.5	20.0
2,4-Dinitrophenol	0.132	0.137	0.050	4.1	
4-Nitrophenol	0.121	0.116	0.050	-4.2	
Dibenzofuran	1.582	1.612		1.9	
2,4-Dinitrotoluene	0.369	0.379		2.8	
Diethylphthalate	1.231	1.179		-4.2	

All other compounds must meet a minimum RRF of 0.010.

URS155 B176

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS155

Lab File ID: 3\N58570.D DFTPP Injection Date: 06/10/13

Instrument ID: HP5973N DFTPP Injection Time: 11:23

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	30.5
68	Less than 2% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	38.0
70	Less than 2% of mass 69	0.2 (0.4)1
127	40.0 - 60.0% of mass 198	49.0
197	Less than 1% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5.0 - 9.0% of mass 198	7.3
275	10.0 - 30.0% of mass 198	22.9
365	Greater than 1% of mass 198	2.8
441	Present, but less than mass 443	19.4
442	40.0 - 110.0% of mass 198	106.3
443	17.0 - 23.0% of mass 442	20.5 (19.3)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD025	SSTD025	3\N58571.D	06/10/13	11:43
02	MB-39949	MB-39949	3\N58578.D	06/10/13	15:13
03	LFB-39949	LFB-39949	3\N58579.D	06/10/13	15:44
04	SS-4	1305D53-001B	3\N58589.D	06/10/13	20:52
05	SS-4MS	1305D53-001BMS	3\N58590.D	06/10/13	21:22
06	SS-4MSD	1305D53-001BMSD	3\N58591.D	06/10/13	21:53
07	SS-4 DUP	1305D53-002B	3\N58592.D	06/10/13	22:24
08	SS-6 DUP	1305D53-003B	3\N58593.D	06/10/13	22:55

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS155

Instrument ID: HP5973N Calibration Date: 6/10/201 Time: 11:43

Lab File ID: 3\N58571.D Init. Calib. Date(s): 05/10/13 05/10/13

EPA Sample No.(SSTD050##): SSTD025 Init. Calib. Times: 10:26 14:18

GC Column: Rxi-5SILMS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Benzaldehyde	0.917	0.323		-64.8	
Phenol	2.202	2.151		-2.3	20.0
Bis(2-chloroethyl)ether	1.782	1.536		-13.8	
2-Chlorophenol	1.557	1.461		-6.2	
2-Methylphenol	1.403	1.379		-1.7	
2,2'-oxybis(1-chloropropane)	2.507	1.771		-29.4	
Acetophenone	2.942	2.065		-29.8	
4-Methylphenol	1.563	1.487		-4.9	
N-Nitroso-di-n-propylamine	1.223	0.969	0.050	-20.8	
Hexachloroethane	0.693	0.638		-7.9	
Nitrobenzene	0.447	0.375		-16.1	
Isophorone	0.781	0.691		-11.5	
2-Nitrophenol	0.201	0.216		7.7	20.0
2,4-Dimethylphenol	0.369	0.291		-21.0	
Bis(2-chloroethoxy)methane	0.493	0.463		-6.0	
2,4-Dichlorophenol	0.267	0.299		11.9	20.0
Naphthalene	1.120	1.113		-0.6	
4-Chloroaniline	0.443	0.458		3.5	
Hexachlorobutadiene	0.170	0.178		4.5	20.0
Caprolactam	0.113	0.112		-0.5	
4-Chloro-3-methylphenol	0.289	0.278		-3.9	20.0
2-Methylnaphthalene	0.715	0.736		2.9	
Hexachlorocyclopentadiene	0.314	0.200	0.050	-36.3	
2,4,6-Trichlorophenol	0.335	0.352		5.1	20.0
2,4,5-Trichlorophenol	0.318	0.340		6.9	
1,1'-Biphenyl	1.529	1.633		6.8	
2-Chloronaphthalene	1.220	1.287		5.5	
2-Nitroaniline	0.360	0.302		-16.0	
Dimethylphthalate	1.223	1.263		3.3	
2,6-Dinitrotoluene	0.291	0.297		2.0	
Acenaphthylene	1.892	1.926		1.8	
3-Nitroaniline	0.296	0.338		14.1	
Acenaphthene	1.243	1.256		1.1	20.0
2,4-Dinitrophenol	0.132	0.128	0.050	-2.7	
4-Nitrophenol	0.121	0.117	0.050	-3.4	
Dibenzofuran	1.582	1.627		2.9	
2,4-Dinitrotoluene	0.369	0.385		4.4	
Diethylphthalate	1.231	1.228		-0.3	

All other compounds must meet a minimum RRF of 0.010.

URS155 B184

H 2 M labs

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR ORGANOPHOSPHOROUS PESTICIDES
SAMPLES RECEIVED: 5/24/13
SDG #: URS155

For Sample(s):

SS-4
SS-4 DUP
SS-6 ~~DUP~~
RB-7 9/13/13

The above soil sample(s) and blank(s) was/were analyzed for organophosphorous pesticides by EPA method 8141A.

All Q. C. data and calibrations met the requirements of the method unless discussed below, and no problems were encountered with sample analysis. The following should be noted:

Sample SS-4 was analyzed as the matrix spike/matrix spike duplicate (MS/MSD). All percent recoveries and RPDs were met. A lab fortified blank (LFB) was analyzed, and recoveries indicate good method efficiency.

Positives were confirmed by reanalysis on a dissimilar analytical column.

Linear calibration was used for all analytes. In the continuing calibration verification US11907, dimethoate exceeded the variability criterion of a percent difference of 15%. Results for this analyte is regarded estimated in the affected analyses. The compound was not found in the samples, but the recoveries in the MS/MSD and LFB may be biased high.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: July 1, 2013

****
* Middel *
****
Ursula Middel
Technical Manager

URS155 A6

H 2 M labs

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR PESTICIDES/PCBS ANALYSIS
SAMPLES RECEIVED: 5/24/13
SDG #: URS155

For Sample(s):

SS-4	SS-6 ~~DUP~~	9/13/13
SS-4 DUP	RB-7	

The above soil sample(s) and blank(s) was/were analyzed for pesticides and aroclors by methods 8081A and 8082 in accordance with the NYSDEC ASP, Rev. 7/2005 and reported with the requested deliverables.

All Q. C. data and calibrations met the requirements of the protocol, unless discussed below. No problems were encountered with sample analysis. The following should be noted:

The soil extracts were subjected to GPC cleanup. The final concentrates of all extracts were split and analyzed separately for pesticides and PCBs. The aliquots for aroclor analysis were cleaned up with sulfuric acid. These aliquots for aroclors analysis are reported with an "A" suffix.

Sample SS-4 was submitted for matrix spike/ matrix spike duplicate (MS/MSD). All data are within the Q. C. limits with the following exceptions: Endrin aldehyde recovery is low in the MS extract and 3 RPDs exceed the limits. Lab fortified blanks (LFB) for the single peak pesticides mix, aroclors and toxaphene were analyzed, and recoveries indicate good method efficiency.

The continuous calibrations for aroclors on 6/5/13 showed slightly high response for AR1016. The compliant column was used for reporting LFB-39932A.

In the continuing calibration verification (CCV) in sequence 6/4/13, eight compounds exceeded the variability criterion of a percent difference of 15% on both columns in the CCV INDAB10. These compounds were not found in the affected samples, but the reported concentrations for these analytes in LFB 39946 are regarded estimated.

Positives are reported to the practical detection limits (PQL) of ½ of the reporting limits.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: July 9, 2013

****
* Middel *
****
Ursula Middel
Technical Manager

URS155 A7

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

SS-4

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS155

Lab Sample ID: 1305d53-001b Date(s) Analyzed: 6/5/2013 6/5/2013

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
beta-BHC	1	4.19	4.17	4.23	2.5	
	2	3.53	3.53	3.59	1.1	127.3

URS155 P167

H2M labs

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR HERBICIDES ANALYSES
SAMPLES RECEIVED: 5/24/13
SDG #: URS155

For Sample(s):

SS-4	SS-6 DUP
SS-4 DUP	RB-7

8/14/13

The above soil sample(s) and blank(s) was/were analyzed for herbicides by EPA method 8151A. Picloram, dinoseb and 2,4-DB have been added to the originally reported list of herbicides. Please note that ELAP / NELAC does not offer certification for picloram.

All Q. C. data and calibrations met the requirements of the method unless discussed below, and no problems were encountered with sample analysis. The following should be noted:

Sample SS-4 was submitted for matrix spike / matrix spike duplicate (MS/MSD) analysis. Recoveries were all within control limits, but the RSD for the 2,4-D result was above the Q. C. limit. All results for two lab fortified blanks met control limits, but low recovery for picloram was obtained in lfb-39909. The MS and MSD were extracted in the same batch and results indicate good preparation efficiency. Compounds in sample SS-4 extracted in the batch can be assumed to also have been recovered well based on comparison of the surrogate recoveries which matched those of the MSD/MSD.

In the continuing calibration verification CCV815135 (CCV), the variability criterion of a percent difference of 15% was exceeded on column RTX-CLP for dinoseb. The compound was reported from the compliant column RTX-CLP2 in lfb- 39868.

Positives are reported to the practical detection limits of ½ of the reporting limits.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: June 28, 2013

Date Revised: August 29, 2013

****
* Middel *
****
Ursula Middel
Technical Manager

REVISED DKG 9-03-13

URS155 A8

3A

SYSTEM MONITORING SPIKE RECOVERY

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No.: URS SAS No.: SDG No.: URS155

Sample ID lfb-39909 Level:(low/med) LOW

Column ID CLP Column Diam .32

Inst. ID HP6890-1 Init. Calib. Date(s): 05/16/13 19:31

Analysis Date: 06/02/13 12:53 05/16/13 20:34

COMPOUND	SPIKE ADDED (µg/Kg)	SAMPLE CONCENTRATION (µg/Kg)	SPIKE CONCENTRATION (µg/Kg)	SPIKE % REC #	QC. LIMITS REC.
Picloram	20	0	2.5	12*	40-140
Dicamba	20	0	10	50	16-136
2,4-D	40	0	14	36	25-157
2,4,5-TP (Silvex)	20	0	12	58	12-146
2,4,5-T	20	0	6.3	31	16-136
Dinoseb	40	0	17	43	10-121
2,4-DB	160	0	110	66	10-131

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 1 out of 7 outside limits

COMMENTS:

Revised CLG Sep-03-13

URS155 H7

H2M LABS INC

PREP BATCH REPORT

Prep Start Date: **5/30/2013 10:26:41**
Prep End Date: **5/31/2013 8:15:45 P**

Prep Batch ID: **39909** Prep Code: **8151PR_S** Technician: **Henry Barrera**

Prep Factor Units: **mL / g**

Initial Temp: **°C** Final Temp **°C**

Sample ID	ClientSampleID	Matrix	pH1	pH2	SampAmt	Fin Vol	factor	GPC	Acid	Sulfur	Florisil	PrepStart	PrepEnd
MB-39909		Soil			25	5	0.200	☐	☐	☐	☐	5/30/2013	5/31/2013
1305D53-001B	SS-4	Soil			25.01	5	0.200	☐	☐	☐	☐	5/30/2013	5/31/2013
1305D53-001BMS		Soil			25.14	5	0.199	☐	☐	☐	☐	5/30/2013	5/31/2013
1305D53-001BMSD		Soil			25.22	5	0.198	☐	☐	☐	☐	5/30/2013	5/31/2013
1305C62-006B	SB-7 (18-20)	Soil			25.19	5	0.198	☐	☐	☐	☐	5/30/2013	5/31/2013
1305C62-007B	SS-1	Soil			25.09	5	0.199	☐	☐	☐	☐	5/30/2013	5/31/2013
1305C62-008B	SS-2	Soil			25.01	5	0.200	☐	☐	☐	☐	5/30/2013	5/31/2013
1305C62-009B	SB-5 (0-0.5)	Soil			25.02	5	0.200	☐	☐	☐	☐	5/30/2013	5/31/2013
1305C62-010B	SB-4 (0-0.5)	Soil			25.19	5	0.198	☐	☐	☐	☐	5/30/2013	5/31/2013
1305C62-011B	SB-7 (0-0.5)	Soil			25.14	5	0.199	☐	☐	☐	☐	5/30/2013	5/31/2013
1305C62-012B	SB-3 (0-0.5)	Soil			25.23	5	0.198	☐	☐	☐	☐	5/30/2013	5/31/2013
1305C62-013B	SB-2 (0-0.5)	Soil			25.17	5	0.199	☐	☐	☐	☐	5/30/2013	5/31/2013
1305C62-014B	SB-1 (0-0.5)	Soil			25.09	5	0.199	☐	☐	☐	☐	5/30/2013	5/31/2013
1305C62-015B	SB-6 (0-0.5)	Soil			25.01	5	0.200	☐	☐	☐	☐	5/30/2013	5/31/2013
1305C62-016B	SS-3	Soil			25.34	5	0.197	☐	☐	☐	☐	5/30/2013	5/31/2013
1305C62-017B	SS-4	Soil			25.04	5	0.200	☐	☐	☐	☐	5/30/2013	5/31/2013
LFB-39909		Soil			25	5	0.200	☐	☐	☐	☐	5/30/2013	5/31/2013

Type	Chemical / Reagent ID	Chemical / Reagent Name	Container#	Container I	Amount Added	Unit
Chemical	42	Silica Gel	157	Container-01 of 01	1	g
Reagent	230	12M H2SO4 051613	262	Container-01 of 01	5	mL

Cleanups:
GPC = Method EPA3640A
Acid = Method EPA3665A
Sulfur= Method EPA3660B
Florisil = Method-EPA3620B

URS155 H297 Revised CLG Sep-03-13

3F

SOIL HERBICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No.: URS SAS No.: SDG No.: URS155

Matrix Spike - EPA Sample No.: SS-4

COMPOUND	SPIKE ADDED (µg/Kg)	SAMPLE CONCENTRATION (µg/Kg)	MS CONCENTRATION (µg/Kg)	MS % REC #	QC. LIMITS REC.
Picloram	22	0	14	61	40-140
Dicamba	22	0	20	88	16-136
2,4-D	45	0	22 (.2	50 (45)	25-157
2,4,5-TP (Silvex)	22	0	20	90	12-146
2,4,5-T	22	0	20	88	16-136
Dinoseb	45	0	19	42	10-121
2,4-DB	180	11	160	83	40-160

COMPOUND	SPIKE ADDED (µg/Kg)	MSD CONCENTRATION (µg/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Picloram	22	13	59	3	40	40-140
Dicamba	22	18	81	8	40	16-136
2,4-D	44	37	82	48* 51*	40	25-157
2,4,5-TP (Silvex)	22	19	87	3	40	12-146
2,4,5-T	22	18	80	10	40	16-136
Dinoseb	44	16	37	13	40	10-121
2,4-DB	180	150	77	8	40	40-160

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 1 out of 7 outside limits

Spike Recovery: 0 out of 14 outside limits

COMMENTS:

FORM III HERB-2

Revised CLG Sep-03-13

URS155 H5

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

SS-4

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS155

Lab Sample ID: 1305D53-001B Date(s) Analyzed: 06/02/13 06/02/13

Instrument ID (1): HP6890-1 Instrument ID (2): HP6890-1

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
2,4-DB	1	7.00	6.96	7.02	32	
	2	7.04	7.01	7.07	11	200.0

Revised CLG Sep-03-13

URS155 H77

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

SS-4 DUP

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS155

Lab Sample ID: 1305D53-002B Date(s) Analyzed: 6/3/2013 6/3/2013

Instrument ID (1): HP6890-1 Instrument ID (2): HP6890-1

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
2,4-DB	1	7.00	6.96	7.02	12.4	100
	2	7.04	7.01	7.07	6.2	0

JB 8/20/13

URS155 H78 Revised CLG Sep-03-13

H2M labs
575 Broad Hollow Road
Melville, NY 11747
tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR METALS ANALYSES
SAMPLE(S) RECEIVED: 5/24/13
SDG #: URS155

For Sample(s):

SS-4
SS-4 DUP
SS-6 ~~DUP~~
RB-7

10/4/13

The above sample(s) was/were received by H2M Labs, Inc. for TAL metals analysis.

Samples were prepared and analyzed by 6010B with a TS ICAP 6000 instrument and methods 7470A/7471A with a Leeman HYDRA mercury analyzer.

Sample SS-4 was utilized for Q.C. analysis and reporting.

Spike analysis did not recover within 75-125% for iron and lead. Since the sample values were greater than four times the spike concentrations, post spikes and data qualifiers were not required.

Spike analysis did not meet acceptance criteria for manganese. The sample was post spiked, reanalyzed and recovered at 95.0%. Manganese data was reported flagged "N" on forms 1 and 5A.

Duplicate analysis did not meet acceptance criteria for chromium, copper, lead and magnesium. Associated data were reported flagged "*" on forms 1 and 6.

No other issues were noted during the analysis of this sample group.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: June 27, 2013

****
* *
* *
****

Vincent Stancampiano
Vice President

URS155 A9

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO
SS-4S

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No. SAS No.: SDG No.: URS155

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 89.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony	75-125	107.9451		0.5439	B	112.08	95.8		P
Arsenic	75-125	10.8819		2.9500		8.97	88.5		P
Barium	75-125	470.6275		34.1959		448.32	97.3		P
Beryllium	75-125	12.1608		0.3923	B	11.21	105.0		P
Cadmium	75-125	10.7037		0.0112	U	11.21	95.5		P
Chromium	75-125	58.3269		12.5418		44.83	102.1		P
Cobalt	75-125	118.9178		5.5592	B	112.08	101.1		P
Copper	75-125	64.0206		6.6800		56.04	102.3		P
Iron		15489.5747		15904.2735		224.16	-185.0		P
Lead		18.5270		18.8072		4.48	-6.3		P
Manganese	75-125	271.1236		279.7538		112.08	-7.7	N	P
Mercury	75-125	0.2092		0.0514		0.19	84.5		CV
Nickel	75-125	122.3923		7.9465		112.08	102.1		P
Selenium	75-125	1.9816		0.2578	U	2.24	88.4		P
Silver	75-125	11.3650		0.0224	U	11.21	101.4		P
Thallium	75-125	11.5107		0.2130	U	11.21	102.7		P
Vanadium	75-125	133.2641		20.1858		112.08	100.9		P
Zinc	75-125	150.4125		41.0216		112.08	97.6		P

Comments:

URS155 M39

U.S. EPA - CLP

6
DUPLICATES

EPA SAMPLE NO
SS-4

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No. SAS No.: SDG No.: URS155

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 89.2 % Solids for Duplicate: 87.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		9344.1817		10783.2996		14.3		P
Antimony	6.7249	0.5439	B	0.5934	B	8.7		P
Arsenic	1.1208	2.9500		2.6406		11.1		P
Barium	22.4162	34.1959		37.3229		8.7		P
Beryllium	0.5604	0.3923	B	0.4932	B	22.8		P
Cadmium		0.0112	U	0.0112	U			P
Calcium	560.4043	1663.2800		1704.7499		2.5		P
Chromium		12.5418		17.2380		31.5	*	P
Cobalt	5.6040	5.5592	B	5.1781	B	7.1		P
Copper	2.8020	6.6800		10.8831		47.9	*	P
Iron		15904.2735		18852.0005		17.0		P
Lead		18.8072		10.2868		58.6	*	P
Magnesium	560.4043	1933.3949		3193.1837		49.1	*	P
Manganese		279.7538		239.9651		15.3		P
Mercury	0.0374	0.0514		0.0458		11.5		CV
Nickel	4.4832	7.9465		12.0599		41.1		P
Potassium	560.4043	464.0148	B	533.1687	B	13.9		P
Selenium		0.2578	U	0.2578	U			P
Silver		0.0224	U	0.0224	U			P
Sodium		141.3676	U	141.3676	U			P
Thallium		0.2130	U	0.2130	U			P
Vanadium	5.6040	20.1858		20.6005		2.0		P
Zinc		41.0216		46.9058		13.4		P

URS155 M41

pH strips (10BDH0431) ≤2 3 9 ≥12 URS155/156
Free Cl2 strips(041912C)Present/Absent
Lot#

CHAIN OF CUSTODY RECORD

URS

PROJECT NO. 11176892.00002 | SITE NAME Old Agway

SAMPLERS (PRINT/SIGNATURE) Tim Burmaer/Rachel Cicigline

LAB HZM

COOLER 1 of 2

PAGE 1 of 2

DELIVERY SERVICE: Fedex AIRBILL NO.:

LOCATION IDENTIFIER	DATE	TIME	COMP/ GRAB	SAMPLE ID	MATRIX	TOTAL NO. OF CONTAINERS	TCL VOCs 40z Amber	TAL METALS 8oz Amber	PEST HERB/ PCBs/ SVOCs 8oz Amber	URS155	REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO.# (IRPIMS ONLY)
SS4	5/23/13	0815	G	SS4 MSD	SO	4	1	2	1	1305D53-001	Spike Dup	SD			
SS4	5/23/13	0815	G	SS4 MS	SO	4	1	2	1	-↓	Matrix Spike	MS			
SS4	5/23/13	0815	G	SS4 Dup	SO	4	1	2	1	-002	Duplicate	FR			
SS6	5/23/13	0820	G	SS6 Dup	SO	4	1	2	1	-003	Duplicate	FR			
HA3	5/23/13	0900	G	HA-3(1-1.5)	SO	4	1	2	1	1305D54-001	Hand Auger	N	1	1.5	
HA4	5/23/13	1005	G	HA-4(1-1.5)	SO	4	1	2	1	-002		N			
HA5	5/23/13	1050	G	HA-5(1-1.5)	SO	4	1	2	1	-003		N			
HA3	5/23/13	0900	G	HA3(1-1.5)MS	SO	4	1	2	1	-001	Matrix Spike MS	N	1	1.5	
HA3	5/23/13	0900	G	HA3(1-1.5)MSD	SO	4	1	2	1	-↓	Spike Dup SD	N	1	1.5	
HA3	5/23/13	0900	G	HA3(1-1.5)DUP	SO	4	1	2	1	-004	Duplicate FR	N	1	1.5	
HA3	5/23/13	0930	G	HA3(3-3.5)	SO	4	1	2	1	-005	Hand Auger	N	3	3.5	
HA4	5/23/13	1020	G	HA4(3-3.5)	SO	4	1	2	1	-006		N	3	3.5	
HA5	5/23/13	1115	G	HA5(3-3.5)	SO	4	1	2	1	-007		N	3	3.5	

MATRIX CODES: AA - AMBIENT AIR; SE - SEDIMENT; SH - HAZARDOUS SOLID WASTE; SL - SLUDGE; WP - DRINKING WATER; WW - WASTE WATER; WG - GROUND WATER; SO - SOIL; DC - DRILL CUTTINGS; WL - LEACHATE; GS - SOIL GAS; WC - DRILLING WATER; WO - OCEAN WATER; WS - SURFACE WATER; WQ - WATER FIELD QC; LH - HAZARDOUS LIQUID WASTE; LF - FLOATING/FREE PRODUCT ON GW TABLE

SAMPLE TYPE CODES: TB# - TRIP BLANK; SD# - MATRIX SPIKE DUPLICATE; RB# - RINSE BLANK; FR# - FIELD REPLICATE; N# - NORMAL ENVIRONMENTAL SAMPLE; MS# - MATRIX SPIKE; (# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
	5/23/13	17:30		5/24/13	10:00
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME
	5/24/13	10:00		5-24-13	10:00

SPECIAL INSTRUCTIONS: For questions Contact George Kisluk 716-856-5636

Distribution: Original accompanies shipment, copy to coordinator field files

URSF-075C/1 OF 1/CdCR/GCM

URS156 A12

Custody Seal Present

H2M labs

H2M LABS INC
575 Broad Hollow Rd.
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.h2mlabs.com

URS156

Sample Receipt Checklist

Client Name **URS** Date and Time Received: **5/24/2013 10:00:00 AM**

Work Order Number: **1305D54** RcptNo: **1** Received by **MelissaWatson**

Completed by: M. Wat Reviewed by:

Completed Date: 5/28/2013 Reviewed Date: 5/30/2013 12:31:56 PM

Carrier name: FedEx

Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Are matrices correctly identified on Chain of custody?	Yes ☑	No ☐		
Is it clear what analyses were requested?	Yes ☑	No ☐		
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present	☑
Samples in proper container/bottle?	Yes ☑	No ☐		
Were correct preservatives used and noted?	Yes ☑	No ☐	NA	☐
Preservative added to bottles:				
Sample Condition?	Intact ☑	Broken ☐	Leaking	☐
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
Were container labels complete (ID, Pres, Date)?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Was an attempt made to cool the samples?	Yes ☑	No ☐	NA	☐
All samples received at a temp. of > 0° C to 6.0° C?	Yes ☐	No ☑	NA	☐
Response when temperature is outside of range:				
Sample Temp. taken and recorded upon receipt?	Yes ☑	No ☐	4.5 To 11.9 °	
Water - Were bubbles absent in VOC vials?	Yes ☐	No ☐	No Vials	☑
Water - Was there Chlorine Present?	Yes ☐	No ☐	NA	☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	No Water	☑
Are Samples considered acceptable?	Yes ☑	No ☐		
Custody Seals present?	Yes ☑	No ☐		
Airbill or Sticker?	Air Bil ☑	Sticker ☐	Not Present	☐
Airbill No:	8028 4059 9569; 8028 4059 9396			

Case Number: SDG: URS156 SAS:

Any No response should be detailed in the comments section below, if applicable.

Client Contacted? ☐ Yes ☑ No Person Contacted:

Contact Mode: ☐ Phone: ☐ Fax: ☐ Email: ☐ In Person:

Client Instructions:

Date Contacted: Contacted By:

Regarding:

Comments:

The samples were chilled but the temperature upon receipt was greater than 6 degrees Celsius.

CorrectiveAction:

URS156 A13

H 2 M labs

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR VOLATILE ORGANICS
SAMPLES RECEIVED: 5/24/13
SDG #: URS156

For Sample(s):

HA-3 (1-1.5)
HA-4 (1-1.5)
HA-5 (1-1.5)
HA-3 (1-1.5) DUP
HA-3 (3-3.5)
HA-4 (3-3.5)
HA-5 (3-3.5)

The above sample(s) and blank(s) was/were analyzed for a select list of volatile organic analytes by EPA method 8260B.

All Q. C. data and calibrations met the requirements of the method unless discussed below, and no problems were encountered with sample analysis. The following should be noted:

Sample HA-3 (1-1.5) was analyzed as the matrix spike / matrix spike duplicate (MS/MSD). Ten out of 96 analytes had % recoveries outside of the Q.C. limits. Lab fortified blanks were analyzed and indicate good method efficiency.

The method blank of 5/31/13 had 2µg/kg of methylene chloride. This analyte was flagged with a "B" qualifier if present in samples associated with this blank.

Linear responses with average RFs or linear or quadratic regression calibration were used as required.

In the continuing calibration verifications (CCVs), some compounds exceeded the variability criterion for 8260B of %D of 15%. These compounds are noted on Form VII. Results for these analytes are regarded estimated and are flagged with a "Z" qualifier in the LFB and if found in samples associated with that continuous calibration.

Samples were collected as bulk samples and may be biased low.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: June 24, 2013

****
* *
* *
****

Joann M. Slavin
Senior Vice President

URS156 A3

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS156

Lab File ID: A\A78804.D BFB Injection Date: 05/28/13

Instrument ID: HP5971 BFB Injection Time: 16:46

GC Column: Rtx-624 ID: .18 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.5
75	30.0 - 60.0% of mass 95	43.5
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	75.2
175	5.0 - 9.0% of mass 174	5.2 (7.0)1
176	95.0 - 101.0% of mass 174	73.3 (97.4)1
177	5.0 - 9.0% of mass 176	4.8 (6.6)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050	VSTD050	A\A78805.D	05/28/13	18:09
02	VBLK052813	VBLK052813	A\A78806.D	05/28/13	18:45
03	LFB052813	LFB052813	A\A78807.D	05/28/13	19:15
04	HA-4 (1-1.5)	1305D54-002A	A\A78821.D	05/29/13	2:20
05	HA-5 (1-1.5)	1305D54-003A	A\A78822.D	05/29/13	2:51
06	HA-3 (1-1.5) DUP	1305D54-004A	A\A78823.D	05/29/13	3:21
07	HA-3 (3-3.5)	1305D54-005A	A\A78824.D	05/29/13	3:51
08	HA-4 (3-3.5)	1305D54-006A	A\A78825.D	05/29/13	4:22

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS156

Instrument ID: HP5971 Calibration Date: 05/28/13 Time: 18:09

Lab File ID: A\A78805.D Init. Calib. Date(s): 05/15/13 05/16/13

EPA Sample No.(VSTD050##): VSTD050 Init. Calib. Times: 21:44 0:15

Heated Purge: (Y/N) Y

GC Column: Rtx-624 ID: .18 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	3.772	3.309		-12.3	
Chloromethane	4.002	4.186	0.100	4.6	
Vinyl chloride	3.770	4.080		8.2	20.0
Bromomethane	1.278	1.738		36.0	
Chloroethane	2.288	2.549		11.4	
Trichlorofluoromethane	3.685	4.201		14.0	
1,1-Dichloroethene	2.655	2.760		4.0	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	2.863	2.983		4.2	
Acetone	0.571	0.478		-16.3	
Carbon disulfide	10.049	10.853		8.0	
Methyl Acetate	1.824	1.556		-14.7	
Methylene chloride	3.622	4.034		11.4	
trans-1,2-Dichloroethene	3.072	3.280		6.8	
Methyl tert-butyl ether	6.141	6.671		8.6	
1,1-Dichloroethane	5.254	5.614	0.100	6.9	
cis-1,2-Dichloroethene	3.188	3.552		11.4	
2-Butanone	0.926	0.997		7.6	
Chloroform	4.878	5.577		14.3	20.0
1,1,1-Trichloroethane	0.562	0.585		4.1	
Cyclohexane	0.853	0.849		-0.5	
Carbon tetrachloride	0.482	0.489		1.5	
Benzene	1.801	1.878		4.3	
1,2-Dichloroethane	2.682	3.068		14.4	
Trichloroethene	0.477	0.511		7.2	
Methylcyclohexane	0.781	0.804		3.0	
1,2-Dichloropropane	0.452	0.493		9.0	20.0
Bromodichloromethane	0.504	0.570		13.0	
cis-1,3-Dichloropropene	0.642	0.740		15.3	
4-Methyl-2-pentanone	0.419	0.410		-2.2	
Toluene	2.129	2.018		-5.2	20.0
trans-1,3-Dichloropropene	0.540	0.619		14.7	
1,1,2-Trichloroethane	0.310	0.350		13.0	
Tetrachloroethene	0.430	0.412		-4.2	
2-Hexanone	0.256	0.267		4.2	
Dibromochloromethane	0.333	0.395		18.8	

All other compounds must meet a minimum RRF of 0.010.

URS156 V132

7B

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS156

Instrument ID: HP5971 Calibration Date: 05/28/13 Time: 18:09

Lab File ID: A\A78805.D Init. Calib. Date(s): 05/15/13 05/16/13

EPA Sample No.(VSTD050##): VSTD050 Init. Calib. Times: 21:44 0:15

Heated Purge: (Y/N) Y

GC Column: Rtx-624 ID: .18 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
1,2-Dibromoethane	0.373	0.377		1.2	
Chlorobenzene	1.370	1.303	0.300	-4.9	
Ethylbenzene	0.706	0.697		-1.3	20.0
Xylene (total)	0.839	0.796		-5.2	
Styrene	1.248	1.220		-2.3	
Bromoform	0.180	0.226	0.100	25.7	
Isopropylbenzene	2.151	2.015		-6.3	
1,1,2,2-Tetrachloroethane	0.436	0.429	0.300	-1.6	
1,3-Dichlorobenzene	0.893	0.922		3.2	
1,4-Dichlorobenzene	0.914	0.928		1.5	
1,2-Dichlorobenzene	0.801	0.803		0.2	
1,2-Dibromo-3-chloropropane	0.050	0.046		-7.9	
1,2,4-Trichlorobenzene	0.257	0.246		-4.3	

All other compounds must meet a minimum RRF of 0.010.

URS156 V133

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS156

Lab File ID: A\A78869.D BFB Injection Date: 05/31/13

Instrument ID: HP5971 BFB Injection Time: 18:10

GC Column: Rtx-624 ID: .18 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.3
75	30.0 - 60.0% of mass 95	43.8
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	68.3
175	5.0 - 9.0% of mass 174	4.6 (6.8)1
176	95.0 - 101.0% of mass 174	66.9 (97.9)1
177	5.0 - 9.0% of mass 176	4.2 (6.3)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050	VSTD050	A\A78871.D	05/31/13	19:12
02	VBLK053113	VBLK053113	A\A78872.D	05/31/13	19:44
03	LFB053113	LFB053113	A\A78873.D	05/31/13	20:15
04	HA-5 (3-3.5)	1305D54-007A	A\A78874.D	05/31/13	20:45
05	HA-3 (1-1.5)	1305D54-001A	A\A78875.D	05/31/13	21:16
06	HA-3 (1-1.5)MS	1305D54-001AMS	A\A78881.D	06/01/13	0:30
07	HA-3 (1-1.5)MSD	1305D54-001AMSD	A\A78882.D	06/01/13	1:01

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS156

Instrument ID: HP5971 Calibration Date: 05/31/13 Time: 19:12

Lab File ID: A\A78871.D Init. Calib. Date(s): 05/15/13 05/16/13

EPA Sample No.(VSTD050##): VSTD050 Init. Calib. Times: 21:44 0:15

Heated Purge: (Y/N) Y

GC Column: Rtx-624 ID: .18 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	3.772	2.112		-44.0	
Chloromethane	4.002	3.001	0.100	-25.0	
Vinyl chloride	3.770	3.122		-17.2	20.0
Bromomethane	1.278	1.267		-0.9	
Chloroethane	2.288	1.899		-17.0	
Trichlorofluoromethane	3.685	3.243		-12.0	
1,1-Dichloroethene	2.655	2.339		-11.9	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	2.863	2.461		-14.1	
Acetone	0.571	0.413		-27.7	
Carbon disulfide	10.049	8.703		-13.4	
Methyl Acetate	1.824	1.362		-25.3	
Methylene chloride	3.622	3.000		-17.2	
trans-1,2-Dichloroethene	3.072	2.719		-11.5	
Methyl tert-butyl ether	6.141	5.644		-8.1	
1,1-Dichloroethane	5.254	4.742	0.100	-9.7	
cis-1,2-Dichloroethene	3.188	2.933		-8.0	
2-Butanone	0.926	0.830		-10.4	
Chloroform	4.878	4.424		-9.3	20.0
1,1,1-Trichloroethane	0.562	0.519		-7.7	
Cyclohexane	0.853	0.708		-17.0	
Carbon tetrachloride	0.482	0.442		-8.2	
Benzene	1.801	1.649		-8.5	
1,2-Dichloroethane	2.682	2.437		-9.1	
Trichloroethene	0.477	0.446		-6.4	
Methylcyclohexane	0.781	0.674		-13.7	
1,2-Dichloropropane	0.452	0.435		-3.8	20.0
Bromodichloromethane	0.504	0.495		-1.9	
cis-1,3-Dichloropropene	0.642	0.633		-1.4	
4-Methyl-2-pentanone	0.419	0.374		-10.8	
Toluene	2.129	2.029		-4.7	20.0
trans-1,3-Dichloropropene	0.540	0.528		-2.1	
1,1,2-Trichloroethane	0.310	0.299		-3.4	
Tetrachloroethene	0.430	0.395		-8.2	
2-Hexanone	0.256	0.226		-11.8	
Dibromochloromethane	0.333	0.338		1.6	

All other compounds must meet a minimum RRF of 0.010.

URS156 V138

H 2 M labs

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR SEMIVOLATILE ORGANICS
SAMPLES RECEIVED: 5/24/13
SDG #: URS156

For Sample(s):

HA-3 (1-1.5)
HA-4 (1-1.5)
HA-5 (1-1.5)
HA-3 (1-1.5) DUP
HA-3 (3-3.5)
HA-4 (3-3.5)
HA-5 (3-3.5)

The above sample(s) and blank(s) was/were analyzed for a select list of base/neutral/acid extractables by EPA method 8270C.

All Q. C. data and calibrations met the requirements of the method unless discussed below, and no problems were encountered with sample analysis. The following should be noted:

All soil extracts were subjected to GPC cleanup.

Sample HA-3 (1-1.5) was analyzed as the matrix spike/matrix spike duplicate. 10 out of 130 percent recoveries were outside Q.C. limits. Seven RPDs were outside Q.C. limits. Lab fortified blanks were analyzed. All percent recoveries were within Q.C. limits except for a 49% recovery for acenaphthene (lower limit 60%) in LFB 39949.

All CCC and SPCC calibration requirements were met. In the initial calibrations, average response factors were employed as applicable, and linear or quadratic regression functions were used for RSDs above 15%.

Four analytes had % RSD's greater than 15% and did not meet linear regression or quadratic requirements. The average response factor was utilized to quantify benzaldehyde, acetophenone, atrazine.

In the continuing calibration verifications (CCV) some compounds had %Ds above 15%. These compounds are noted on Form VII. Results for these analytes are flagged with a "Z" qualifier in the LFB and if found in the samples, indicating that they are regarded estimated.

The method blanks contained several unidentified TICs at low levels. All analytes found in the blanks were flagged with the qualifier "B" in the associated samples.

H 2 M labs

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR SEMIVOLATILE ORGANICS
SAMPLES RECEIVED: 6/24/13
SDG #: URS156

TICs identified as siloxanes are suspected to be column bleed from the analytical column and were flagged with the qualifier "X".

TICs identified as alkanes are listed on the TIC form I however are not counted in the number of TICs reported.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: June 26, 2013

Date Revised: September 19, 2013

****
* *
* *
****
Joann M. Slavin
Senior Vice President

URS156 A5 Revised CLG Sep-21-13

3A

SYSTEM MONITORING SPIKE RECOVERY

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No.: URS SAS No.: SDG No.: URS156

Sample ID LFB-39949 Level: (low/med) LOW

Column ID Rxi-5SILMS Column Diam 0.25

Inst. ID HP5973N Init. Calib. Date(s): 05/10/13 10:26

Analysis Date: 06/10/13 15:44 05/10/13 14:18

COMPOUND	SPIKE ADDED (µg/Kg)	SAMPLE CONCENTRATION (µg/Kg)	SPIKE CONCENTRATION (µg/Kg)	SPIKE % REC #	QC. LIMITS REC.
Benzaldehyde	1700	0	1500	88	10-226
Phenol	1700	0	1100	63	38-104
Bis(2-chloroethyl)ether	1700	0	1000	60	32-116
2-Chlorophenol	1700	0	1100	67	36-109
2-Methylphenol	1700	0	1100	67	36-104
2,2'-oxybis(1-chloropropane)	1700	0	690	41	33-116
Acetophenone	1700	0	820	49*	60-140
4-Methylphenol	1700	0	990	59	26-119
N-Nitroso-di-n-propylamine	1700	0	890	54	33-109
Hexachloroethane	1700	0	1000	60	34-105
Nitrobenzene	1700	0	950	57	36-119
Isophorone	1700	0	1000	62	14-129
2-Nitrophenol	1700	0	1200	72	36-117
2,4-Dimethylphenol	1700	0	570	34	24-96
Bis(2-chloroethoxy)methane	1700	0	1100	66	29-112
2,4-Dichlorophenol	1700	0	1300	78	41-117
Naphthalene	1700	0	1100	67	18-142
4-Chloroaniline	1700	0	820	49	29-88
Hexachlorobutadiene	1700	0	1200	69	36-118
Caprolactam	1700	0	1200	72	40-105
4-Chloro-3-methylphenol	1700	0	1200	70	45-118
2-Methylnaphthalene	1700	0	1200	71	31-135
Hexachlorocyclopentadiene	1700	0	830	50	10-97
2,4,6-Trichlorophenol	1700	0	1200	74	45-110
2,4,5-Trichlorophenol	1700	0	1300	79	45-111
1,1'-Biphenyl	1700	0	1200	71	51-99
2-Chloronaphthalene	1700	0	1100	67	35-107
2-Nitroaniline	1700	0	980	59	42-118
Dimethylphthalate	1700	0	1200	70	49-112
2,6-Dinitrotoluene	1700	0	1200	73	50-109

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 1 out of 65 outside limits

COMMENTS:

URS156 B9

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

MB-39949

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS156

Lab File ID: 3\N58578.D Lab Sample ID: MB-39949

Instrument ID: HP5973N Date Extracted: 06/02/13

Matrix: (soil/water) SOIL Date Analyzed: 06/10/13

Level: (low/med) LOW Time Analyzed: 15:13

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
1	LFB-39949	LFB-39949	3\N58579.D	6/10/2013
2	HA-4 (1-1.5)	1305D54-002B	3\N58580.D	6/10/2013
3	HA-3 (1-1.5) DUP	1305D54-004B	3\N58581.D	6/10/2013
4	HA-3 (3-3.5)	1305D54-005B	3\N58582.D	6/10/2013
5	HA-5 (1-1.5)	1305D54-003B	3\N58583.D	6/10/2013
6	HA-4 (3-3.5)	1305D54-006B	3\N58584.D	6/10/2013
7	HA-5 (3-3.5)	1305D54-007B	3\N58585.D	6/10/2013
8	HA-3 (1-1.5)	1305D54-001B	3\N58586.D	6/10/2013
9	HA-3 (1-1.5)MS	1305D54-001BMS	3\N58587.D	6/10/2013
10	HA-3 (1-1.5)MSD	1305D54-001BMSD	3\N58588.D	6/10/2013

COMMENTS: _____

1G

EPA SAMPLE NO.

MB-39949

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS156

Matrix: (soil/water) SOIL Lab Sample ID: MB-39949

Sample wt/vol: 15 (g/mL) g Lab File ID: 3\N58578.D

Level: (low/med) LOW Date Received:

% Moisture: Decanted:(Y/N) N Date Extracted: 06/02/13

Concentrated Extract Volume: 500 (µl) Date Analyzed: 06/10/13

Injection Volume: 2 (µl) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: Extraction: (Type) PFEX

CONCENTRATION UNITS:

Number TICs found: 7 (µg/L or µg/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	3102-33-8	3-Penten-2-one, (E)-	3.04	210	AJN
2.	141-79-7	3-Penten-2-one, 4-methyl-	3.47	2000	AJN
3.	4161-60-8	2-Pentanone, 4-hydroxy-	3.74	2700	AJN
4.	123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.91	120000	AJN
5.		unknown (4.32)	4.32	1700	J
6.		unknown (4.44)	4.44	160	J
7.		unknown (6.29)	6.29	310	J

URS156 B299

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS156

Lab File ID: 3\N58570.D DFTPP Injection Date: 06/10/13

Instrument ID: HP5973N DFTPP Injection Time: 11:23

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	30.5
68	Less than 2% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	38.0
70	Less than 2% of mass 69	0.2 (0.4)1
127	40.0 - 60.0% of mass 198	49.0
197	Less than 1% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5.0 - 9.0% of mass 198	7.3
275	10.0 - 30.0% of mass 198	22.9
365	Greater than 1% of mass 198	2.8
441	Present, but less than mass 443	19.4
442	40.0 - 110.0% of mass 198	106.3
443	17.0 - 23.0% of mass 442	20.5 (19.3)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD025	SSTD025	3\N58571.D	06/10/13	11:43
02	MB-39949	MB-39949	3\N58578.D	06/10/13	15:13
03	LFB-39949	LFB-39949	3\N58579.D	06/10/13	15:44
04	HA-4 (1-1.5)	1305D54-002B	3\N58580.D	06/10/13	16:14
05	HA-3 (1-1.5) DUP	1305D54-004B	3\N58581.D	06/10/13	16:45
06	HA-3 (3-3.5)	1305D54-005B	3\N58582.D	06/10/13	17:16
07	HA-5 (1-1.5)	1305D54-003B	3\N58583.D	06/10/13	17:46
08	HA-4 (3-3.5)	1305D54-006B	3\N58584.D	06/10/13	18:17
09	HA-5 (3-3.5)	1305D54-007B	3\N58585.D	06/10/13	18:48
10	HA-3 (1-1.5)	1305D54-001B	3\N58586.D	06/10/13	19:19
11	HA-3 (1-1.5)MS	1305D54-001BMS	3\N58587.D	06/10/13	19:50
12	HA-3 (1-1.5)MSD	1305D54-001BMSD	3\N58588.D	06/10/13	20:21

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS156

Instrument ID: HP5973N Calibration Date: 6/10/2013 Time: 11:43

Lab File ID: 3\N58571.D Init. Calib. Date(s): 05/10/13 05/10/13

EPA Sample No.(SSTD050##): SSTD025 Init. Calib. Times: 10:26 14:18

GC Column: Rxi-5SILMS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Benzaldehyde	0.917	0.323		-64.8	
Phenol	2.202	2.151		-2.3	20.0
Bis(2-chloroethyl)ether	1.782	1.536		-13.8	
2-Chlorophenol	1.557	1.461		-6.2	
2-Methylphenol	1.403	1.379		-1.7	
2,2'-oxybis(1-chloropropane)	2.507	1.771		-29.4	
Acetophenone	2.942	2.065		-29.8	
4-Methylphenol	1.563	1.487		-4.9	
N-Nitroso-di-n-propylamine	1.223	0.969	0.050	-20.8	
Hexachloroethane	0.693	0.638		-7.9	
Nitrobenzene	0.447	0.375		-16.1	
Isophorone	0.781	0.691		-11.5	
2-Nitrophenol	0.201	0.216		7.7	20.0
2,4-Dimethylphenol	0.369	0.291		-21.0	
Bis(2-chloroethoxy)methane	0.493	0.463		-6.0	
2,4-Dichlorophenol	0.267	0.299		11.9	20.0
Naphthalene	1.120	1.113		-0.6	
4-Chloroaniline	0.443	0.458		3.5	
Hexachlorobutadiene	0.170	0.178		4.5	20.0
Caprolactam	0.113	0.112		-0.5	
4-Chloro-3-methylphenol	0.289	0.278		-3.9	20.0
2-Methylnaphthalene	0.715	0.736		2.9	
Hexachlorocyclopentadiene	0.314	0.200	0.050	-36.3	
2,4,6-Trichlorophenol	0.335	0.352		5.1	20.0
2,4,5-Trichlorophenol	0.318	0.340		6.9	
1,1'-Biphenyl	1.529	1.633		6.8	
2-Chloronaphthalene	1.220	1.287		5.5	
2-Nitroaniline	0.360	0.302		-16.0	
Dimethylphthalate	1.223	1.263		3.3	
2,6-Dinitrotoluene	0.291	0.297		2.0	
Acenaphthylene	1.892	1.926		1.8	
3-Nitroaniline	0.296	0.338		14.1	
Acenaphthene	1.243	1.256		1.1	20.0
2,4-Dinitrophenol	0.132	0.128	0.050	-2.7	
4-Nitrophenol	0.121	0.117	0.050	-3.4	
Dibenzofuran	1.582	1.627		2.9	
2,4-Dinitrotoluene	0.369	0.385		4.4	
Diethylphthalate	1.231	1.228		-0.3	

All other compounds must meet a minimum RRF of 0.010.

9/3/13

URS156 B283

H2M labs

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR ORGANOPHOSPHOROUS PESTICIDES
SAMPLES RECEIVED: 5/24/13
SDG #: URS156

For Sample(s):

HA-3 (1-1.5)	HA-3 (3-3.5)
HA-4 (1-1.5)	HA-4 (3-3.5)
HA-5 (1-1.5)	HA-5 (3-3.5)
HA-3 (1-1.5) DUP	

The above soil sample(s) was/were analyzed for organophosphorous pesticides by EPA method 8141A.

All Q. C. data and calibrations met the requirements of the method unless discussed below, and no problems were encountered with sample analysis. The following should be noted:

Sample HA-3 (1-1.5) was analyzed as the matrix spike/matrix spike duplicate. All percent recoveries and RPDs were met. A lab fortified blank was analyzed, and recoveries indicate good method efficiency.

Positives were confirmed by reanalysis on a dissimilar analytical column.

Linear calibration was used for all analytes. All continuous calibrations met acceptance criteria.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: July 1, 2013

****
* Middel *
****
Ursula Middel
Technical Manager

URS156 A6

H2M labs

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR PESTICIDES/PCBS ANALYSIS
SAMPLES RECEIVED: 5/24/13
SDG #: URS156

For Sample(s):

HA-3 (1-1.5)	HA-3 (3-3.5)
HA-4 (1-1.5)	HA-4 (3-3.5)
HA-5 (1-1.5)	HA-5 (3-3.5)
HA-3 (1-1.5) DUP	

The above soil sample(s) was/were analyzed for pesticides and aroclors by methods 8081A and 8082 in accordance with the NYSDEC ASP, Rev. 7/2005 and reported with the requested deliverables.

All Q. C. data and calibrations met the requirements of the protocol, unless discussed below. No problems were encountered with sample analysis. The following should be noted:

The extracts were subjected to GPC cleanup. After cleanup, the concentrates were split and analyzed separately for pesticides and PCBs. The aliquots for aroclors analysis were cleaned up with sulfuric acid and TBA for sulfur removal. These aliquots for aroclors analysis are reported with an "A" suffix.

Sample HA-3 (1-1.5) was submitted for matrix spike/ matrix spike duplicate (MS/MSD) analysis. Toxaphene was spiked. The percent recoveries and RPDs were within the Q. C. limits.

Lab fortified blanks for the single peak pesticides mix, aroclors and toxaphene were analyzed, and recoveries indicate good method efficiency.

Due to unresolved interferences, surrogate recoveries were outside Q. C. limits for TCX on one in sample HA-3 (3-3.5) in both analyses for pesticides and PCBs.

DCB recovery in sample HA-3 (1-1.5) was below Q. C. limit on one column as well as in the MS analysis, and the recovery for the MSD was marginal, which indicates matrix interference.

In the continuing calibration verification (CCV) INDAB10 on 6/4/13, some compounds exceeded the variability criterion of a percent difference of 15% on one or both columns. In the affected samples at least one column was compliant for reporting of the positives, however in the spike analyses the following recoveries are regarded estimated because both columns gave slightly high responses or an interference was found on the compliant column:
MS: beta-BHC, endrin, 4,4'-DDD
MSD: endrin, 4,4'-DDD
LFB-39946: alpha-BHC, beta BHC, gamma BHC, delta BHC, heptachlor, aldrin, 4,4'-DDD and gamma chlordane.

H2M labs

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR PESTICIDES/PCBS ANALYSIS
SAMPLES RECEIVED: 5/24/13
SDG #: URS156

Positives are reported to the practical detection limits of ½ of the reporting limits.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: July 8, 2013

****
* Mia del *
****
Ursula Middel
Technical Manager

URS156 A8

2F

SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS156

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	Other (1)	Other (2)	TOT OUT
01	MB-39946A	64	62	61	57			0
02	LFB2-39946A	69	63	62	60			0
03	HA-3 (1-1.5)A	75	77	58	55			0
04	HA-4 (1-1.5)A	74	82	66	63			0
05	HA-5 (1-1.5)A	53	59	48	49			0
06	HA-3 (1-1.5) DUPA	68	68	59	55			0
07	HA-3 (3-3.5)A	70	72	54	51			0
08	HA-4 (3-3.5)A	61	46	37	41			0
09	HA-5 (3-3.5)A	93	185 *	56	79			1
10	MB-39946	55	59	44	49			0
11	LFB-39946	71	79	51	57			0
12	LFB3-39946	69	73	50	53			0
13	HA-3 (1-1.5)	67	86	26 *	59			1
14	HA-3 (1-1.5)MS	67	78	18 *	59			1
15	HA-3 (1-1.5)MSD	67	78	30	58			0
16	HA-4 (1-1.5)	73	75	57	65			0
17	HA-3 (1-1.5) DUP	61	71	50	57			0
18	HA-3 (3-3.5)	61	68	51	49			0
19	HA-5 (1-1.5)	47	46	61	53			0
20	HA-4 (3-3.5)	32	126	67	41			0
21	HA-5 (3-3.5)	30	219 *	119	52			1

QC Limits

TCX = Tetrachloro-m-xylene (30-150)

DCB = Decachlorobiphenyl (30-150)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

URS156 PP3

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

HA-3 (1-1.5) DUP

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS156

Lab Sample ID: 1305D54-004B Date(s) Analyzed: 6/7/2013 6/7/2013

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Dieldrin	1	6.94	6.92	6.98	18	
	2	6.25	6.23	6.29	21	16.7

FORM X PEST- 1 SW8081/8082

URS156 PP176

10A

CLIENT SAMPLE NO.

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

HA-3 (1-1.5)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS156

Lab Sample ID: 1305D54-001B Date(s) Analyzed: 6/7/2013 6/7/2013

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Dieldrin	1	6.94	6.92	6.98	33	
	2	6.25	6.23	6.29	37	12.1

URS156 PP173

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

HA-4 (1-1.5)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS156

Lab Sample ID: 1305D54-002B Date(s) Analyzed: 6/7/2013 6/7/2013

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Dieldrin	1	6.94	6.92	6.98	2.6	
	2	6.24	6.23	6.29	4.8	84.6

FORM X PEST- 1 SW8081/8082

URS156 PP174

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

HA-5 (1-1.5)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS156

Lab Sample ID: 1305D54-003B Date(s) Analyzed: 7/3/2013 7/3/2013

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Dieldrin	1	6.94	6.91	6.97	5.2	
	2	6.84	6.81	6.87	5.5	5.8
4,4'-DDE	1	6.56	6.53	6.59	6.7	
	2	6.64	6.62	6.68	5.0	34.0
4,4'-DDD	1	7.25	7.24	7.30	5.6	
	2	7.32	7.29	7.35	2.1	166.7
4,4'-DDT	1	7.56	7.53	7.59	2.5	
	2	7.63	7.61	7.67	2.1	19.0

URS156 PP175

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

HA-4 (3-3.5)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS156

Lab Sample ID: 1305D54-006B Date(s) Analyzed: 7/3/2013 7/3/2013

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Heptachlor epoxide	1	6.08	6.07	6.13	1.1	
	2	5.91	5.88	5.94	1.2	9.1
Dieldrin	1	6.94	6.91	6.97	17	
	2	6.84	6.81	6.87	14	21.4
4,4'-DDE	1	6.55	6.53	6.59	2.7	
	2	6.64	6.62	6.68	2.2	22.7
4,4'-DDD	1	7.27	7.24	7.30	3.8	
	2	7.32	7.29	7.35	2.8	35.7
alpha-Chlordane	1	6.46	6.43	6.49	1.2	
	2	6.41	6.38	6.44	1.1	9.1

URS156 PP177

10A

CLIENT SAMPLE NO.

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

HA-5 (3-3.5)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS156

Lab Sample ID: 1305D54-007B Date(s) Analyzed: 7/3/2013 7/3/2013

Instrument ID (1): HP6890-2 Instrument ID (2): HP6890-2

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Dieldrin	1	6.94	6.91	6.97	32	
	2	6.84	6.81	6.87	33	3.1
4,4'-DDE	1	6.56	6.53	6.59	7.8	
	2	6.64	6.62	6.68	6.3	23.8
4,4'-DDD	1	7.26	7.24	7.30	5.4	
	2	7.32	7.29	7.35	6.6	22.2
4,4'-DDT	1	7.56	7.53	7.59	17	
	2	7.64	7.61	7.67	1.6	962.5
alpha-Chlordane	1	6.46	6.43	6.49	1.3	
	2	6.41	6.38	6.44	1.6	23.1

URS156 PP178

H2M labs

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR HERBICIDES ANALYSES
SAMPLES RECEIVED: 5/24/13
SDG #: URS156

For Sample(s):

HA-3 (1-1.5)	HA-3 (3-3.5)
HA-4 (1-1.5)	HA-4 (3-3.5)
HA-5 (1-1.5)	HA-5 (3-3.5)
HA-3 (1-1.5) DUP	

The above soil sample(s) was/were analyzed for herbicides by EPA method 8151A. Picloram, dinoseb and 2,4-DB have been added to the originally reported list of herbicides. Please note that ELAP / NELAC do not offer certification for picloram.

All Q. C. data and calibrations met the requirements of the method unless discussed below, and no problems were encountered with sample analysis. The following should be noted:

Two samples and the associated blank (reported as LSB) and an aliquot of the LFB were subjected to sulfur cleanup. The sulfur cleaned LFB aliquot is reported with the suffix "S".

Sample HA-3 (1-1.5) was submitted for matrix spike / matrix spike duplicate (MS/MSD) analysis. All percent recoveries and RPDs met the Q. C. limits,. Recoveries for the lab fortified blank indicate good method efficiency, but recovery was low for picloram after sulfur cleanup. No picloram was found in the sulfur cleaned samples, and no data are affected.

The recovery for the surrogate DCAA was above the Q. C. limit on one column for sample HA-4 (3-3.5) due to unresolved matrix interference.

Positives are reported to the practical detection limits of ½ of the reporting limits (PQL) except for dicamba. Due to interference levels no values below PQL are reportable.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: July 2, 2013

Date Revised: August 29, 2013

****
* Middel *
****
Ursula Middel
Technical Manager

URS156 A9 Revised CLG Aug-30-13

3A

SYSTEM MONITORING SPIKE RECOVERY

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No.: URS SAS No.: SDG No.: URS156

Sample ID LFB-39942(s) Level:(low/med) LOW

Column ID CLP Column Diam .32

Inst. ID HP6890-1 Init. Calib. Date(s): 05/16/13 19:31

Analysis Date: 06/05/13 15:56 05/16/13 20:34

COMPOUND	SPIKE ADDED (µg/Kg)	SAMPLE CONCENTRATION (µg/Kg)	SPIKE CONCENTRATION (µg/Kg)	SPIKE % REC #	QC. LIMITS REC.
Picloram	20	0	4.4	22*	40-140
Dicamba	20	0	14	69	16-136
2,4-D	40	0	26	65	25-157
2,4,5-TP (Silvex)	20	0	15	73	12-146
2,4,5-T	20	0	13	66	16-136
Dinoseb	40	0	18	44	10-121
2,4-DB	160	0	96	60	10-131

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 1 out of 7 outside limits

COMMENTS:

Revised CLG Aug-30-13

URS156 H5

H2M LABS INC

PREP BATCH REPORT

Prep Start Date: **5/31/2013 1:09:57 P**
Prep End Date: **6/3/2013 6:40:00 P**

Prep Batch ID: **39942** Prep Code: **8151PR_S** Technician: **Henry Barrera**

Initial Temp: **°C** Final Temp **°C**

Prep Factor Units: **mL / g**

Sample ID	ClientSampleID	Matrix	pH1	pH2	SampAmt	Fin Vol	factor	GPC	Acid	Sulfur	Florisil	PrepStart	PrepEnd
LFB-39942		Soil			25	5	0.200	☐	☐	☑	☐	5/31/2013	6/3/2013
	Sulfur cleanup performed 6/4/13 JB,acidified sodium sulfate added to all samples pH=4												
MB-39942		Soil			25	5	0.200	☐	☐	☑	☐	5/31/2013	6/3/2013
	Sulfur cleanup performed 6/4/13 JB												
1305C62-018B	SS-5	Soil			25.16	5	0.199	☐	☐	☐	☐	5/31/2013	6/3/2013
1305D53-002B	SS-4 DUP	Soil			25.03	5	0.200	☐	☐	☐	☐	5/31/2013	6/3/2013
1305D53-003B	SS-6 DUP	Soil			25.17	5	0.199	☐	☐	☐	☐	5/31/2013	6/3/2013
1305D54-001B	HA-3 (1-1.5)	Soil			25.19	5	0.198	☐	☐	☐	☐	5/31/2013	6/3/2013
1305D54-001BMS		Soil			25.05	5	0.200	☐	☐	☐	☐	5/31/2013	6/3/2013
1305D54-001BMSD		Soil			25.11	5	0.199	☐	☐	☐	☐	5/31/2013	6/3/2013
1305D54-002B	HA-4 (1-1.5)	Soil			25.18	5	0.199	☐	☐	☐	☐	5/31/2013	6/3/2013
1305D54-003B	HA-5 (1-1.5)	Soil			25.21	5	0.198	☐	☐	☐	☐	5/31/2013	6/3/2013
1305D54-004B	HA-3 (1-1.5) DUP	Soil			25.13	5	0.199	☐	☐	☐	☐	5/31/2013	6/3/2013
1305D54-005B	HA-3 (3-3.5)	Soil			25.17	5	0.199	☐	☐	☐	☐	5/31/2013	6/3/2013
1305D54-006B	HA-4 (3-3.5)	Soil			25.04	5	0.200	☐	☐	☑	☐	5/31/2013	6/3/2013
	Sulfur cleanup performed 6/4/13 JB												
1305D54-007B	HA-5 (3-3.5)	Soil			25.09	5	0.199	☐	☐	☑	☐	5/31/2013	6/3/2013
	Sulfur cleanup performed 6/4/13 JB												

Type	Chemical / Reagent ID	Chemical / Reagent Name	Container#	Container I	Amount Added	Unit
Chemical	42	Silica Gel	157	Container-01 of 01	1	g
Reagent	162	37% KOH	190	Container-01 of 01	5	mL

Cleanups:
GPC = Method EPA3640A
Acid = Method EPA3665A
Sulfur= Method EPA3660B
Florisil = Method-EPA3620B

URS156 H225 Revised CLG Aug-30-13

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

HA-5 (1-1.5)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS156

Lab Sample ID: 1305D54-003B Date(s) Analyzed: 06/03/13 06/03/13

Instrument ID (1): HP6890-1 Instrument ID (2): HP6890-1

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
2,4-DB	1	7.00	6.96	7.02	16	
	2	7.04	7.01	7.07	17	6.3

URS156 H83 Revised CLG Aug-30-13

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.
HA-3 (3-3.5)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS156

Lab Sample ID: 1305D54-005B Date(s) Analyzed: 06/03/13 06/03/13

Instrument ID (1): HP6890-1 Instrument ID (2): HP6890-1

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
2,4,5-T	1	6.73	6.68	6.74	3.6	
	2	6.77	6.75	6.81	16	344.4
2,4-DB	1	6.98 ~~0.00~~	6.96	7.02	7.5	
	2	7.06	7.01	7.07	11	46.7

M: 8-29-13

Revised CLG Aug-30-13

URS156 H84

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.
HA-4 (3-3.5)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS156

Lab Sample ID: 1305D54-006B Date(s) Analyzed: 06/05/13 06/05/13

Instrument ID (1): HP6890-1 Instrument ID (2): HP6890-1

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Picloram	1	7.86	7.84	7.91	8.8	
	2	7.50	7.50	7.57	17	93.2
2,4,5-TP (Silvex)	1	6.92	6.89	6.95	10	
	2	6.39	6.35	6.41	110	999.9

Revised CLG Aug-30-13

URS156 H85

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

HA-5 (3-3.5)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS156

Lab Sample ID: 1305D54-007B Date(s) Analyzed: 06/05/13 06/05/13

Instrument ID (1): HP6890-1 Instrument ID (2): HP6890-1

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
2,4,5-T	1	7.09	7.04	7.10	6.2	
	2	6.58	6.55	6.61	6.5	4.8
Dinoseb	1	7.95	7.90	7.96	9.2	
	2	7.02	6.98	7.04	5.8	58.6
2,4-DB	1	7.36	7.32	7.38	40	
	2	6.86	6.81	6.87	120	200.0

Revised CLG Aug-30-13

URS156 H86

H2M labs

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR TAL METALS ANALYSES
SAMPLE(S) RECEIVED: 5/24/13
SDG #: URS156

For Sample(s):

HA-3 (1-1.5)	HA-3 (3-3.5)
HA-4 (1-1.5)	HA-4 (3-3.5)
HA-5 (1-1.5)	HA-5 (3-3.5)
HA-3 (1-1.5) DUP	

The above sample(s) was/were received by H2M Labs, Inc. for TAL metals analysis.

Samples were prepared using EPA method 1311 and analyzed by 6010B with a TS ICAP 6000 instrument and method 7470a with a Leeman HYDRA mercury analyzer.

Sample HA-3 (1-1.5) was utilized for Q.C. analysis and reporting.

The sample spike recovery for manganese was below the acceptance limit. Data for the analyte are flagged with the "N" qualifier on Forms 1 and 5A. The post spike recovery of 101.7% was within the acceptance limits.

No other problems were noted during the analysis of this sample group.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: June 24, 2013

Thomas Powell
Vice President

URS156 A10

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO
HA-3 (1-1.5)S

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No. SAS No.: SDG No.: URS156

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 69.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony	75-125	145.0936		0.2880	B	144.52	100.2		P
Arsenic	75-125	17.6164		6.9844		11.56	92.0		P
Barium	75-125	664.7715		77.3881		578.06	101.6		P
Beryllium	75-125	15.4198		0.3179	B	14.45	104.5		P
Cadmium	75-125	14.2637		0.0145	U	14.45	98.7		P
Chromium	75-125	71.0583		13.3821		57.81	99.8		P
Cobalt	75-125	152.7529		5.2026	B	144.52	102.1		P
Copper	75-125	95.7560		18.7292		72.26	106.6		P
Iron		12094.5065		12425.4473		289.03	-114.5		P
Lead		450.3104		196.1076		5.78	4397.5		P
Manganese	75-125	322.9922		218.5075		144.52	72.3	N	P
Mercury	75-125	0.3685		0.1708		0.24	82.1		CV
Nickel	75-125	153.7645		7.2258		144.52	101.4		P
Selenium	75-125	2.7834		0.3324	U	2.89	96.3		P
Silver	75-125	14.6394		0.0289	U	14.45	101.3		P
Thallium	75-125	14.7695		0.2746	U	14.45	102.2		P
Vanadium	75-125	163.5916		17.1829		144.52	101.3		P
Zinc	75-125	347.1263		211.2817		144.52	94.0		P

Comments:

URS156 M29

U.S. EPA - CLP

3
BLANKS

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No. SAS No.: SDG No.: URS156

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum	-20.0	B	-11.0	B	-18.0	B	-20.0	B	0.950	U	P
Antimony	1.2	U	1.2	U	1.2	U	2.5	B	0.218	B	P
Arsenic	2.8	U	2.8	U	2.8	U	2.8	U	0.280	U	P
Barium	3.7	U	3.7	U	3.7	U	3.7	U	0.370	U	P
Beryllium	-0.2	B	0.1	U	0.1	U	0.1	U	0.010	U	P
Cadmium	0.1	U	0.1	U	0.1	U	-0.2	B	0.010	U	P
Calcium	-19.0	B	-12.0	B	-20.0	B	-24.0	B	0.530	U	P
Chromium	-0.5	B	0.4	U	0.4	U	-0.5	B	0.040	U	P
Cobalt	0.4	U	0.4	U	0.4	U	0.4	U	0.040	U	P
Copper	-0.6	B	-1.6	B	-1.1	B	0.4	U	0.040	U	P
Iron	-2.0	B	1.8	U	1.8	U	-3.2	B	2.150	B	P
Lead	1.0	U	1.1	B	1.0	U	1.0	U	0.100	U	P
Magnesium	16.9	U	-25.0	B	-17.0	B	-23.0	B	1.700	U	P
Manganese	0.1	U	0.1	U	0.1	U	-0.2	B	0.010	U	P
Nickel	0.3	U	-0.6	B	0.3	U	0.3	U	0.030	U	P
Potassium	226.0	B	187.0	B	113.0	B	144.0	B	4.900	U	P
Selenium	2.3	U	2.3	U	2.3	U	2.3	U	0.230	U	P
Silver	0.2	B	-0.4	B	0.2	U	0.2	U	0.020	U	P
Sodium	1261.3	U	1261.3	U	1261.3	U	1261.3	U	126.000	U	P
Thallium	1.9	U	1.9	U	1.9	U	1.9	U	0.190	U	P
Vanadium	0.3	U	0.3	U	0.3	U	0.3	U	0.030	U	P
Zinc	0.4	B	0.3	U	0.3	U	0.3	U	0.030	U	P

URS156 M23

U.S. EPA - CLP

14
ANALYSIS RUN LOG

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No. SAS No.: SDG No.: URS156

Instrument ID Number: ICAP6000 Method: P

Start Date: 06/18/2013 End Date: 06/18/2013

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	1627		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
S	1.00	1631			X																	X					
S	1.00	1635		X						X				X		X											
S	1.00	1640				X									X						X			X			
S	1.00	1644					X	X	X		X	X	X				X		X						X	X	
S	1.00	1649												X													
S	1.00	1653																		X			X				
ICV	1.00	1657		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ICV	1.00	1702												X													
ICB	1.00	1706		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1710																									
CRI	1.00	1715			X	X		X	X		X	X	X		X		X		X		X	X		X	X	X	
ICSA	1.00	1719		X		X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
ICSAB	1.00	1724		X		X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
CCV	1.00	1728		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV (1)	1.00	1732												X													
CCB	1.00	1737		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1741																									
ZZZZZZ	1.00	1745																									
ZZZZZZ	1.00	1750																									
ZZZZZZ	1.00	1754																									
ZZZZZZ	1.00	1758																									
ZZZZZZ	5.00	1803																									
ZZZZZZ	1.00	1807																									
ZZZZZZ	1.00	1811																									
ZZZZZZ	1.00	1816																									
PBS	1.00	1820		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV	1.00	1824		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV (2)	1.00	1829												X													
CCB	1.00	1833		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
LCSS	1.00	1838		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
-3 (1-1.5)	1.00	1842		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
3 (1-1.5)D	1.00	1846		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
3 (1-1.5)S	1.00	1850		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
3 (1-1.5)L	5.00	1854		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	

U.S. EPA - CLP

14
ANALYSIS RUN LOG

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No. SAS No.: SDG No.: URS156

Instrument ID Number: ICAP6000 Method: P

Start Date: 06/18/2013 End Date: 06/18/2013

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN	
3 (1-1.5)A	1.00	1859															X											
-4 (1-1.5)	1.00	1903		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
-5 (1-1.5)	1.00	1907		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
1-1.5) DUP	1.00	1911		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
-3 (3-3.5)	1.00	1916		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
CCV	1.00	1920		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
CCV (3)	1.00	1924												X														
CCB	1.00	1929		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
-4 (3-3.5)	1.00	1933		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
-5 (3-3.5)	1.00	1937		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
CRI	1.00	1942			X	X		X	X		X	X	X		X		X		X		X	X		X	X	X		
ICSA	1.00	1946		X		X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X		
ICSAB	1.00	1950		X		X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X		
CCV	1.00	1955		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
CCV (4)	1.00	1959												X														
CCB	1.00	2004		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		

URS156 M46

URS 158

CHAIN OF CUSTODY RECORD

URS

PROJECT NO. 11176892.00002 | SITE NAME NYSDEC-Old Agway

SAMPLERS (PRINT/SIGNATURE) Justin King - 5726478 7596

DELIVERY SERVICE: FEDEX AIRBILL NO.: [redacted]

LAB HZM

COOLER 1 of 5

PAGE 1 of 1

LOCATION IDENTIFIER	DATE	TIME	COMP/ GRAB	SAMPLE ID	MATRIX	TOTAL NO. OF CONTAINERS	TCL VOCs	TCL SVOCs	PCBs	Pesticides	Herbicides	TAL Metals			REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	# OF INTERVENING SAMPLES (SPIKES)
							3 AmberVOA Vial	1L Amber	1L Amber	1L Amber	1L Amber	500mL HNO3							
	6/6/13	750	Grab	MW-1	GW	9	X	X	X	X	X	X			1306371-001				
	6/6/13	930	Grab	MW-5	GW	9	X	X	X	X	X	X			-003				
	6/6/13	1050	Grab	MW-6	GW	9	X	X	X	X	X	X			-004				
	6/6/13	Grab	1312	MW-4	GW	9	X	X	X	X	X	X			-002				
	6/6/13	Grab	1312	MS060613	MS	9	X	X	X	X	X	X			MS				
	6/6/13	Grab	1312	MSD060613	MSD	9	X	X	X	X	X	X			MSD				
	6/6/13	1130	Grab	DUP060613	GW	9	X	X	X	X	X	X			-005				
	5/23/13	—	TB	TB	TB	1	X								-006				

MATRIX CODES: AA - AMBIENT AIR; SE - SEDIMENT; SH - HAZARDOUS SOLID WASTE; SL - SLUDGE; WP - DRINKING WATER; WW - WASTE WATER; WG - GROUND WATER; SO - SOIL; DC - DRILL CUTTINGS; WL - LEACHATE; GS - SOIL GAS; WC - DRILLING WATER; WO - OCEAN WATER; WS - SURFACE WATER; WQ - WATER FIELD QC; LH - HAZARDOUS LIQUID WASTE; LF - FLOATING/FREE PRODUCT ON GW TABLE

SAMPLE TYPE CODES: TB# - TRIP BLANK; SD# - MATRIX SPIKE DUPLICATE; RB# - RINSE BLANK; FR# - FIELD REPLICATE; N# - NORMAL ENVIRONMENTAL SAMPLE; MS# - MATRIX SPIKE; (# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
[signature]	6/6/13	1700	FEDEX		
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME
FedEx			[signature]	6-7-13	10:30

Distribution: Original accompanies shipment, copy to coordinator field files

URSF-075CH OF I/Co/CR/0CM

SPECIAL INSTRUCTIONS:
Cooler temp 0.7 °C
IR gun 122336969 / 122076478
pH strips (10BDH0431) ≤2 3 9 ≥12
Free Cl2 strips(041912C)Present/Absent
Lot#_____

Custody Seal

URS158 A9

URS 158

CHAIN OF CUSTODY RECORD

URS

PROJECT NO. 11176892.00002 | SITE NAME Ballston Spa-Old Agway

SAMPLERS (PRINT/SIGNATURE) Justin King

DELIVERY SERVICE: FEDEX | AIRBILL NO.: 872647917922

LAB HZM

COOLER 1 of 2

PAGE 1 of 1

LOCATION IDENTIFIER	DATE	TIME	COMP/ GRAB	SAMPLE ID	MATRIX	TOTAL NO. OF CONTAINERS	TESTS: VOCs	SVOCs	PCBs	Pesticides	Herbicides	TAL Metals	BOTTLE TYPE AND PRESERVATIVE: Amber VOAs	1L Amber	1L Amber	1L Amber	1L Amber	500mL HNO3	REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	# OF CONTAINERS (SEPARATE)
	6/7/13	0840	Grab	MW-2	GW	9	X	X	X	X	X	X							13064437-001				
	6/7/13	1020	Grab	MW-3	GW	9	X	X	X	X	X	X							-002				
	5/23/13	—	TB	Trip Blank	TB	1	X												-003				

MATRIX CODES: AA - AMBIENT AIR; SE - SEDIMENT; SH - HAZARDOUS SOLID WASTE; SL - SLUDGE; WP - DRINKING WATER; WW - WASTE WATER; WG - GROUND WATER; SO - SOIL; DC - DRILL CUTTINGS; WL - LEACHATE; GS - SOIL GAS; WC - DRILLING WATER; WO - OCEAN WATER; WS - SURFACE WATER; WQ - WATER FIELD QC; LH - HAZARDOUS LIQUID WASTE; LF - FLOATING/FREE PRODUCT ON GW TABLE

SAMPLE TYPE CODES: TB# - TRIP BLANK; SD# - MATRIX SPIKE DUPLICATE; RB# - RINSE BLANK; FR# - FIELD REPLICATE; N# - NORMAL ENVIRONMENTAL SAMPLE; MS# - MATRIX SPIKE; (# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
	6/7/13	1400	FEDEX		
RELINQUISHED BY (SIGNATURE) FedEx	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME
				6/8	1035

SPECIAL INSTRUCTIONS

Distribution: Original accompanies shipment, copy to coordinator field files

URS FORM OF COORDINATOR Relinq. 6/10/13 11:00 Recv. 6-10-13 11:00

URS158 A17

H2M labs

H2M LABS INC
575 Broad Hollow Rd.
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.h2mlabs.com

URS 158

Sample Receipt Checklist

Client Name **URS**

Date and Time Received: **6/8/2013**

Work Order Number: **1306437** RcptNo: **1**

Received by **MelissaWatson**

Completed by: M. Wat

Reviewed by:

Completed Date: 6/12/2013

Reviewed Date: 6/13/2013 6:38:22 PM

Carrier name: FedEx

Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Are matrices correctly identified on Chain of custody?	Yes ☑	No ☐		
Is it clear what analyses were requested?	Yes ☑	No ☐		
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present	☑
Samples in proper container/bottle?	Yes ☑	No ☐		
Were correct preservatives used and noted?	Yes ☑	No ☐	NA	☐
Preservative added to bottles:				
Sample Condition?	Intact ☑	Broken ☐	Leaking	☐
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
Were container labels complete (ID, Pres, Date)?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Was an attempt made to cool the samples?	Yes ☑	No ☐	NA	☐
All samples received at a temp. of > 0° C to 6.0° C?	Yes ☐	No ☑	NA	☐
Response when temperature is outside of range:				
Sample Temp. taken and recorded upon receipt?	Yes ☑	No ☐	0.6 To	0.4 °
Water - Were bubbles absent in VOC vials?	Yes ☐	No ☑	No Vials	☐
Water - Was there Chlorine Present?	Yes ☐	No ☐	NA	☑
Water - pH acceptable upon receipt?	Yes ☑	No ☐	No Water	☐
Are Samples considered acceptable?	Yes ☑	No ☐		
Custody Seals present?	Yes ☑	No ☐		
Airbill or Sticker?	Air Bil ☑	Sticker ☐	Not Present	☐
Airbill No:	8726 4791 7911/8726 4791 7922			

Case Number: SDG: URS158 SAS:

Any No response should be detailed in the comments section below, if applicable.

Client Contacted? ☐ Yes ☑ No Person Contacted:

Contact Mode: ☐ Phone: ☐ Fax: ☐ Email: ☐ In Person:

Client Instructions:

Date Contacted: Contacted By:

Regarding:

Comments:

The trip blank vial has a 5mm diameter headspace bubble. There is no spare.

CorrectiveAction:

URS158 A18

H 2 M labs

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR VOLATILE ORGANICS
SAMPLES RECEIVED: 6/7/13 & 6/8/13
SDG #: URS158

For Sample(s):

MW-1	TB 05232013
MW-4	MW-2
MW-5	MW-3
MW-6	TB2 05232013
DUP 06062013	

The above sample(s) and blanks was/were analyzed for a select list of volatile organic analytes by EPA method 8260B.

All Q.C. data and calibrations met the requirements of the method, and no problems were encountered with sample analysis. The following should be noted:

Sample MW-4 was analyzed as the matrix spike/matrix spike duplicate. All percent recoveries and RPDs were within Q.C. limits except for a low recovery for bromomethane in both the matrix spike and the matrix spike duplicate.

A lab fortified blank was analyzed and all percent recoveries were within QC limits except for a low recovery for bromomethane in both LFBs and 1,1,2-trichloro-1,2,2-trifluoroethane in LFB061913.

Linear responses with average RFs or linear regression calibration were used as required.

In the continuing calibration verification (CCV's) some compounds had %D's above 15%. These compounds are noted on Form VII. Results for these analytes are regarded as estimated and are flagged with a "Z" qualifier if found in samples associated with that calibration.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: July 2, 2013

****
* *
* *
****

Joann M. Slavin
Senior Vice President

REVISED KV 05-Jul-13

URS158 S20A

3A

SYSTEM MONITORING SPIKE RECOVERY

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No.: URS SAS No.: SDG No.: URS158

Sample ID LFB061013 Level: (low/med) LOW

Column ID Rtx-624 Column Diam .18

Inst. ID HP5973-3 Init. Calib. Date(s): 01/22/13 13:06

Analysis Date: 06/10/13 23:57 01/22/13 16:27

COMPOUND	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	SPIKE CONCENTRATION (µg/L)	SPIKE % REC #	QC. LIMITS REC.
Dichlorodifluoromethane	50	0	54	108	16-152
Chloromethane	50	0	63	126	58-142
Vinyl chloride	50	0	40	80	61-127
Bromomethane	50	0	21	42*	67-126
Chloroethane	50	0	36	71	66-140
Trichlorofluoromethane	50	0	34	67	10-144
1,1-Dichloroethene	50	0	48	96	62-131
1,1,2-Trichloro-1,2,2-trifluoroethane	50	0	43	86	53-122
Acetone	50	0	35	69	33-175
Carbon disulfide	50	0	56	111	19-165
Methyl Acetate	50	0	65	130	45-175
Methylene chloride	50	0	46	93	47-159
trans-1,2-Dichloroethene	50	0	48	95	64-133
Methyl tert-butyl ether	50	0	48	97	64-117
1,1-Dichloroethane	50	0	52	103	52-152
cis-1,2-Dichloroethene	50	0	47	94	72-132
2-Butanone	50	0	36	72	33-175
Chloroform	50	0	46	93	56-142
1,1,1-Trichloroethane	50	0	48	96	24-129
Cyclohexane	50	0	52	104	33-152
Carbon tetrachloride	50	0	53	105	19-134
Benzene	50	0	51	102	64-139
1,2-Dichloroethane	50	0	45	90	48-133
Trichloroethene	50	0	48	95	43-150
Methylcyclohexane	50	0	39	79	22-171
1,2-Dichloropropane	50	0	54	109	40-152
Bromodichloromethane	50	0	53	107	55-138
cis-1,3-Dichloropropene	50	0	55	111	66-126
4-Methyl-2-pentanone	50	0	37	74	44-162
Toluene	50	0	49	99	69-124

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 1 out of 48 outside limits

COMMENTS:

3A

SYSTEM MONITORING SPIKE RECOVERY

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No.: URS SAS No.: SDG No.: URS158

Sample ID LFB061913 Level:(low/med) LOW

Column ID Rtx-624 Column Diam .18

Inst. ID HP5973-3 Init. Calib. Date(s): 01/22/13 13:06

Analysis Date: 06/20/13 0:16 01/22/13 16:27

COMPOUND	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	SPIKE CONCENTRATION (µg/L)	SPIKE % REC #	QC. LIMITS REC.
Dichlorodifluoromethane	50	0	44	88	16-152
Chloromethane	50	0	63	125	58-142
Vinyl chloride	50	0	35	69	61-127
Bromomethane	50	0	16	32*	67-126
Chloroethane	50	0	34	68	66-140
Trichlorofluoromethane	50	0	31	62	10-144
1,1-Dichloroethene	50	0	32	65	62-131
1,1,2-Trichloro-1,2,2-trifluoroethane	50	0	26	52*	53-122
Acetone	50	0	39	78	33-175
Carbon disulfide	50	0	37	73	19-165
Methyl Acetate	50	0	68	136	45-175
Methylene chloride	50	0	40	81	47-159
trans-1,2-Dichloroethene	50	0	36	72	64-133
Methyl tert-butyl ether	50	0	47	93	64-117
1,1-Dichloroethane	50	0	40	80	52-152
cis-1,2-Dichloroethene	50	0	38	76	72-132
2-Butanone	50	0	39	77	33-175
Chloroform	50	0	37	75	56-142
1,1,1-Trichloroethane	50	0	35	69	24-129
Cyclohexane	50	0	30	60	33-152
Carbon tetrachloride	50	0	36	71	19-134
Benzene	50	0	41	82	64-139
1,2-Dichloroethane	50	0	41	81	48-133
Trichloroethene	50	0	36	73	43-150
Methylcyclohexane	50	0	18	36	22-171
1,2-Dichloropropane	50	0	46	92	40-152
Bromodichloromethane	50	0	46	92	55-138
cis-1,3-Dichloropropene	50	0	48	96	66-126
4-Methyl-2-pentanone	50	0	41	82	44-162
Toluene	50	0	39	78	69-124

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 2 out of 48 outside limits

COMMENTS:

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS158

Lab File ID: 3\J10770.D BFB Injection Date: 06/10/13

Instrument ID: HP5973-3 BFB Injection Time: 20:04

GC Column: Rtx-624 ID: .18 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.4
75	30.0 - 60.0% of mass 95	47.1
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.0
173	Less than 2.0% of mass 174	0.4 (0.6)1
174	Greater than 50.0% of mass 95	70.9
175	5.0 - 9.0% of mass 174	4.9 (7.0)1
176	95.0 - 101.0% of mass 174	68.6 (96.9)1
177	5.0 - 9.0% of mass 176	4.5 (6.5)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050	VSTD050	3\J10772.D	06/10/13	21:03
02	VBLK061013	VBLK061013	3\J10773.D	06/10/13	21:33
03	LFB061013	LFB061013	3\J10778.D	06/10/13	23:57
04	TB 05232013	1306371-006A	3\J10779.D	06/11/13	0:25
05	DUP 06062013	1306371-005A	3\J10780.D	06/11/13	0:53
06	MW-6	1306371-004A	3\J10781.D	06/11/13	1:23
07	MW-5	1306371-003A	3\J10782.D	06/11/13	1:52
08	MW-4	1306371-002A	3\J10783.D	06/11/13	2:21
09	MW-4MS	1306371-002AMS	3\J10784.D	06/11/13	2:49
10	MW-4MSD	1306371-002AMSD	3\J10785.D	06/11/13	3:16
11	MW-1	1306371-001A	3\J10786.D	06/11/13	3:44

7B

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS158

Instrument ID: HP5973-3 Calibration Date: 06/10/13 Time: 21:03

Lab File ID: 3\J10772.D Init. Calib. Date(s): 01/22/13 01/22/13

EPA Sample No.(VSTD050##): VSTD050 Init. Calib. Times: 13:06 16:27

Heated Purge: (Y/N) N

GC Column: Rtx-624 ID: .18 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	2.470	2.960		19.8	
Chloromethane	2.324	3.229	0.100	38.9	
Vinyl chloride	2.792	2.538		-9.1	20.0
Bromomethane	1.424	0.815		-42.8	
Chloroethane	1.716	1.440		-16.1	
Trichlorofluoromethane	3.601	2.791		-22.5	
1,1-Dichloroethene	1.770	1.669		-5.7	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.910	1.606		-15.9	
Acetone	0.372	0.280		-24.8	
Carbon disulfide	5.298	5.874		10.9	
Methyl Acetate	1.065	1.379		29.5	
Methylene chloride	2.178	2.045		-6.1	
trans-1,2-Dichloroethene	1.982	1.906		-3.8	
Methyl tert-butyl ether	5.514	5.355		-2.9	
1,1-Dichloroethane	3.580	3.685	0.100	2.9	
cis-1,2-Dichloroethene	2.145	2.040		-4.9	
2-Butanone	0.568	0.465		-18.1	
Chloroform	3.589	3.321		-7.5	20.0
1,1,1-Trichloroethane	0.458	0.425		-7.2	
Cyclohexane	0.528	0.523		-0.9	
Carbon tetrachloride	0.357	0.363		1.6	
Benzene	1.313	1.310		-0.2	
1,2-Dichloroethane	2.808	2.515		-10.4	
Trichloroethene	0.318	0.298		-6.2	
Methylcyclohexane	0.600	0.486		-19.0	
1,2-Dichloropropane	0.320	0.340		6.1	
Bromodichloromethane	0.372	0.391		5.2	
cis-1,3-Dichloropropene	0.462	0.505		9.4	
4-Methyl-2-pentanone	0.224	0.188		-16.0	
Toluene	0.896	0.874		-2.5	20.0
trans-1,3-Dichloropropene	0.435	0.482		10.9	
1,1,2-Trichloroethane	0.273	0.278		1.7	
Tetrachloroethene	0.273	0.243		-11.1	
2-Hexanone	0.134	0.119		-11.3	
Dibromochloromethane	0.238	0.287		20.6	

All other compounds must meet a minimum RRF of 0.010.

URS158 V130

7B

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS158

Instrument ID: HP5973-3 Calibration Date: 06/10/13 Time: 21:03

Lab File ID: 3\J10772.D Init. Calib. Date(s): 01/22/13 01/22/13

EPA Sample No.(VSTD050##): VSTD050 Init. Calib. Times: 13:06 16:27

Heated Purge: (Y/N) N

GC Column: Rtx-624 ID: .18 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
1,2-Dibromoethane	0.288	0.303		5.1	
Chlorobenzene	0.973	0.907	0.300	-6.7	
Ethylbenzene	0.534	0.484		-9.4	20.0
Xylene (total)	0.645	0.574		-11.0	
Styrene	0.985	0.978		-0.7	
Bromoform	0.128	0.172	0.100	33.9	
Isopropylbenzene	1.648	1.377		-16.5	
1,1,2,2-Tetrachloroethane	0.324	0.387	0.300	19.5	
1,3-Dichlorobenzene	0.715	0.598		-16.4	
1,4-Dichlorobenzene	0.746	0.633		-15.1	
1,2-Dichlorobenzene	0.689	0.597		-13.3	
1,2-Dibromo-3-chloropropane	0.046	0.056		21.1	
1,2,4-Trichlorobenzene	0.404	0.307		-24.1	

All other compounds must meet a minimum RRF of 0.010.

URS158 V131

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS158

Lab File ID: 3\J10922.D BFB Injection Date: 06/19/13

Instrument ID: HP5973-3 BFB Injection Time: 21:19

GC Column: Rtx-624 ID: .18 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.0
75	30.0 - 60.0% of mass 95	46.1
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.5 (0.7)1
174	Greater than 50.0% of mass 95	71.1
175	5.0 - 9.0% of mass 174	5.0 (7.1)1
176	95.0 - 101.0% of mass 174	68.7 (96.6)1
177	5.0 - 9.0% of mass 176	4.7 (6.8)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050	VSTD050	3\J10923.D	06/19/13	22:40
02	VBLK061913	VBLK061913	3\J10924.D	06/19/13	23:48
03	LFB061913	LFB061913	3\J10925.D	06/20/13	0:16
04	MW-2	1306437-001A	3\J10926.D	06/20/13	0:44
05	MW-3	1306437-002A	3\J10927.D	06/20/13	1:12
06	TB2 05232013	1306437-003A	3\J10928.D	06/20/13	1:40

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS158

Instrument ID: HP5973-3 Calibration Date: 06/19/13 Time: 22:40

Lab File ID: 3\J10923.D Init. Calib. Date(s): 01/22/13 01/22/13

EPA Sample No.(VSTD050##): VSTD050 Init. Calib. Times: 13:06 16:27

Heated Purge: (Y/N) N

GC Column: Rtx-624 ID: .18 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	2.470	2.762		11.8	
Chloromethane	2.324	3.537	0.100	52.2	
Vinyl chloride	2.792	2.498		-10.5	20.0
Bromomethane	1.424	0.642		-54.9	
Chloroethane	1.716	1.422		-17.1	
Trichlorofluoromethane	3.601	2.811		-21.9	
1,1-Dichloroethene	1.770	1.454		-17.9	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.910	1.270		-33.5	
Acetone	0.372	0.271		-27.2	
Carbon disulfide	5.298	4.920		-7.1	
Methyl Acetate	1.065	1.454		36.5	
Methylene chloride	2.178	1.955		-10.2	
trans-1,2-Dichloroethene	1.982	1.733		-12.5	
Methyl tert-butyl ether	5.514	5.478		-0.7	
1,1-Dichloroethane	3.580	3.345	0.100	-6.6	
cis-1,2-Dichloroethene	2.145	1.925		-10.2	
2-Butanone	0.568	0.453		-20.2	
Chloroform	3.589	3.074		-14.3	20.0
1,1,1-Trichloroethane	0.458	0.387		-15.5	
Cyclohexane	0.528	0.415		-21.4	
Carbon tetrachloride	0.357	0.318		-11.0	
Benzene	1.313	1.254		-4.5	
1,2-Dichloroethane	2.808	2.454		-12.6	
Trichloroethene	0.318	0.278		-12.5	
Methylcyclohexane	0.600	0.354		-41.0	
1,2-Dichloropropane	0.320	0.334		4.3	
Bromodichloromethane	0.372	0.384		3.4	
cis-1,3-Dichloropropene	0.462	0.505		9.4	
4-Methyl-2-pentanone	0.224	0.183		-18.3	
Toluene	0.896	0.830		-7.4	20.0
trans-1,3-Dichloropropene	0.435	0.492		13.2	
1,1,2-Trichloroethane	0.273	0.291		6.5	
Tetrachloroethene	0.273	0.211		-22.8	
2-Hexanone	0.134	0.113		-15.7	
Dibromochloromethane	0.238	0.294		23.5	

All other compounds must meet a minimum RRF of 0.010.

URS158 V136

7B

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS158

Instrument ID: HP5973-3 Calibration Date: 06/19/13 Time: 22:40

Lab File ID: 3\J10923.D Init. Calib. Date(s): 01/22/13 01/22/13

EPA Sample No.(VSTD050##): VSTD050 Init. Calib. Times: 13:06 16:27

Heated Purge: (Y/N) N

GC Column: Rtx-624 ID: .18 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
1,2-Dibromoethane	0.288	0.325		12.8	
Chlorobenzene	0.973	0.888	0.300	-8.7	
Ethylbenzene	0.534	0.449		-16.0	20.0
Xylene (total)	0.645	0.549		-14.9	
Styrene	0.985	0.945		-4.0	
Bromoform	0.128	0.181	0.100	40.9	
Isopropylbenzene	1.648	1.259		-23.6	
1,1,2,2-Tetrachloroethane	0.324	0.427	0.300	31.8	
1,3-Dichlorobenzene	0.715	0.589		-17.7	
1,4-Dichlorobenzene	0.746	0.633		-15.1	
1,2-Dichlorobenzene	0.689	0.601		-12.7	
1,2-Dibromo-3-chloropropane	0.046	0.065		40.6	
1,2,4-Trichlorobenzene	0.404	0.333		-17.6	

All other compounds must meet a minimum RRF of 0.010.

URS158 V137

H 2 M labs

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR SEMIVOLATILE ORGANICS
SAMPLES RECEIVED: 6/7/13 & 6/8/13
SDG #: URS158

For Sample(s):

MW-1
MW-4
MW-5
MW-6
DUP 06062013
MW-2
MW-3

The above sample(s) and blanks was/were analyzed for a select list of base/neutral/acid extractables by EPA method 8270C. SIM analysis was also requested and the extracted were analyzed in SIM mode. The samples were not re-extracted with lower spiking amounts for SIM analysis.

All Q. C. data and calibrations met the requirements of the method unless discussed below, and no problems were encountered with sample analysis. The following should be noted:

Sample MW-4 was analyzed as the matrix spike/matrix spike duplicate. All percent recoveries and RPDs were within Q.C. limits except for high percent recoveries for 4-chloro-3-methylphenol, 4-nitrophenol, 2,4-dinitrotoluene and pentachlorophenol in both the matrix spike and the matrix spike duplicate.

The surrogate recovery for d5 phenol was high in the matrix spike duplicate. A lab fortified blank was analyzed and all percent recoveries were within Q.C. limits except for 2,2-oxybis(1-chloropropane) at 32%.

Sample MW-2 was reanalyzed due to concentration levels of targeted analytes above the calibration range. Both sets of data are submitted.

All CCC and SPCC calibration requirements were met. In the initial calibrations, average response factors were employed as applicable, and linear or quadratic regression functions were used for RSDs above 15%.

In the continuing calibration verifications (CCV) some compounds had %Ds above 15%. These compounds are noted on Form VII. Results for these analytes are flagged with a "Z" qualifier in the LFB, indicating that they are regarded estimated. None of the compounds were found in the samples with the exception of acetophenone.

The method blank contained bis(2-ethylhexyl)phthalate below reporting limit. All analytes found in the blanks were flagged with the qualifier "B" when present in the associated samples.

REVISED KV 05-Jul-13

URS158 S20B

H 2 M labs

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR SEMIVOLATILE ORGANICS
SAMPLES RECEIVED: 6/7/13 & 6/8/13
SDG #: URS158

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: July 2, 2013

****
* *
* *
****
Joann M. Slavin
Senior Vice President

REVISED KV 05-Jul-13

URS158 S20C

3A

SYSTEM MONITORING SPIKE RECOVERY

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No.: URS SAS No.: SDG No.: URS158

Sample ID LFB-40051 Level:(low/med) LOW

Column ID R-5SILMS Column Diam .25

Inst. ID HP5973R Init. Calib. Date(s): 05/13/13 17:21

Analysis Date: 06/19/13 2:45 05/13/13 20:19

COMPOUND	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	SPIKE CONCENTRATION (µg/L)	SPIKE % REC #	QC. LIMITS REC.
Benzaldehyde	50	0	66	132	40-140
Phenol	50	0	41	82	40-100
Bis(2-chloroethyl)ether	50	0	42	84	39-111
2-Chlorophenol	50	0	43	87	43-106
2-Methylphenol	50	0	40	80	41-131
2,2'-oxybis(1-chloropropane)	50	0	16	32*	44-100
Acetophenone	50	0	47	93	42.5-97.3
4-Methylphenol	50	0	41	82	41-101
N-Nitroso-di-n-propylamine	50	0	39	79	40-124
Hexachloroethane	50	0	32	63	41-119
Nitrobenzene	50	0	43	85	41-122
Isophorone	50	0	43	86	46-118
2-Nitrophenol	50	0	43	87	41-128
2,4-Dimethylphenol	50	0	30	59	39-135
Bis(2-chloroethoxy)methane	50	0	43	87	47-102
2,4-Dichlorophenol	50	0	46	93	44-127
Naphthalene	50	0	41	81	39-107
4-Chloroaniline	50	0	43	86	25-133
Caprolactam	50	0	47	93	10-122
4-Chloro-3-methylphenol	50	0	49	97	48-124
2-Methylnaphthalene	50	0	42	84	31-123
Hexachlorocyclopentadiene	50	0	20	41	13-119
2,4,6-Trichlorophenol	50	0	50	99	55-114
2,4,5-Trichlorophenol	50	0	51	102	55-125
1,1'-Biphenyl	50	0	46	92	57-98
2-Chloronaphthalene	50	0	44	89	41-122
2-Nitroaniline	50	0	46	92	48-124
Dimethylphthalate	50	0	49	99	56-121
2,6-Dinitrotoluene	50	0	52	103	56-121
Acenaphthylene	50	0	46	93	50-109

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 1 out of 58 outside limits

COMMENTS:

URS158 B5

4B

EPA SAMPLE NO.

SEMIVOLATILE METHOD BLANK SUMMARY

MB-40051

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS158

Lab File ID: 3\R16545.D Lab Sample ID: MB-40051

Instrument ID: HP5973R Date Extracted: 06/10/13

Matrix: (soil/water) WATER Date Analyzed: 06/19/13

Level: (low/med) LOW Time Analyzed: 2:16

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
1	LFB-40051	LFB-40051	3\R16546.D	6/19/2013
2	MW-1	1306371-001B	3\R16547.D	6/19/2013
3	MW-4	1306371-002B	3\R16548.D	6/19/2013
4	MW-4MS	1306371-002BMS	3\R16549.D	6/19/2013
5	MW-4MSD	1306371-002BMSD	3\R16550.D	6/19/2013
6	MW-5	1306371-003B	3\R16551.D	6/19/2013
7	MW-6	1306371-004B	3\R16552.D	6/19/2013
8	DUP	1306371-005B	3\R16553.D	6/19/2013
9	MW-2	1306437-001B	3\R16554.D	6/19/2013
10	MW-3	1306437-002B	3\R16555.D	6/19/2013

COMMENTS: _____

1D

EPA SAMPLE NO.

MB-40051

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS158

Matrix: (soil/water) WATER Lab Sample ID: MB-40051

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 3\R16545.D

Level: (low/med) LOW Date Received:

% Moisture: Decanted: (Y/N) N Date Extracted: 06/10/13

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 06/19/13

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	5	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
1912-24-9	Atrazine	8	U
87-86-5	Pentachlorophenol	5	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butyl benzyl phthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	5	U
117-81-7	Bis(2-ethylhexyl)phthalate	1	J
117-84-0	Di-n-octyl phthalate	10	U
50-32-8	Benzo(a)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) Cannot be separated from Diphenylamine

URS158 B189

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS158

Lab File ID: 3\R16536.D DFTPP Injection Date: 06/18/13

Instrument ID: HP5973R DFTPP Injection Time: 21:59

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	33.0
68	Less than 2% of mass 69	0.1 (0.2)1
69	Mass 69 relative abundance	39.8
70	Less than 2% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	47.3
197	Less than 1% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5.0 - 9.0% of mass 198	6.6
275	10.0 - 30.0% of mass 198	24.6
365	Greater than 1% of mass 198	2.3
441	Present, but less than mass 443	8.0
442	40.0 - 110.0% of mass 198	52.0
443	17.0 - 23.0% of mass 442	10.0 (19.3)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD025	SSTD025	\R16537R.D	06/18/13	22:19
02	MB-40051	MB-40051	3\R16545.D	06/19/13	2:16
03	LFB-40051	LFB-40051	3\R16546.D	06/19/13	2:45
04	MW-1	1306371-001B	3\R16547.D	06/19/13	3:15
05	MW-4	1306371-002B	3\R16548.D	06/19/13	3:45
06	MW-4MS	1306371-002BMS	3\R16549.D	06/19/13	4:14
07	MW-4MSD	1306371-002BMSD	3\R16550.D	06/19/13	4:44
08	MW-5	1306371-003B	3\R16551.D	06/19/13	5:13
09	MW-6	1306371-004B	3\R16552.D	06/19/13	5:42
10	DUP	1306371-005B	3\R16553.D	06/19/13	6:12
11	MW-2	1306437-001B	3\R16554.D	06/19/13	6:41
12	MW-3	1306437-002B	3\R16555.D	06/19/13	7:10

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: URS SAS No.: _____ SDG No.: URS158

Instrument ID: HP5973R Calibration Date: 6/18/2013 Time: 22:19

Lab File ID: \R16537R.D Init. Calib. Date(s): 05/28/13 05/28/13

EPA Sample No.(SSTD050##): SSTD025 Init. Calib. Times: 18:58 22:25

GC Column: R-5SILMS ID: .25 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Benzaldehyde	0.728	0.291		-60.0	
Phenol	1.510	1.293		-14.4	20.0
Bis(2-chloroethyl)ether	1.059	1.057		-0.1	
2-Chlorophenol	1.265	1.359		7.4	
2-Methylphenol	1.069	1.098		2.7	
2,2'-oxybis(1-chloropropane)	2.006	0.960		-52.1	
Acetophenone	1.604	1.734		8.1	
4-Methylphenol	1.118	1.142		2.1	
N-Nitroso-di-n-propylamine	0.837	0.830	0.050	-0.8	
Hexachloroethane	0.636	0.638		0.3	
Nitrobenzene	0.328	0.325		-1.1	
Isophorone	0.602	0.574		-4.7	
2-Nitrophenol	0.199	0.207		4.3	20.0
2,4-Dimethylphenol	0.343	0.375		9.3	
Bis(2-chloroethoxy)methane	0.347	0.339		-2.4	
2,4-Dichlorophenol	0.306	0.325		6.2	20.0
Naphthalene	1.015	1.024		0.9	
4-Chloroaniline	0.417	0.444		6.5	
Caprolactam	0.090	0.090		-0.2	
4-Chloro-3-methylphenol	0.279	0.299		7.1	20.0
2-Methylnaphthalene	0.704	0.734		4.2	
Hexachlorocyclopentadiene	0.411	0.346	0.050	-15.9	
2,4,6-Trichlorophenol	0.381	0.403		5.7	20.0
2,4,5-Trichlorophenol	0.399	0.411		3.1	
1,1'-Biphenyl	1.471	1.555		5.7	
2-Chloronaphthalene	1.163	1.155		-0.7	
2-Nitroaniline	0.307	0.306		-0.4	
Dimethylphthalate	1.354	1.402		3.5	
2,6-Dinitrotoluene	0.301	0.315		4.5	
Acenaphthylene	1.804	1.874		3.9	
3-Nitroaniline	0.365	0.389		6.5	
Acenaphthene	1.163	1.234		6.1	20.0
2,4-Dinitrophenol	0.139	0.167	0.050	20.3	
4-Nitrophenol	0.176	0.227	0.050	29.3	
Dibenzofuran	1.595	1.641		2.9	
2,4-Dinitrotoluene	0.388	0.430		10.8	
Diethylphthalate	1.416	1.464		3.4	
Fluorene	1.336	1.368		2.4	

All other compounds must meet a minimum RRF of 0.010.

URS158 B156

H2M labs

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR ORGANOPHOSPHOROUS PESTICIDES
SAMPLES RECEIVED: 6/7/13 & 6/8/13
SDG #: URS158

For Sample(s):

MW-1	DUP 06062013
MW-4	MW-2
MW-5	MW-3
MW-6	

water

The above ~~soil~~ sample(s) was/were analyzed for organophosphorous pesticides by EPA method 8141A.

6/24/13 A=

All Q. C. data and calibrations met the requirements of the method unless discussed below, and no problems were encountered with sample analysis. The following should be noted:

Sample MW-4 was analyzed as the matrix spike/matrix spike duplicate. All percent recoveries and RPDs were met. A lab fortified blank was analyzed, and recoveries indicate good method efficiency.

Positives were confirmed by reanalysis on a dissimilar analytical column. Sample MW-2 was reanalyzed to confirm methyl parathion, but no peak was detected.

Linear calibration was used for all analytes. In the confirmation analysis for methyl parathion on column RTX-CLP2, the RSD for the initial calibration of the surrogate methidathion exceeded 20%, and the reported surrogate recovery for the confirmation is regarded estimated. %D in the continuous calibration verification (CCV) for column RTX-CLP2 did not meet the criterion for variability for methyl parathion. The response was too low. Since no positive was detected, the sample was not reanalyzed.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: July 1, 2013

****
* Middel *
****

Ursula Middel
Technical Manager

URS158 A3

H2M labs

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR PESTICIDES/PCBS ANALYSIS
SAMPLES RECEIVED: 6/7/13 & 6/8/13
SDG #: URS158

For Sample(s):

MW-1	DUP 06062013
MW-4	MW-2
MW-5	MW-3
MW-6	

The above water sample(s) was/were analyzed for pesticides and aroclors by methods 8081A and 8082 in accordance with the NYSDEC ASP, Rev. 7/2005 and reported with the requested deliverables. The requested quantification limits are reported.

All Q. C. data and calibrations met the requirements of the protocol, unless discussed below. No problems were encountered with sample analysis. The following should be noted:

The sample extracts were split into aliquots for pesticides and PCB analyses. The PCB aliquots were cleaned up with sulfuric acid and TBA. The final extract volumes were 2 mL and 1 mL (for PCBs) to achieve the low reporting limits requested. The PCB aliquots are reported with the suffix "A".

Sample MW-4 was spiked with toxaphene for matrix spike/ matrix spike duplicate (MS/MSD) analysis. The percent recoveries and RPDs met the Q. C. limits. Note that some pesticides were identified as positives in the MS and MSD that were due to the toxaphene peaks. These pesticides were flagged with the qualifier "x" as toxaphene interferences.

Surrogate recoveries for the MS an MSD were very low with DCB results below the control limits. Since the toxaphene results are well within acceptance limits, it is suspected that a lower spike volume was used for the surrogates than recorded.

Lab fortified blanks (LFB) for the single peak pesticides mix, aroclors and toxaphene were analyzed and recoveries indicate good method efficiency.

In one continuous calibration verification, 4,4'-DDT and methoxychlor exceeded the variability criterion of a percent difference of 15% on both columns. The analytes were not found in the samples, but the reported recoveries for these analytes in the LFB are regarded estimated and may be biased high.

No positives are reported below the reporting limits.

H2M labs
575 Broad Hollow Road
Melville, NY 11747
tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR PESTICIDES/PCBS ANALYSIS
SAMPLES RECEIVED: 6/7/13 & 6/8/13
SDG #: URS158

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: July 3, 2013

****
* Middel *
****
Ursula Middel
Technical Manager

H 2 M labs

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR HERBICIDES ANALYSES
SAMPLES RECEIVED: 6/7/13 & 6/8/13
SDG #: URS158

For Sample(s):

MW-1	DUP 06062013
MW-4	MW-2
MW-5	MW-3
MW-6	

The above water sample(s) was/were analyzed for herbicides by EPA method 8151A. Picloram, dinoseb and 2,4-DB have been added to the originally reported list of herbicides. Please note that ELAP / NELAC do not offer certification for picloram.

All Q. C. data and calibrations met the requirements of the method unless discussed below, and no problems were encountered with sample analysis. The following should be noted:

Sample MW-4 was submitted for matrix spike / matrix spike duplicate (MS/MSD) analysis. All percent recoveries met the Q. C. limits, but the RPD for dinoseb exceeded the limit. Recoveries for the lab fortified blank(s) indicate good method efficiency.

Positives are reported to the practical detection limits of ½ of the reporting limits (PQL).

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: July 2, 2013
Date Revised: September 3, 2013

****
* *
* *
****

Ursula Middel
Technical Manager

URS158 A9 REVISED KV 11-Oct-13

H2M labs

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR METALS ANALYSES
SAMPLES RECEIVED: 6/7/13 & 6/8/13
SDG #: URS158

For Sample(s):

MW-1	DUP 06062013
MW-4	MW-2
MW-5	MW-3
MW-6	

The above water sample(s) was/were received by H2M Labs, Inc. for TAL metals analysis.

The samples were prepared and analyzed by EPA method 6010B with a TS ICAP 6000 instrument and methods 7470A/7471A with a Leeman HYDRA mercury analyzer.

All Q. C. data and calibrations met the requirements of the method unless discussed below, and no problems were encountered with sample analysis. The following should be noted:

Sample MW-4 was utilized for Q. C. analysis and reporting.

Spike analysis did not meet acceptance criteria for selenium. The sample was post spiked, reanalyzed and recovered at 92.1%. Selenium data were flagged with the qualifier "N" on forms 1 and 5A.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: July 2, 2013

****
* Middel *
****
Ursula Middel
Technical Manager

URS158 A7

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO
MW-4S

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No. SAS No.: SDG No.: URS158

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75-125	2036.0000		48.8000	B	2000.00	99.4		P
Antimony	75-125	505.1000		2.5430	B	500.00	100.5		P
Arsenic	75-125	40.3200		2.8000	U	40.00	100.8		P
Barium	75-125	1918.0000		46.9000	B	2000.00	93.6		P
Beryllium	75-125	51.2000		0.1000	U	50.00	102.4		P
Cadmium	75-125	50.3000		0.1000	U	50.00	100.6		P
Chromium	75-125	197.5000		1.5000	B	200.00	98.0		P
Cobalt	75-125	502.1000		0.5000	B	500.00	100.3		P
Copper	75-125	265.1000		2.2000	B	250.00	105.2		P
Iron	75-125	967.2000		55.8000	B	1000.00	91.1		P
Lead	75-125	29.2800		9.3400		20.00	99.7		P
Manganese	75-125	699.5000		153.8000		500.00	109.1		P
Mercury	75-125	1.2100		0.1000	U	1.00	121.0		CV
Nickel	75-125	509.4000		0.4000	B	500.00	101.8		P
Selenium	75-125	4.3130	B	2.3000	U	10.00	43.1	N	P
Silver	75-125	49.3100		0.2000	U	50.00	98.6		P
Thallium	75-125	48.8700		1.9000	U	50.00	97.7		P
Vanadium	75-125	519.4000		1.5000	B	500.00	103.6		P
Zinc	75-125	528.0000		8.4000	B	500.00	103.9		P

Comments:

URS158 M37

U.S. EPA - CLP

9

ICP SERIAL DILUTIONS

MW-4

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No. SAS No.: SDG No.: URS158

Matrix (soil/water): WATER Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	48.80	B	47.50	U	100.0		P
Antimony	2.54	B	6.00	U	100.0		P
Arsenic	2.80	U	14.00	U			P
Barium	46.90	B	40.50	B	13.6		P
Beryllium	0.10	U	0.50	U			P
Cadmium	0.10	U	0.50	U			P
Calcium	81030.00		82650.00		2.0		P
Chromium	1.50	B	10.00	B	566.7		P
Cobalt	0.50	B	2.00	U	100.0		P
Copper	2.20	B	2.00	U	100.0		P
Iron	55.80	B	36.00	B	35.5		P
Lead	9.34		7.12	B	23.7		P
Magnesium	14360.00		14955.00	B	4.1		P
Manganese	153.80		161.00		4.7		P
Nickel	0.40	B	1.50	U	100.0		P
Potassium	13490.00		10710.00	B	20.6	E	P
Selenium	2.30	U	11.50	U			P
Silver	0.20	U	1.00	U			P
Sodium	249900.00		256900.00		2.8		P
Thallium	1.90	U	9.50	U			P
Vanadium	1.50	B	1.50	U	100.0		P
Zinc	8.40	B	15.00	B	78.6		P

URS158 M43

U.S. EPA - CLP

3
BLANKS

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No. SAS No.: SDG No.: URS158

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

6/26/13

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum	9.5	U	22.4	B	9.5	U	38.6	B	9.500	U	P
Antimony	-1.3	B	1.2	U	1.2	U	1.2	U	1.200	U	P
Arsenic	2.8	U	2.8	U	2.8	U	2.8	U	2.800	U	P
Barium	3.7	U	3.7	U	3.7	U	3.7	U	3.700	U	P
Beryllium	0.1	U	0.1	U	0.1	U	0.1	U	0.100	U	P
Cadmium	0.4	B	0.3	B	0.2	B	0.2	B	0.100	U	P
Calcium	5.3	U	24.6	B	5.3	U	39.8	B	6.600	B	P
Chromium	0.4	U	0.4	U	0.4	U	0.4	U	0.400	U	P
Cobalt	0.6	B	0.4	U	0.4	U	0.4	U	0.400	U	P
Copper	-3.3	B	0.4	U	-0.5	B	-2.4	B	0.400	U	P
Iron	3.6	B	9.8	B	1.8	U	16.3	B	1.800	U	P
Lead	1.0	B	2.3	B	1.7	B	1.7	B	2.380	B	P
Magnesium	16.9	U	20.4	B	16.9	U	25.8	B	16.900	U	P
Manganese	0.2	B	0.2	B	0.1	U	0.3	B	0.600	B	P
Nickel	1.1	B	0.7	B	0.3	U	0.8	B	0.600	B	P
Potassium	49.0	U	49.0	U	-100.0	B	-120.0	B	49.000	U	P
Selenium	2.3	U	2.3	U	-3.8	B	2.3	U	2.300	U	P
Silver	0.5	B	0.3	B	0.2	U	0.2	U	0.362	B	P
Sodium	1261.3	U	1261.3	U	1261.3	U	1261.3	U	1260.000	U	P
Thallium	1.9	U	1.9	U	1.9	U	1.9	U	1.900	U	P
Vanadium	0.3	U	0.3	U	0.3	B	0.3	U	0.300	U	P
Zinc	0.3	U	0.5	B	0.3	U	0.8	B	1.600	B	P

URS158 M33

U.S. EPA - CLP

14
ANALYSIS RUN LOG

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No. SAS No.: SDG No.: URS158

Instrument ID Number: ICAP6000 Method: P

Start Date: 06/26/2013 End Date: 06/26/2013

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
SO	1.00	1146		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
S	1.00	1150			X																	X					
S	1.00	1154		X						X				X		X											
S	1.00	1159				X									X						X			X			
S	1.00	1203					X	X	X		X	X	X						X						X	X	
S	1.00	1207												X													
S	1.00	1212																		X			X				
ICV	1.00	1216		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ICV	1.00	1220												X													
ICB	1.00	1225		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1229																									
CRI	1.00	1233			X	X		X	X		X	X	X		X		X		X		X	X		X	X	X	
ICSA	1.00	1238		X		X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
ICSAB	1.00	1242		X		X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
CCV	1.00	1247		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV	1.00	1251												X													
CCB	1.00	1256		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1300																									
ZZZZZZ	1.00	1304																									
ZZZZZZ	1.00	1309																									
ZZZZZZ	1.00	1313																									
ZZZZZZ	1.00	1317																									
ZZZZZZ	5.00	1321																									
ZZZZZZ	1.00	1326																									
ZZZZZZ	1.00	1330																									
PBW	1.00	1334		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
LCSW	1.00	1338		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV	1.00	1343		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV	1.00	1347												X													
CCB	1.00	1351		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
MW-2	1.00	1356		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1400																									
ZZZZZZ	1.00	1404																									
ZZZZZZ	5.00	1408																									
ZZZZZZ	1.00	1413																									

URS158 M57

U.S. EPA - CLP

14
ANALYSIS RUN LOG

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No. SAS No.: SDG No.: URS158

Instrument ID Number: ICAP6000 Method: P

Start Date: 06/26/2013 End Date: 06/26/2013

EPA Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
MW-3	1.00	1417		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CRI	1.00	1421			X	X		X	X		X	X	X		X		X		X		X	X		X	X	X	
ICSA	1.00	1426		X		X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
ICSAB	1.00	1430		X		X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
CCV	1.00	1435		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV	1.00	1439												X													
CCB	1.00	1444		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1448																									
ZZZZZZ	1.00	1459																									
ZZZZZZ	1.00	1503																									
ZZZZZZ	1.00	1508																									
ZZZZZZ	1.00	1512																									
ZZZZZZ	1.00	1516																									
ZZZZZZ	1.00	1520																									
ZZZZZZ	1.00	1525																									
ZZZZZZ	1.00	1529																									
ZZZZZZ	1.00	1533																									
ZZZZZZ	1.00	1538																									
ZZZZZZ	1.00	1542																									
ZZZZZZ	1.00	1546																									
ZZZZZZ	1.00	1551																									
ZZZZZZ	5.00	1555																									
ZZZZZZ	1.00	1559																									
ZZZZZZ	1.00	1603																									
ZZZZZZ	1.00	1608																									
ZZZZZZ	1.00	1612																									
ZZZZZZ	1.00	1616																									
ZZZZZZ	1.00	1621																									
ZZZZZZ	1.00	1625																									
ZZZZZZ	1.00	1630																									
ZZZZZZ	1.00	1634																									

URS158 M58

U.S. EPA - CLP

3
BLANKS

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No. SAS No.: SDG No.: URS158

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

6/11/13

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum	9.5	U	9.8	B	9.5	U	9.5	U	9.500	U	P
Antimony	2.9	B	2.4	B	-3.2	B	-2.5	B	1.200	U	P
Arsenic	2.8	U	2.8	U	2.8	U	2.8	U	2.800	U	P
Barium	3.7	U	3.7	U	3.7	U	3.7	U	3.700	U	P
Beryllium	-0.5	B	-0.3	B	-0.4	B	-0.4	B	0.100	U	P
Cadmium	-0.3	B	0.1	U	-0.2	B	-0.3	B	0.100	U	P
Calcium	-12.0	B	5.3	U	-8.8	B	-7.8	B	5.300	U	P
Chromium	1.1	B	1.3	B	0.9	B	1.0	B	1.400	B	P
Cobalt	0.4	U	0.4	U	0.4	U	0.4	U	0.400	U	P
Copper	0.9	B	0.9	B	2.2	B	-2.3	B	0.400	U	P
Iron	1.8	U	5.9	B	1.8	U	1.8	U	1.800	U	P
Lead	1.0	U	-1.3	B	1.0	U	1.0	U	1.000	U	P
Magnesium	-21.0	B	16.9	U	16.9	U	-18.0	B	16.900	U	P
Manganese	-0.4	B	-0.2	B	-0.3	B	-0.3	B	0.100	U	P
Nickel	-0.5	B	-0.6	B	-0.7	B	0.3	U	0.300	U	P
Potassium	247.0	B	-3000.0	B	-2700.0	B	-250.0	B	49.000	U	P
Selenium	2.3	U	-4.6	B	-3.8	B	2.3	U	2.300	U	P
Silver	-0.4	B	-0.8	B	-0.9	B	-1.4	B	0.200	U	P
Sodium	1261.3	U	1261.3	U	1261.3	U	1261.3	U	1260.000	U	P
Thallium	1.9	U	1.9	U	1.9	U	1.9	U	1.900	U	P
Vanadium	0.3	U	0.3	B	0.3	U	0.3	U	0.300	U	P
Zinc	-1.0	B	-0.6	B	-0.8	B	-0.6	B	0.300	U	P

URS158 M30

U.S. EPA - CLP

3
BLANKS

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No. SAS No.: SDG No.: URS158

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum			9.5	U	9.5	U	9.5	U			P
Antimony			-1.3	B	1.2	U	1.2	U			P
Arsenic			2.8	U	2.8	U	2.8	U			P
Barium			3.7	U	3.7	U	3.7	U			P
Beryllium			-0.4	B	-0.4	B	-0.5	B			P
Cadmium			-0.3	B	-0.3	B	-0.3	B			P
Calcium			-13.0	B	-12.0	B	-9.8	B			P
Chromium			1.1	B	1.1	B	1.3	B			P
Cobalt			0.4	U	0.4	U	0.4	U			P
Copper			0.4	U	-2.1	B	-2.2	B			P
Iron			-3.1	B	-3.2	B	-3.6	B			P
Lead			1.0	U	1.0	U	-1.5	B			P
Magnesium			-25.0	B	16.9	U	16.9	U			P
Manganese			-0.4	B	-0.4	B	0.1	U			P
Nickel			-0.8	B	-1.0	B	-0.5	B			P
Potassium			-1300.0	B	-1800.0	B	172.0	B			P
Selenium			-3.4	B	2.3	U	2.3	U			P
Silver			-0.9	B	-1.5	B	-1.6	B			P
Sodium			1261.3	U	1261.3	U	1261.3	U			P
Thallium			1.9	U	1.9	U	1.9	U			P
Vanadium			0.3	U	0.3	U	-0.3	B			P
Zinc			-1.0	B	-0.7	B	0.4	B			P

URS158 M31

U.S. EPA - CLP

3
BLANKS

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No. SAS No.: SDG No.: URS158

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum			9.5	U							P
Antimony			1.2	U							P
Arsenic			2.8	U							P
Barium			3.7	U							P
Beryllium			-0.4	B							P
Cadmium			-0.3	B							P
Calcium			-12.0	B							P
Chromium			0.8	B							P
Cobalt			0.4	U							P
Copper			0.4	U							P
Iron			1.8	U							P
Lead			1.0	U							P
Magnesium			16.9	U							P
Manganese			-0.4	B							P
Nickel			-0.6	B							P
Potassium			440.0	B							P
Selenium			2.3	U							P
Silver			-1.2	B							P
Sodium			1261.3	U							P
Thallium			1.9	U							P
Vanadium			-0.3	B							P
Zinc			-0.4	B							P

URS158 M32

U.S. EPA - CLP

14
ANALYSIS RUN LOG

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No. SAS No.: SDG No.: URS158

Instrument ID Number: ICAP6000 Method: P

Start Date: 06/11/2013 End Date: 06/11/2013

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	1033		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
S	1.00	1037			X																	X					
S	1.00	1042		X						X				X		X											
S	1.00	1046				X									X						X			X			
S	1.00	1050					X	X	X		X	X	X				X		X						X	X	
S	1.00	1055												X													
S	1.00	1059																		X			X				
ICV	1.00	1104		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ICV	1.00	1108												X													
ICB	1.00	1112		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1117																									
CRI	1.00	1121			X	X		X	X		X	X	X		X		X		X		X	X		X	X	X	
ICSA	1.00	1125		X		X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
ICSAB	1.00	1130		X		X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
CCV ①	1.00	1135		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV	1.00	1139												X													
CCB	1.00	1143		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1148																									
LCSW	1.00	1154		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1158																									
ZZZZZZ	1.00	1203																									
ZZZZZZ	1.00	1207																									
ZZZZZZ	1.00	1211																									
ZZZZZZ	1.00	1216																									
ZZZZZZ	1.00	1220																									
ZZZZZZ	1.00	1224																									
ZZZZZZ	1.00	1229																									
CCV	1.00	1233		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV ②	1.00	1237												X													
CCB	1.00	1242		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1246																									
ZZZZZZ	1.00	1250																									
ZZZZZZ	1.00	1255																									
ZZZZZZ	1.00	1259																									
ZZZZZZ	1.00	1303																									

URS158 M54

U.S. EPA - CLP

14
ANALYSIS RUN LOG

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No. SAS No.: SDG No.: URS158

Instrument ID Number: ICAP6000 Method: P

Start Date: 06/11/2013 End Date: 06/11/2013

EPA Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN			
ZZZZZZ	1.00	1308																												
MW-1	1.00	1312		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
MW-4	1.00	1316		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
MW-4D	1.00	1321		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
MW-4S	1.00	1325		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
CCV	1.00	1330		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
CCV (5)	1.00	1334												X																
CCB	1.00	1339		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
MW-4L	5.00	1343		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
MW-4A	1.00	1347																			X									
MW-5	1.00	1352		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
MW-6	1.00	1356		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
P 06062013	1.00	1401		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
PBW	1.00	1405		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
ZZZZZZ	1.00	1409																												
ZZZZZZ	1.00	1414																												
ZZZZZZ	1.00	1418																												
ZZZZZZ	1.00	1422																												
CCV	1.00	1427		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
CCV (4)	1.00	1431												X																
CCB	1.00	1436		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
ZZZZZZ	1.00	1440																												
ZZZZZZ	1.00	1444																												
ZZZZZZ	1.00	1449																												
ZZZZZZ	1.00	1453																												
ZZZZZZ	1.00	1457																												
ZZZZZZ	1.00	1501																												
ZZZZZZ	1.00	1506																												
ZZZZZZ	1.00	1510																												
ZZZZZZ	1.00	1515																												
ZZZZZZ	1.00	1519																												
CCV	1.00	1524		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
CCV (5)	1.00	1528												X																
CCB	1.00	1532		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
ZZZZZZ	1.00	1537																												

URS158 M55

U.S. EPA - CLP

14
ANALYSIS RUN LOG

Lab Name: H2M LABS INC Contract:

Lab Code: H2M Case No. SAS No.: SDG No.: URS158

Instrument ID Number: ICAP6000 Method: P

Start Date: 06/11/2013 End Date: 06/11/2013

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	1.00	1541																									
ZZZZZZ	1.00	1545																									
ZZZZZZ	1.00	1550																									
ZZZZZZ	1.00	1554																									
ZZZZZZ	1.00	1559																									
ZZZZZZ	1.00	1603																									
ZZZZZZ	1.00	1608																									
ZZZZZZ	1.00	1612																									
ZZZZZZ	1.00	1617																									
CCV	1.00	1622		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV	1.00	1626												X													
CCB	1.00	1630		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1635																									
ZZZZZZ	1.00	1639																									
CRI	1.00	1644			X	X		X	X		X	X	X		X		X		X		X	X		X	X	X	
ICSA	1.00	1648		X		X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
ICSAB	1.00	1653		X		X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
CCV	1.00	1657		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV	1.00	1701												X													
CCB	1.00	1706		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	

URS158 M56

DATA USABILITY SUMMARY REPORT

OLD AGWAY STORE REMEDIAL INVESTIGATION – PHASE II
WORK ASSIGNMENT NO. D007622-17
SITE ID# 546021
BALLSTON SPA
SARATOGA COUNTY, NEW YORK

Analyses Performed by:

PACE ANALYTICAL
MELVILLE, NEW YORK

Prepared for:

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
REMEDIAL BUREAU B

Prepared by:

URS CORPORATION
257 WEST GENESEE STREET, SUITE 400
BUFFALO, NY 14202-2657

SEPTEMBER 2014

TABLE OF CONTENTS

Page No.

I. INTRODUCTION 1

II. ANALYTICAL METHODOLOGIES and data validation procedures 1

III. DATA DELIVERABLE COMPLETENESS 2

IV. SAMPLE RECEIPT/ PRESERVATION/HOLDING TIMES 2

V. NON-CONFORMANCES 3

VI. SAMPLE RESULTS AND REPORTING 9

VII. SUMMARY 10

TABLES

(Following Text)

Table 1 Summary of Data Qualifications

Table 2 Validated Soil Sample Analytical Results

Table 3 Validated Groundwater Sample Analytical Results

Table 4 Validated Leachate Sample Analytical Results

Table 5 Validated Field QC Sample Analytical Results

ATTACHMENTS

Attachment A – Support Documentation

I. INTRODUCTION

This Data Usability Summary Report (DUSR) has been prepared following the guidelines provided in New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation *DER-10 Technical Guidance for Site Investigation and Remediation*, Appendix 2B - *Guidance for Data Deliverables and the Development of Data Usability Summary Reports,* May 2010.

II. ANALYTICAL METHODOLOGIES AND DATA VALIDATION PROCEDURES

The data being evaluated are from the April 28-29, 2014 collection of 37 soil samples (surface, subsurface and hand-auger), 5 field duplicates, 1 matrix spike/matrix spike duplicate (MS/MSD) pair, and 2 equipment rinsate blanks; and the May 6-7, 2014 collection of 10 groundwater samples, 1 field duplicate, 1 MS/MSD pair, 1 trip blank, and 1 leachate sample plus 1 field duplicate. The analytical laboratory that performed the analyses is Pace Analytical located in Melville, NY (formerly H2M Labs). The samples were analyzed for the following parameters. Due to insufficient soil sample volume, MS/MSDs could not be collected at the appropriate frequency (i.e., 1 per 20 samples).

Matrix	Parameter	Method
Soil/Groundwater/ Leachate	Target Compound List (TCL) Volatile Organic Compounds (VOCs) plus Tentatively Identified Compounds (TICs)	SW8260C
	TCL Semivolatile Organic Compounds (SVOCs) plus TICs	SW8270D
Leachate	TCL Organophosphorous (OP) Pesticides	SW8141A
Soil/Groundwater/ Leachate	TCL Organochlorine (OC) Pesticides	SW8081B
	TCL Herbicides	SW8151A
	Target Analyte List (TAL) Metals	SW6010B\7471A\7470A

A limited data validation was performed following the guidelines in the following USEPA Region II documents:

- *Validating Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry, SW-846 Method 8260B*, SOP HW-24, Rev. 2, August 2008;
- *Validating Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry, SW-846 Method 8270D*, SOP HW-22, Rev. 4, August 2008;
- *Validating Pesticide Compounds, Organochlorine Pesticidess by Gas Chromatography SW-846 Method 8081B,* SOP HW-44, Rev. 1, October 2006;
- *Validating Chlorinated Herbicides by Gas Chromatography SW-846 Method 8151A,* SOP HW-45, Rev. 2, September 2006;
- *ICP-AES Data Validation*, SOP HW-2a, Rev. 15, December 2012; and
- *Mercury and Cyanide Data Validation*, SOP HW-2c, Rev. 15, December 2012.

Qualifications applied to the data during the limited data validation include 'R' (rejected), 'NJ' (tentatively identified, approximate concentration), 'J' (estimated concentration), 'J+' (estimated concentration, biased high), 'U' (non-detect), and 'UJ' (estimated quantitation limit). Definitions of USEPA data qualifiers are presented at the end of this text. A summary of data qualifications is presented on Table 1. The validated analytical results are presented on Table 2 (soil), Table 3 (groundwater), Table 4 (leachate), and Table 5 (field QC). Documentation supporting the qualification of data is presented in Attachment A. Only analytical deviations affecting data usability are discussed in this report.

III. DATA DELIVERABLE COMPLETENESS

The laboratory deliverable data packages were equivalent to NYSDEC Analytical Services Protocol (ASP) Category B requirements.

IV. SAMPLE RECEIPT/ PRESERVATION/HOLDING TIMES

All samples were received by the laboratory intact, properly preserved and under proper chain-of-custody, except for the following instances.

- The field technician did not designate soil MS/MSD or field duplicate analyses on the COCs at the appropriate frequency (1 per 20 samples) due to limited sample volume. However, the laboratory was able to perform MS/MSD analyses on site-specific samples. Therefore, matrix accuracy and precision was able to be properly evaluated on all analytical batches.

- For soil sample MW-7 (2-4), the 8 oz. sample jar for the non-VOC parameters was received broken by the laboratory. Whereupon, they transferred the soil contents to an intact 8 oz. jar. Due to the persistent nature in the environment of the non-VOC parameters in soils, the sample transfer does not significantly impact the SVOC, pesticide, herbicide, and metals data. Therefore, using professional judgment no data qualification was deemed necessary.

All samples were analyzed within the required holding times, except for the following instances.

- The OC pesticide re-extractions of soil samples HA-DUP1 [(HA-7 (0-2)] and HA-9 (2-4) were performed 7 days outside holding time (i.e., 7 days from collection). The re-extraction results for these two samples were qualified 'J' or 'UJ'. The soil samples required re-extraction due to low surrogate recovery in the initial analyses. Since the surrogate recoveries in the re-extractions were within QC limits, the initial data was deemed unusable (i.e., Form 1s crossed out).

- The OP pesticide extractions of the Leachate sample and corresponding field duplicate 20140507FD-1 were performed 1 day outside holding time (i.e., 7 days from collection) due to a laboratory oversight. The OP pesticide results for these two samples were qualified 'UJ'.

V. NON-CONFORMANCES

- **Surrogates**

  The percent recovery (%R) of VOC surrogate toluene-d_8 was above the QC limit in the soil sample MW-10 (8-10). The sample was re-analyzed with similar result,

indicating matrix interference. The detected VOC results in this sample have been qualified 'J'.

The %R of herbicide surrogate 2,4-dichlorophenylacetic acid (DCAA) was above QC limits on the primary column in the soil samples listed on Table 1. The detected herbicide results from the affected column (not previously qualified 'NJ' or 'R' due to dual-column precision outliers) in these soil samples have been qualified 'J'.

- **Instrument Calibration**

The percent difference (%D) between the initial calibration standards (ICAL) average relative response factor (RRF) and the RRF in one or more of the continuing calibration (CCAL) standards associated with the soil samples exceeded the QC limit of 20% for one or more of the following VOCs: 1,2-dichloroethane, 1,2,4-trichlorobenzene, 2-butanone, 2-hexanone, 4-methyl-2-pentanone, acetone, bromomethane, carbon disulfide, chloromethane, dichlorodifluoromethane, methyl acetate, methylcyclohexane, and/or vinyl chloride. The results for these compounds in the associated soil samples listed on Table 1 were qualified 'J' or 'UJ'.

The %D between the ICAL average RRF and the RRF in one or more of the CCAL standards associated with the groundwater/leachate and field QC samples exceeded the QC limit of 20% for one or more of the following VOCs: 2-hexanone and bromomethane. The results for these compounds in the associated samples listed on Table 1 were qualified 'UJ'.

The %D between the ICAL average RRF and the RRF in one or more of the CCAL standards associated with the soil and rinsate blank samples exceeded the QC limit of 20% for one or more of the following SVOCs: benzaldehyde, 2-chlorophenol, 4,6-dinitro-2-methylphenol, 2,4-dinitrophenol, 2,4-dinitrotoluene, 2-nitroaniline, 4-nitrophenol, 2,2'-oxybis(1-chloropropane), benzo(g,h,i)perylene, bis(2-chloroethyl)ether, bis(2-chloroethoxy)methane, bis (2-ethylhexyl)phthalate, di-n-octyl phthalate, hexachlorocyclopentadiene, and/or pentachlorophenol. The results for these compounds in the associated samples listed on Table 1 have been qualified 'J' or 'UJ'.

The %D between the ICAL average RRF and the RRF in one or more of the CCAL standards associated with the groundwater/leachate and field QC samples exceeded the QC limit of 20% for SVOC pentachlorophenol. The results for pentachlorophenol in the associated groundwater samples listed on Table 1 have been qualified 'UJ'.

- **Matrix Spikes/Matrix Duplicates (MS/MD)**

  The OC pesticide MS/MSD on soil sample HA-7S (0-2) was spiked with toxaphene only and not all target pesticides. Therefore, matrix accuracy and precision could not be properly evaluated on this sample for all target OC pesticides. However, since the MS/MSD results for toxaphene were within QC limits, no data qualification was necessary.

  The metals MS performed on soil sample HA-7S (0-2) was above QC limits (i.e., >125%) for arsenic (As) and below QC limits for selenium (Se) and thallium (Tl). The post-digestion spike was within QC limits for these metals. The As, Se, and Tl results for this soil sample have been qualified 'J' or 'UJ, as listed on Table 1. The iron (Fe) and lead (Pb) results were also outside QC limits, but the sample concentrations were greater than 4x the spike level, therefore, no further qualification of the data was necessary.

  The metals MS performed on soil sample HA-10 (0-2) was above QC limits for As, chromium (Cr), and Tl. The post-digestion spike was within QC limits for Cr and Tl, but above QC limits for As. The As result for this sample was qualified 'J+', while the Cr result was qualified 'J', as listed on Table 1. Since, Tl was not detected in this sample, the Tl result did not warrant data qualification. The iron (Fe) and lead (Pb) results were also outside QC limits, but the sample concentrations were greater than 4x the spike level, therefore, no further qualification of the data was necessary.

  The metals MS performed on groundwater sample MW-4 was below QC limit for Pb and silver (Ag). The Pb and Ag results for this groundwater sample and corresponding field duplicate 20140507-FD-2 have been qualified 'J' and 'UJ', respectively, as listed on Table 1.

The metals MD performed on soil sample MW-9 (4-6) was above the relative percent difference (RPD) QC limit of 35% (for sample and duplicate values >5x QL) for Pb and mercury (Hg). The Pb and Hg results for this soil sample have been qualified 'J', as listed on Table 1.

The metals MD performed on soil sample HA-7S (0-2) was above the QC limit of absolute %D >QL (for sample and/or duplicate values ≤QL) for Se. The Se result for this sample has been previously qualified 'UJ' due to an MS outlier.

- **Laboratory Control Samples (LCS)**

  The aqueous VOC LCSs were below QC limits for 1,1-dichloroethene, bromomethane, chloromethane, and/or vinyl chloride. The non-detect results for these compounds in the associated field QC samples listed on Table 1 have been qualified 'UJ'.

  The aqueous SVOC LCS was below QC limits for 1,1-biphenyl, 2,2'-oxybis(1-chloropropane), and/or hexachloroethane. The non-detect results for these compounds in the associated aqueous samples listed on Table 1 have been qualified 'UJ'.

- **Serial Dilutions**

  The serial dilution performed on soil sample MW-9 (4-6) exceeded the QC limit of 15% for Cr, cobalt (Co), Fe, magnesium (Mg), manganese (Mn), and potassium (K). The detected for these metals for this sample have been qualified 'J', as listed on Table 1.

  The serial dilution performed on soil sample HA-10 (0-2) exceeded the QC limit of 15% for nickel (Ni) and As. The detected Ni result for this sample have been qualified 'J', as listed on Table 1. The As result for this sample was previously qualified 'J+' due to a MS outlier.

  The serial dilution performed on groundwater sample MW-4 exceeded the QC limit of 15% for barium (Ba), Mn, and K. The detected results for these metals for this groundwater sample and corresponding field duplicate 20140507-FD-2 have been qualified 'J', as listed on Table 1.

- **Method/Preparation Blanks**

  Acetone and/or methylene chloride were detected in the VOC method blanks/rinsate blanks associated with the soil samples listed on Table 1. Associated sample results less than the quantitation limit (QL) or less than ten times the associated blank results were qualified 'U' at the QL or detected value (whichever was higher).

  Acetophenone and/or bis-(2-ethylhexyl)phthalate was detected in the SVOC method blanks associated with the soil samples listed on Table 1. Associated sample results less than the QL or less than ten times the associated blank results were qualified 'U' at the QL or detected value (whichever was higher).

  Sodium (Na) and/or Tl was detected below the QL in the metals preparation blanks associated with the soil samples and Se was detected in the preparation blank associated with the groundwater samples listed on Table 1. Those samples that had concentrations of these metals less than the QL have been qualified 'U' at the QL.

- **Initial and Continuing Calibration Blanks**

  Arsenic (As), beryllium (Be), Co, and/or Tl were detected above the method detection limit (MDL), but below the QL in the initial and/or continuing calibration blanks (ICB/CCB) associated with the soil and aqueous samples listed on Table 1. Those samples that had concentrations of these metals less than the QL were qualified 'U' at the detected values.

- **Rinsate Blanks**

  Bis-(2-ethylhexyl)phthalate was detected in the rinsate blank (hand auger) associated with the soil samples listed on Table 1. Associated sample results less than the QL or less than ten times the associated blank results were qualified 'U' at the QL or detected value (whichever was higher).

  Be, Co, Mg, Ni, K, Se, Ag, and/or Na were detected above the MDL, but below the QL in the rinsate blanks associated with the soil samples listed on Table 1. Those samples that had concentrations of these metals less than the QL were qualified 'U' at the detected values.

- **Internal Standards (VOCs and SVOCs only)**

  The %Rs of VOC internal standard (IS) chlorobenzene-d_5 was below the QC limit in the soil sample MW-10 (8-10). The sample was re-analyzed with a similar IS result, thus indicating matrix interference. The re-analysis results have been reported on Table 2 (since the %R was improved in the re-analysis) and the VOCs associated with the IS outlier qualified 'J' or 'UJ'.

- **Chromatography**

  The %Ds between the dual-column analyses for the soil samples exceeded QC limits (>25%) for one or more of the following OC/OP pesticides and/or herbicides: 2,4,5-T, 2,4,5-TP (silvex), 2,4-D, 2,4-DB, 4,4'-DDE, 4,4'-DDT, beta-BHC, gamma-BHC, dicamba, dieldrin, and/or dinoseb. The OP/OC pesticides and herbicides results for the affected soil samples have been qualified 'J', 'NJ', 'U', or 'R' in accordance with the following validation guidelines.

Parameter	% Difference	Qualifier
OC/OP Pesticides	0 – 25%	none
	26-70%	'J'
	71-100%	'NJ'
	101-200% (interference detected)	'NJ'
	>50% (value is < QL on both columns)	'U'
	>201%	'R'
Herbicides	0 – 25%	none
	26-50%	'J'
	50-90%	'NJ'
	>90%	'R'

The affected samples and their corresponding compound %Ds can be found in the support documentation (i.e., Form 10s) provided in Attachment A.

For OC pesticides, during the 2013 sampling event the laboratory attempted to perform florisil cleanup on the soil extracts prior to analysis (removes polar compound interference), but the resultant chromatography did not significantly improve. The laboratory believed the matrix interference present in the soil samples was generally

non-polar in nature. Based on historical data for this site, the laboratory only performed a gel permeation chromatography (GPC) cleanup procedure on the soil extracts during the 2014 sampling event in an attempt to clarify the chromatography. GPC removes a wide variety of high molecular weight compounds (e.g., lipids, polymers, proteins, etc.). In many cases the soil samples still exhibited significant matrix interference resulting in high %Ds between the OC pesticide dual-column analyses.

- **Field Duplicates**

  Soil field duplicates were collected at soil locations HA-7 (0-2), HA-7 (2-4), MW-7 (14-16), MW-9 (12-14), and MW-10 (8-10). For sample HA-7 (0-2) and field duplicate HA-DUP1, the %RPD for Pb exceeded the QC limit of 50%. For sample HA-7 (2-4) and field duplicate HA-DUP2, the absolute %D was greater than 2x the QL for Mg. For sample MW-7 (14-16) and field duplicate MW-7 (DUP1), the %RPDs for aluminum (Al), vanadium (V) and zinc (Zn) were greater than 50%, while the absolute %Ds for As, Ba, copper (Cu), Ni, K, and Se were greater than 2x the QL. For sample MW-9 (12-14) and field duplicate MW-9 (DUP1), the %RPD for calcium (Ca), Cu, Mn, and Zn exceeded the QC limit of 50%. For sample MW-10 (8-10) and field duplicate MW-10 (DUP1), the %RPD for Ca was greater than 50%, while the absolute %D for Pb was greater than 2x the QL. The detected results for the affected metals in the corresponding parent and field duplicate samples have been qualified 'J', as listed on Table 1.

  Aqueous field duplicates were collected at groundwater location MW-04 and Leachate. The field duplicate analyses exhibited good field and analytical precision.

VI. SAMPLE RESULTS AND REPORTING

All quantitation/detection limits were reported in accordance with method requirements and were adjusted for sample volume, moisture content, and dilution factors. Results below the quantitation limits were qualified 'J' by the laboratory.

The detected acetone result in sample MW-9 (12-14) was qualified 'U' (non-detect) based on the professional judgment of the data reviewer. This sample was analyzed immediately

after a sample that had a high result for acetone (i.e., 'E' value - over the calibration curve). There is a possibility that some of the acetone detected could be due to carryover from the previous sample. The method and rinsate blanks associated with this sample also exhibited contamination for acetone, although at a lower level. In addition, the field duplicate of this sample (MW-9 DUP1) was qualified as non-detect for acetone due to blank contamination.

Several soil required secondary dilutions due to the nature of the sample matrix and/or high levels to target compounds. Results reported from secondary dilutions were qualified 'D' by the laboratory. The quantitation limits reported for the non-detect samples are the lowest achievable at the diluted level.

For TICs (VOC and SVOC only), some were identified as "aldol condensation products", "column bleed", and/or "method blank contamination". TICs identified as such should be considered suspect and do not accurately representative the sample matrix. Although TIC results were reviewed during the data validation, they are not reported in this DUSR, thus the results will be kept on file and will only be made available upon request.

Low-level OC/OP pesticides and herbicides were positively identified [slightly above their corresponding method detection limits (MDLs)] in the raw data and noted during the data validation, but were reported as non-detect ('U') by the laboratory. False-negative results questioned during the data validation were reviewed by the laboratory and the data packages were revised and resubmitted as necessary. Note, the laboratory's standard operating procedure is to not report low-level positive results below ½ QL.

VII. SUMMARY

All sample analyses were found to be compliant with the method and validation criteria, except where previously noted. Those results qualified 'R' are considered unusable. Those results qualified 'J', 'J+', 'NJ', 'U', and 'UJ' are considered conditionally usable. All other sample results are usable as reported. URS does not recommend the recollection of any samples at this time.

Prepared By: Ann Marie Kropovitch, Chemist AMK **Date:** 9/18/14

Reviewed By: Peter R. Fairbanks, Senior Chemist PF **Date:** 9/18/14

DEFINITIONS OF USEPA DATA QUALIFIERS

U – The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.

J – The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

(J+) - The result is an estimated quantity. The associated numerical value is biased high.

UJ – The analyte was analyzed for, but not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

R – The data are unusable. The sample results are rejected due to serious deficiencies in meeting quality control criteria. The analyte may or may not be present in the sample.

D – The sample result was reported from a secondary dilution analysis.

NJ – The analysis indicates the presence of an analyte that has been "tentatively identified' and the associated numerical value represents its approximate concentration.

TABLE 1 OLD AGWAY REMEDIAL INVESTIGATION – PHASE II SUMMARY OF DATA QUALIFICATIONS			
SAMPLE ID	**FRACTION**	**ANALYTICAL DEVIATION**	**QUALIFICATION**
SOIL SAMPLES			
MW-10 (8-10)	VOCs	Surrogate toluene-d_8 %R > QC limit.	Qualify detected results 'J'.
EQMT BLK1	VOCs	LCS %R < QC limit for 1,1-dichloroethene, bromomethane, and vinyl chloride.	Qualify non-detect results 'UJ'.
EQMT BLK2	VOCs	LCS %R < QC limit for 1,1-dichloroethene, bromomethane, chloromethane, and vinyl chloride.	Qualify non-detect results 'UJ'.
HA-9S (0-2)	VOCs	CCAL %D > 20% for 2-butanone, 1,2-dichloroethane, 2-hexanone, 4-methyl-2-pentanone, 1,2,4-trichlorobenzene, acetone, dichlorodifluoromethane, methyl acetate, and methylcyclohexane.	Qualify non-detect results 'UJ'.
EQMT BLK1 and EQMT BLK2	VOCs	CCAL %D > 20% for 1,2,4-trichlorobenzene, acetone, bromomethane, carbon disulfide, chloromethane, dichlorodifluoromethane, methyl acetate, and vinyl chloride.	Qualify detected results 'J' and non-detect results 'UJ'.
MW-7 (0-2), MW-7 (2-4), MW-7 (4-6), MW-7 (6-8), MW-7 (10-12), MW-7 (12-14), MW-7 (14-16), MW-7 DUP1 [MW-7 (14-16)] MW-9 (0-2), MW-9 (2-4), MW-9 (4-6), MW-9 (6-8), and MW-9 (8-10)	VOCs	CCAL %D > 20% for 2-butanone, 2-hexanone, 4-methyl-2-pentanone, acetone, dichlorodifluoromethane, and methylcyclohexane.	Qualify detected results 'J' and non-detect results 'UJ'.
HA-6 (0-2), HA-6 (2-4), HA-6S (0-2), HA-7 (0-2), HA-DUP1 [HA-7 (0-2)], HA-7 (2-4), HA-7S (0-2), MW-7 (8-10), HA-8 (0-2), HA-8 (2-4), and HA-8S (0-2)	VOCs	CCAL %D > 20% for 2-butanone, 2-hexanone, 4-methyl-2-pentanone, acetone, dichlorodifluoromethane, methyl acetate, and methylcyclohexane.	Qualify detected results 'J' and non-detect results 'UJ'.
MW-10 (8-10) and MW-10 DUP1 [MW-10 (8-10)]	VOCs	CCAL %D > 20% for 2-butanone, 2-hexanone, 4-methyl-2-pentanone, acetone, dichlorodifluoromethane, methyl acetate, and methylcyclohexane.	Qualify non-detect results 'UJ'.

TABLE 1 OLD AGWAY REMEDIAL INVESTIGATION – PHASE II SUMMARY OF DATA QUALIFICATIONS			
SAMPLE ID	**FRACTION**	**ANALYTICAL DEVIATION**	**QUALIFICATION**
MW-9 (10-12), MW-9 (12-14), MW-9 DUP1 [MW-9 (12-14)], MW-9 (14-16), MW-10 (0-2), MW-10 (2-4), MW-10 (4-6), MW-10 (6-8)	VOCs	CCAL %D > 20% for 2-butanone, 1,2-dichloroethane, 2-hexanone, 4-methyl-2-pentanone, acetone, dichlorodifluoromethane, methyl acetate, and methylcyclohexane.	Qualify detected results 'J' and non-detect results 'UJ'.
HA-DUP2 [HA-7 (2-4)], HA-9 (0-2), HA-9 (2-4), HA-10 (0-2), HA-10 (2-4), HA-10S (0-2), and HA-11S (0-2)	VOCs	CCAL %D > 20% for 1,2,4-trichlorobenzene, 2-butanone, 2-hexanone, 1,2-dichloroethane, 4-methyl-2-pentanone, acetone, dichlorodifluoromethane, methyl acetate, and methylcyclohexane.	Qualify detected results 'J' and non-detect results 'UJ'.
HA-6 (0-2), HA-6 (2-4), HA-6S (0-2), HA-7 (0-2), HA-DUP1 [HA-7 (0-2)], HA-7 (2-4), HA-DUP2 [HA-7 (2-4)], HA-7S (0-2), HA-8 (0-2), HA-8 (2-4), HA-8S (0-2), HA-9 (0-2), HA-9 (2-4), HA-9S (0-2), HA-10 (0-2), HA-10 (2-4), HA-10S (0-2), HA-11S (0-2), MW-7 (0-2), MW-7 (4-6), MW-7 (6-8), MW-7 (8-10), MW-7 (10-12), MW-7 (12-14), MW-7 (14-16), MW-7 (DUP1) [MW-7(14-16)], MW-9 (0-2), MW-9 (2-4), MW-9 (4-6), MW-9 (8-10), MW-9 (10-12), MW-9 (12-14), MW-9 (12-14), MW-9 DUP1 [MW-9 (12-14)], MW-9 (14-16), MW-10 (0-2), MW-10 (2-4), MW-10 (4-6), MW-10 (6-8), MW-10 (8-10), and MW-10 DUP1 [MW-10 (8-10)]	VOCs	Method blank/rinsate blank contamination for acetone and/or methylene chloride.	Qualify results 'U' at the QL or detected result (whichever is higher)
MW-10 (8-10)	VOCs	IS %R <50% for chlorobenzene-d_5.	Qualify associated non-detect compounds 'UJ' and detected compounds 'J'.
MW-9 (12-14), MW-9 DUP1 [MW-9 (12-14)], and MW-10 (4-6)	SVOC	Method blank contamination for acetophenone.	Qualify results 'U' at the QL or detected result (whichever is higher)

TABLE 1 OLD AGWAY REMEDIAL INVESTIGATION – PHASE II SUMMARY OF DATA QUALIFICATIONS			
SAMPLE ID	**FRACTION**	**ANALYTICAL DEVIATION**	**QUALIFICATION**
HA-6 (0-2), HA-6S (0-2), HA-7 (0-2), HA-DUP2 [HA-7 (2-4)], HA-8 (0-2), HA-8S (0-2), HA-9 (2-4), HA-10 (0-2), HA-11S (0-2), MW-9 (8-10), MW-9 (10-12), MW-9 (12-14), MW-9 DUP1 [MW-9 (12-14)], MW-10 (0-2), MW-10 (2-4), MW-10 (8-10), and MW-10 DUP1 [MW-10 (8-10)]	SVOC	Method blank/rinsate blank contamination for bis(2-ethylhexyl)phthalate.	Qualify results 'U' at the QL or detected result (whichever is higher)
EQMT BLK1	SVOCs	CCAL %D > 20% for 2,2'-oxybis(1-chloropropane), benzaldehyde, 2-chlorophenol, 4,6-dinitro-2-methylphenol, 2,4-dinitrophenol, 2,4-dinitrotoluene, 4-nitrophenol, bis(2-chloroethyl)ether, bis(2-chloroethoxy)methane, bis (2-ethylhexyl)phthalate, hexachlorocyclopentadiene, and pentachlorophenol.	Qualify detected results 'J' and non-detect results 'UJ'.
MW-7 (0-2), MW-7 (2-4), MW-7 (4-6), MW-7 (6-8), MW-7 (8-10), MW-7 (10-12), MW-7 (12-14), MW-7 (14-16), and MW-7(DUP1) [MW-7 (14-16)]	SVOCs	CCAL %D > 20% for benzaldehyde, 4,6-dinitro-2-methylphenol, 2,4-dinitrophenol, 2-nitroaniline, 4-nitrophenol, benzo(g,h,i)perylene, bis (2-ethylhexyl)phthalate, and di-n-octyl phthalate.	Qualify detected results 'J' and non-detect results 'UJ'.
HA-6 (0-2), HA-6 (2-4), HA-6S (0-2), HA-7S (0-2), HA-7 (0-2), HA-7 (2-4), HA-DUP2 [HA-7 (2-4)], HA-7 DUP1 [HA-7 (0-2)], HA-8 (0-2), HA-8 (2-4), HA-8S (0-2), HA-9 (0-2), HA-9 (2-4), HA-9S (0-2), HA-10 (0-2), HA-10 (2-4), HA-10S (0-2), and HA-11S (0-2)	SVOCs	CCAL %D > 20% for 4-nitrophenol and pentachlorophenol.	Qualify non-detect results 'UJ'.
EQMT BLK1	SVOCs	CCAL %D > 20% for 2,2'-oxybis(1-chloropropane), 2,4-dinitrophenol, 4,6-dinitro-2-methylphenol, 2,4-dinitrotoluene, 4-nitrophenol, benzaldehyde, bis(2-chloroethyl)ether, bis(2-chloroethoxy)methane, bis (2-ethylhexyl)phthalate, hexachlorocyclopentadiene, and pentachlorophenol.	Qualify non-detect results 'UJ'.

TABLE 1 OLD AGWAY REMEDIAL INVESTIGATION – PHASE II SUMMARY OF DATA QUALIFICATIONS			
SAMPLE ID	**FRACTION**	**ANALYTICAL DEVIATION**	**QUALIFICATION**
MW-9 (0-2), MW-9 (2-4), MW-9 (4-6), and MW-9 (6-8)	SVOCs	CCAL %D > 20% for 2,4-dinitrophenol, 4,6-dinitro-2-methylphenol, di-n-octyl phthalate, and benzaldehyde.	Qualify non-detect results 'UJ'.
MW-9 (8-10), MW-9 (10-12), MW-9 (12-14), MW-9 (14-16), MW-9 DUP1 [MW-9 (12-14)], MW-10 (0-2), MW-10 (2-4), MW-10 (4-6), MW-10 (6-8), MW-10 (8-10), and MW-10 DUP1 [MW-10 (8-10)]	SVOCs	CCAL %D > 20% for benzaldehyde, 4-nitrophenol, and pentachlorophenol.	Qualify detected results 'J' and non-detect results 'UJ'.
HA-DUP1 [HA-7 (0-2)], HA-9 (2-4)	OC Pesticides	Re-extracted holding time exceeded.	Qualify non-detect results 'UJ' and detected results 'J'.
MW-7 (14-16), MW-9 (12-14)	Herbicides	Surrogate DCAA % R > QC limit on primary column.	Qualify detected results reported from primary column 'J'.
HA-7S (0-2)	Metals	MS %R >125% for As and <75% for Se and Tl.	Qualify non-detect results 'UJ' and detected results 'J'.
MW-9 (4-6)	Metals	MD RPD > 35% for Pb and Hg.	Qualify detected results 'J'.
MW-9 (4-6)	Metals	Serial Dilution %D > 15% for Cr, Co, Fe, Mg, Mn, and K.	Qualify detected results 'J'.
HA-10 (0-2)	Metals	MS %R >125% for As and Cr. Post-digestion spike > 125% for As.	Qualify detected As result 'J+' and Cr 'J'.
HA-10 (0-2)	Metals	Serial Dilution %D > 15% for Ni.	Qualify detected results 'J'.
MW-9 [all depth intervals, except (14-16)], MW-10 [all depth intervals, except (4-6)]	Metals	Preparation blank contamination below the QL for Na.	Qualify results 'U' at the detected value.
MW-10 (2-4)	Metals	Preparation blank contamination below the QL for Tl.	Qualify results 'U' at the detected value.
MW-7 [all depth intervals, except (14-16) and field duplicate]	Metals	CCB contamination below the QL for Be.	Qualify results 'U' at the detected value.
MW-9 (0-2), MW-9 (2-4), MW-9 (8-10), MW-9 (DUP1) [MW-9 (12-14)]	Metals	CCB contamination below the QL for Co.	Qualify results 'U' at the detected value.

TABLE 1
OLD AGWAY REMEDIAL INVESTIGATION – PHASE II
SUMMARY OF DATA QUALIFICATIONS

SAMPLE ID	FRACTION	ANALYTICAL DEVIATION	QUALIFICATION
HA-6 (0-2), HA-6 (2-4), HA-6S (0-2), HA-7 (0-2), HA-DUP1 [HA-7 (0-2)], HA-7 (2-4), HA-7S (0-2), HA-8 (0-2), HA-8 (2-4), HA-8S (0-2), HA-9S (0-2)	Metals	Rinsate blank contamination below the QL for Be.	Qualify results 'U' at the detected value.
HA-6 (0-2), HA-6S (0-2), HA-7S (0-2), HA-8S (0-2), HA-9S (0-2), MW-7 (2-4)	Metals	Rinsate blank contamination below the QL for Co.	Qualify results 'U' at the detected value.
MW-7 (0-2)	Metals	Rinsate blank contamination below the QL for Mg.	Qualify results 'U' at the detected value.
HA-6S (0-2), HA-9S (0-2), HA-10 (2-4)	Metals	Rinsate blank contamination below the QL for Ni.	Qualify results 'U' at the detected value.
HA-6 (0-2), HA-6S (0-2), HA-7S (0-2), HA-8S (0-2), HA-9S (0-2), MW-7 (0-2), MW-7 (2-4), MW-9 (0-2), MW-9 (DUP1) [MW-9 (12-14)]	Metals	Rinsate blank contamination below the QL for K.	Qualify results 'U' at the detected value.
HA-7S (0-2), MW-7 (0-2)	Metals	Rinsate blank contamination below the QL for Se.	Qualify results 'U' at the detected value.
HA-6S (0-2), HA-7S (0-2), HA-8S (0-2), HA-9S (0-2), MW-7 (0-2), MW-9 (0-2), MW-9 (2-4)	Metals	Rinsate blank contamination below the QL for Ag.	Qualify results 'U' at the detected value.
HA-6 (0-2), HA-6 (2-4), HA-6S (0-2), HA-7 (0-2), HA-DUP1 [HA-7 (0-2)], HA-7 (2-4) (plus field duplicate), HA-7S (0-2), HA-8 (0-2), HA-8 (2-4), HA-8S (0-2), HA-9S (0-2), HA-9 (0-2), HA-9 (2-4), HA-10 (2-4), HA-11S (0-2)	Metals	Rinsate blank contamination below the QL for Na.	Qualify results 'U' at the detected value.
HA-7 (0-2) and HA-DUP1	Metals	Field Duplicate %RPD > 50% for Pb.	Qualify detected results 'J'.
HA-7 (2-4) and HA-DUP2	Metals	Field Duplicate absolute %D > 2x QL for Mg.	Qualify detected results 'J'.
MW-7 (14-16) and MW-7 (DUP1)	Metals	Field Duplicate %RPD > 50% for Al, V, and Zn; absolute %D> 2x QL for As, Ba, Cu, Ni, K, and Se.	Qualify detected results 'J'.
MW-9 (12-14) and MW-9 (DUP1)	Metals	Field Duplicate %RPD > 50% for Ca, Cu, Mn, and Zn.	Qualify detected results 'J'.
MW-10 (8-10) and MW-10 (DUP1)	Metals	Field Duplicate %RPD > 50% for Ca; absolute %D> 2x QL for Pb.	Qualify detected results 'J'.

TABLE 1 OLD AGWAY REMEDIAL INVESTIGATION – PHASE II SUMMARY OF DATA QUALIFICATIONS			
SAMPLE ID	**FRACTION**	**ANALYTICAL DEVIATION**	**QUALIFICATION**
GROUNDWATER/LEACHATE SAMPLES			
All groundwater and leachate samples	VOCs	CCAL %D > 20% for 2-hexanone and bromomethane.	Qualify non-detect results 'UJ'.
MW-02, MW-03, MW-04, FD-2 (MW-04), MW-08, MW-09, MW-10, Leachate, 20140507-FD-1 (Leachate)	SVOCs	LCS %R < QC limit for 1,1'-biphenyl, 2,2'-oxybis(1-chloropropane), and hexachloroethane.	Qualify non-detect results 'UJ.
All groundwater and leachate samples	SVOCs	CCAL %D > 20% for pentachlorophenol.	Qualify non-detect results 'UJ'.
Leachate, 20140507-FD-1 (Leachate)	OP Pesticides	Extracted holding time exceeded.	Qualify non-detect results 'UJ'.
MW-4, 20140507-FD-2 (MW-4)	Metals	MS %R <75% for Pb and Ag.	Qualify detected results 'J' and non-detect results 'UJ'.
MW-9	Metals	Preparation blank contamination below the QL for Se.	Qualify results 'U' at the detected value.
Leachate, 20140507-FD-1 (Leachate), MW-3, 20140507-FD-2 (MW-4), MW-8, MW-9, MW-10	Metals	ICB contamination below QL for As.	Qualify results 'U' at the detected value.
MW-1, MW-2, MW-3, MW-5, MW-6, MW-7, MW-8, MW-9, MW-10	Metals	ICB contamination below QL for Co.	Qualify results 'U' at the detected value.
MW-1, MW-3, MW-4, MW-5	Metals	CCB contamination below QL for Tl.	Qualify results 'U' at the detected value.
MW-4, 20140507-FD-2 (MW-4)	Metals	Serial Dilution %D > 15% for Ba, Mn, and K.	Qualify detected results 'J'.

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		HA-06	HA-06	HA-06	HA-07	HA-07
Sample ID		HA-6S (0-2")	HA-6 (0-2')	HA-6 (2-4')	HA-7S (0-2")	HA-7 (0-2')
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-0.2	0.0-2.0	2.0-4.0	0.0-0.2	0.0-2.0
Date Sampled		04/29/14	04/29/14	04/29/14	04/29/14	04/29/14
Parameter	**Units**					
Volatile Organic Compounds						
1,1,1-Trichloroethane	MG/KG	0.013 U	0.013 U	0.012 U	0.014 U	0.012 U
1,1,2,2-Tetrachloroethane	MG/KG	0.013 U	0.013 U	0.012 U	0.014 U	0.012 U
1,1,2-Trichloro-1,2,2-trifluoroethane	MG/KG	0.013 U	0.013 U	0.012 U	0.014 U	0.012 U
1,1,2-Trichloroethane	MG/KG	0.013 U	0.013 U	0.012 U	0.014 U	0.012 U
1,1-Dichloroethane	MG/KG	0.013 U	0.013 U	0.012 U	0.014 U	0.012 U
1,1-Dichloroethene	MG/KG	0.013 U	0.013 U	0.012 U	0.014 U	0.012 U
1,2,4-Trichlorobenzene	MG/KG	0.013 U	0.013 U	0.012 U	0.014 U	0.012 U
1,2-Dibromo-3-chloropropane	MG/KG	0.013 U	0.013 U	0.012 U	0.014 U	0.012 U
1,2-Dibromoethane (Ethylene dibromide)	MG/KG	0.013 U	0.013 U	0.012 U	0.014 U	0.012 U
1,2-Dichlorobenzene	MG/KG	0.013 U	0.013 U	0.012 U	0.014 U	0.012 U
1,2-Dichloroethane	MG/KG	0.013 U	0.013 U	0.012 U	0.014 U	0.012 U
1,2-Dichloroethene (cis)	MG/KG	0.013 U	0.013 U	0.012 U	0.014 U	0.012 U
1,2-Dichloroethene (trans)	MG/KG	0.013 U	0.013 U	0.012 U	0.014 U	0.012 U
1,2-Dichloropropane	MG/KG	0.013 U	0.013 U	0.012 U	0.014 U	0.012 U
1,3-Dichlorobenzene	MG/KG	0.013 U	0.013 U	0.012 U	0.014 U	0.012 U
1,3-Dichloropropene (cis)	MG/KG	0.013 U	0.013 U	0.012 U	0.014 U	0.012 U
1,3-Dichloropropene (trans)	MG/KG	0.013 U	0.013 U	0.012 U	0.014 U	0.012 U
1,4-Dichlorobenzene	MG/KG	0.013 U	0.013 U	0.012 U	0.014 U	0.012 U
2-Hexanone	MG/KG	0.013 UJ	0.013 UJ	0.012 UJ	0.014 UJ	0.012 UJ
4-Methyl-2-pentanone	MG/KG	0.013 UJ	0.013 UJ	0.012 UJ	0.014 UJ	0.012 UJ
Acetone	MG/KG	0.015 UJ	0.013 UJ	0.012 UJ	0.014 UJ	0.012 UJ
Benzene	MG/KG	0.013 U	0.013 U	0.012 U	0.014 U	0.012 U
Bromodichloromethane	MG/KG	0.013 U	0.013 U	0.012 U	0.014 U	0.012 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		HA-06	HA-06	HA-06	HA-07	HA-07
Sample ID		HA-6S (0-2")	HA-6 (0-2')	HA-6 (2-4')	HA-7S (0-2")	HA-7 (0-2')
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-0.2	0.0-2.0	2.0-4.0	0.0-0.2	0.0-2.0
Date Sampled		04/29/14	04/29/14	04/29/14	04/29/14	04/29/14
Parameter	**Units**					
Volatile Organic Compounds						
Bromoform	MG/KG	0.013 U	0.013 U	0.012 U	0.014 U	0.012 U
Bromomethane	MG/KG	0.013 U	0.013 U	0.012 U	0.014 U	0.012 U
Carbon disulfide	MG/KG	0.013 U	0.013 U	0.012 U	0.014 U	0.012 U
Carbon tetrachloride	MG/KG	0.013 U	0.013 U	0.012 U	0.014 U	0.012 U
Chlorobenzene	MG/KG	0.013 U	0.013 U	0.012 U	0.014 U	0.012 U
Chloroethane	MG/KG	0.013 U	0.013 U	0.012 U	0.014 U	0.012 U
Chloroform	MG/KG	0.013 U	0.013 U	0.012 U	0.014 U	0.012 U
Chloromethane	MG/KG	0.013 U	0.013 U	0.012 U	0.014 U	0.012 U
Cyclohexane	MG/KG	0.013 U	0.013 U	0.012 U	0.014 U	0.012 U
Dibromochloromethane	MG/KG	0.013 U	0.013 U	0.012 U	0.014 U	0.012 U
Dichlorodifluoromethane	MG/KG	0.013 UJ	0.013 UJ	0.012 UJ	0.014 UJ	0.012 UJ
Ethylbenzene	MG/KG	0.013 U	0.013 U	0.012 U	0.014 U	0.012 U
Isopropylbenzene (Cumene)	MG/KG	0.013 U	0.013 U	0.012 U	0.014 U	0.012 U
Methyl acetate	MG/KG	0.013 UJ	0.013 UJ	0.012 UJ	0.014 UJ	0.012 UJ
Methyl ethyl ketone (2-Butanone)	MG/KG	0.013 UJ	0.013 UJ	0.012 UJ	0.014 UJ	0.012 UJ
Methyl tert-butyl ether	MG/KG	0.013 U	0.013 U	0.012 U	0.014 U	0.012 U
Methylcyclohexane	MG/KG	0.013 UJ	0.013 UJ	0.012 UJ	0.014 UJ	0.012 UJ
Methylene chloride	MG/KG	0.013 U	0.013 U	0.012 U	0.014 U	0.012 U
Styrene	MG/KG	0.013 U	0.013 U	0.012 U	0.014 U	0.012 U
Tetrachloroethene	MG/KG	0.013 U	0.013 U	0.012 U	0.014 U	0.012 U
Toluene	MG/KG	0.013 U	0.013 U	0.012 U	0.014 U	0.012 U
Trichloroethene	MG/KG	0.013 U	0.013 U	0.012 U	0.014 U	0.012 U
Trichlorofluoromethane	MG/KG	0.013 U	0.013 U	0.012 U	0.014 U	0.012 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		HA-06	HA-06	HA-06	HA-07	HA-07
Sample ID		HA-6S (0-2")	HA-6 (0-2')	HA-6 (2-4')	HA-7S (0-2")	HA-7 (0-2')
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-0.2	0.0-2.0	2.0-4.0	0.0-0.2	0.0-2.0
Date Sampled		04/29/14	04/29/14	04/29/14	04/29/14	04/29/14
Parameter	**Units**					
Volatile Organic Compounds						
Vinyl chloride	MG/KG	0.013 U	0.013 U	0.012 U	0.014 U	0.012 U
Xylene (total)	MG/KG	0.0040 J	0.013 U	0.012 U	0.0030 J	0.012 U
Semivolatile Organic Compounds						
1,1-Biphenyl	MG/KG	0.44 U	0.42 U	0.39 U	0.45 U	0.40 U
2,2-oxybis(1-Chloropropane)	MG/KG	0.44 U	0.42 U	0.39 U	0.45 U	0.40 U
2,4,5-Trichlorophenol	MG/KG	1.1 U	1.0 U	0.98 U	1.1 U	1.0 U
2,4,6-Trichlorophenol	MG/KG	0.44 U	0.42 U	0.39 U	0.45 U	0.40 U
2,4-Dichlorophenol	MG/KG	0.44 U	0.42 U	0.39 U	0.45 U	0.40 U
2,4-Dimethylphenol	MG/KG	0.44 U	0.42 U	0.39 U	0.45 U	0.40 U
2,4-Dinitrophenol	MG/KG	1.1 U	1.0 U	0.98 U	1.1 U	1.0 U
2,4-Dinitrotoluene	MG/KG	0.44 U	0.42 U	0.39 U	0.45 U	0.40 U
2,6-Dinitrotoluene	MG/KG	0.44 U	0.42 U	0.39 U	0.45 U	0.40 U
2-Chloronaphthalene	MG/KG	0.44 U	0.42 U	0.39 U	0.45 U	0.40 U
2-Chlorophenol	MG/KG	0.44 U	0.42 U	0.39 U	0.45 U	0.40 U
2-Methylnaphthalene	MG/KG	0.44 U	0.42 U	0.39 U	0.45 U	0.40 U
2-Methylphenol (o-cresol)	MG/KG	0.27 U	0.25 U	0.24 U	0.27 U	0.24 U
2-Nitroaniline	MG/KG	1.1 U	1.0 U	0.98 U	1.1 U	1.0 U
2-Nitrophenol	MG/KG	0.44 U	0.42 U	0.39 U	0.45 U	0.40 U
3,3-Dichlorobenzidine	MG/KG	0.44 U	0.42 U	0.39 U	0.45 U	0.40 U
3-Nitroaniline	MG/KG	1.1 U	1.0 U	0.98 U	1.1 U	1.0 U
4,6-Dinitro-2-methylphenol	MG/KG	1.1 U	1.0 U	0.98 U	1.1 U	1.0 U
4-Bromophenyl-phenylether	MG/KG	0.44 U	0.42 U	0.39 U	0.45 U	0.40 U
4-Chloro-3-methylphenol	MG/KG	0.44 U	0.42 U	0.39 U	0.45 U	0.40 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		HA-06	HA-06	HA-06	HA-07	HA-07
Sample ID		HA-6S (0-2")	HA-6 (0-2')	HA-6 (2-4')	HA-7S (0-2")	HA-7 (0-2')
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-0.2	0.0-2.0	2.0-4.0	0.0-0.2	0.0-2.0
Date Sampled		04/29/14	04/29/14	04/29/14	04/29/14	04/29/14
Parameter	**Units**					
Semivolatile Organic Compounds						
4-Chloroaniline	MG/KG	0.44 U	0.42 U	0.39 U	0.45 U	0.40 U
4-Chlorophenyl-phenylether	MG/KG	0.44 U	0.42 U	0.39 U	0.45 U	0.40 U
4-Methylphenol (p-cresol)	MG/KG	0.27 U	0.25 U	0.24 U	0.27 U	0.24 U
4-Nitroaniline	MG/KG	1.1 U	1.0 U	0.98 U	1.1 U	1.0 U
4-Nitrophenol	MG/KG	1.1 UJ	1.0 UJ	0.98 UJ	1.1 UJ	1.0 UJ
Acenaphthene	MG/KG	0.44 U	0.42 U	0.39 U	0.45 U	0.40 U
Acenaphthylene	MG/KG	0.44 U	0.42 U	0.39 U	0.45 U	0.40 U
Acetophenone	MG/KG	0.44 U	0.42 U	0.39 U	0.45 U	0.40 U
Anthracene	MG/KG	0.44 U	0.42 U	0.39 U	0.45 U	0.40 U
Atrazine	MG/KG	0.44 U	0.42 U	0.39 U	0.45 U	0.40 U
Benzaldehyde	MG/KG	0.44 U	0.42 U	0.39 U	0.45 U	0.40 U
Benzo(a)anthracene	MG/KG	0.44 U	0.42 U	0.39 U	0.45 U	0.40 U
Benzo(a)pyrene	MG/KG	0.44 U	0.42 U	0.39 U	0.45 U	0.40 U
Benzo(b)fluoranthene	MG/KG	0.44 U	0.42 U	0.39 U	0.45 U	0.40 U
Benzo(g,h,i)perylene	MG/KG	0.44 U	0.42 U	0.39 U	0.45 U	0.40 U
Benzo(k)fluoranthene	MG/KG	0.44 U	0.42 U	0.39 U	0.45 U	0.40 U
bis(2-Chloroethoxy)methane	MG/KG	0.44 U	0.42 U	0.39 U	0.45 U	0.40 U
bis(2-Chloroethyl)ether	MG/KG	0.44 U	0.42 U	0.39 U	0.45 U	0.40 U
bis(2-Ethylhexyl)phthalate	MG/KG	0.44 U	0.42 U	0.39 U	0.45 U	0.71 U
Butylbenzylphthalate	MG/KG	0.44 U	0.42 U	0.39 U	0.45 U	0.40 U
Caprolactam	MG/KG	0.44 U	0.42 U	0.39 U	0.45 U	0.40 U
Carbazole	MG/KG	0.44 U	0.42 U	0.39 U	0.45 U	0.40 U
Chrysene	MG/KG	0.44 U	0.42 U	0.39 U	0.45 U	0.40 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		HA-06	HA-06	HA-06	HA-07	HA-07
Sample ID		HA-6S (0-2")	HA-6 (0-2')	HA-6 (2-4')	HA-7S (0-2")	HA-7 (0-2')
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-0.2	0.0-2.0	2.0-4.0	0.0-0.2	0.0-2.0
Date Sampled		04/29/14	04/29/14	04/29/14	04/29/14	04/29/14
Parameter	**Units**					
Semivolatile Organic Compounds						
Dibenz(a,h)anthracene	MG/KG	0.27 U	0.25 U	0.24 U	0.27 U	0.24 U
Dibenzofuran	MG/KG	0.44 U	0.42 U	0.39 U	0.45 U	0.40 U
Diethylphthalate	MG/KG	0.44 U	0.42 U	0.39 U	0.45 U	0.40 U
Dimethylphthalate	MG/KG	0.44 U	0.42 U	0.39 U	0.45 U	0.40 U
Di-n-butylphthalate	MG/KG	0.44 U	0.42 U	0.39 U	0.45 U	0.40 U
Di-n-octylphthalate	MG/KG	0.44 U	0.42 U	0.39 U	0.45 U	0.40 U
Fluoranthene	MG/KG	0.44 U	0.42 U	0.39 U	0.45 U	0.40 U
Fluorene	MG/KG	0.44 U	0.42 U	0.39 U	0.45 U	0.40 U
Hexachlorobenzene	MG/KG	0.44 U	0.42 U	0.39 U	0.45 U	0.40 U
Hexachlorobutadiene	MG/KG	0.44 U	0.42 U	0.39 U	0.45 U	0.40 U
Hexachlorocyclopentadiene	MG/KG	0.44 U	0.42 U	0.39 U	0.45 U	0.40 U
Hexachloroethane	MG/KG	0.44 U	0.42 U	0.39 U	0.45 U	0.40 U
Indeno(1,2,3-cd)pyrene	MG/KG	0.44 U	0.42 U	0.39 U	0.45 U	0.40 U
Isophorone	MG/KG	0.44 U	0.42 U	0.39 U	0.45 U	0.40 U
Naphthalene	MG/KG	0.44 U	0.42 U	0.39 U	0.45 U	0.40 U
Nitrobenzene	MG/KG	0.44 U	0.42 U	0.39 U	0.45 U	0.40 U
N-Nitroso-di-n-propylamine	MG/KG	0.44 U	0.42 U	0.39 U	0.45 U	0.40 U
N-Nitrosodiphenylamine	MG/KG	0.44 U	0.42 U	0.39 U	0.45 U	0.40 U
Pentachlorophenol	MG/KG	0.66 UJ	0.63 UJ	0.59 UJ	0.68 UJ	0.60 UJ
Phenanthrene	MG/KG	0.44 U	0.42 U	0.39 U	0.45 U	0.40 U
Phenol	MG/KG	0.27 U	0.25 U	0.24 U	0.27 U	0.24 U
Pyrene	MG/KG	0.089 J	0.42 U	0.39 U	0.45 U	0.40 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		HA-06	HA-06	HA-06	HA-07	HA-07
Sample ID		HA-6S (0-2")	HA-6 (0-2')	HA-6 (2-4')	HA-7S (0-2")	HA-7 (0-2')
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-0.2	0.0-2.0	2.0-4.0	0.0-0.2	0.0-2.0
Date Sampled		04/29/14	04/29/14	04/29/14	04/29/14	04/29/14
Parameter	**Units**					
Pesticide Organic Compounds						
4,4'-DDD	MG/KG	0.0040 U	0.0040 U	0.0040 U	0.0050 U	0.0040 U
4,4'-DDE	MG/KG	0.0041 J	0.0056	0.0040 U	0.0050 U	0.0040 U
4,4'-DDT	MG/KG	0.0040 U	0.0045	0.0040 U	0.0050 U	0.0040 U
Aldrin	MG/KG	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
alpha-BHC	MG/KG	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
alpha-Chlordane	MG/KG	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
beta-BHC	MG/KG	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
delta-BHC	MG/KG	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Dieldrin	MG/KG	0.0040 U	0.0040 U	0.0040 U	0.0050 U	0.0040 U
Endosulfan I	MG/KG	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Endosulfan II	MG/KG	0.0040 U	0.0040 U	0.0040 U	0.0050 U	0.0040 U
Endosulfan sulfate	MG/KG	0.0040 U	0.0040 U	0.0040 U	0.0050 U	0.0040 U
Endrin	MG/KG	0.0040 U	0.0040 U	0.0040 U	0.0050 U	0.0040 U
Endrin aldehyde	MG/KG	0.0040 U	0.0040 U	0.0040 U	0.0050 U	0.0040 U
Endrin ketone	MG/KG	0.0040 U	0.0040 U	0.0040 U	0.0050 U	0.0040 U
gamma-BHC (Lindane)	MG/KG	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
gamma-Chlordane	MG/KG	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Heptachlor	MG/KG	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Heptachlor epoxide	MG/KG	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Methoxychlor	MG/KG	0.023 U	0.021 U	0.020 U	0.023 U	0.021 U
Toxaphene	MG/KG	0.23 U	0.21 U	0.20 U	0.23 U	0.21 U
Herbicides						
2,4,5-T	MG/KG	0.0070 U	0.0060 U	0.0060 U	0.0070 U	0.0060 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		HA-06	HA-06	HA-06	HA-07	HA-07
Sample ID		HA-6S (0-2")	HA-6 (0-2')	HA-6 (2-4')	HA-7S (0-2")	HA-7 (0-2')
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-0.2	0.0-2.0	2.0-4.0	0.0-0.2	0.0-2.0
Date Sampled		04/29/14	04/29/14	04/29/14	04/29/14	04/29/14
Parameter	**Units**					
Herbicides						
2,4,5-TP (Silvex)	MG/KG	0.0070 U	0.0060 U	0.0060 U	0.0070 U	0.0060 U
2,4-D	MG/KG	R	0.013 U	0.012 U	0.014 U	0.012 U
2,4-DB	MG/KG	0.014 NJ	0.013 U	0.012 U	0.0076 J	0.012 U
Dicamba	MG/KG	0.0023 J	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Dinoseb	MG/KG	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U
Picrolam	MG/KG	0.013 U	0.013 U	0.012 U	0.014 U	0.012 U
Metals						
Aluminum	MG/KG	7,160	8,630	12,000	6,160	10,300
Antimony	MG/KG	0.28 J	0.37 J	0.23 U	0.26 U	0.23 U
Arsenic	MG/KG	2.6	3.0	2.2	2.5 J	4.0
Barium	MG/KG	42.5	51.5	48.7	42.1	58.8
Beryllium	MG/KG	0.29 U	0.39 U	0.47 U	0.27 U	0.55 U
Cadmium	MG/KG	0.015 U	0.014 U	0.013 U	0.015 U	0.013 U
Calcium	MG/KG	2,730	3,040	1,690	2,660	3,380
Chromium	MG/KG	30.2	23.8	15.3	11.5	19.3
Cobalt	MG/KG	4.1 U	4.8 U	6.1	3.9 U	8.3
Copper	MG/KG	11.6	13.3	10.9	10.1	13.1
Iron	MG/KG	9,640	12,200	16,200	9,650	21,700
Lead	MG/KG	76.9	68.9	14.8	100	37.1 J
Magnesium	MG/KG	1,450	1,620	2,440	1,310	2,490
Manganese	MG/KG	188	179	398	179	344
Mercury	MG/KG	0.022 U	0.040 J	0.019 U	0.022 U	0.034 J
Nickel	MG/KG	5.1 U	8.4	9.6	5.6	9.0

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		HA-06	HA-06	HA-06	HA-07	HA-07
Sample ID		HA-6S (0-2")	HA-6 (0-2')	HA-6 (2-4')	HA-7S (0-2")	HA-7 (0-2')
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-0.2	0.0-2.0	2.0-4.0	0.0-0.2	0.0-2.0
Date Sampled		04/29/14	04/29/14	04/29/14	04/29/14	04/29/14
Parameter	**Units**					
Metals						
Potassium	MG/KG	632 U	494 U	629	519 U	1,030
Selenium	MG/KG	1.6	2.1	2.3	1.2 UJ	3.7
Silver	MG/KG	1.0 U	1.3	1.6	1.1 U	2.2
Sodium	MG/KG	88.0 U	135 U	152 U	161 U	284 U
Thallium	MG/KG	0.17 U	0.16 U	0.15 U	0.17 UJ	0.15 U
Vanadium	MG/KG	15.2	18.4	22.5	14.5	32.6
Zinc	MG/KG	66.9	125	42.5	76.7	54.1

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		HA-07	HA-07	HA-07	HA-08	HA-08
Sample ID		HA-DUP1	HA-7 (2-4')	HA-DUP2	HA-8S (0-2")	HA-8 (0-2')
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-2.0	2.0-4.0	2.0-4.0	0.0-0.2	0.0-2.0
Date Sampled		04/29/14	04/29/14	04/29/14	04/29/14	04/29/14
Parameter	Units	Field Duplicate (1-1)		Field Duplicate (1-1)		
Volatile Organic Compounds						
1,1,1-Trichloroethane	MG/KG	0.012 U	0.012 U	0.012 U	0.014 U	0.012 U
1,1,2,2-Tetrachloroethane	MG/KG	0.012 U	0.012 U	0.012 U	0.014 U	0.012 U
1,1,2-Trichloro-1,2,2-trifluoroethane	MG/KG	0.012 U	0.012 U	0.012 U	0.014 U	0.012 U
1,1,2-Trichloroethane	MG/KG	0.012 U	0.012 U	0.012 U	0.014 U	0.012 U
1,1-Dichloroethane	MG/KG	0.012 U	0.012 U	0.012 U	0.014 U	0.012 U
1,1-Dichloroethene	MG/KG	0.012 U	0.012 U	0.012 U	0.014 U	0.012 U
1,2,4-Trichlorobenzene	MG/KG	0.012 U	0.012 U	0.012 UJ	0.014 U	0.012 U
1,2-Dibromo-3-chloropropane	MG/KG	0.012 U	0.012 U	0.012 U	0.014 U	0.012 U
1,2-Dibromoethane (Ethylene dibromide)	MG/KG	0.012 U	0.012 U	0.012 U	0.014 U	0.012 U
1,2-Dichlorobenzene	MG/KG	0.012 U	0.012 U	0.012 U	0.014 U	0.012 U
1,2-Dichloroethane	MG/KG	0.012 U	0.012 U	0.012 UJ	0.014 U	0.012 U
1,2-Dichloroethene (cis)	MG/KG	0.012 U	0.012 U	0.012 U	0.014 U	0.012 U
1,2-Dichloroethene (trans)	MG/KG	0.012 U	0.012 U	0.012 U	0.014 U	0.012 U
1,2-Dichloropropane	MG/KG	0.012 U	0.012 U	0.012 U	0.014 U	0.012 U
1,3-Dichlorobenzene	MG/KG	0.012 U	0.012 U	0.012 U	0.014 U	0.012 U
1,3-Dichloropropene (cis)	MG/KG	0.012 U	0.012 U	0.012 U	0.014 U	0.012 U
1,3-Dichloropropene (trans)	MG/KG	0.012 U	0.012 U	0.012 U	0.014 U	0.012 U
1,4-Dichlorobenzene	MG/KG	0.012 U	0.012 U	0.012 U	0.014 U	0.012 U
2-Hexanone	MG/KG	0.012 UJ	0.012 UJ	0.012 UJ	0.014 UJ	0.012 UJ
4-Methyl-2-pentanone	MG/KG	0.012 UJ	0.012 UJ	0.012 UJ	0.014 UJ	0.012 UJ
Acetone	MG/KG	0.012 UJ	0.012 UJ	0.012 UJ	0.014 UJ	0.012 UJ
Benzene	MG/KG	0.012 U	0.012 U	0.012 U	0.014 U	0.012 U
Bromodichloromethane	MG/KG	0.012 U	0.012 U	0.012 U	0.014 U	0.012 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		HA-07	HA-07	HA-07	HA-08	HA-08
Sample ID		HA-DUP1	HA-7 (2-4')	HA-DUP2	HA-8S (0-2")	HA-8 (0-2')
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-2.0	2.0-4.0	2.0-4.0	0.0-0.2	0.0-2.0
Date Sampled		04/29/14	04/29/14	04/29/14	04/29/14	04/29/14
Parameter	**Units**	Field Duplicate (1-1)		Field Duplicate (1-1)		
Volatile Organic Compounds						
Bromoform	MG/KG	0.012 U	0.012 U	0.012 U	0.014 U	0.012 U
Bromomethane	MG/KG	0.012 U	0.012 U	0.012 U	0.014 U	0.012 U
Carbon disulfide	MG/KG	0.012 U	0.012 U	0.012 U	0.014 U	0.012 U
Carbon tetrachloride	MG/KG	0.012 U	0.012 U	0.012 U	0.014 U	0.012 U
Chlorobenzene	MG/KG	0.012 U	0.012 U	0.012 U	0.014 U	0.012 U
Chloroethane	MG/KG	0.012 U	0.012 U	0.012 U	0.014 U	0.012 U
Chloroform	MG/KG	0.012 U	0.012 U	0.012 U	0.014 U	0.012 U
Chloromethane	MG/KG	0.012 U	0.012 U	0.012 U	0.014 U	0.012 U
Cyclohexane	MG/KG	0.012 U	0.012 U	0.012 U	0.014 U	0.012 U
Dibromochloromethane	MG/KG	0.012 U	0.012 U	0.012 U	0.014 U	0.012 U
Dichlorodifluoromethane	MG/KG	0.012 UJ	0.012 UJ	0.012 UJ	0.014 UJ	0.012 UJ
Ethylbenzene	MG/KG	0.012 U	0.012 U	0.012 U	0.014 U	0.012 U
Isopropylbenzene (Cumene)	MG/KG	0.012 U	0.012 U	0.012 U	0.014 U	0.012 U
Methyl acetate	MG/KG	0.012 UJ	0.012 UJ	0.012 UJ	0.014 UJ	0.012 UJ
Methyl ethyl ketone (2-Butanone)	MG/KG	0.012 UJ	0.012 UJ	0.012 UJ	0.014 UJ	0.012 UJ
Methyl tert-butyl ether	MG/KG	0.012 U	0.012 U	0.012 U	0.014 U	0.012 U
Methylcyclohexane	MG/KG	0.012 UJ	0.012 UJ	0.012 UJ	0.014 UJ	0.012 UJ
Methylene chloride	MG/KG	0.012 U	0.012 U	0.012 U	0.014 U	0.012 U
Styrene	MG/KG	0.012 U	0.012 U	0.012 U	0.014 U	0.012 U
Tetrachloroethene	MG/KG	0.012 U	0.012 U	0.012 U	0.014 U	0.012 U
Toluene	MG/KG	0.012 U	0.012 U	0.012 U	0.014 U	0.012 U
Trichloroethene	MG/KG	0.012 U	0.012 U	0.012 U	0.014 U	0.012 U
Trichlorofluoromethane	MG/KG	0.012 U	0.012 U	0.012 U	0.014 U	0.012 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		HA-07	HA-07	HA-07	HA-08	HA-08
Sample ID		HA-DUP1	HA-7 (2-4')	HA-DUP2	HA-8S (0-2")	HA-8 (0-2')
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-2.0	2.0-4.0	2.0-4.0	0.0-0.2	0.0-2.0
Date Sampled		04/29/14	04/29/14	04/29/14	04/29/14	04/29/14
Parameter	Units	Field Duplicate (1-1)		Field Duplicate (1-1)		
Volatile Organic Compounds						
Vinyl chloride	MG/KG	0.012 U	0.012 U	0.012 U	0.014 U	0.012 U
Xylene (total)	MG/KG	0.0030 J	0.012 U	0.012 U	0.0030 J	0.012 U
Semivolatile Organic Compounds						
1,1-Biphenyl	MG/KG	0.41 U	0.39 U	0.40 U	0.45 U	0.41 U
2,2-oxybis(1-Chloropropane)	MG/KG	0.41 U	0.39 U	0.40 U	0.45 U	0.41 U
2,4,5-Trichlorophenol	MG/KG	1.0 U	0.99 U	1.0 U	1.1 U	1.0 U
2,4,6-Trichlorophenol	MG/KG	0.41 U	0.39 U	0.40 U	0.45 U	0.41 U
2,4-Dichlorophenol	MG/KG	0.41 U	0.39 U	0.40 U	0.45 U	0.41 U
2,4-Dimethylphenol	MG/KG	0.41 U	0.39 U	0.40 U	0.45 U	0.41 U
2,4-Dinitrophenol	MG/KG	1.0 U	0.99 U	1.0 U	1.1 U	1.0 U
2,4-Dinitrotoluene	MG/KG	0.41 U	0.39 U	0.40 U	0.45 U	0.41 U
2,6-Dinitrotoluene	MG/KG	0.41 U	0.39 U	0.40 U	0.45 U	0.41 U
2-Chloronaphthalene	MG/KG	0.41 U	0.39 U	0.40 U	0.45 U	0.41 U
2-Chlorophenol	MG/KG	0.41 U	0.39 U	0.40 U	0.45 U	0.41 U
2-Methylnaphthalene	MG/KG	0.41 U	0.39 U	0.40 U	0.45 U	0.41 U
2-Methylphenol (o-cresol)	MG/KG	0.25 U	0.24 U	0.25 U	0.27 U	0.25 U
2-Nitroaniline	MG/KG	1.0 U	0.99 U	1.0 U	1.1 U	1.0 U
2-Nitrophenol	MG/KG	0.41 U	0.39 U	0.40 U	0.45 U	0.41 U
3,3-Dichlorobenzidine	MG/KG	0.41 U	0.39 U	0.40 U	0.45 U	0.41 U
3-Nitroaniline	MG/KG	1.0 U	0.99 U	1.0 U	1.1 U	1.0 U
4,6-Dinitro-2-methylphenol	MG/KG	1.0 U	0.99 U	1.0 U	1.1 U	1.0 U
4-Bromophenyl-phenylether	MG/KG	0.41 U	0.39 U	0.40 U	0.45 U	0.41 U
4-Chloro-3-methylphenol	MG/KG	0.41 U	0.39 U	0.40 U	0.45 U	0.41 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		HA-07	HA-07	HA-07	HA-08	HA-08
Sample ID		HA-DUP1	HA-7 (2-4')	HA-DUP2	HA-8S (0-2")	HA-8 (0-2')
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-2.0	2.0-4.0	2.0-4.0	0.0-0.2	0.0-2.0
Date Sampled		04/29/14	04/29/14	04/29/14	04/29/14	04/29/14
Parameter	**Units**	Field Duplicate (1-1)		Field Duplicate (1-1)		
Semivolatile Organic Compounds						
4-Chloroaniline	MG/KG	0.41 U	0.39 U	0.40 U	0.45 U	0.41 U
4-Chlorophenyl-phenylether	MG/KG	0.41 U	0.39 U	0.40 U	0.45 U	0.41 U
4-Methylphenol (p-cresol)	MG/KG	0.25 U	0.24 U	0.25 U	0.27 U	0.25 U
4-Nitroaniline	MG/KG	1.0 U	0.99 U	1.0 U	1.1 U	1.0 U
4-Nitrophenol	MG/KG	1.0 UJ	0.99 UJ	1.0 UJ	1.1 UJ	1.0 UJ
Acenaphthene	MG/KG	0.41 U	0.39 U	0.40 U	0.45 U	0.41 U
Acenaphthylene	MG/KG	0.41 U	0.39 U	0.40 U	0.45 U	0.41 U
Acetophenone	MG/KG	0.41 U	0.39 U	0.40 U	0.45 U	0.41 U
Anthracene	MG/KG	0.41 U	0.39 U	0.40 U	0.45 U	0.41 U
Atrazine	MG/KG	0.41 U	0.39 U	0.40 U	0.45 U	0.41 U
Benzaldehyde	MG/KG	0.41 U	0.39 U	0.40 U	0.45 U	0.41 U
Benzo(a)anthracene	MG/KG	0.41 U	0.39 U	0.40 U	0.45 U	0.41 U
Benzo(a)pyrene	MG/KG	0.41 U	0.39 U	0.40 U	0.45 U	0.41 U
Benzo(b)fluoranthene	MG/KG	0.41 U	0.39 U	0.40 U	0.45 U	0.41 U
Benzo(g,h,i)perylene	MG/KG	0.41 U	0.39 U	0.40 U	0.45 U	0.41 U
Benzo(k)fluoranthene	MG/KG	0.41 U	0.39 U	0.40 U	0.45 U	0.41 U
bis(2-Chloroethoxy)methane	MG/KG	0.41 U	0.39 U	0.40 U	0.45 U	0.41 U
bis(2-Chloroethyl)ether	MG/KG	0.41 U	0.39 U	0.40 U	0.45 U	0.41 U
bis(2-Ethylhexyl)phthalate	MG/KG	0.41 U	0.39 U	0.40 U	0.45 U	0.41 U
Butylbenzylphthalate	MG/KG	0.41 U	0.39 U	0.40 U	0.45 U	0.41 U
Caprolactam	MG/KG	0.41 U	0.39 U	0.40 U	0.45 U	0.41 U
Carbazole	MG/KG	0.41 U	0.39 U	0.40 U	0.45 U	0.41 U
Chrysene	MG/KG	0.41 U	0.39 U	0.40 U	0.096 J	0.41 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		HA-07	HA-07	HA-07	HA-08	HA-08
Sample ID		HA-DUP1	HA-7 (2-4')	HA-DUP2	HA-8S (0-2")	HA-8 (0-2')
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-2.0	2.0-4.0	2.0-4.0	0.0-0.2	0.0-2.0
Date Sampled		04/29/14	04/29/14	04/29/14	04/29/14	04/29/14
Parameter	**Units**	Field Duplicate (1-1)		Field Duplicate (1-1)		
Semivolatile Organic Compounds						
Dibenz(a,h)anthracene	MG/KG	0.25 U	0.24 U	0.25 U	0.27 U	0.25 U
Dibenzofuran	MG/KG	0.41 U	0.39 U	0.40 U	0.45 U	0.41 U
Diethylphthalate	MG/KG	0.41 U	0.39 U	0.40 U	0.45 U	0.41 U
Dimethylphthalate	MG/KG	0.41 U	0.39 U	0.40 U	0.45 U	0.41 U
Di-n-butylphthalate	MG/KG	0.41 U	0.39 U	0.40 U	0.45 U	0.41 U
Di-n-octylphthalate	MG/KG	0.41 U	0.39 U	0.40 U	0.45 U	0.41 U
Fluoranthene	MG/KG	0.41 U	0.39 U	0.40 U	0.12 J	0.41 U
Fluorene	MG/KG	0.41 U	0.39 U	0.40 U	0.45 U	0.41 U
Hexachlorobenzene	MG/KG	0.41 U	0.39 U	0.40 U	0.45 U	0.41 U
Hexachlorobutadiene	MG/KG	0.41 U	0.39 U	0.40 U	0.45 U	0.41 U
Hexachlorocyclopentadiene	MG/KG	0.41 U	0.39 U	0.40 U	0.45 U	0.41 U
Hexachloroethane	MG/KG	0.41 U	0.39 U	0.40 U	0.45 U	0.41 U
Indeno(1,2,3-cd)pyrene	MG/KG	0.41 U	0.39 U	0.40 U	0.45 U	0.41 U
Isophorone	MG/KG	0.41 U	0.39 U	0.40 U	0.45 U	0.41 U
Naphthalene	MG/KG	0.41 U	0.39 U	0.40 U	0.45 U	0.41 U
Nitrobenzene	MG/KG	0.41 U	0.39 U	0.40 U	0.45 U	0.41 U
N-Nitroso-di-n-propylamine	MG/KG	0.41 U	0.39 U	0.40 U	0.45 U	0.41 U
N-Nitrosodiphenylamine	MG/KG	0.41 U	0.39 U	0.40 U	0.45 U	0.41 U
Pentachlorophenol	MG/KG	0.61 UJ	0.60 UJ	0.61 UJ	0.67 UJ	0.62 UJ
Phenanthrene	MG/KG	0.41 U	0.39 U	0.40 U	0.45 U	0.41 U
Phenol	MG/KG	0.25 U	0.24 U	0.25 U	0.27 U	0.25 U
Pyrene	MG/KG	0.41 U	0.39 U	0.40 U	0.14 J	0.41 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		HA-07	HA-07	HA-07	HA-08	HA-08
Sample ID		HA-DUP1	HA-7 (2-4')	HA-DUP2	HA-8S (0-2")	HA-8 (0-2')
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-2.0	2.0-4.0	2.0-4.0	0.0-0.2	0.0-2.0
Date Sampled		04/29/14	04/29/14	04/29/14	04/29/14	04/29/14
Parameter	Units	Field Duplicate (1-1)		Field Duplicate (1-1)		
Pesticide Organic Compounds						
4,4'-DDD	MG/KG	0.0040 UJ	0.0040 U	0.0040 U	0.0040 U	0.0040 U
4,4'-DDE	MG/KG	0.0040 UJ	0.0040 U	0.0040 U	0.0040 U	0.0040 U
4,4'-DDT	MG/KG	0.0040 UJ	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Aldrin	MG/KG	0.0020 UJ	0.0020 U	0.0020 U	0.0020 U	0.0020 U
alpha-BHC	MG/KG	0.0020 UJ	0.0020 U	0.0020 U	0.0020 U	0.0020 U
alpha-Chlordane	MG/KG	0.0020 UJ	0.0020 U	0.0020 U	0.0020 U	0.0020 U
beta-BHC	MG/KG	0.0024 J	0.0020 U	0.0020 U	0.0020 U	0.0020 U
delta-BHC	MG/KG	0.0020 UJ	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Dieldrin	MG/KG	0.0040 UJ	0.0040 U	0.0040 U	0.0037 NJ	0.0046
Endosulfan I	MG/KG	0.0020 UJ	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Endosulfan II	MG/KG	0.0040 UJ	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endosulfan sulfate	MG/KG	0.0040 UJ	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endrin	MG/KG	0.0040 UJ	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endrin aldehyde	MG/KG	0.0040 UJ	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endrin ketone	MG/KG	0.0040 UJ	0.0040 U	0.0040 U	0.0040 U	0.0040 U
gamma-BHC (Lindane)	MG/KG	0.0020 UJ	0.0020 U	0.0020 U	0.0020 U	0.0020 U
gamma-Chlordane	MG/KG	0.0020 UJ	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Heptachlor	MG/KG	0.0020 UJ	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Heptachlor epoxide	MG/KG	0.0020 UJ	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Methoxychlor	MG/KG	0.021 UJ	0.020 U	0.021 U	0.023 U	0.021 U
Toxaphene	MG/KG	0.21 UJ	0.20 U	0.21 U	0.23 U	0.21 U
Herbicides						
2,4,5-T	MG/KG	0.0060 U	0.0060 U	0.0060 U	0.0070 U	0.0060 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		HA-07	HA-07	HA-07	HA-08	HA-08
Sample ID		HA-DUP1	HA-7 (2-4')	HA-DUP2	HA-8S (0-2")	HA-8 (0-2')
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-2.0	2.0-4.0	2.0-4.0	0.0-0.2	0.0-2.0
Date Sampled		04/29/14	04/29/14	04/29/14	04/29/14	04/29/14
Parameter	**Units**	Field Duplicate (1-1)		Field Duplicate (1-1)		
Herbicides						
2,4,5-TP (Silvex)	MG/KG	0.0060 U	0.0060 U	0.0060 U	0.0070 U	0.0060 U
2,4-D	MG/KG	R	0.012 U	0.012 U	0.013 U	0.012 U
2,4-DB	MG/KG	0.012 U	0.012 U	0.012 U	0.013 U	0.012 U
Dicamba	MG/KG	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Dinoseb	MG/KG	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U
Picrolam	MG/KG	0.012 U	0.012 U	0.012 U	0.013 U	0.012 U
Metals						
Aluminum	MG/KG	8,940	10,700	12,200	7,450	11,600
Antimony	MG/KG	0.24 U	0.23 U	0.23 U	0.43 J	0.23 U
Arsenic	MG/KG	4.3	3.2	3.9	3.2	4.4
Barium	MG/KG	65.8	63.7	63.5	52.3	68.3
Beryllium	MG/KG	0.53 U	0.50 U	0.65	0.32 U	0.60 U
Cadmium	MG/KG	0.014 U	0.013 U	0.13 U	0.015 U	0.014 U
Calcium	MG/KG	3,320	5,430	4,050	2,700	3,880
Chromium	MG/KG	17.5	16.6	20.9	15.8	19.1
Cobalt	MG/KG	6.7	8.2	9.1	4.0 U	9.1
Copper	MG/KG	14.8	11.7	15.1	11.9	17.2
Iron	MG/KG	19,000	18,800	22,400	9,880	20,500
Lead	MG/KG	117 J	60.0	37.4	91.1	101
Magnesium	MG/KG	2,160	4,100 J	2,820 J	1,250	2,630
Manganese	MG/KG	303	317	332	64.1	247
Mercury	MG/KG	0.050	0.029 J	0.027 J	0.023 U	0.082
Nickel	MG/KG	7.9	9.1	10.1	5.8	9.7

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		HA-07	HA-07	HA-07	HA-08	HA-08
Sample ID		HA-DUP1	HA-7 (2-4')	HA-DUP2	HA-8S (0-2")	HA-8 (0-2')
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-2.0	2.0-4.0	2.0-4.0	0.0-0.2	0.0-2.0
Date Sampled		04/29/14	04/29/14	04/29/14	04/29/14	04/29/14
Parameter	**Units**	Field Duplicate (1-1)		Field Duplicate (1-1)		
Metals						
Potassium	MG/KG	1,080	902	1,230	527 U	1,170
Selenium	MG/KG	3.2	2.9	3.3	1.6	3.7
Silver	MG/KG	2.0	1.9	2.2	1.1 U	2.1
Sodium	MG/KG	268 U	292 U	388 U	210 U	461 U
Thallium	MG/KG	0.16 U	0.15 U	0.15 U	0.17 U	0.16 U
Vanadium	MG/KG	29.8	26.9	33.9	17.2	31.4
Zinc	MG/KG	70.7	61.0	61.4	97.7	146

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		HA-08	HA-09	HA-09	HA-09	HA-10
Sample ID		HA-8 (2-4')	HA-9S (0-2")	HA-9 (0-2')	HA-9 (2-4')	HA-10S (0-2")
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		2.0-4.0	0.0-0.2	0.0-2.0	2.0-4.0	0.0-0.2
Date Sampled		04/29/14	04/29/14	04/29/14	04/29/14	04/29/14
Parameter	Units					
Volatile Organic Compounds						
1,1,1-Trichloroethane	MG/KG	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U
1,1,2,2-Tetrachloroethane	MG/KG	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U
1,1,2-Trichloro-1,2,2-trifluoroethane	MG/KG	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U
1,1,2-Trichloroethane	MG/KG	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U
1,1-Dichloroethane	MG/KG	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U
1,1-Dichloroethene	MG/KG	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U
1,2,4-Trichlorobenzene	MG/KG	0.012 U	0.013 UJ	0.013 UJ	0.013 UJ	0.013 UJ
1,2-Dibromo-3-chloropropane	MG/KG	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U
1,2-Dibromoethane (Ethylene dibromide)	MG/KG	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U
1,2-Dichlorobenzene	MG/KG	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U
1,2-Dichloroethane	MG/KG	0.012 U	0.013 UJ	0.013 UJ	0.013 UJ	0.013 UJ
1,2-Dichloroethene (cis)	MG/KG	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U
1,2-Dichloroethene (trans)	MG/KG	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U
1,2-Dichloropropane	MG/KG	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U
1,3-Dichlorobenzene	MG/KG	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U
1,3-Dichloropropene (cis)	MG/KG	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U
1,3-Dichloropropene (trans)	MG/KG	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U
1,4-Dichlorobenzene	MG/KG	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U
2-Hexanone	MG/KG	0.012 UJ	0.013 UJ	0.013 UJ	0.013 UJ	0.013 UJ
4-Methyl-2-pentanone	MG/KG	0.012 UJ	0.013 UJ	0.013 UJ	0.013 UJ	0.013 UJ
Acetone	MG/KG	0.038 UJ	0.013 UJ	0.013 UJ	0.094 J	0.013 UJ
Benzene	MG/KG	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U
Bromodichloromethane	MG/KG	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		HA-08	HA-09	HA-09	HA-09	HA-10
Sample ID		HA-8 (2-4')	HA-9S (0-2")	HA-9 (0-2')	HA-9 (2-4')	HA-10S (0-2")
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		2.0-4.0	0.0-0.2	0.0-2.0	2.0-4.0	0.0-0.2
Date Sampled		04/29/14	04/29/14	04/29/14	04/29/14	04/29/14
Parameter	**Units**					
Volatile Organic Compounds						
Bromoform	MG/KG	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U
Bromomethane	MG/KG	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U
Carbon disulfide	MG/KG	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U
Carbon tetrachloride	MG/KG	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U
Chlorobenzene	MG/KG	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U
Chloroethane	MG/KG	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U
Chloroform	MG/KG	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U
Chloromethane	MG/KG	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U
Cyclohexane	MG/KG	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U
Dibromochloromethane	MG/KG	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U
Dichlorodifluoromethane	MG/KG	0.012 UJ	0.013 UJ	0.013 UJ	0.013 UJ	0.013 UJ
Ethylbenzene	MG/KG	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U
Isopropylbenzene (Cumene)	MG/KG	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U
Methyl acetate	MG/KG	0.012 UJ	0.013 UJ	0.013 UJ	0.013 UJ	0.013 UJ
Methyl ethyl ketone (2-Butanone)	MG/KG	0.0070 J	0.013 UJ	0.013 UJ	0.021 J	0.013 UJ
Methyl tert-butyl ether	MG/KG	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U
Methylcyclohexane	MG/KG	0.012 UJ	0.013 UJ	0.013 UJ	0.013 UJ	0.013 UJ
Methylene chloride	MG/KG	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U
Styrene	MG/KG	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U
Tetrachloroethene	MG/KG	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U
Toluene	MG/KG	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U
Trichloroethene	MG/KG	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U
Trichlorofluoromethane	MG/KG	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		HA-08	HA-09	HA-09	HA-09	HA-10
Sample ID		HA-8 (2-4')	HA-9S (0-2")	HA-9 (0-2')	HA-9 (2-4')	HA-10S (0-2")
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		2.0-4.0	0.0-0.2	0.0-2.0	2.0-4.0	0.0-0.2
Date Sampled		04/29/14	04/29/14	04/29/14	04/29/14	04/29/14
Parameter	**Units**					
Volatile Organic Compounds						
Vinyl chloride	MG/KG	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U
Xylene (total)	MG/KG	0.012 U	0.013 U	0.013 U	0.013 U	0.013 U
Semivolatile Organic Compounds						
1,1-Biphenyl	MG/KG	0.38 U	0.42 U	0.11 J	0.42 U	0.41 U
2,2-oxybis(1-Chloropropane)	MG/KG	0.38 U	0.42 U	0.41 U	0.42 U	0.41 U
2,4,5-Trichlorophenol	MG/KG	0.96 U	1.1 U	1.0 U	1.1 U	1.0 U
2,4,6-Trichlorophenol	MG/KG	0.38 U	0.42 U	0.41 U	0.42 U	0.41 U
2,4-Dichlorophenol	MG/KG	0.38 U	0.42 U	0.41 U	0.42 U	0.41 U
2,4-Dimethylphenol	MG/KG	0.38 U	0.42 U	0.41 U	0.42 U	0.41 U
2,4-Dinitrophenol	MG/KG	0.96 U	1.1 U	1.0 U	1.1 U	1.0 U
2,4-Dinitrotoluene	MG/KG	0.38 U	0.42 U	0.41 U	0.42 U	0.41 U
2,6-Dinitrotoluene	MG/KG	0.38 U	0.42 U	0.41 U	0.42 U	0.41 U
2-Chloronaphthalene	MG/KG	0.38 U	0.42 U	0.41 U	0.42 U	0.41 U
2-Chlorophenol	MG/KG	0.38 U	0.42 U	0.41 U	0.42 U	0.41 U
2-Methylnaphthalene	MG/KG	0.38 U	0.42 U	0.41 J	0.42 U	0.41 U
2-Methylphenol (o-cresol)	MG/KG	0.23 U	0.26 U	0.25 U	0.26 U	0.25 U
2-Nitroaniline	MG/KG	0.96 U	1.1 U	1.0 U	1.1 U	1.0 U
2-Nitrophenol	MG/KG	0.38 U	0.42 U	0.41 U	0.42 U	0.41 U
3,3-Dichlorobenzidine	MG/KG	0.38 U	0.42 U	0.41 U	0.42 U	0.41 U
3-Nitroaniline	MG/KG	0.96 U	1.1 U	1.0 U	1.1 U	1.0 U
4,6-Dinitro-2-methylphenol	MG/KG	0.96 U	1.1 U	1.0 U	1.1 U	1.0 U
4-Bromophenyl-phenylether	MG/KG	0.38 U	0.42 U	0.41 U	0.42 U	0.41 U
4-Chloro-3-methylphenol	MG/KG	0.38 U	0.42 U	0.41 U	0.42 U	0.41 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		HA-08	HA-09	HA-09	HA-09	HA-10
Sample ID		HA-8 (2-4')	HA-9S (0-2")	HA-9 (0-2')	HA-9 (2-4')	HA-10S (0-2")
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		2.0-4.0	0.0-0.2	0.0-2.0	2.0-4.0	0.0-0.2
Date Sampled		04/29/14	04/29/14	04/29/14	04/29/14	04/29/14
Parameter	**Units**					
Semivolatile Organic Compounds						
4-Chloroaniline	MG/KG	0.38 U	0.42 U	0.41 U	0.42 U	0.41 U
4-Chlorophenyl-phenylether	MG/KG	0.38 U	0.42 U	0.41 U	0.42 U	0.41 U
4-Methylphenol (p-cresol)	MG/KG	0.23 U	0.26 U	0.25 U	0.26 U	0.25 U
4-Nitroaniline	MG/KG	0.96 U	1.1 U	1.0 U	1.1 U	1.0 U
4-Nitrophenol	MG/KG	0.96 UJ	1.1 UJ	1.0 UJ	1.1 UJ	1.0 UJ
Acenaphthene	MG/KG	0.38 U	0.42 U	0.19 J	0.42 U	0.41 U
Acenaphthylene	MG/KG	0.38 U	0.42 U	0.16 J	0.42 U	0.41 U
Acetophenone	MG/KG	0.38 U	0.42 U	0.41 U	0.42 U	0.41 U
Anthracene	MG/KG	0.38 U	0.42 U	0.17 J	0.42 U	0.41 U
Atrazine	MG/KG	0.38 U	0.42 U	0.41 U	0.42 U	0.41 U
Benzaldehyde	MG/KG	0.38 U	0.42 U	0.41 U	0.42 U	0.41 U
Benzo(a)anthracene	MG/KG	0.38 U	0.42 U	1.3	0.42 U	0.093 J
Benzo(a)pyrene	MG/KG	0.38 U	0.42 U	1.6	0.42 U	0.092 J
Benzo(b)fluoranthene	MG/KG	0.38 U	0.42 U	2.7	0.42 U	0.16 J
Benzo(g,h,i)perylene	MG/KG	0.38 U	0.42 U	0.64	0.42 U	0.41 U
Benzo(k)fluoranthene	MG/KG	0.38 U	0.42 U	1.2	0.42 U	0.41 U
bis(2-Chloroethoxy)methane	MG/KG	0.38 U	0.42 U	0.41 U	0.42 U	0.41 U
bis(2-Chloroethyl)ether	MG/KG	0.38 U	0.42 U	0.41 U	0.42 U	0.41 U
bis(2-Ethylhexyl)phthalate	MG/KG	0.38 U	0.42 U	0.41 U	0.42 U	1.4
Butylbenzylphthalate	MG/KG	0.38 U	0.42 U	0.41 U	0.42 U	0.41 U
Caprolactam	MG/KG	0.38 U	0.42 U	0.41 U	0.42 U	0.41 U
Carbazole	MG/KG	0.38 U	0.42 U	0.41 J	0.42 U	0.41 U
Chrysene	MG/KG	0.38 U	0.42 U	3.1	0.42 U	0.13 J

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		HA-08	HA-09	HA-09	HA-09	HA-10
Sample ID		HA-8 (2-4')	HA-9S (0-2")	HA-9 (0-2')	HA-9 (2-4')	HA-10S (0-2")
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		2.0-4.0	0.0-0.2	0.0-2.0	2.0-4.0	0.0-0.2
Date Sampled		04/29/14	04/29/14	04/29/14	04/29/14	04/29/14
Parameter	**Units**					
Semivolatile Organic Compounds						
Dibenz(a,h)anthracene	MG/KG	0.23 U	0.26 U	0.22 J	0.26 U	0.25 U
Dibenzofuran	MG/KG	0.38 U	0.42 U	0.49	0.42 U	0.41 U
Diethylphthalate	MG/KG	0.38 U	0.42 U	0.41 U	0.42 U	0.41 U
Dimethylphthalate	MG/KG	0.38 U	0.42 U	0.41 U	0.42 U	0.41 U
Di-n-butylphthalate	MG/KG	0.38 U	0.42 U	0.41 U	0.42 U	0.41 U
Di-n-octylphthalate	MG/KG	0.38 U	0.42 U	0.41 U	0.42 U	0.13 J
Fluoranthene	MG/KG	0.38 U	0.42 U	8.8 D	0.42 U	0.22 J
Fluorene	MG/KG	0.38 U	0.42 U	0.59	0.42 U	0.41 U
Hexachlorobenzene	MG/KG	0.38 U	0.42 U	0.41 U	0.42 U	0.41 U
Hexachlorobutadiene	MG/KG	0.38 U	0.42 U	0.41 U	0.42 U	0.41 U
Hexachlorocyclopentadiene	MG/KG	0.38 U	0.42 U	0.41 U	0.42 U	0.41 U
Hexachloroethane	MG/KG	0.38 U	0.42 U	0.41 U	0.42 U	0.41 U
Indeno(1,2,3-cd)pyrene	MG/KG	0.38 U	0.42 U	0.71	0.42 U	0.41 U
Isophorone	MG/KG	0.38 U	0.42 U	0.41 U	0.42 U	0.41 U
Naphthalene	MG/KG	0.38 U	0.42 U	0.48	0.42 U	0.41 U
Nitrobenzene	MG/KG	0.38 U	0.42 U	0.41 U	0.42 U	0.41 U
N-Nitroso-di-n-propylamine	MG/KG	0.38 U	0.42 U	0.41 U	0.42 U	0.41 U
N-Nitrosodiphenylamine	MG/KG	0.38 U	0.42 U	0.41 U	0.42 U	0.41 U
Pentachlorophenol	MG/KG	0.58 UJ	0.64 UJ	0.63 UJ	0.64 UJ	0.62 UJ
Phenanthrene	MG/KG	0.38 U	0.42 U	9.9 D	0.42 U	0.13 J
Phenol	MG/KG	0.23 U	0.26 U	0.25 U	0.26 U	0.25 U
Pyrene	MG/KG	0.38 U	0.42 U	8.6 D	0.42 U	0.21 J

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		HA-08	HA-09	HA-09	HA-09	HA-10
Sample ID		HA-8 (2-4')	HA-9S (0-2")	HA-9 (0-2')	HA-9 (2-4')	HA-10S (0-2")
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		2.0-4.0	0.0-0.2	0.0-2.0	2.0-4.0	0.0-0.2
Date Sampled		04/29/14	04/29/14	04/29/14	04/29/14	04/29/14
Parameter	**Units**					
Pesticide Organic Compounds						
4,4'-DDD	MG/KG	0.0040 U	0.0040 U	0.0040 U	0.0040 UJ	0.0040 U
4,4'-DDE	MG/KG	0.0040 U	0.0040 U	0.0040 U	0.0040 UJ	0.010
4,4'-DDT	MG/KG	0.0040 U	0.0040 U	0.0040 U	0.0040 UJ	0.0066
Aldrin	MG/KG	0.0020 U	0.0020 U	0.0020 U	0.0020 UJ	0.0020 U
alpha-BHC	MG/KG	0.0020 U	0.0020 U	0.0020 U	0.0020 UJ	0.0020 U
alpha-Chlordane	MG/KG	0.0020 U	0.0020 U	0.0020 U	0.0020 UJ	0.0020 U
beta-BHC	MG/KG	0.0020 U	0.0076	0.0020 U	0.0014 NJ	0.0020 U
delta-BHC	MG/KG	0.0020 U	0.0020 U	0.0020 U	0.0020 UJ	0.0020 U
Dieldrin	MG/KG	0.0040 U	0.0045 NJ	0.053	0.0040 UJ	0.0040 U
Endosulfan I	MG/KG	0.0020 U	0.0020 U	0.0020 U	0.0020 UJ	0.0020 U
Endosulfan II	MG/KG	0.0040 U	0.0040 U	0.0040 U	0.0040 UJ	0.0040 U
Endosulfan sulfate	MG/KG	0.0040 U	0.0040 U	0.0040 U	0.0040 UJ	0.0040 U
Endrin	MG/KG	0.0040 U	0.0040 U	0.0040 U	0.0040 UJ	0.0040 U
Endrin aldehyde	MG/KG	0.0040 U	0.0040 U	0.0040 U	0.0040 UJ	0.0040 U
Endrin ketone	MG/KG	0.0040 U	0.0040 U	0.0040 U	0.0040 UJ	0.0040 U
gamma-BHC (Lindane)	MG/KG	0.0020 U	0.010 NJ	0.0020 U	0.0020 UJ	0.0020 U
gamma-Chlordane	MG/KG	0.0020 U	0.0020 U	0.0020 U	0.0020 UJ	0.0020 U
Heptachlor	MG/KG	0.0020 U	0.0020 U	0.0020 U	0.0020 UJ	0.0020 U
Heptachlor epoxide	MG/KG	0.0020 U	0.0020 U	0.0020 U	0.0020 UJ	0.0020 U
Methoxychlor	MG/KG	0.020 U	0.022 U	0.021 U	0.022 UJ	0.021 U
Toxaphene	MG/KG	0.20 U	0.22 U	0.21 U	0.22 UJ	0.21 U
Herbicides						
2,4,5-T	MG/KG	0.0060 U	0.0060 U	0.0060 U	R	0.0060 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		HA-08	HA-09	HA-09	HA-09	HA-10
Sample ID		HA-8 (2-4')	HA-9S (0-2")	HA-9 (0-2')	HA-9 (2-4')	HA-10S (0-2")
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		2.0-4.0	0.0-0.2	0.0-2.0	2.0-4.0	0.0-0.2
Date Sampled		04/29/14	04/29/14	04/29/14	04/29/14	04/29/14
Parameter	**Units**					
Herbicides						
2,4,5-TP (Silvex)	MG/KG	0.0060 U	0.0060 U	0.0060 U	R	0.0060 U
2,4-D	MG/KG	0.012 U	0.013 U	0.012 U	R	0.012 U
2,4-DB	MG/KG	0.012 U	0.013 U	0.012 U	R	0.012 U
Dicamba	MG/KG	0.0030 U	0.0040 U	0.0040 U	0.015	0.0040 U
Dinoseb	MG/KG	0.0050 U	0.0050 U	0.0050 U	R	0.0050 U
Picrolam	MG/KG	0.012 U	0.013 U	0.012 U	0.013 U	0.012 U
Metals						
Aluminum	MG/KG	10,400	7,260	9,410	12,700	9,180
Antimony	MG/KG	0.22 U	0.32 J	0.24 U	0.25 U	0.37 J
Arsenic	MG/KG	2.7	1.8	8.6	4.4	5.5
Barium	MG/KG	62.2	34.3	155	116	104
Beryllium	MG/KG	0.52 U	0.26 U	0.52 J	0.65	0.50 J
Cadmium	MG/KG	0.013 U	0.014 U	0.014 U	0.014 U	0.015 U
Calcium	MG/KG	2,370	2,320	4,140	6,240	16,500
Chromium	MG/KG	18.6	7.9	18.2	29.1	19.5
Cobalt	MG/KG	8.0	3.0 U	6.1	23.5	7.8
Copper	MG/KG	9.7	8.9	40.1	14.2	53.5
Iron	MG/KG	16,800	8,810	17,100	26,500	18,200
Lead	MG/KG	16.6	44.2	355	54.9	119
Magnesium	MG/KG	2,700	1,180	1,980	3,190	2,540
Manganese	MG/KG	1,630	91.6	267	4,010	605
Mercury	MG/KG	0.021 J	0.021 U	0.023 J	0.13	0.15
Nickel	MG/KG	10.6	3.9 U	8.9	11.2	9.8

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		HA-08	HA-09	HA-09	HA-09	HA-10
Sample ID		HA-8 (2-4')	HA-9S (0-2")	HA-9 (0-2')	HA-9 (2-4')	HA-10S (0-2")
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		2.0-4.0	0.0-0.2	0.0-2.0	2.0-4.0	0.0-0.2
Date Sampled		04/29/14	04/29/14	04/29/14	04/29/14	04/29/14
Parameter	**Units**					
Metals						
Potassium	MG/KG	1,090	222 U	1,140	1,320	1,000
Selenium	MG/KG	1.9	1.6	2.9	1.6	2.6
Silver	MG/KG	1.8	0.94 U	1.9	2.9	2.0
Sodium	MG/KG	160 U	177 U	308 U	226 U	899
Thallium	MG/KG	2.7	0.16 U	0.16 U	8.5	0.17 U
Vanadium	MG/KG	25.3	11.7	25.5	35.3	26.8
Zinc	MG/KG	48.2	89.4	199	81.3	178

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		HA-10	HA-10	HA-11	MW-07	MW-07
Sample ID		HA-10 (0-2')	HA-10 (2-4')	HA-11S(0-2")	MW-7 (0-2')	MW-7 (2-4')
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-2.0	2.0-4.0	0.0-0.2	0.0-2.0	2.0-4.0
Date Sampled		04/29/14	04/29/14	04/29/14	04/28/14	04/28/14
Parameter	Units					
Volatile Organic Compounds						
1,1,1-Trichloroethane	MG/KG	0.013 U	0.012 U	0.012 U	0.013 U	0.011 U
1,1,2,2-Tetrachloroethane	MG/KG	0.013 U	0.012 U	0.012 U	0.013 U	0.011 U
1,1,2-Trichloro-1,2,2-trifluoroethane	MG/KG	0.013 U	0.012 U	0.012 U	0.013 U	0.011 U
1,1,2-Trichloroethane	MG/KG	0.013 U	0.012 U	0.012 U	0.013 U	0.011 U
1,1-Dichloroethane	MG/KG	0.013 U	0.012 U	0.012 U	0.013 U	0.011 U
1,1-Dichloroethene	MG/KG	0.013 U	0.012 U	0.012 U	0.013 U	0.011 U
1,2,4-Trichlorobenzene	MG/KG	0.013 UJ	0.012 UJ	0.012 UJ	0.013 U	0.011 U
1,2-Dibromo-3-chloropropane	MG/KG	0.013 U	0.012 U	0.012 U	0.013 U	0.011 U
1,2-Dibromoethane (Ethylene dibromide)	MG/KG	0.013 U	0.012 U	0.012 U	0.013 U	0.011 U
1,2-Dichlorobenzene	MG/KG	0.013 U	0.012 U	0.012 U	0.013 U	0.011 U
1,2-Dichloroethane	MG/KG	0.013 UJ	0.012 UJ	0.012 UJ	0.013 U	0.011 U
1,2-Dichloroethene (cis)	MG/KG	0.013 U	0.012 U	0.012 U	0.013 U	0.011 U
1,2-Dichloroethene (trans)	MG/KG	0.013 U	0.012 U	0.012 U	0.013 U	0.011 U
1,2-Dichloropropane	MG/KG	0.013 U	0.012 U	0.012 U	0.013 U	0.011 U
1,3-Dichlorobenzene	MG/KG	0.013 U	0.012 U	0.012 U	0.013 U	0.011 U
1,3-Dichloropropene (cis)	MG/KG	0.013 U	0.012 U	0.012 U	0.013 U	0.011 U
1,3-Dichloropropene (trans)	MG/KG	0.013 U	0.012 U	0.012 U	0.013 U	0.011 U
1,4-Dichlorobenzene	MG/KG	0.013 U	0.012 U	0.012 U	0.013 U	0.011 U
2-Hexanone	MG/KG	0.013 UJ	0.012 UJ	0.012 UJ	0.013 UJ	0.011 UJ
4-Methyl-2-pentanone	MG/KG	0.013 UJ	0.012 UJ	0.012 UJ	0.013 UJ	0.011 UJ
Acetone	MG/KG	0.013 UJ	0.012 UJ	0.012 UJ	0.013 UJ	0.011 UJ
Benzene	MG/KG	0.013 U	0.012 U	0.012 U	0.013 U	0.011 U
Bromodichloromethane	MG/KG	0.013 U	0.012 U	0.012 U	0.013 U	0.011 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		HA-10	HA-10	HA-11	MW-07	MW-07
Sample ID		HA-10 (0-2')	HA-10 (2-4')	HA-11S(0-2")	MW-7 (0-2')	MW-7 (2-4')
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-2.0	2.0-4.0	0.0-0.2	0.0-2.0	2.0-4.0
Date Sampled		04/29/14	04/29/14	04/29/14	04/28/14	04/28/14
Parameter	**Units**					
Volatile Organic Compounds						
Bromoform	MG/KG	0.013 U	0.012 U	0.012 U	0.013 U	0.011 U
Bromomethane	MG/KG	0.013 U	0.012 U	0.012 U	0.013 U	0.011 U
Carbon disulfide	MG/KG	0.013 U	0.012 U	0.012 U	0.013 U	0.011 U
Carbon tetrachloride	MG/KG	0.013 U	0.012 U	0.012 U	0.013 U	0.011 U
Chlorobenzene	MG/KG	0.013 U	0.012 U	0.012 U	0.013 U	0.011 U
Chloroethane	MG/KG	0.013 U	0.012 U	0.012 U	0.013 U	0.011 U
Chloroform	MG/KG	0.013 U	0.012 U	0.012 U	0.013 U	0.011 U
Chloromethane	MG/KG	0.013 U	0.012 U	0.012 U	0.013 U	0.011 U
Cyclohexane	MG/KG	0.013 U	0.012 U	0.012 U	0.013 U	0.011 U
Dibromochloromethane	MG/KG	0.013 U	0.012 U	0.012 U	0.013 U	0.011 U
Dichlorodifluoromethane	MG/KG	0.013 UJ	0.012 UJ	0.012 UJ	0.013 UJ	0.011 UJ
Ethylbenzene	MG/KG	0.013 U	0.012 U	0.012 U	0.013 U	0.011 U
Isopropylbenzene (Cumene)	MG/KG	0.013 U	0.012 U	0.012 U	0.013 U	0.011 U
Methyl acetate	MG/KG	0.013 UJ	0.012 UJ	0.012 UJ	0.013 U	0.011 U
Methyl ethyl ketone (2-Butanone)	MG/KG	0.013 UJ	0.012 UJ	0.012 UJ	0.013 UJ	0.011 UJ
Methyl tert-butyl ether	MG/KG	0.013 U	0.012 U	0.012 U	0.013 U	0.011 U
Methylcyclohexane	MG/KG	0.013 UJ	0.012 UJ	0.012 UJ	0.013 UJ	0.011 UJ
Methylene chloride	MG/KG	0.013 U	0.012 U	0.012 U	0.013 U	0.011 U
Styrene	MG/KG	0.013 U	0.012 U	0.012 U	0.013 U	0.011 U
Tetrachloroethene	MG/KG	0.013 U	0.012 U	0.012 U	0.013 U	0.011 U
Toluene	MG/KG	0.013 U	0.012 U	0.012 U	0.013 U	0.011 U
Trichloroethene	MG/KG	0.013 U	0.012 U	0.012 U	0.013 U	0.011 U
Trichlorofluoromethane	MG/KG	0.013 U	0.012 U	0.012 U	0.013 U	0.011 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		HA-10	HA-10	HA-11	MW-07	MW-07
Sample ID		HA-10 (0-2')	HA-10 (2-4')	HA-11S(0-2")	MW-7 (0-2')	MW-7 (2-4')
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-2.0	2.0-4.0	0.0-0.2	0.0-2.0	2.0-4.0
Date Sampled		04/29/14	04/29/14	04/29/14	04/28/14	04/28/14
Parameter	**Units**					
Volatile Organic Compounds						
Vinyl chloride	MG/KG	0.013 U	0.012 U	0.012 U	0.013 U	0.011 U
Xylene (total)	MG/KG	0.013 U	0.012 U	0.012 U	0.013 U	0.011 U
Semivolatile Organic Compounds						
1,1-Biphenyl	MG/KG	0.41 U	0.40 U	0.40 U	0.41 U	0.37 U
2,2-oxybis(1-Chloropropane)	MG/KG	0.41 U	0.40 U	0.40 U	0.41 U	0.37 U
2,4,5-Trichlorophenol	MG/KG	1.0 U	1.0 U	1.0 U	1.0 U	0.92 U
2,4,6-Trichlorophenol	MG/KG	0.41 U	0.40 U	0.40 U	0.41 U	0.37 U
2,4-Dichlorophenol	MG/KG	0.41 U	0.40 U	0.40 U	0.41 U	0.37 U
2,4-Dimethylphenol	MG/KG	0.41 U	0.40 U	0.40 U	0.41 U	0.37 U
2,4-Dinitrophenol	MG/KG	1.0 U	1.0 U	1.0 U	1.0 UJ	0.92 UJ
2,4-Dinitrotoluene	MG/KG	0.41 U	0.40 U	0.40 U	0.41 U	0.37 U
2,6-Dinitrotoluene	MG/KG	0.41 U	0.40 U	0.40 U	0.41 U	0.37 U
2-Chloronaphthalene	MG/KG	0.41 U	0.40 U	0.40 U	0.41 U	0.37 U
2-Chlorophenol	MG/KG	0.41 U	0.40 U	0.40 U	0.41 U	0.37 U
2-Methylnaphthalene	MG/KG	0.41 U	0.40 U	0.40 U	0.41 U	0.097 J
2-Methylphenol (o-cresol)	MG/KG	0.25 U	0.24 U	0.24 U	0.25 U	0.22 U
2-Nitroaniline	MG/KG	1.0 U	1.0 U	1.0 U	1.0 UJ	0.92 UJ
2-Nitrophenol	MG/KG	0.41 U	0.40 U	0.40 U	0.41 U	0.37 U
3,3-Dichlorobenzidine	MG/KG	0.41 U	0.40 U	0.40 U	0.41 U	0.37 U
3-Nitroaniline	MG/KG	1.0 U	1.0 U	1.0 U	1.0 U	0.92 U
4,6-Dinitro-2-methylphenol	MG/KG	1.0 U	1.0 U	1.0 U	1.0 UJ	0.92 UJ
4-Bromophenyl-phenylether	MG/KG	0.41 U	0.40 U	0.40 U	0.41 U	0.37 U
4-Chloro-3-methylphenol	MG/KG	0.41 U	0.40 U	0.40 U	0.41 U	0.37 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		HA-10	HA-10	HA-11	MW-07	MW-07
Sample ID		HA-10 (0-2')	HA-10 (2-4')	HA-11S(0-2")	MW-7 (0-2')	MW-7 (2-4')
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-2.0	2.0-4.0	0.0-0.2	0.0-2.0	2.0-4.0
Date Sampled		04/29/14	04/29/14	04/29/14	04/28/14	04/28/14
Parameter	**Units**					
Semivolatile Organic Compounds						
4-Chloroaniline	MG/KG	0.41 U	0.40 U	0.40 U	0.41 U	0.37 U
4-Chlorophenyl-phenylether	MG/KG	0.41 U	0.40 U	0.40 U	0.41 U	0.37 U
4-Methylphenol (p-cresol)	MG/KG	0.25 U	0.24 U	0.24 U	0.25 U	0.22 U
4-Nitroaniline	MG/KG	1.0 U	1.0 U	1.0 U	1.0 U	0.92 U
4-Nitrophenol	MG/KG	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	0.92 UJ
Acenaphthene	MG/KG	0.41 U	0.40 U	0.40 U	0.41 U	0.37 U
Acenaphthylene	MG/KG	0.41 U	0.40 U	0.40 U	0.41 U	0.37 U
Acetophenone	MG/KG	0.41 U	0.40 U	0.40 U	0.41 U	0.37 U
Anthracene	MG/KG	0.41 U	0.40 U	0.40 U	0.41 U	0.37 U
Atrazine	MG/KG	0.41 U	0.40 U	0.40 U	0.41 U	0.37 U
Benzaldehyde	MG/KG	0.41 U	0.40 U	0.40 U	0.41 UJ	0.37 UJ
Benzo(a)anthracene	MG/KG	0.39 J	0.40 U	0.11 J	0.41 U	0.074 J
Benzo(a)pyrene	MG/KG	0.42	0.40 U	0.13 J	0.41 U	0.10 J
Benzo(b)fluoranthene	MG/KG	0.65	0.40 U	0.20 J	0.095 J	0.18 J
Benzo(g,h,i)perylene	MG/KG	0.19 J	0.40 U	0.40 U	0.41 UJ	0.11 J
Benzo(k)fluoranthene	MG/KG	0.28 J	0.40 U	0.098 J	0.41 U	0.37 U
bis(2-Chloroethoxy)methane	MG/KG	0.41 U	0.40 U	0.40 U	0.41 U	0.37 U
bis(2-Chloroethyl)ether	MG/KG	0.41 U	0.40 U	0.40 U	0.41 U	0.37 U
bis(2-Ethylhexyl)phthalate	MG/KG	0.41 U	0.40 U	0.40 U	0.41 UJ	0.14 J
Butylbenzylphthalate	MG/KG	0.41 U	0.40 U	0.40 U	0.41 U	0.37 U
Caprolactam	MG/KG	0.41 U	0.40 U	0.40 U	0.41 U	0.37 U
Carbazole	MG/KG	0.41 U	0.40 U	0.40 U	0.41 U	0.37 U
Chrysene	MG/KG	0.51	0.40 U	0.17 J	0.11 J	0.19 J

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		HA-10	HA-10	HA-11	MW-07	MW-07
Sample ID		HA-10 (0-2')	HA-10 (2-4')	HA-11S(0-2")	MW-7 (0-2')	MW-7 (2-4')
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-2.0	2.0-4.0	0.0-0.2	0.0-2.0	2.0-4.0
Date Sampled		04/29/14	04/29/14	04/29/14	04/28/14	04/28/14
Parameter	**Units**					
Semivolatile Organic Compounds						
Dibenz(a,h)anthracene	MG/KG	0.25 U	0.24 U	0.24 U	0.25 U	0.22 U
Dibenzofuran	MG/KG	0.41 U	0.40 U	0.40 U	0.41 U	0.37 U
Diethylphthalate	MG/KG	0.41 U	0.40 U	0.40 U	0.41 U	0.37 U
Dimethylphthalate	MG/KG	0.41 U	0.40 U	0.40 U	0.41 U	0.37 U
Di-n-butylphthalate	MG/KG	0.13 J	0.40 U	0.40 U	0.41 U	0.37 U
Di-n-octylphthalate	MG/KG	0.41 U	0.40 U	0.40 U	0.41 UJ	0.37 UJ
Fluoranthene	MG/KG	0.79	0.40 U	0.23 J	0.21 J	0.25 J
Fluorene	MG/KG	0.41 U	0.40 U	0.40 U	0.41 U	0.37 U
Hexachlorobenzene	MG/KG	0.41 U	0.40 U	0.40 U	0.41 U	0.37 U
Hexachlorobutadiene	MG/KG	0.41 U	0.40 U	0.40 U	0.41 U	0.37 U
Hexachlorocyclopentadiene	MG/KG	0.41 U	0.40 U	0.40 U	0.41 U	0.37 U
Hexachloroethane	MG/KG	0.41 U	0.40 U	0.40 U	0.41 U	0.37 U
Indeno(1,2,3-cd)pyrene	MG/KG	0.18 J	0.40 U	0.40 U	0.41 U	0.37 U
Isophorone	MG/KG	0.41 U	0.40 U	0.40 U	0.41 U	0.37 U
Naphthalene	MG/KG	0.41 U	0.40 U	0.40 U	0.41 U	0.37 U
Nitrobenzene	MG/KG	0.41 U	0.40 U	0.40 U	0.41 U	0.37 U
N-Nitroso-di-n-propylamine	MG/KG	0.41 U	0.40 U	0.40 U	0.41 U	0.37 U
N-Nitrosodiphenylamine	MG/KG	0.41 U	0.40 U	0.40 U	0.41 U	0.37 U
Pentachlorophenol	MG/KG	0.63 UJ	0.60 UJ	0.60 UJ	0.62 U	0.55 U
Phenanthrene	MG/KG	0.39 J	0.40 U	0.12 J	0.12 J	0.16 J
Phenol	MG/KG	0.25 U	0.24 U	0.24 U	0.25 U	0.22 U
Pyrene	MG/KG	0.83	0.40 U	0.26 J	0.16 J	0.27 J

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		HA-10	HA-10	HA-11	MW-07	MW-07
Sample ID		HA-10 (0-2')	HA-10 (2-4')	HA-11S(0-2")	MW-7 (0-2')	MW-7 (2-4')
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-2.0	2.0-4.0	0.0-0.2	0.0-2.0	2.0-4.0
Date Sampled		04/29/14	04/29/14	04/29/14	04/28/14	04/28/14
Parameter	**Units**					
Pesticide Organic Compounds						
4,4'-DDD	MG/KG	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
4,4'-DDE	MG/KG	0.021 NJ	0.0032 J	0.0024 J	0.0040 U	0.0029 J
4,4'-DDT	MG/KG	0.014	0.0031 J	0.0040 U	0.0040 U	0.0073
Aldrin	MG/KG	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
alpha-BHC	MG/KG	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
alpha-Chlordane	MG/KG	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
beta-BHC	MG/KG	0.0027 NJ	0.0020 U	0.0020 U	0.0020 U	0.0020 U
delta-BHC	MG/KG	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Dieldrin	MG/KG	R	0.0040 U	0.0031 J	0.0040 U	0.0040 U
Endosulfan I	MG/KG	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0029
Endosulfan II	MG/KG	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0052
Endosulfan sulfate	MG/KG	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endrin	MG/KG	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endrin aldehyde	MG/KG	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endrin ketone	MG/KG	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
gamma-BHC (Lindane)	MG/KG	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
gamma-Chlordane	MG/KG	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Heptachlor	MG/KG	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Heptachlor epoxide	MG/KG	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Methoxychlor	MG/KG	0.022 U	0.02 U	0.02 U	0.021 U	0.019 U
Toxaphene	MG/KG	0.22 U	0.20 U	0.20 U	0.21 U	0.19 U
Herbicides						
2,4,5-T	MG/KG	0.0060 U	0.0060 U	0.0060 U	0.0060 U	0.0060 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		HA-10	HA-10	HA-11	MW-07	MW-07
Sample ID		HA-10 (0-2')	HA-10 (2-4')	HA-11S(0-2")	MW-7 (0-2')	MW-7 (2-4')
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-2.0	2.0-4.0	0.0-0.2	0.0-2.0	2.0-4.0
Date Sampled		04/29/14	04/29/14	04/29/14	04/28/14	04/28/14
Parameter	**Units**					
Herbicides						
2,4,5-TP (Silvex)	MG/KG	0.0060 U	0.0060 U	0.0060 U	0.0060 U	0.0060 U
2,4-D	MG/KG	0.013 U	0.012 U	0.012 U	0.012 U	0.011 U
2,4-DB	MG/KG	0.013 U	0.012 U	0.012 U	0.012 U	0.011 U
Dicamba	MG/KG	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0030 U
Dinoseb	MG/KG	0.0059	0.0050 U	0.0050 U	0.0050 U	0.0040 U
Picrolam	MG/KG	0.013 U	0.012 U	0.012 U	0.012 U	0.011 U
Metals						
Aluminum	MG/KG	6,760	8,880	7,080	2,160	3,280
Antimony	MG/KG	0.46 J	0.28 J	0.26 J	0.32 J	0.27 J
Arsenic	MG/KG	15.7 J+	7.7	5.1	3.1	13.3
Barium	MG/KG	77.3	60.7	75.5	41.0	89.8
Beryllium	MG/KG	0.38 J	0.58 J	0.38 J	0.42 U	0.35 U
Cadmium	MG/KG	0.014 U	0.13 U	0.34 J	0.014 U	0.012 U
Calcium	MG/KG	16,400	3,880	25,900	2,260	30,600
Chromium	MG/KG	60.0 J	37.6	15.9	10.9	486
Cobalt	MG/KG	6.3	7.5	5.5 J	4.2 U	4.8 U
Copper	MG/KG	35.8	14.8	16.6	20.9	25.8
Iron	MG/KG	13,700	44,700	13,300	3,620	8,870
Lead	MG/KG	193	76.5	122	118	64.3
Magnesium	MG/KG	6,940	1,800	13,100	501 U	15,300
Manganese	MG/KG	267	613	310	74.4	175
Mercury	MG/KG	0.040 J	0.11	0.020 U	0.020 U	0.018 U
Nickel	MG/KG	10.1 J	4.6 U	7.6	9.4	9.7

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		HA-10	HA-10	HA-11	MW-07	MW-07
Sample ID		HA-10 (0-2')	HA-10 (2-4')	HA-11S(0-2")	MW-7 (0-2')	MW-7 (2-4')
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		0.0-2.0	2.0-4.0	0.0-0.2	0.0-2.0	2.0-4.0
Date Sampled		04/29/14	04/29/14	04/29/14	04/28/14	04/28/14
Parameter	**Units**					
Metals						
Potassium	MG/KG	789	770	813	343 U	473 U
Selenium	MG/KG	2.5	6.9	1.7	0.81 U	1.4
Silver	MG/KG	1.5	4.5	1.4	0.38 U	1.1
Sodium	MG/KG	635	337 U	515 U	215 J	207 J
Thallium	MG/KG	0.16 U	0.25 J	0.15 U	0.16 U	0.14 U
Vanadium	MG/KG	19.1	46.9	20.2	13.4	19.4
Zinc	MG/KG	212	67.8	145	56.9	108

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		MW-07	MW-07	MW-07	MW-07	MW-07
Sample ID		MW-7 (4-6')	MW-7 (6-8')	MW-7 (8-10')	MW-7 (10-12')	MW-7 (12-14')
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		4.0-6.0	6.0-8.0	8.0-10.0	10.0-12.0	12.0-14.0
Date Sampled		04/28/14	04/28/14	04/28/14	04/28/14	04/28/14
Parameter	Units					
Volatile Organic Compounds						
1,1,1-Trichloroethane	MG/KG	0.012 U	0.012 U	0.012 U	0.011 U	0.013 U
1,1,2,2-Tetrachloroethane	MG/KG	0.012 U	0.012 U	0.012 U	0.011 U	0.013 U
1,1,2-Trichloro-1,2,2-trifluoroethane	MG/KG	0.012 U	0.012 U	0.012 U	0.011 U	0.013 U
1,1,2-Trichloroethane	MG/KG	0.012 U	0.012 U	0.012 U	0.011 U	0.013 U
1,1-Dichloroethane	MG/KG	0.012 U	0.012 U	0.012 U	0.011 U	0.013 U
1,1-Dichloroethene	MG/KG	0.012 U	0.012 U	0.012 U	0.011 U	0.013 U
1,2,4-Trichlorobenzene	MG/KG	0.012 U	0.012 U	0.012 U	0.011 U	0.013 U
1,2-Dibromo-3-chloropropane	MG/KG	0.012 U	0.012 U	0.012 U	0.011 U	0.013 U
1,2-Dibromoethane (Ethylene dibromide)	MG/KG	0.012 U	0.012 U	0.012 U	0.011 U	0.013 U
1,2-Dichlorobenzene	MG/KG	0.012 U	0.012 U	0.012 U	0.011 U	0.013 U
1,2-Dichloroethane	MG/KG	0.012 U	0.012 U	0.012 U	0.011 U	0.013 U
1,2-Dichloroethene (cis)	MG/KG	0.012 U	0.012 U	0.012 U	0.011 U	0.013 U
1,2-Dichloroethene (trans)	MG/KG	0.012 U	0.012 U	0.012 U	0.011 U	0.013 U
1,2-Dichloropropane	MG/KG	0.012 U	0.012 U	0.012 U	0.011 U	0.013 U
1,3-Dichlorobenzene	MG/KG	0.012 U	0.012 U	0.012 U	0.011 U	0.013 U
1,3-Dichloropropene (cis)	MG/KG	0.012 U	0.012 U	0.012 U	0.011 U	0.013 U
1,3-Dichloropropene (trans)	MG/KG	0.012 U	0.012 U	0.012 U	0.011 U	0.013 U
1,4-Dichlorobenzene	MG/KG	0.012 U	0.012 U	0.012 U	0.011 U	0.013 U
2-Hexanone	MG/KG	0.012 UJ	0.012 UJ	0.012 UJ	0.011 UJ	0.013 UJ
4-Methyl-2-pentanone	MG/KG	0.012 UJ	0.012 UJ	0.012 UJ	0.011 UJ	0.013 UJ
Acetone	MG/KG	0.070 J	0.089 J	0.012 UJ	0.011 UJ	0.013 UJ
Benzene	MG/KG	0.012 U	0.012 U	0.012 U	0.011 U	0.013 U
Bromodichloromethane	MG/KG	0.012 U	0.012 U	0.012 U	0.011 U	0.013 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		MW-07	MW-07	MW-07	MW-07	MW-07
Sample ID		MW-7 (4-6')	MW-7 (6-8')	MW-7 (8-10')	MW-7 (10-12')	MW-7 (12-14')
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		4.0-6.0	6.0-8.0	8.0-10.0	10.0-12.0	12.0-14.0
Date Sampled		04/28/14	04/28/14	04/28/14	04/28/14	04/28/14
Parameter	**Units**					
Volatile Organic Compounds						
Bromoform	MG/KG	0.012 U	0.012 U	0.012 U	0.011 U	0.013 U
Bromomethane	MG/KG	0.012 U	0.012 U	0.012 U	0.011 U	0.013 U
Carbon disulfide	MG/KG	0.012 U	0.012 U	0.012 U	0.011 U	0.013 U
Carbon tetrachloride	MG/KG	0.012 U	0.012 U	0.012 U	0.011 U	0.013 U
Chlorobenzene	MG/KG	0.012 U	0.012 U	0.012 U	0.011 U	0.013 U
Chloroethane	MG/KG	0.012 U	0.012 U	0.012 U	0.011 U	0.013 U
Chloroform	MG/KG	0.012 U	0.012 U	0.012 U	0.011 U	0.013 U
Chloromethane	MG/KG	0.012 U	0.012 U	0.012 U	0.011 U	0.013 U
Cyclohexane	MG/KG	0.012 U	0.012 U	0.012 U	0.011 U	0.013 U
Dibromochloromethane	MG/KG	0.012 U	0.012 U	0.012 U	0.011 U	0.013 U
Dichlorodifluoromethane	MG/KG	0.012 UJ	0.012 UJ	0.012 UJ	0.011 UJ	0.013 UJ
Ethylbenzene	MG/KG	0.012 U	0.012 U	0.012 U	0.011 U	0.013 U
Isopropylbenzene (Cumene)	MG/KG	0.012 U	0.012 U	0.012 U	0.011 U	0.013 U
Methyl acetate	MG/KG	0.012 U	0.012 U	0.012 UJ	0.011 U	0.013 U
Methyl ethyl ketone (2-Butanone)	MG/KG	0.012 J	0.015 J	0.012 UJ	0.011 UJ	0.013 UJ
Methyl tert-butyl ether	MG/KG	0.012 U	0.012 U	0.012 U	0.011 U	0.013 U
Methylcyclohexane	MG/KG	0.012 UJ	0.012 UJ	0.012 UJ	0.011 UJ	0.013 UJ
Methylene chloride	MG/KG	0.012 U	0.012 U	0.012 U	0.011 U	0.013 U
Styrene	MG/KG	0.012 U	0.012 U	0.012 U	0.011 U	0.013 U
Tetrachloroethene	MG/KG	0.012 U	0.012 U	0.012 U	0.011 U	0.013 U
Toluene	MG/KG	0.012 U	0.012 U	0.012 U	0.011 U	0.013 U
Trichloroethene	MG/KG	0.012 U	0.012 U	0.012 U	0.011 U	0.013 U
Trichlorofluoromethane	MG/KG	0.012 U	0.012 U	0.012 U	0.011 U	0.013 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		MW-07	MW-07	MW-07	MW-07	MW-07
Sample ID		MW-7 (4-6')	MW-7 (6-8')	MW-7 (8-10')	MW-7 (10-12')	MW-7 (12-14')
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		4.0-6.0	6.0-8.0	8.0-10.0	10.0-12.0	12.0-14.0
Date Sampled		04/28/14	04/28/14	04/28/14	04/28/14	04/28/14
Parameter	**Units**					
Volatile Organic Compounds						
Vinyl chloride	MG/KG	0.012 U	0.012 U	0.012 U	0.011 U	0.013 U
Xylene (total)	MG/KG	0.012 U	0.012 U	0.012 U	0.011 U	0.013 U
Semivolatile Organic Compounds						
1,1-Biphenyl	MG/KG	0.39 U	0.41 U	0.39 U	0.38 U	0.42 U
2,2-oxybis(1-Chloropropane)	MG/KG	0.39 U	0.41 U	0.39 U	0.38 U	0.42 U
2,4,5-Trichlorophenol	MG/KG	0.99 U	1.0 U	0.97 U	0.97 U	1.1 U
2,4,6-Trichlorophenol	MG/KG	0.39 U	0.41 U	0.39 U	0.38 U	0.42 U
2,4-Dichlorophenol	MG/KG	0.39 U	0.41 U	0.39 U	0.38 U	0.42 U
2,4-Dimethylphenol	MG/KG	0.39 U	0.41 U	0.39 U	0.38 U	0.42 U
2,4-Dinitrophenol	MG/KG	0.99 UJ	1.0 UJ	0.97 UJ	0.97 UJ	1.1 UJ
2,4-Dinitrotoluene	MG/KG	0.39 U	0.41 U	0.39 U	0.38 U	0.42 U
2,6-Dinitrotoluene	MG/KG	0.39 U	0.41 U	0.39 U	0.38 U	0.42 U
2-Chloronaphthalene	MG/KG	0.39 U	0.41 U	0.39 U	0.38 U	0.42 U
2-Chlorophenol	MG/KG	0.39 U	0.41 U	0.39 U	0.38 U	0.42 U
2-Methylnaphthalene	MG/KG	0.39 U	0.41 U	0.39 U	0.38 U	0.42 U
2-Methylphenol (o-cresol)	MG/KG	0.24 U	0.25 U	0.23 U	0.23 U	0.25 U
2-Nitroaniline	MG/KG	0.99 UJ	1.0 UJ	0.97 UJ	0.97 UJ	1.1 UJ
2-Nitrophenol	MG/KG	0.39 U	0.41 U	0.39 U	0.38 U	0.42 U
3,3-Dichlorobenzidine	MG/KG	0.39 U	0.41 U	0.39 U	0.38 U	0.42 U
3-Nitroaniline	MG/KG	0.99 U	1.0 U	0.97 U	0.97 U	1.1 U
4,6-Dinitro-2-methylphenol	MG/KG	0.99 UJ	1.0 UJ	0.97 UJ	0.97 UJ	1.1 UJ
4-Bromophenyl-phenylether	MG/KG	0.39 U	0.41 U	0.39 U	0.38 U	0.42 U
4-Chloro-3-methylphenol	MG/KG	0.39 U	0.41 U	0.39 U	0.38 U	0.42 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		MW-07	MW-07	MW-07	MW-07	MW-07
Sample ID		MW-7 (4-6')	MW-7 (6-8')	MW-7 (8-10')	MW-7 (10-12')	MW-7 (12-14')
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		4.0-6.0	6.0-8.0	8.0-10.0	10.0-12.0	12.0-14.0
Date Sampled		04/28/14	04/28/14	04/28/14	04/28/14	04/28/14
Parameter	**Units**					
Semivolatile Organic Compounds						
4-Chloroaniline	MG/KG	0.39 U	0.41 U	0.39 U	0.38 U	0.42 U
4-Chlorophenyl-phenylether	MG/KG	0.39 U	0.41 U	0.39 U	0.38 U	0.42 U
4-Methylphenol (p-cresol)	MG/KG	0.24 U	0.25 U	0.23 U	0.23 U	0.25 U
4-Nitroaniline	MG/KG	0.99 U	1.0 U	0.97 U	0.97 U	1.1 U
4-Nitrophenol	MG/KG	0.99 UJ	1.0 UJ	0.97 UJ	0.97 UJ	1.1 UJ
Acenaphthene	MG/KG	0.39 U	0.41 U	0.39 U	0.38 U	0.42 U
Acenaphthylene	MG/KG	0.39 U	0.41 U	0.39 U	0.38 U	0.42 U
Acetophenone	MG/KG	0.39 U	0.41 U	0.39 U	0.38 U	0.42 U
Anthracene	MG/KG	0.39 U	0.41 U	0.39 U	0.38 U	0.42 U
Atrazine	MG/KG	0.39 U	0.41 U	0.39 U	0.38 U	0.42 U
Benzaldehyde	MG/KG	0.39 UJ	0.41 UJ	0.39 UJ	0.38 UJ	0.42 UJ
Benzo(a)anthracene	MG/KG	0.39 U	0.41 U	0.39 U	0.38 U	0.42 U
Benzo(a)pyrene	MG/KG	0.39 U	0.41 U	0.39 U	0.38 U	0.42 U
Benzo(b)fluoranthene	MG/KG	0.39 U	0.41 U	0.39 U	0.38 U	0.42 U
Benzo(g,h,i)perylene	MG/KG	0.39 UJ	0.41 UJ	0.39 UJ	0.38 UJ	0.42 UJ
Benzo(k)fluoranthene	MG/KG	0.39 U	0.41 U	0.39 U	0.38 U	0.42 U
bis(2-Chloroethoxy)methane	MG/KG	0.39 U	0.41 U	0.39 U	0.38 U	0.42 U
bis(2-Chloroethyl)ether	MG/KG	0.39 U	0.41 U	0.39 U	0.38 U	0.42 U
bis(2-Ethylhexyl)phthalate	MG/KG	0.39 UJ	0.11 J	0.39 UJ	0.38 UJ	0.42 UJ
Butylbenzylphthalate	MG/KG	0.39 U	0.41 U	0.39 U	0.38 U	0.42 U
Caprolactam	MG/KG	0.39 U	0.41 U	0.39 U	0.38 U	0.42 U
Carbazole	MG/KG	0.39 U	0.41 U	0.39 U	0.38 U	0.42 U
Chrysene	MG/KG	0.39 U	0.41 U	0.39 U	0.38 U	0.42 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		MW-07	MW-07	MW-07	MW-07	MW-07
Sample ID		MW-7 (4-6')	MW-7 (6-8')	MW-7 (8-10')	MW-7 (10-12')	MW-7 (12-14')
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		4.0-6.0	6.0-8.0	8.0-10.0	10.0-12.0	12.0-14.0
Date Sampled		04/28/14	04/28/14	04/28/14	04/28/14	04/28/14
Parameter	**Units**					
Semivolatile Organic Compounds						
Dibenz(a,h)anthracene	MG/KG	0.24 U	0.25 U	0.23 U	0.23 U	0.25 U
Dibenzofuran	MG/KG	0.39 U	0.41 U	0.39 U	0.38 U	0.42 U
Diethylphthalate	MG/KG	0.39 U	0.41 U	0.39 U	0.38 U	0.42 U
Dimethylphthalate	MG/KG	0.39 U	0.41 U	0.39 U	0.38 U	0.42 U
Di-n-butylphthalate	MG/KG	0.39 U	0.41 U	0.39 U	0.38 U	0.42 U
Di-n-octylphthalate	MG/KG	0.39 UJ	0.41 UJ	0.39 UJ	0.38 UJ	0.42 UJ
Fluoranthene	MG/KG	0.39 U	0.41 U	0.39 U	0.38 U	0.42 U
Fluorene	MG/KG	0.39 U	0.41 U	0.39 U	0.38 U	0.42 U
Hexachlorobenzene	MG/KG	0.39 U	0.41 U	0.39 U	0.38 U	0.42 U
Hexachlorobutadiene	MG/KG	0.39 U	0.41 U	0.39 U	0.38 U	0.42 U
Hexachlorocyclopentadiene	MG/KG	0.39 U	0.41 U	0.39 U	0.38 U	0.42 U
Hexachloroethane	MG/KG	0.39 U	0.41 U	0.39 U	0.38 U	0.42 U
Indeno(1,2,3-cd)pyrene	MG/KG	0.39 U	0.41 U	0.39 U	0.38 U	0.42 U
Isophorone	MG/KG	0.39 U	0.41 U	0.39 U	0.38 U	0.42 U
Naphthalene	MG/KG	0.39 U	0.41 U	0.39 U	0.38 U	0.42 U
Nitrobenzene	MG/KG	0.39 U	0.41 U	0.39 U	0.38 U	0.42 U
N-Nitroso-di-n-propylamine	MG/KG	0.39 U	0.41 U	0.39 U	0.38 U	0.42 U
N-Nitrosodiphenylamine	MG/KG	0.39 U	0.41 U	0.39 U	0.38 U	0.42 U
Pentachlorophenol	MG/KG	0.60 U	0.62 U	0.58 U	0.58 U	0.63 U
Phenanthrene	MG/KG	0.39 U	0.41 U	0.39 U	0.38 U	0.42 U
Phenol	MG/KG	0.24 U	0.25 U	0.23 U	0.23 U	0.25 U
Pyrene	MG/KG	0.39 U	0.41 U	0.39 U	0.38 U	0.42 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		MW-07	MW-07	MW-07	MW-07	MW-07
Sample ID		MW-7 (4-6')	MW-7 (6-8')	MW-7 (8-10')	MW-7 (10-12')	MW-7 (12-14')
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		4.0-6.0	6.0-8.0	8.0-10.0	10.0-12.0	12.0-14.0
Date Sampled		04/28/14	04/28/14	04/28/14	04/28/14	04/28/14
Parameter	**Units**					
Pesticide Organic Compounds						
4,4'-DDD	MG/KG	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
4,4'-DDE	MG/KG	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
4,4'-DDT	MG/KG	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Aldrin	MG/KG	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
alpha-BHC	MG/KG	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
alpha-Chlordane	MG/KG	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
beta-BHC	MG/KG	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
delta-BHC	MG/KG	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Dieldrin	MG/KG	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endosulfan I	MG/KG	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Endosulfan II	MG/KG	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endosulfan sulfate	MG/KG	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endrin	MG/KG	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endrin aldehyde	MG/KG	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endrin ketone	MG/KG	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
gamma-BHC (Lindane)	MG/KG	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
gamma-Chlordane	MG/KG	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Heptachlor	MG/KG	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Heptachlor epoxide	MG/KG	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Methoxychlor	MG/KG	0.020 U	0.021 U	0.020 U	0.020 U	0.022 U
Toxaphene	MG/KG	0.20 U	0.21 U	0.20 U	0.20 U	0.22 U
Herbicides						
2,4,5-T	MG/KG	0.0060 U	0.0060 U	0.0060 U	0.0060 U	0.0060 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		MW-07	MW-07	MW-07	MW-07	MW-07
Sample ID		MW-7 (4-6')	MW-7 (6-8')	MW-7 (8-10')	MW-7 (10-12')	MW-7 (12-14')
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		4.0-6.0	6.0-8.0	8.0-10.0	10.0-12.0	12.0-14.0
Date Sampled		04/28/14	04/28/14	04/28/14	04/28/14	04/28/14
Parameter	**Units**					
Herbicides						
2,4,5-TP (Silvex)	MG/KG	0.0060 U	0.0060 U	R	0.0030 NJ	R
2,4-D	MG/KG	0.012 U	0.012 U	0.012 U	0.012 U	0.013 U
2,4-DB	MG/KG	0.012 U	0.012 U	0.012 U	0.012 U	0.019 NJ
Dicamba	MG/KG	0.0040 U	0.0040 U	0.0040 U	0.0030 U	0.0080 J
Dinoseb	MG/KG	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.018 NJ
Picrolam	MG/KG	0.012 U	0.012 U	0.012 U	0.012 U	0.013 U
Metals						
Aluminum	MG/KG	8,800	10,800	6,800	9,810	11,400
Antimony	MG/KG	0.23 U	0.23 U	0.22 U	0.22 U	0.24 U
Arsenic	MG/KG	4.1	2.8	3.2	2.5	2.8
Barium	MG/KG	49.6	42.0	28.9	46.8	53.6
Beryllium	MG/KG	0.51 U	0.46 U	0.41 U	0.51 U	0.61 U
Cadmium	MG/KG	0.013 U	0.014 U	0.013 U	0.013 U	0.014 U
Calcium	MG/KG	2,570	2,520	3,150	5,000	5,910
Chromium	MG/KG	15.4	17.8	13.7	17.0	18.1
Cobalt	MG/KG	6.7	6.3	6.4	7.0	10.0
Copper	MG/KG	20.2	5.9	11.3	12.1	12.5
Iron	MG/KG	17,700	19,600	15,400	18,000	21,200
Lead	MG/KG	66.8	9.9	6.7	7.3	5.5
Magnesium	MG/KG	2,420	2,340	1,780	3,160	3,810
Manganese	MG/KG	313	164	178	206	236
Mercury	MG/KG	0.072	0.021 U	0.019 U	0.020 U	0.021 U
Nickel	MG/KG	11.3	7.5	7.1	7.8	8.7

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		MW-07	MW-07	MW-07	MW-07	MW-07
Sample ID		MW-7 (4-6')	MW-7 (6-8')	MW-7 (8-10')	MW-7 (10-12')	MW-7 (12-14')
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		4.0-6.0	6.0-8.0	8.0-10.0	10.0-12.0	12.0-14.0
Date Sampled		04/28/14	04/28/14	04/28/14	04/28/14	04/28/14
Parameter	**Units**					
Metals						
Potassium	MG/KG	996	615	740	1,160	1,520
Selenium	MG/KG	2.5	3.0	2.0	2.3	3.0
Silver	MG/KG	1.9	2.0	1.5	1.7	2.1
Sodium	MG/KG	221 J	246 J	366 J	628	866
Thallium	MG/KG	0.15 U	0.16 U	0.15 U	0.15 U	0.16 U
Vanadium	MG/KG	18.8	26.1	22.9	28.4	34.6
Zinc	MG/KG	51.8	33.9	33.2	44.2	52.7

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		MW-07	MW-07	MW-09	MW-09	MW-09
Sample ID		MW-7 (14-16')	MW-7 (DUP1)	MW-9 (0-2')	MW-9 (2-4')	MW-9 (4-6')
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		14.0-16.0	14.0-16.0	0.0-2.0	2.0-4.0	4.0-6.0
Date Sampled		04/28/14	04/28/14	04/29/14	04/29/14	04/29/14
Parameter	Units		Field Duplicate (1-1)			
Volatile Organic Compounds						
1,1,1-Trichloroethane	MG/KG	0.012 U	0.013 U	0.011 U	0.011 U	0.012 U
1,1,2,2-Tetrachloroethane	MG/KG	0.012 U	0.013 U	0.011 U	0.011 U	0.012 U
1,1,2-Trichloro-1,2,2-trifluoroethane	MG/KG	0.012 U	0.013 U	0.011 U	0.011 U	0.012 U
1,1,2-Trichloroethane	MG/KG	0.012 U	0.013 U	0.011 U	0.011 U	0.012 U
1,1-Dichloroethane	MG/KG	0.012 U	0.013 U	0.011 U	0.011 U	0.012 U
1,1-Dichloroethene	MG/KG	0.012 U	0.013 U	0.011 U	0.011 U	0.012 U
1,2,4-Trichlorobenzene	MG/KG	0.012 U	0.013 U	0.011 U	0.011 U	0.012 U
1,2-Dibromo-3-chloropropane	MG/KG	0.012 U	0.013 U	0.011 U	0.011 U	0.012 U
1,2-Dibromoethane (Ethylene dibromide)	MG/KG	0.012 U	0.013 U	0.011 U	0.011 U	0.012 U
1,2-Dichlorobenzene	MG/KG	0.012 U	0.013 U	0.011 U	0.011 U	0.012 U
1,2-Dichloroethane	MG/KG	0.012 U	0.013 U	0.011 U	0.011 U	0.012 U
1,2-Dichloroethene (cis)	MG/KG	0.012 U	0.013 U	0.011 U	0.011 U	0.012 U
1,2-Dichloroethene (trans)	MG/KG	0.012 U	0.013 U	0.011 U	0.011 U	0.012 U
1,2-Dichloropropane	MG/KG	0.012 U	0.013 U	0.011 U	0.011 U	0.012 U
1,3-Dichlorobenzene	MG/KG	0.012 U	0.013 U	0.011 U	0.011 U	0.012 U
1,3-Dichloropropene (cis)	MG/KG	0.012 U	0.013 U	0.011 U	0.011 U	0.012 U
1,3-Dichloropropene (trans)	MG/KG	0.012 U	0.013 U	0.011 U	0.011 U	0.012 U
1,4-Dichlorobenzene	MG/KG	0.012 U	0.013 U	0.011 U	0.011 U	0.012 U
2-Hexanone	MG/KG	0.012 UJ	0.013 UJ	0.011 UJ	0.011 UJ	0.012 UJ
4-Methyl-2-pentanone	MG/KG	0.012 UJ	0.013 UJ	0.011 UJ	0.011 UJ	0.012 UJ
Acetone	MG/KG	0.015 UJ	0.013 UJ	0.011 UJ	0.011 UJ	0.012 UJ
Benzene	MG/KG	0.012 U	0.013 U	0.011 U	0.011 U	0.012 U
Bromodichloromethane	MG/KG	0.012 U	0.013 U	0.011 U	0.011 U	0.012 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		MW-07	MW-07	MW-09	MW-09	MW-09
Sample ID		MW-7 (14-16')	MW-7 (DUP1)	MW-9 (0-2')	MW-9 (2-4')	MW-9 (4-6')
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		14.0-16.0	14.0-16.0	0.0-2.0	2.0-4.0	4.0-6.0
Date Sampled		04/28/14	04/28/14	04/29/14	04/29/14	04/29/14
Parameter	Units		Field Duplicate (1-1)			
Volatile Organic Compounds						
Bromoform	MG/KG	0.012 U	0.013 U	0.011 U	0.011 U	0.012 U
Bromomethane	MG/KG	0.012 U	0.013 U	0.011 U	0.011 U	0.012 U
Carbon disulfide	MG/KG	0.012 U	0.013 U	0.011 U	0.011 U	0.012 U
Carbon tetrachloride	MG/KG	0.012 U	0.013 U	0.011 U	0.011 U	0.012 U
Chlorobenzene	MG/KG	0.012 U	0.013 U	0.011 U	0.011 U	0.012 U
Chloroethane	MG/KG	0.012 U	0.013 U	0.011 U	0.011 U	0.012 U
Chloroform	MG/KG	0.012 U	0.013 U	0.011 U	0.011 U	0.012 U
Chloromethane	MG/KG	0.012 U	0.013 U	0.011 U	0.011 U	0.012 U
Cyclohexane	MG/KG	0.012 U	0.013 U	0.011 U	0.011 U	0.012 U
Dibromochloromethane	MG/KG	0.012 U	0.013 U	0.011 U	0.011 U	0.012 U
Dichlorodifluoromethane	MG/KG	0.012 UJ	0.013 UJ	0.011 UJ	0.011 UJ	0.012 UJ
Ethylbenzene	MG/KG	0.012 U	0.013 U	0.011 U	0.011 U	0.012 U
Isopropylbenzene (Cumene)	MG/KG	0.012 U	0.013 U	0.011 U	0.011 U	0.012 U
Methyl acetate	MG/KG	0.012 U	0.013 U	0.011 U	0.011 U	0.012 U
Methyl ethyl ketone (2-Butanone)	MG/KG	0.012 UJ	0.013 UJ	0.011 UJ	0.011 UJ	0.012 UJ
Methyl tert-butyl ether	MG/KG	0.012 U	0.013 U	0.011 U	0.011 U	0.012 U
Methylcyclohexane	MG/KG	0.012 UJ	0.013 UJ	0.011 UJ	0.011 UJ	0.012 UJ
Methylene chloride	MG/KG	0.012 U	0.013 U	0.011 U	0.011 U	0.012 U
Styrene	MG/KG	0.012 U	0.013 U	0.011 U	0.011 U	0.012 U
Tetrachloroethene	MG/KG	0.012 U	0.013 U	0.011 U	0.011 U	0.012 U
Toluene	MG/KG	0.012 U	0.013 U	0.011 U	0.011 U	0.012 U
Trichloroethene	MG/KG	0.012 U	0.013 U	0.011 U	0.011 U	0.012 U
Trichlorofluoromethane	MG/KG	0.012 U	0.013 U	0.011 U	0.011 U	0.012 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		MW-07	MW-07	MW-09	MW-09	MW-09
Sample ID		MW-7 (14-16')	MW-7 (DUP1)	MW-9 (0-2')	MW-9 (2-4')	MW-9 (4-6')
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		14.0-16.0	14.0-16.0	0.0-2.0	2.0-4.0	4.0-6.0
Date Sampled		04/28/14	04/28/14	04/29/14	04/29/14	04/29/14
Parameter	Units		Field Duplicate (1-1)			
Volatile Organic Compounds						
Vinyl chloride	MG/KG	0.012 U	0.013 U	0.011 U	0.011 U	0.012 U
Xylene (total)	MG/KG	0.012 U	0.013 U	0.011 U	0.011 U	0.012 U
Semivolatile Organic Compounds						
1,1-Biphenyl	MG/KG	0.41 U	0.44 U	0.35 U	0.37 U	0.39 U
2,2-oxybis(1-Chloropropane)	MG/KG	0.41 U	0.44 U	0.35 U	0.37 U	0.39 U
2,4,5-Trichlorophenol	MG/KG	1.0 U	1.1 U	0.89 U	0.93 U	0.99 U
2,4,6-Trichlorophenol	MG/KG	0.41 U	0.44 U	0.35 U	0.37 U	0.39 U
2,4-Dichlorophenol	MG/KG	0.41 U	0.44 U	0.35 U	0.37 U	0.39 U
2,4-Dimethylphenol	MG/KG	0.41 U	0.44 U	0.35 U	0.37 U	0.39 U
2,4-Dinitrophenol	MG/KG	1.0 UJ	1.1 UJ	0.89 UJ	0.93 UJ	0.99 UJ
2,4-Dinitrotoluene	MG/KG	0.41 U	0.44 U	0.35 U	0.37 U	0.39 U
2,6-Dinitrotoluene	MG/KG	0.41 U	0.44 U	0.35 U	0.37 U	0.39 U
2-Chloronaphthalene	MG/KG	0.41 U	0.44 U	0.35 U	0.37 U	0.39 U
2-Chlorophenol	MG/KG	0.41 U	0.44 U	0.35 U	0.37 U	0.39 U
2-Methylnaphthalene	MG/KG	0.41 U	0.44 U	0.35 U	0.37 U	0.39 U
2-Methylphenol (o-cresol)	MG/KG	0.25 U	0.27 U	0.21 U	0.22 U	0.24 U
2-Nitroaniline	MG/KG	1.0 UJ	1.1 UJ	0.89 U	0.93 U	0.99 U
2-Nitrophenol	MG/KG	0.41 U	0.44 U	0.35 U	0.37 U	0.39 U
3,3-Dichlorobenzidine	MG/KG	0.41 U	0.44 U	0.35 U	0.37 U	0.39 U
3-Nitroaniline	MG/KG	1.0 U	1.1 U	0.89 U	0.93 U	0.99 U
4,6-Dinitro-2-methylphenol	MG/KG	1.0 UJ	1.1 UJ	0.89 UJ	0.93 UJ	0.99 UJ
4-Bromophenyl-phenylether	MG/KG	0.41 U	0.44 U	0.35 U	0.37 U	0.39 U
4-Chloro-3-methylphenol	MG/KG	0.41 U	0.44 U	0.35 U	0.37 U	0.39 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		MW-07	MW-07	MW-09	MW-09	MW-09
Sample ID		MW-7 (14-16')	MW-7 (DUP1)	MW-9 (0-2')	MW-9 (2-4')	MW-9 (4-6')
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		14.0-16.0	14.0-16.0	0.0-2.0	2.0-4.0	4.0-6.0
Date Sampled		04/28/14	04/28/14	04/29/14	04/29/14	04/29/14
Parameter	Units		Field Duplicate (1-1)			
Semivolatile Organic Compounds						
4-Chloroaniline	MG/KG	0.41 U	0.44 U	0.35 U	0.37 U	0.39 U
4-Chlorophenyl-phenylether	MG/KG	0.41 U	0.44 U	0.35 U	0.37 U	0.39 U
4-Methylphenol (p-cresol)	MG/KG	0.25 U	0.27 U	0.21 U	0.22 U	0.24 U
4-Nitroaniline	MG/KG	1.0 U	1.1 U	0.89 U	0.93 U	0.99 U
4-Nitrophenol	MG/KG	1.0 UJ	1.1 UJ	0.89 U	0.93 U	0.99 U
Acenaphthene	MG/KG	0.41 U	0.44 U	0.35 U	0.37 U	0.39 U
Acenaphthylene	MG/KG	0.41 U	0.44 U	0.35 U	0.37 U	0.39 U
Acetophenone	MG/KG	0.41 U	0.44 U	0.35 U	0.37 U	0.39 U
Anthracene	MG/KG	0.41 U	0.44 U	0.35 U	0.37 U	0.39 U
Atrazine	MG/KG	0.41 U	0.44 U	0.35 U	0.37 U	0.39 U
Benzaldehyde	MG/KG	0.41 UJ	0.44 UJ	0.35 UJ	0.37 UJ	0.39 UJ
Benzo(a)anthracene	MG/KG	0.41 U	0.44 U	0.16 J	0.37 U	0.39 U
Benzo(a)pyrene	MG/KG	0.41 U	0.44 U	0.16 J	0.37 U	0.39 U
Benzo(b)fluoranthene	MG/KG	0.41 U	0.44 U	0.25 J	0.37 U	0.39 U
Benzo(g,h,i)perylene	MG/KG	0.41 UJ	0.44 UJ	0.083 J	0.37 U	0.39 U
Benzo(k)fluoranthene	MG/KG	0.41 U	0.44 U	0.35 U	0.37 U	0.39 U
bis(2-Chloroethoxy)methane	MG/KG	0.41 U	0.44 U	0.35 U	0.37 U	0.39 U
bis(2-Chloroethyl)ether	MG/KG	0.41 U	0.44 U	0.35 U	0.37 U	0.39 U
bis(2-Ethylhexyl)phthalate	MG/KG	0.41 UJ	0.44 UJ	0.35 U	0.37 U	0.39 U
Butylbenzylphthalate	MG/KG	0.41 U	0.44 U	0.35 U	0.37 U	0.39 U
Caprolactam	MG/KG	0.41 U	0.44 U	0.35 U	0.37 U	0.39 U
Carbazole	MG/KG	0.41 U	0.44 U	0.35 U	0.37 U	0.39 U
Chrysene	MG/KG	0.41 U	0.44 U	0.20 J	0.37 U	0.39 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		MW-07	MW-07	MW-09	MW-09	MW-09
Sample ID		MW-7 (14-16')	MW-7 (DUP1)	MW-9 (0-2')	MW-9 (2-4')	MW-9 (4-6')
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		14.0-16.0	14.0-16.0	0.0-2.0	2.0-4.0	4.0-6.0
Date Sampled		04/28/14	04/28/14	04/29/14	04/29/14	04/29/14
Parameter	Units		Field Duplicate (1-1)			
Semivolatile Organic Compounds						
Dibenz(a,h)anthracene	MG/KG	0.25 U	0.27 U	0.21 U	0.22 U	0.24 U
Dibenzofuran	MG/KG	0.41 U	0.44 U	0.35 U	0.37 U	0.39 U
Diethylphthalate	MG/KG	0.41 U	0.44 U	0.35 U	0.37 U	0.39 U
Dimethylphthalate	MG/KG	0.41 U	0.44 U	0.35 U	0.37 U	0.39 U
Di-n-butylphthalate	MG/KG	0.41 U	0.44 U	0.35 U	0.37 U	0.39 U
Di-n-octylphthalate	MG/KG	0.41 UJ	0.44 UJ	0.35 UJ	0.37 UJ	0.39 UJ
Fluoranthene	MG/KG	0.41 U	0.44 U	0.27 J	0.37 U	0.39 U
Fluorene	MG/KG	0.41 U	0.44 U	0.35 U	0.37 U	0.39 U
Hexachlorobenzene	MG/KG	0.41 U	0.44 U	0.35 U	0.37 U	0.39 U
Hexachlorobutadiene	MG/KG	0.41 U	0.44 U	0.35 U	0.37 U	0.39 U
Hexachlorocyclopentadiene	MG/KG	0.41 U	0.44 U	0.35 U	0.37 U	0.39 U
Hexachloroethane	MG/KG	0.41 U	0.44 U	0.35 U	0.37 U	0.39 U
Indeno(1,2,3-cd)pyrene	MG/KG	0.41 U	0.44 U	0.079 J	0.37 U	0.39 U
Isophorone	MG/KG	0.41 U	0.44 U	0.35 U	0.37 U	0.39 U
Naphthalene	MG/KG	0.41 U	0.44 U	0.35 U	0.37 U	0.39 U
Nitrobenzene	MG/KG	0.41 U	0.44 U	0.35 U	0.37 U	0.39 U
N-Nitroso-di-n-propylamine	MG/KG	0.41 U	0.44 U	0.35 U	0.37 U	0.39 U
N-Nitrosodiphenylamine	MG/KG	0.41 U	0.44 U	0.35 U	0.37 U	0.39 U
Pentachlorophenol	MG/KG	0.62 U	0.67 U	0.54 U	0.56 U	0.60 U
Phenanthrene	MG/KG	0.41 U	0.44 U	0.12 J	0.37 U	0.39 U
Phenol	MG/KG	0.25 U	0.27 U	0.21 U	0.22 U	0.24 U
Pyrene	MG/KG	0.41 U	0.44 U	0.25 J	0.074 J	0.39 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		MW-07	MW-07	MW-09	MW-09	MW-09
Sample ID		MW-7 (14-16')	MW-7 (DUP1)	MW-9 (0-2')	MW-9 (2-4')	MW-9 (4-6')
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		14.0-16.0	14.0-16.0	0.0-2.0	2.0-4.0	4.0-6.0
Date Sampled		04/28/14	04/28/14	04/29/14	04/29/14	04/29/14
Parameter	Units		Field Duplicate (1-1)			
Pesticide Organic Compounds						
4,4'-DDD	MG/KG	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
4,4'-DDE	MG/KG	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
4,4'-DDT	MG/KG	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Aldrin	MG/KG	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
alpha-BHC	MG/KG	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
alpha-Chlordane	MG/KG	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
beta-BHC	MG/KG	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
delta-BHC	MG/KG	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Dieldrin	MG/KG	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endosulfan I	MG/KG	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Endosulfan II	MG/KG	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endosulfan sulfate	MG/KG	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endrin	MG/KG	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endrin aldehyde	MG/KG	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endrin ketone	MG/KG	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
gamma-BHC (Lindane)	MG/KG	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
gamma-Chlordane	MG/KG	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Heptachlor	MG/KG	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Heptachlor epoxide	MG/KG	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Methoxychlor	MG/KG	0.021 U	0.023 U	0.018 U	0.019 U	0.020 U
Toxaphene	MG/KG	0.21 U	0.23 U	0.18 U	0.19 U	0.20 U
Herbicides						
2,4,5-T	MG/KG	0.0060 U	0.0070 U	0.0050 U	0.0060 U	0.0060 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		MW-07	MW-07	MW-09	MW-09	MW-09
Sample ID		MW-7 (14-16')	MW-7 (DUP1)	MW-9 (0-2')	MW-9 (2-4')	MW-9 (4-6')
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		14.0-16.0	14.0-16.0	0.0-2.0	2.0-4.0	4.0-6.0
Date Sampled		04/28/14	04/28/14	04/29/14	04/29/14	04/29/14
Parameter	Units		Field Duplicate (1-1)			
Herbicides						
2,4,5-TP (Silvex)	MG/KG	0.0046 J	0.0070 U	0.0050 U	0.0060 U	0.0060 U
2,4-D	MG/KG	0.012 U	0.013 U	0.011 U	0.011 U	0.012 U
2,4-DB	MG/KG	0.012 U	0.013 U	0.011 U	0.011 U	0.012 U
Dicamba	MG/KG	0.0040 U	0.0040 U	0.0030 U	0.0030 U	0.0040 U
Dinoseb	MG/KG	0.0050 U	0.0050 U	0.0040 U	0.0040 U	0.0050 U
Picrolam	MG/KG	0.012 U	0.013 U	0.011 U	0.011 U	0.012 U
Metals						
Aluminum	MG/KG	11,300 J	20,400 J	6,680	6,410	12,500
Antimony	MG/KG	0.23 U	0.25 U	0.24 J	0.36 J	0.35 J
Arsenic	MG/KG	2.7 J	5.9 J	3.2	2.6	5.5
Barium	MG/KG	61.7 J	125 J	23.5	35.3	71.6
Beryllium	MG/KG	0.62	1.1	0.14 J	0.20 J	0.54 J
Cadmium	MG/KG	0.014 U	0.015 U	0.012 U	0.013 U	0.014 U
Calcium	MG/KG	19,700	15,700	2,850	2,100	3,970
Chromium	MG/KG	19.7	32.5	6.7	7.6	16.7 J
Cobalt	MG/KG	10.3	17.6	4.1 U	4.8 U	10.2 J
Copper	MG/KG	14.2 J	27.9 J	8.7	11.7	28.6
Iron	MG/KG	22,500	35,000	9,740	11,300	21,300 J
Lead	MG/KG	6.5	10.4	28.4	42.5	58.8 J
Magnesium	MG/KG	7,180	9,850	1,730	1,690	3,220 J
Manganese	MG/KG	325	400	132	195	272 J
Mercury	MG/KG	0.020 U	0.021 U	0.046	0.10	0.070 J
Nickel	MG/KG	10.4 J	22.4 J	5.2	6.5	17.3

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		MW-07	MW-07	MW-09	MW-09	MW-09
Sample ID		MW-7 (14-16')	MW-7 (DUP1)	MW-9 (0-2')	MW-9 (2-4')	MW-9 (4-6')
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		14.0-16.0	14.0-16.0	0.0-2.0	2.0-4.0	4.0-6.0
Date Sampled		04/28/14	04/28/14	04/29/14	04/29/14	04/29/14
Parameter	**Units**		Field Duplicate (1-1)			
Metals						
Potassium	MG/KG	1,810 J	3,370 J	446 U	667	1,270 J
Selenium	MG/KG	3.6 J	6.4 J	1.7	1.9	4.1
Silver	MG/KG	2.2	3.6	1.0 U	1.1 U	2.2
Sodium	MG/KG	751	899	81.7 U	76.6 U	181 U
Thallium	MG/KG	0.16 U	0.17 U	0.14 U	0.15 U	0.16 U
Vanadium	MG/KG	37.1 J	80.0 J	12.5	14.0	30.3
Zinc	MG/KG	53.2 J	93.4 J	35.1	37.4	81.8

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		MW-09	MW-09	MW-09	MW-09	MW-09
Sample ID		MW-9 (6-8')	MW-9 (8-10')	MW-9 (10-12')	MW-9 (12-14')	MW-9 DUP1
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		6.0-8.0	8.0-10.0	10.0-12.0	12.0-14.0	12.0-14.0
Date Sampled		04/29/14	04/29/14	04/29/14	04/29/14	04/29/14
Parameter	Units					Field Duplicate (1-1)
Volatile Organic Compounds						
1,1,1-Trichloroethane	MG/KG	0.012 U	0.013 U	0.012 U	0.013 U	0.014 U
1,1,2,2-Tetrachloroethane	MG/KG	0.012 U	0.013 U	0.012 U	0.013 U	0.014 U
1,1,2-Trichloro-1,2,2-trifluoroethane	MG/KG	0.012 U	0.013 U	0.012 U	0.013 U	0.014 U
1,1,2-Trichloroethane	MG/KG	0.012 U	0.013 U	0.012 U	0.013 U	0.014 U
1,1-Dichloroethane	MG/KG	0.012 U	0.013 U	0.012 U	0.013 U	0.014 U
1,1-Dichloroethene	MG/KG	0.012 U	0.013 U	0.012 U	0.013 U	0.014 U
1,2,4-Trichlorobenzene	MG/KG	0.012 U	0.013 U	0.012 U	0.013 U	0.014 U
1,2-Dibromo-3-chloropropane	MG/KG	0.012 U	0.013 U	0.012 U	0.013 U	0.014 U
1,2-Dibromoethane (Ethylene dibromide)	MG/KG	0.012 U	0.013 U	0.012 U	0.013 U	0.014 U
1,2-Dichlorobenzene	MG/KG	0.012 U	0.013 U	0.012 U	0.013 U	0.014 U
1,2-Dichloroethane	MG/KG	0.012 U	0.013 U	0.012 UJ	0.013 UJ	0.014 UJ
1,2-Dichloroethene (cis)	MG/KG	0.012 U	0.013 U	0.012 U	0.013 U	0.014 U
1,2-Dichloroethene (trans)	MG/KG	0.012 U	0.013 U	0.012 U	0.013 U	0.014 U
1,2-Dichloropropane	MG/KG	0.012 U	0.013 U	0.012 U	0.013 U	0.014 U
1,3-Dichlorobenzene	MG/KG	0.012 U	0.013 U	0.012 U	0.013 U	0.014 U
1,3-Dichloropropene (cis)	MG/KG	0.012 U	0.013 U	0.012 U	0.013 U	0.014 U
1,3-Dichloropropene (trans)	MG/KG	0.012 U	0.013 U	0.012 U	0.013 U	0.014 U
1,4-Dichlorobenzene	MG/KG	0.012 U	0.013 U	0.012 U	0.013 U	0.014 U
2-Hexanone	MG/KG	0.012 UJ	0.013 UJ	0.012 UJ	0.013 UJ	0.014 UJ
4-Methyl-2-pentanone	MG/KG	0.012 UJ	0.013 UJ	0.012 UJ	0.013 UJ	0.014 UJ
Acetone	MG/KG	0.012 UJ	0.013 UJ	0.82 UJ	0.82 UJ	0.43 UJ
Benzene	MG/KG	0.012 U	0.013 U	0.012 U	0.013 U	0.014 U
Bromodichloromethane	MG/KG	0.012 U	0.013 U	0.012 U	0.013 U	0.014 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		MW-09	MW-09	MW-09	MW-09	MW-09
Sample ID		MW-9 (6-8')	MW-9 (8-10')	MW-9 (10-12')	MW-9 (12-14')	MW-9 DUP1
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		6.0-8.0	8.0-10.0	10.0-12.0	12.0-14.0	12.0-14.0
Date Sampled		04/29/14	04/29/14	04/29/14	04/29/14	04/29/14
Parameter	Units					Field Duplicate (1-1)
Volatile Organic Compounds						
Bromoform	MG/KG	0.012 U	0.013 U	0.012 U	0.013 U	0.014 U
Bromomethane	MG/KG	0.012 U	0.013 U	0.012 U	0.013 U	0.014 U
Carbon disulfide	MG/KG	0.012 U	0.013 U	0.012 U	0.013 U	0.014 U
Carbon tetrachloride	MG/KG	0.012 U	0.013 U	0.012 U	0.013 U	0.014 U
Chlorobenzene	MG/KG	0.012 U	0.013 U	0.012 U	0.013 U	0.014 U
Chloroethane	MG/KG	0.012 U	0.013 U	0.012 U	0.013 U	0.014 U
Chloroform	MG/KG	0.012 U	0.013 U	0.012 U	0.013 U	0.014 U
Chloromethane	MG/KG	0.012 U	0.013 U	0.012 U	0.013 U	0.014 U
Cyclohexane	MG/KG	0.012 U	0.013 U	0.012 U	0.013 U	0.014 U
Dibromochloromethane	MG/KG	0.012 U	0.013 U	0.012 U	0.013 U	0.014 U
Dichlorodifluoromethane	MG/KG	0.012 UJ	0.013 UJ	0.012 UJ	0.013 UJ	0.014 UJ
Ethylbenzene	MG/KG	0.012 U	0.013 U	0.012 U	0.013 U	0.014 U
Isopropylbenzene (Cumene)	MG/KG	0.012 U	0.013 U	0.012 U	0.013 U	0.014 U
Methyl acetate	MG/KG	0.012 U	0.013 U	0.012 UJ	0.013 UJ	0.014 UJ
Methyl ethyl ketone (2-Butanone)	MG/KG	0.012 UJ	0.013 UJ	0.093 J	0.021 J	0.018 J
Methyl tert-butyl ether	MG/KG	0.012 U	0.013 U	0.012 U	0.013 U	0.014 U
Methylcyclohexane	MG/KG	0.012 UJ	0.013 UJ	0.012 UJ	0.013 UJ	0.014 UJ
Methylene chloride	MG/KG	0.012 U	0.013 U	0.012 U	0.013 U	0.014 U
Styrene	MG/KG	0.012 U	0.013 U	0.012 U	0.013 U	0.014 U
Tetrachloroethene	MG/KG	0.012 U	0.013 U	0.012 U	0.013 U	0.014 U
Toluene	MG/KG	0.012 U	0.013 U	0.012 U	0.013 U	0.014 U
Trichloroethene	MG/KG	0.012 U	0.013 U	0.012 U	0.013 U	0.014 U
Trichlorofluoromethane	MG/KG	0.012 U	0.013 U	0.012 U	0.013 U	0.014 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		MW-09	MW-09	MW-09	MW-09	MW-09
Sample ID		MW-9 (6-8')	MW-9 (8-10')	MW-9 (10-12')	MW-9 (12-14')	MW-9 DUP1
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		6.0-8.0	8.0-10.0	10.0-12.0	12.0-14.0	12.0-14.0
Date Sampled		04/29/14	04/29/14	04/29/14	04/29/14	04/29/14
Parameter	Units					Field Duplicate (1-1)
Volatile Organic Compounds						
Vinyl chloride	MG/KG	0.012 U	0.013 U	0.012 U	0.013 U	0.014 U
Xylene (total)	MG/KG	0.012 U	0.013 U	0.012 U	0.013 U	0.014 U
Semivolatile Organic Compounds						
1,1-Biphenyl	MG/KG	0.40 U	0.43 U	0.41 U	0.42 U	0.45 U
2,2-oxybis(1-Chloropropane)	MG/KG	0.40 U	0.43 U	0.41 U	0.42 U	0.45 U
2,4,5-Trichlorophenol	MG/KG	1.0 U	1.1 U	1.0 U	1.1 U	1.1 U
2,4,6-Trichlorophenol	MG/KG	0.40 U	0.43 U	0.41 U	0.42 U	0.45 U
2,4-Dichlorophenol	MG/KG	0.40 U	0.43 U	0.41 U	0.42 U	0.45 U
2,4-Dimethylphenol	MG/KG	0.40 U	0.43 U	0.41 U	0.42 U	0.45 U
2,4-Dinitrophenol	MG/KG	1.0 UJ	1.1 U	1.0 U	1.1 U	1.1 U
2,4-Dinitrotoluene	MG/KG	0.40 U	0.43 U	0.41 U	0.42 U	0.45 U
2,6-Dinitrotoluene	MG/KG	0.40 U	0.43 U	0.41 U	0.42 U	0.45 U
2-Chloronaphthalene	MG/KG	0.40 U	0.43 U	0.41 U	0.42 U	0.45 U
2-Chlorophenol	MG/KG	0.40 U	0.43 U	0.41 U	0.42 U	0.45 U
2-Methylnaphthalene	MG/KG	0.40 U	0.43 U	0.41 U	0.42 U	0.45 U
2-Methylphenol (o-cresol)	MG/KG	0.24 U	0.26 U	0.25 U	0.26 U	0.27 U
2-Nitroaniline	MG/KG	1.0 U	1.1 U	1.0 U	1.1 U	1.1 U
2-Nitrophenol	MG/KG	0.40 U	0.43 U	0.41 U	0.42 U	0.45 U
3,3-Dichlorobenzidine	MG/KG	0.40 U	0.43 U	0.41 U	0.42 U	0.45 U
3-Nitroaniline	MG/KG	1.0 U	1.1 U	1.0 U	1.1 U	1.1 U
4,6-Dinitro-2-methylphenol	MG/KG	1.0 UJ	1.1 U	1.0 U	1.1 U	1.1 U
4-Bromophenyl-phenylether	MG/KG	0.40 U	0.43 U	0.41 U	0.42 U	0.45 U
4-Chloro-3-methylphenol	MG/KG	0.40 U	0.43 U	0.41 U	0.42 U	0.45 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		MW-09	MW-09	MW-09	MW-09	MW-09
Sample ID		MW-9 (6-8')	MW-9 (8-10')	MW-9 (10-12')	MW-9 (12-14')	MW-9 DUP1
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		6.0-8.0	8.0-10.0	10.0-12.0	12.0-14.0	12.0-14.0
Date Sampled		04/29/14	04/29/14	04/29/14	04/29/14	04/29/14
Parameter	Units					Field Duplicate (1-1)
Semivolatile Organic Compounds						
4-Chloroaniline	MG/KG	0.40 U	0.43 U	0.41 U	0.42 U	0.45 U
4-Chlorophenyl-phenylether	MG/KG	0.40 U	0.43 U	0.41 U	0.42 U	0.45 U
4-Methylphenol (p-cresol)	MG/KG	0.24 U	0.26 U	0.25 U	0.26 U	0.27 U
4-Nitroaniline	MG/KG	1.0 U	1.1 U	1.0 U	1.1 U	1.1 U
4-Nitrophenol	MG/KG	1.0 U	1.1 UJ	1.0 UJ	1.1 UJ	1.1 UJ
Acenaphthene	MG/KG	0.40 U	0.43 U	0.41 U	0.42 U	0.45 U
Acenaphthylene	MG/KG	0.40 U	0.43 U	0.41 U	0.42 U	0.45 U
Acetophenone	MG/KG	0.40 U	0.43 U	0.41 U	0.42 U	0.45 U
Anthracene	MG/KG	0.40 U	0.43 U	0.41 U	0.42 U	0.45 U
Atrazine	MG/KG	0.40 U	0.43 U	0.41 U	0.42 U	0.45 U
Benzaldehyde	MG/KG	0.40 UJ	0.43 UJ	0.41 UJ	0.21 J	0.45 UJ
Benzo(a)anthracene	MG/KG	0.40 U	0.12 J	0.20 J	0.21 J	0.45 U
Benzo(a)pyrene	MG/KG	0.40 U	0.11 J	0.19 J	0.20 J	0.45 U
Benzo(b)fluoranthene	MG/KG	0.40 U	0.43 U	0.24 J	0.21 J	0.45 U
Benzo(g,h,i)perylene	MG/KG	0.40 U	0.43 U	0.10 J	0.42 U	0.45 U
Benzo(k)fluoranthene	MG/KG	0.40 U	0.43 U	0.41 U	0.11 J	0.45 U
bis(2-Chloroethoxy)methane	MG/KG	0.40 U	0.43 U	0.41 U	0.42 U	0.45 U
bis(2-Chloroethyl)ether	MG/KG	0.40 U	0.43 U	0.41 U	0.42 U	0.45 U
bis(2-Ethylhexyl)phthalate	MG/KG	0.40 U	0.43 U	0.41 U	0.42 U	0.45 U
Butylbenzylphthalate	MG/KG	0.40 U	0.43 U	0.41 U	0.42 U	0.45 U
Caprolactam	MG/KG	0.40 U	0.43 U	0.41 U	0.42 U	0.45 U
Carbazole	MG/KG	0.40 U	0.43 U	0.41 U	0.42 U	0.45 U
Chrysene	MG/KG	0.40 U	0.15 J	0.21 J	0.21 J	0.45 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		MW-09	MW-09	MW-09	MW-09	MW-09
Sample ID		MW-9 (6-8')	MW-9 (8-10')	MW-9 (10-12')	MW-9 (12-14')	MW-9 DUP1
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		6.0-8.0	8.0-10.0	10.0-12.0	12.0-14.0	12.0-14.0
Date Sampled		04/29/14	04/29/14	04/29/14	04/29/14	04/29/14
Parameter	Units					Field Duplicate (1-1)
Semivolatile Organic Compounds						
Dibenz(a,h)anthracene	MG/KG	0.24 U	0.26 U	0.25 U	0.26 U	0.27 U
Dibenzofuran	MG/KG	0.40 U	0.43 U	0.41 U	0.42 U	0.45 U
Diethylphthalate	MG/KG	0.40 U	0.43 U	0.41 U	0.42 U	0.45 U
Dimethylphthalate	MG/KG	0.40 U	0.43 U	0.41 U	0.42 U	0.45 U
Di-n-butylphthalate	MG/KG	0.40 U	0.43 U	0.41 U	0.42 U	0.45 U
Di-n-octylphthalate	MG/KG	0.40 UJ	0.43 U	0.41 U	0.42 U	0.45 U
Fluoranthene	MG/KG	0.40 U	0.24 J	0.33 J	0.36 J	0.13 J
Fluorene	MG/KG	0.40 U	0.43 U	0.41 U	0.42 U	0.45 U
Hexachlorobenzene	MG/KG	0.40 U	0.43 U	0.41 U	0.42 U	0.45 U
Hexachlorobutadiene	MG/KG	0.40 U	0.43 U	0.41 U	0.42 U	0.45 U
Hexachlorocyclopentadiene	MG/KG	0.40 U	0.43 U	0.41 U	0.42 U	0.45 U
Hexachloroethane	MG/KG	0.40 U	0.43 U	0.41 U	0.42 U	0.45 U
Indeno(1,2,3-cd)pyrene	MG/KG	0.40 U	0.43 U	0.10 J	0.097 J	0.45 U
Isophorone	MG/KG	0.40 U	0.43 U	0.41 U	0.42 U	0.45 U
Naphthalene	MG/KG	0.40 U	0.43 U	0.41 U	0.42 U	0.45 U
Nitrobenzene	MG/KG	0.40 U	0.43 U	0.41 U	0.42 U	0.45 U
N-Nitroso-di-n-propylamine	MG/KG	0.40 U	0.43 U	0.41 U	0.42 U	0.45 U
N-Nitrosodiphenylamine	MG/KG	0.40 U	0.43 U	0.41 U	0.42 U	0.45 U
Pentachlorophenol	MG/KG	0.60 U	0.65 UJ	0.62 UJ	0.64 UJ	0.69 UJ
Phenanthrene	MG/KG	0.40 U	0.10 J	0.096 J	0.091 J	0.45 U
Phenol	MG/KG	0.24 U	0.26 U	0.25 U	0.26 U	0.27 U
Pyrene	MG/KG	0.40 U	0.27 J	0.33 J	0.35 J	0.13 J

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		MW-09	MW-09	MW-09	MW-09	MW-09
Sample ID		MW-9 (6-8')	MW-9 (8-10')	MW-9 (10-12')	MW-9 (12-14')	MW-9 DUP1
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		6.0-8.0	8.0-10.0	10.0-12.0	12.0-14.0	12.0-14.0
Date Sampled		04/29/14	04/29/14	04/29/14	04/29/14	04/29/14
Parameter	Units					Field Duplicate (1-1)
Pesticide Organic Compounds						
4,4'-DDD	MG/KG	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0050 U
4,4'-DDE	MG/KG	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0050 U
4,4'-DDT	MG/KG	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0050 U
Aldrin	MG/KG	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
alpha-BHC	MG/KG	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
alpha-Chlordane	MG/KG	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
beta-BHC	MG/KG	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
delta-BHC	MG/KG	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Dieldrin	MG/KG	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0050 U
Endosulfan I	MG/KG	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Endosulfan II	MG/KG	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0050 U
Endosulfan sulfate	MG/KG	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0050 U
Endrin	MG/KG	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0050 U
Endrin aldehyde	MG/KG	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0050 U
Endrin ketone	MG/KG	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0050 U
gamma-BHC (Lindane)	MG/KG	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
gamma-Chlordane	MG/KG	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Heptachlor	MG/KG	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Heptachlor epoxide	MG/KG	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Methoxychlor	MG/KG	0.020 U	0.022 U	0.021 U	0.022 U	0.023 U
Toxaphene	MG/KG	0.20 U	0.22 U	0.21 U	0.22 U	0.23 U
Herbicides						
2,4,5-T	MG/KG	0.0060 U	0.0060 U	0.0060 U	0.0060 U	0.0070 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		MW-09	MW-09	MW-09	MW-09	MW-09
Sample ID		MW-9 (6-8')	MW-9 (8-10')	MW-9 (10-12')	MW-9 (12-14')	MW-9 DUP1
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		6.0-8.0	8.0-10.0	10.0-12.0	12.0-14.0	12.0-14.0
Date Sampled		04/29/14	04/29/14	04/29/14	04/29/14	04/29/14
Parameter	Units					Field Duplicate (1-1)
Herbicides						
2,4,5-TP (Silvex)	MG/KG	0.0060 U	0.0079 J	0.0060 U	0.0060 U	0.0070 U
2,4-D	MG/KG	0.012 U	0.013 U	R	0.013 U	0.014 U
2,4-DB	MG/KG	0.012 U	R	0.015 NJ	0.018 J	0.014 U
Dicamba	MG/KG	0.0040 U	0.0040 U	0.0040 U	R	0.0040 U
Dinoseb	MG/KG	0.0050 U	0.0050 U	0.0050 U	R	0.0060 U
Picrolam	MG/KG	0.012 U	0.013 U	0.012 U	0.013 U	0.014 U
Metals						
Aluminum	MG/KG	8,370	7,170	7,570	8,600	5,380
Antimony	MG/KG	0.28 J	0.29 J	0.24 U	0.24 U	0.26 U
Arsenic	MG/KG	3.8	7.2	7.4	4.9	6.0
Barium	MG/KG	47.2	284	126	90.9	41.0
Beryllium	MG/KG	0.36 J	0.47 J	0.36 J	0.34 J	0.19 J
Cadmium	MG/KG	0.014 U	0.014 U	0.014 U	1.3	0.015 U
Calcium	MG/KG	3,350	15,500	9,450	5,600 J	9,830 J
Chromium	MG/KG	12.2	17.5	14.2	13.7	8.3
Cobalt	MG/KG	7.9	5.7 U	7.5	8.1	6.6 U
Copper	MG/KG	18.5	107	141	76.2 J	35.6 J
Iron	MG/KG	17,200	15,600	18,400	18,100	13,900
Lead	MG/KG	21.0	1,880	573	211	130
Magnesium	MG/KG	2,950	1,780	2,990	3,180	3,580
Manganese	MG/KG	201	129	215	206 J	114 J
Mercury	MG/KG	0.056	0.51	0.020 U	0.021 U	0.032 J
Nickel	MG/KG	13.4	17.0	13.8	13.0	8.6

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		MW-09	MW-09	MW-09	MW-09	MW-09
Sample ID		MW-9 (6-8')	MW-9 (8-10')	MW-9 (10-12')	MW-9 (12-14')	MW-9 DUP1
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		6.0-8.0	8.0-10.0	10.0-12.0	12.0-14.0	12.0-14.0
Date Sampled		04/29/14	04/29/14	04/29/14	04/29/14	04/29/14
Parameter	Units					Field Duplicate (1-1)
Metals						
Potassium	MG/KG	1,220	862	1,010	1,220	664 U
Selenium	MG/KG	3.1	5.4	4.8	3.8	2.8
Silver	MG/KG	1.8	1.7	2.2	2.0	1.5
Sodium	MG/KG	257 U	533 U	258 U	293 U	238 U
Thallium	MG/KG	0.16 U	0.16 U	0.16 U	0.16 U	0.17 U
Vanadium	MG/KG	22.7	19.7	20.5	23.5	16.9
Zinc	MG/KG	52.4	418	335	1,310 J	264 J

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		MW-09	MW-10	MW-10	MW-10	MW-10
Sample ID		MW-9 (14-16')	MW-10 (0-2')	MW-10 (2-4')	MW-10 (4-6')	MW-10 (6-8')
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		14.0-16.0	0.0-2.0	2.0-4.0	4.0-6.0	6.0-8.0
Date Sampled		04/29/14	04/29/14	04/29/14	04/29/14	04/29/14
Parameter	Units					
Volatile Organic Compounds						
1,1,1-Trichloroethane	MG/KG	0.012 U	0.012 U	0.011 U	0.012 U	0.012 U
1,1,2,2-Tetrachloroethane	MG/KG	0.012 U	0.012 U	0.011 U	0.012 U	0.012 U
1,1,2-Trichloro-1,2,2-trifluoroethane	MG/KG	0.012 U	0.012 U	0.011 U	0.012 U	0.012 U
1,1,2-Trichloroethane	MG/KG	0.012 U	0.012 U	0.011 U	0.012 U	0.012 U
1,1-Dichloroethane	MG/KG	0.012 U	0.012 U	0.011 U	0.012 U	0.012 U
1,1-Dichloroethene	MG/KG	0.012 U	0.012 U	0.011 U	0.012 U	0.012 U
1,2,4-Trichlorobenzene	MG/KG	0.012 U	0.012 U	0.011 U	0.012 U	0.012 U
1,2-Dibromo-3-chloropropane	MG/KG	0.012 U	0.012 U	0.011 U	0.012 U	0.012 U
1,2-Dibromoethane (Ethylene dibromide)	MG/KG	0.012 U	0.012 U	0.011 U	0.012 U	0.012 U
1,2-Dichlorobenzene	MG/KG	0.012 U	0.012 U	0.011 U	0.012 U	0.012 U
1,2-Dichloroethane	MG/KG	0.012 UJ	0.012 UJ	0.011 UJ	0.012 UJ	0.012 UJ
1,2-Dichloroethene (cis)	MG/KG	0.012 U	0.012 U	0.011 U	0.012 U	0.012 U
1,2-Dichloroethene (trans)	MG/KG	0.012 U	0.012 U	0.011 U	0.012 U	0.012 U
1,2-Dichloropropane	MG/KG	0.012 U	0.012 U	0.011 U	0.012 U	0.012 U
1,3-Dichlorobenzene	MG/KG	0.012 U	0.012 U	0.011 U	0.012 U	0.012 U
1,3-Dichloropropene (cis)	MG/KG	0.012 U	0.012 U	0.011 U	0.012 U	0.012 U
1,3-Dichloropropene (trans)	MG/KG	0.012 U	0.012 U	0.011 U	0.012 U	0.012 U
1,4-Dichlorobenzene	MG/KG	0.012 U	0.012 U	0.011 U	0.012 U	0.012 U
2-Hexanone	MG/KG	0.012 UJ	0.012 UJ	0.011 UJ	0.012 UJ	0.012 UJ
4-Methyl-2-pentanone	MG/KG	0.012 UJ	0.012 UJ	0.011 UJ	0.012 UJ	0.012 UJ
Acetone	MG/KG	0.020 UJ	0.22 DJ	0.078 J	0.012 UJ	0.020 UJ
Benzene	MG/KG	0.012 U	0.0040 J	0.0090 J	0.012 U	0.012 U
Bromodichloromethane	MG/KG	0.012 U	0.012 U	0.011 U	0.012 U	0.012 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		MW-09	MW-10	MW-10	MW-10	MW-10
Sample ID		MW-9 (14-16')	MW-10 (0-2')	MW-10 (2-4')	MW-10 (4-6')	MW-10 (6-8')
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		14.0-16.0	0.0-2.0	2.0-4.0	4.0-6.0	6.0-8.0
Date Sampled		04/29/14	04/29/14	04/29/14	04/29/14	04/29/14
Parameter	**Units**					
Volatile Organic Compounds						
Bromoform	MG/KG	0.012 U	0.012 U	0.011 U	0.012 U	0.012 U
Bromomethane	MG/KG	0.012 U	0.012 U	0.011 U	0.012 U	0.012 U
Carbon disulfide	MG/KG	0.012 U	0.0020 J	0.011 U	0.012 U	0.012 U
Carbon tetrachloride	MG/KG	0.012 U	0.012 U	0.011 U	0.012 U	0.012 U
Chlorobenzene	MG/KG	0.012 U	0.012 U	0.011 U	0.012 U	0.012 U
Chloroethane	MG/KG	0.012 U	0.012 U	0.011 U	0.012 U	0.012 U
Chloroform	MG/KG	0.012 U	0.012 U	0.011 U	0.012 U	0.012 U
Chloromethane	MG/KG	0.012 U	0.012 U	0.011 U	0.012 U	0.012 U
Cyclohexane	MG/KG	0.012 U	0.012 U	0.011 U	0.012 U	0.012 U
Dibromochloromethane	MG/KG	0.012 U	0.012 U	0.011 U	0.012 U	0.012 U
Dichlorodifluoromethane	MG/KG	0.012 UJ	0.012 UJ	0.011 UJ	0.012 UJ	0.012 UJ
Ethylbenzene	MG/KG	0.012 U	0.013	0.011 U	0.012 U	0.012 U
Isopropylbenzene (Cumene)	MG/KG	0.012 U	0.0070 J	0.011 U	0.012 U	0.012 U
Methyl acetate	MG/KG	0.012 UJ	0.0050 J	0.011 UJ	0.012 UJ	0.012 UJ
Methyl ethyl ketone (2-Butanone)	MG/KG	0.015 J	0.097 J	0.013 J	0.012 UJ	0.012 UJ
Methyl tert-butyl ether	MG/KG	0.012 U	0.012 U	0.011 U	0.012 U	0.012 U
Methylcyclohexane	MG/KG	0.012 UJ	0.012 UJ	0.011 UJ	0.012 UJ	0.012 UJ
Methylene chloride	MG/KG	0.012 U	0.012 U	0.011 U	0.012 U	0.012 U
Styrene	MG/KG	0.012 U	0.012 U	0.011 U	0.012 U	0.012 U
Tetrachloroethene	MG/KG	0.012 U	0.012 U	0.011 U	0.012 U	0.012 U
Toluene	MG/KG	0.012 U	0.0010 J	0.011 U	0.012 U	0.012 U
Trichloroethene	MG/KG	0.012 U	0.012 U	0.011 U	0.012 U	0.012 U
Trichlorofluoromethane	MG/KG	0.012 U	0.012 U	0.011 U	0.012 U	0.012 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		MW-09	MW-10	MW-10	MW-10	MW-10
Sample ID		MW-9 (14-16')	MW-10 (0-2')	MW-10 (2-4')	MW-10 (4-6')	MW-10 (6-8')
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		14.0-16.0	0.0-2.0	2.0-4.0	4.0-6.0	6.0-8.0
Date Sampled		04/29/14	04/29/14	04/29/14	04/29/14	04/29/14
Parameter	**Units**					
Volatile Organic Compounds						
Vinyl chloride	MG/KG	0.012 U	0.012 U	0.011 U	0.012 U	0.012 U
Xylene (total)	MG/KG	0.012 U	0.042	0.011 U	0.012 U	0.012 U
Semivolatile Organic Compounds						
1,1-Biphenyl	MG/KG	0.41 U	0.39 U	0.39 U	0.42 U	0.41 U
2,2-oxybis(1-Chloropropane)	MG/KG	0.41 U	0.39 U	0.39 U	0.42 U	0.41 U
2,4,5-Trichlorophenol	MG/KG	1.0 U	0.98 U	0.99 U	1.1 U	1.0 U
2,4,6-Trichlorophenol	MG/KG	0.41 U	0.39 U	0.39 U	0.42 U	0.41 U
2,4-Dichlorophenol	MG/KG	0.41 U	0.39 U	0.39 U	0.42 U	0.41 U
2,4-Dimethylphenol	MG/KG	0.41 U	0.39 U	0.39 U	0.42 U	0.41 U
2,4-Dinitrophenol	MG/KG	1.0 U	0.98 U	0.99 U	1.1 U	1.0 U
2,4-Dinitrotoluene	MG/KG	0.41 U	0.39 U	0.39 U	0.42 U	0.41 U
2,6-Dinitrotoluene	MG/KG	0.41 U	0.39 U	0.39 U	0.42 U	0.41 U
2-Chloronaphthalene	MG/KG	0.41 U	0.39 U	0.39 U	0.42 U	0.41 U
2-Chlorophenol	MG/KG	0.41 U	0.39 U	0.39 U	0.42 U	0.41 U
2-Methylnaphthalene	MG/KG	0.41 U	0.39 U	0.39 U	0.42 U	0.41 U
2-Methylphenol (o-cresol)	MG/KG	0.25 U	0.24 U	0.24 U	0.26 U	0.25 U
2-Nitroaniline	MG/KG	1.0 U	0.98 U	0.99 U	1.1 U	1.0 U
2-Nitrophenol	MG/KG	0.41 U	0.39 U	0.39 U	0.42 U	0.41 U
3,3-Dichlorobenzidine	MG/KG	0.41 U	0.39 U	0.39 U	0.42 U	0.41 U
3-Nitroaniline	MG/KG	1.0 U	0.98 U	0.99 U	1.1 U	1.0 U
4,6-Dinitro-2-methylphenol	MG/KG	1.0 U	0.98 U	0.99 U	1.1 U	1.0 U
4-Bromophenyl-phenylether	MG/KG	0.41 U	0.39 U	0.39 U	0.42 U	0.41 U
4-Chloro-3-methylphenol	MG/KG	0.41 U	0.39 U	0.39 U	0.42 U	0.41 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		MW-09	MW-10	MW-10	MW-10	MW-10
Sample ID		MW-9 (14-16')	MW-10 (0-2')	MW-10 (2-4')	MW-10 (4-6')	MW-10 (6-8')
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		14.0-16.0	0.0-2.0	2.0-4.0	4.0-6.0	6.0-8.0
Date Sampled		04/29/14	04/29/14	04/29/14	04/29/14	04/29/14
Parameter	**Units**					
Semivolatile Organic Compounds						
4-Chloroaniline	MG/KG	0.41 U	0.39 U	0.39 U	0.42 U	0.41 U
4-Chlorophenyl-phenylether	MG/KG	0.41 U	0.39 U	0.39 U	0.42 U	0.41 U
4-Methylphenol (p-cresol)	MG/KG	0.25 U	0.24 U	0.24 U	0.26 U	0.25 U
4-Nitroaniline	MG/KG	1.0 U	0.98 U	0.99 U	1.1 U	1.0 U
4-Nitrophenol	MG/KG	1.0 UJ	0.98 UJ	0.99 UJ	1.1 UJ	1.0 UJ
Acenaphthene	MG/KG	0.41 U	0.39 U	0.39 U	0.42 U	0.41 U
Acenaphthylene	MG/KG	0.41 U	0.39 U	0.39 U	0.42 U	0.41 U
Acetophenone	MG/KG	0.41 U	0.39 U	0.39 U	0.42 U	0.41 U
Anthracene	MG/KG	0.41 U	0.39 U	0.39 U	0.42 U	0.41 U
Atrazine	MG/KG	0.41 U	0.39 U	0.39 U	0.42 U	0.41 U
Benzaldehyde	MG/KG	0.41 UJ	0.39 UJ	0.39 UJ	0.42 UJ	0.41 UJ
Benzo(a)anthracene	MG/KG	0.41 U	0.10 J	0.39 U	0.42 U	0.41 U
Benzo(a)pyrene	MG/KG	0.41 U	0.093 J	0.39 U	0.42 U	0.41 U
Benzo(b)fluoranthene	MG/KG	0.41 U	0.17 J	0.39 U	0.42 U	0.41 U
Benzo(g,h,i)perylene	MG/KG	0.41 U	0.39 U	0.39 U	0.42 U	0.41 U
Benzo(k)fluoranthene	MG/KG	0.41 U	0.39 U	0.39 U	0.42 U	0.41 U
bis(2-Chloroethoxy)methane	MG/KG	0.41 U	0.39 U	0.39 U	0.42 U	0.41 U
bis(2-Chloroethyl)ether	MG/KG	0.41 U	0.39 U	0.39 U	0.42 U	0.41 U
bis(2-Ethylhexyl)phthalate	MG/KG	0.41 U	0.69 U	0.39 U	0.42 U	0.41 U
Butylbenzylphthalate	MG/KG	0.41 U	0.39 U	0.39 U	0.42 U	0.41 U
Caprolactam	MG/KG	0.41 U	0.39 U	0.39 U	0.42 U	0.41 U
Carbazole	MG/KG	0.41 U	0.39 U	0.39 U	0.42 U	0.41 U
Chrysene	MG/KG	0.41 U	0.15 J	0.39 U	0.42 U	0.41 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		MW-09	MW-10	MW-10	MW-10	MW-10
Sample ID		MW-9 (14-16')	MW-10 (0-2')	MW-10 (2-4')	MW-10 (4-6')	MW-10 (6-8')
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		14.0-16.0	0.0-2.0	2.0-4.0	4.0-6.0	6.0-8.0
Date Sampled		04/29/14	04/29/14	04/29/14	04/29/14	04/29/14
Parameter	**Units**					
Semivolatile Organic Compounds						
Dibenz(a,h)anthracene	MG/KG	0.25 U	0.24 U	0.24 U	0.26 U	0.25 U
Dibenzofuran	MG/KG	0.41 U	0.39 U	0.39 U	0.42 U	0.41 U
Diethylphthalate	MG/KG	0.41 U	0.39 U	0.39 U	0.42 U	0.41 U
Dimethylphthalate	MG/KG	0.41 U	0.39 U	0.39 U	0.42 U	0.41 U
Di-n-butylphthalate	MG/KG	0.41 U	0.39 U	0.39 U	0.42 U	0.41 U
Di-n-octylphthalate	MG/KG	0.41 U	0.39 U	0.39 U	0.42 U	0.41 U
Fluoranthene	MG/KG	0.41 U	0.26 J	0.39 U	0.42 U	0.41 U
Fluorene	MG/KG	0.41 U	0.39 U	0.39 U	0.42 U	0.41 U
Hexachlorobenzene	MG/KG	0.41 U	0.39 U	0.39 U	0.42 U	0.41 U
Hexachlorobutadiene	MG/KG	0.41 U	0.39 U	0.39 U	0.42 U	0.41 U
Hexachlorocyclopentadiene	MG/KG	0.41 U	0.39 U	0.39 U	0.42 U	0.41 U
Hexachloroethane	MG/KG	0.41 U	0.39 U	0.39 U	0.42 U	0.41 U
Indeno(1,2,3-cd)pyrene	MG/KG	0.41 U	0.39 U	0.39 U	0.42 U	0.41 U
Isophorone	MG/KG	0.41 U	0.39 U	0.39 U	0.42 U	0.41 U
Naphthalene	MG/KG	0.41 U	0.30 J	0.39 U	0.42 U	0.41 U
Nitrobenzene	MG/KG	0.41 U	0.39 U	0.39 U	0.42 U	0.41 U
N-Nitroso-di-n-propylamine	MG/KG	0.41 U	0.39 U	0.39 U	0.42 U	0.41 U
N-Nitrosodiphenylamine	MG/KG	0.41 U	0.39 U	0.39 U	0.42 U	0.41 U
Pentachlorophenol	MG/KG	0.63 UJ	0.59 UJ	0.59 UJ	0.64 UJ	0.62 UJ
Phenanthrene	MG/KG	0.41 U	0.19 J	0.39 U	0.42 U	0.41 U
Phenol	MG/KG	0.25 U	0.24 U	0.24 U	0.26 U	0.25 U
Pyrene	MG/KG	0.41 U	0.26 J	0.39 U	0.42 U	0.41 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		MW-09	MW-10	MW-10	MW-10	MW-10
Sample ID		MW-9 (14-16')	MW-10 (0-2')	MW-10 (2-4')	MW-10 (4-6')	MW-10 (6-8')
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		14.0-16.0	0.0-2.0	2.0-4.0	4.0-6.0	6.0-8.0
Date Sampled		04/29/14	04/29/14	04/29/14	04/29/14	04/29/14
Parameter	**Units**					
Pesticide Organic Compounds						
4,4'-DDD	MG/KG	0.0040 U	0.0049	0.0040 U	0.0040 U	0.0040 U
4,4'-DDE	MG/KG	0.0040 U	0.0091	0.0040 U	0.0040 U	0.0040 U
4,4'-DDT	MG/KG	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Aldrin	MG/KG	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
alpha-BHC	MG/KG	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
alpha-Chlordane	MG/KG	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
beta-BHC	MG/KG	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
delta-BHC	MG/KG	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Dieldrin	MG/KG	0.0040 U	0.028	0.0040 U	0.0040 U	0.0040 U
Endosulfan I	MG/KG	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Endosulfan II	MG/KG	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endosulfan sulfate	MG/KG	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endrin	MG/KG	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endrin aldehyde	MG/KG	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Endrin ketone	MG/KG	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
gamma-BHC (Lindane)	MG/KG	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
gamma-Chlordane	MG/KG	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Heptachlor	MG/KG	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Heptachlor epoxide	MG/KG	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Methoxychlor	MG/KG	0.021 U	0.020 U	0.020 U	0.022 U	0.021 U
Toxaphene	MG/KG	0.21 U	0.20 U	0.20 U	0.22 U	0.21 U
Herbicides						
2,4,5-T	MG/KG	0.0060 U	0.0060 U	0.0060 U	0.0060 U	0.0060 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		MW-09	MW-10	MW-10	MW-10	MW-10
Sample ID		MW-9 (14-16')	MW-10 (0-2')	MW-10 (2-4')	MW-10 (4-6')	MW-10 (6-8')
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		14.0-16.0	0.0-2.0	2.0-4.0	4.0-6.0	6.0-8.0
Date Sampled		04/29/14	04/29/14	04/29/14	04/29/14	04/29/14
Parameter	**Units**					
Herbicides						
2,4,5-TP (Silvex)	MG/KG	0.0054 J	0.0060 U	0.0060 U	0.0060 U	0.0060 U
2,4-D	MG/KG	0.013 U	0.012 U	0.012 U	0.013 U	0.012 U
2,4-DB	MG/KG	0.013 U	0.012 U	0.012 U	0.013 U	0.012 U
Dicamba	MG/KG	0.0040 U	0.0040 U	0.0040 U	0.0040 U	0.0040 U
Dinoseb	MG/KG	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U
Picrolam	MG/KG	0.013 U	0.012 U	0.012 U	0.013 U	0.012 U
Metals						
Aluminum	MG/KG	12,200	8,720	14,400	13,900	9,320
Antimony	MG/KG	0.45 J	0.73 J	0.23 U	0.28 J	0.33 J
Arsenic	MG/KG	2.0	6.0	3.5	3.2	2.2
Barium	MG/KG	76.9	189	73.7	69.5	64.6
Beryllium	MG/KG	0.22 J	0.33 J	0.47 J	0.31 J	0.27 J
Cadmium	MG/KG	0.015 U	0.014 U	0.13 U	0.14 U	0.14 U
Calcium	MG/KG	5,580	6,110	3,980	5,240	7,230
Chromium	MG/KG	15.8	17.7	22.3	15.9	13.3
Cobalt	MG/KG	12.7	7.1	12.5	15.1	12.9
Copper	MG/KG	17.5	64.0	12.0	16.4	19.0
Iron	MG/KG	26,100	18,400	28,400	26,100	25,400
Lead	MG/KG	10.0	678	19.2	6.5	8.8
Magnesium	MG/KG	4,440	3,490	4,430	3,700	4,640
Manganese	MG/KG	219	437	1,250	204	330
Mercury	MG/KG	0.022 U	0.047	0.041	0.039 J	0.022 J
Nickel	MG/KG	11.9	10.3	10.7	14.4	20.1

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		MW-09	MW-10	MW-10	MW-10	MW-10
Sample ID		MW-9 (14-16')	MW-10 (0-2')	MW-10 (2-4')	MW-10 (4-6')	MW-10 (6-8')
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft)		14.0-16.0	0.0-2.0	2.0-4.0	4.0-6.0	6.0-8.0
Date Sampled		04/29/14	04/29/14	04/29/14	04/29/14	04/29/14
Parameter	**Units**					
Metals						
Potassium	MG/KG	1,990	1,090	2,250	2,220	1,820
Selenium	MG/KG	4.7	4.1	4.6	4.6	4.3
Silver	MG/KG	2.5	2.3	3.2	2.4	2.5
Sodium	MG/KG	737	186 U	260 U	706	434 U
Thallium	MG/KG	1.7 U	0.16 U	0.79 U	1.6 U	0.16 U
Vanadium	MG/KG	40.4	23.3	38.8	44.2	31.5
Zinc	MG/KG	64.6	298	73.6	70.4	56.5

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		MW-10	MW-10
Sample ID		MW-10 (8-10')	MW-10 DUP1
Matrix		Soil	Soil
Depth Interval (ft)		8.0-10.0	8.0-10.0
Date Sampled		04/29/14	04/29/14
Parameter	Units		Field Duplicate (1-1)
Volatile Organic Compounds			
1,1,1-Trichloroethane	MG/KG	0.011 U	0.011 U
1,1,2,2-Tetrachloroethane	MG/KG	0.011 U	0.011 U
1,1,2-Trichloro-1,2,2-trifluoroethane	MG/KG	0.011 U	0.011 U
1,1,2-Trichloroethane	MG/KG	0.011 U	0.011 U
1,1-Dichloroethane	MG/KG	0.011 U	0.011 U
1,1-Dichloroethene	MG/KG	0.011 U	0.011 U
1,2,4-Trichlorobenzene	MG/KG	0.011 U	0.011 U
1,2-Dibromo-3-chloropropane	MG/KG	0.011 U	0.011 U
1,2-Dibromoethane (Ethylene dibromide)	MG/KG	0.011 U	0.011 U
1,2-Dichlorobenzene	MG/KG	0.011 U	0.011 U
1,2-Dichloroethane	MG/KG	0.011 U	0.011 U
1,2-Dichloroethene (cis)	MG/KG	0.011 U	0.011 U
1,2-Dichloroethene (trans)	MG/KG	0.011 U	0.011 U
1,2-Dichloropropane	MG/KG	0.011 U	0.011 U
1,3-Dichlorobenzene	MG/KG	0.011 UJ	0.011 U
1,3-Dichloropropene (cis)	MG/KG	0.011 U	0.011 U
1,3-Dichloropropene (trans)	MG/KG	0.011 U	0.011 U
1,4-Dichlorobenzene	MG/KG	0.011 U	0.011 U
2-Hexanone	MG/KG	0.011 UJ	0.011 UJ
4-Methyl-2-pentanone	MG/KG	0.011 UJ	0.011 UJ
Acetone	MG/KG	0.047 J	0.028 UJ
Benzene	MG/KG	0.011 U	0.011 U
Bromodichloromethane	MG/KG	0.011 U	0.011 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		MW-10	MW-10
Sample ID		MW-10 (8-10')	MW-10 DUP1
Matrix		Soil	Soil
Depth Interval (ft)		8.0-10.0	8.0-10.0
Date Sampled		04/29/14	04/29/14
Parameter	Units		Field Duplicate (1-1)
Volatile Organic Compounds			
Bromoform	MG/KG	0.011 U	0.011 U
Bromomethane	MG/KG	0.011 U	0.011 U
Carbon disulfide	MG/KG	0.011 U	0.011 U
Carbon tetrachloride	MG/KG	0.011 U	0.011 U
Chlorobenzene	MG/KG	0.011 UJ	0.011 U
Chloroethane	MG/KG	0.011 U	0.011 U
Chloroform	MG/KG	0.011 U	0.011 U
Chloromethane	MG/KG	0.011 U	0.011 U
Cyclohexane	MG/KG	0.011 U	0.011 U
Dibromochloromethane	MG/KG	0.011 U	0.011 U
Dichlorodifluoromethane	MG/KG	0.011 UJ	0.011 UJ
Ethylbenzene	MG/KG	0.011 UJ	0.011 U
Isopropylbenzene (Cumene)	MG/KG	0.011 U	0.011 U
Methyl acetate	MG/KG	0.011 UJ	0.011 UJ
Methyl ethyl ketone (2-Butanone)	MG/KG	0.011 UJ	0.011 UJ
Methyl tert-butyl ether	MG/KG	0.011 U	0.011 U
Methylcyclohexane	MG/KG	0.011 UJ	0.011 UJ
Methylene chloride	MG/KG	0.011 U	0.011 U
Styrene	MG/KG	0.011 UJ	0.011 U
Tetrachloroethene	MG/KG	0.011 UJ	0.011 U
Toluene	MG/KG	0.0010 J	0.011 U
Trichloroethene	MG/KG	0.011 U	0.011 U
Trichlorofluoromethane	MG/KG	0.011 U	0.011 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		MW-10	MW-10
Sample ID		MW-10 (8-10')	MW-10 DUP1
Matrix		Soil	Soil
Depth Interval (ft)		8.0-10.0	8.0-10.0
Date Sampled		04/29/14	04/29/14
Parameter	Units		Field Duplicate (1-1)
Volatile Organic Compounds			
Vinyl chloride	MG/KG	0.011 U	0.011 U
Xylene (total)	MG/KG	0.0020 J	0.011 U
Semivolatile Organic Compounds			
1,1-Biphenyl	MG/KG	0.36 U	0.36 U
2,2-oxybis(1-Chloropropane)	MG/KG	0.36 U	0.36 U
2,4,5-Trichlorophenol	MG/KG	0.91 U	0.90 U
2,4,6-Trichlorophenol	MG/KG	0.36 U	0.36 U
2,4-Dichlorophenol	MG/KG	0.36 U	0.36 U
2,4-Dimethylphenol	MG/KG	0.36 U	0.36 U
2,4-Dinitrophenol	MG/KG	0.91 U	0.90 U
2,4-Dinitrotoluene	MG/KG	0.36 U	0.36 U
2,6-Dinitrotoluene	MG/KG	0.36 U	0.36 U
2-Chloronaphthalene	MG/KG	0.36 U	0.36 U
2-Chlorophenol	MG/KG	0.36 U	0.36 U
2-Methylnaphthalene	MG/KG	0.36 U	0.36 U
2-Methylphenol (o-cresol)	MG/KG	0.22 U	0.22 U
2-Nitroaniline	MG/KG	0.91 U	0.90 U
2-Nitrophenol	MG/KG	0.36 U	0.36 U
3,3-Dichlorobenzidine	MG/KG	0.36 U	0.36 U
3-Nitroaniline	MG/KG	0.91 U	0.90 U
4,6-Dinitro-2-methylphenol	MG/KG	0.91 U	0.90 U
4-Bromophenyl-phenylether	MG/KG	0.36 U	0.36 U
4-Chloro-3-methylphenol	MG/KG	0.36 U	0.36 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		MW-10	MW-10
Sample ID		MW-10 (8-10')	MW-10 DUP1
Matrix		Soil	Soil
Depth Interval (ft)		8.0-10.0	8.0-10.0
Date Sampled		04/29/14	04/29/14
Parameter	Units		Field Duplicate (1-1)
Semivolatile Organic Compounds			
4-Chloroaniline	MG/KG	0.36 U	0.36 U
4-Chlorophenyl-phenylether	MG/KG	0.36 U	0.36 U
4-Methylphenol (p-cresol)	MG/KG	0.22 U	0.22 U
4-Nitroaniline	MG/KG	0.91 U	0.90 U
4-Nitrophenol	MG/KG	0.91 UJ	0.90 UJ
Acenaphthene	MG/KG	0.36 U	0.36 U
Acenaphthylene	MG/KG	0.36 U	0.36 U
Acetophenone	MG/KG	0.36 U	0.36 U
Anthracene	MG/KG	0.36 U	0.36 U
Atrazine	MG/KG	0.36 U	0.36 U
Benzaldehyde	MG/KG	0.36 UJ	0.36 UJ
Benzo(a)anthracene	MG/KG	0.36 U	0.36 U
Benzo(a)pyrene	MG/KG	0.36 U	0.36 U
Benzo(b)fluoranthene	MG/KG	0.36 U	0.36 U
Benzo(g,h,i)perylene	MG/KG	0.36 U	0.36 U
Benzo(k)fluoranthene	MG/KG	0.36 U	0.36 U
bis(2-Chloroethoxy)methane	MG/KG	0.36 U	0.36 U
bis(2-Chloroethyl)ether	MG/KG	0.36 U	0.36 U
bis(2-Ethylhexyl)phthalate	MG/KG	0.36 U	0.36 U
Butylbenzylphthalate	MG/KG	0.36 U	0.36 U
Caprolactam	MG/KG	0.36 U	0.36 U
Carbazole	MG/KG	0.36 U	0.36 U
Chrysene	MG/KG	0.36 U	0.36 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		MW-10	MW-10
Sample ID		MW-10 (8-10')	MW-10 DUP1
Matrix		Soil	Soil
Depth Interval (ft)		8.0-10.0	8.0-10.0
Date Sampled		04/29/14	04/29/14
Parameter	Units		Field Duplicate (1-1)
Semivolatile Organic Compounds			
Dibenz(a,h)anthracene	MG/KG	0.22 U	0.22 U
Dibenzofuran	MG/KG	0.36 U	0.36 U
Diethylphthalate	MG/KG	0.36 U	0.36 U
Dimethylphthalate	MG/KG	0.36 U	0.36 U
Di-n-butylphthalate	MG/KG	0.36 U	0.36 U
Di-n-octylphthalate	MG/KG	0.36 U	0.36 U
Fluoranthene	MG/KG	0.36 U	0.36 U
Fluorene	MG/KG	0.36 U	0.36 U
Hexachlorobenzene	MG/KG	0.36 U	0.36 U
Hexachlorobutadiene	MG/KG	0.36 U	0.36 U
Hexachlorocyclopentadiene	MG/KG	0.36 U	0.36 U
Hexachloroethane	MG/KG	0.36 U	0.36 U
Indeno(1,2,3-cd)pyrene	MG/KG	0.36 U	0.36 U
Isophorone	MG/KG	0.36 U	0.36 U
Naphthalene	MG/KG	0.36 U	0.36 U
Nitrobenzene	MG/KG	0.36 U	0.36 U
N-Nitroso-di-n-propylamine	MG/KG	0.36 U	0.36 U
N-Nitrosodiphenylamine	MG/KG	0.36 U	0.36 U
Pentachlorophenol	MG/KG	0.55 UJ	0.54 UJ
Phenanthrene	MG/KG	0.36 U	0.36 U
Phenol	MG/KG	0.22 U	0.22 U
Pyrene	MG/KG	0.36 U	0.36 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		MW-10	MW-10
Sample ID		MW-10 (8-10')	MW-10 DUP1
Matrix		Soil	Soil
Depth Interval (ft)		8.0-10.0	8.0-10.0
Date Sampled		04/29/14	04/29/14
Parameter	Units		Field Duplicate (1-1)
Pesticide Organic Compounds			
4,4'-DDD	MG/KG	0.0040 U	0.0040 U
4,4'-DDE	MG/KG	0.0040 U	0.0040 U
4,4'-DDT	MG/KG	0.0040 U	0.0040 U
Aldrin	MG/KG	0.0020 U	0.0020 U
alpha-BHC	MG/KG	0.0020 U	0.0020 U
alpha-Chlordane	MG/KG	0.0020 U	0.0020 U
beta-BHC	MG/KG	0.0020 U	0.0020 U
delta-BHC	MG/KG	0.0020 U	0.0020 U
Dieldrin	MG/KG	0.0040 U	0.0040 U
Endosulfan I	MG/KG	0.0020 U	0.0020 U
Endosulfan II	MG/KG	0.0040 U	0.0040 U
Endosulfan sulfate	MG/KG	0.0040 U	0.0040 U
Endrin	MG/KG	0.0040 U	0.0040 U
Endrin aldehyde	MG/KG	0.0040 U	0.0040 U
Endrin ketone	MG/KG	0.0040 U	0.0040 U
gamma-BHC (Lindane)	MG/KG	0.0020 U	0.0020 U
gamma-Chlordane	MG/KG	0.0020 U	0.0020 U
Heptachlor	MG/KG	0.0020 U	0.0020 U
Heptachlor epoxide	MG/KG	0.0020 U	0.0020 U
Methoxychlor	MG/KG	0.019 U	0.018 U
Toxaphene	MG/KG	0.19 U	0.18 U
Herbicides			
2,4,5-T	MG/KG	0.0050 U	0.0050 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		MW-10	MW-10
Sample ID		MW-10 (8-10')	MW-10 DUP1
Matrix		Soil	Soil
Depth Interval (ft)		8.0-10.0	8.0-10.0
Date Sampled		04/29/14	04/29/14
Parameter	**Units**		Field Duplicate (1-1)
Herbicides			
2,4,5-TP (Silvex)	MG/KG	0.0050 U	0.0050 U
2,4-D	MG/KG	0.011 U	0.011 U
2,4-DB	MG/KG	0.0083 NJ	0.011 U
Dicamba	MG/KG	0.0030 U	0.0030 U
Dinoseb	MG/KG	0.0040 U	0.0040 U
Picrolam	MG/KG	0.011 U	0.011 U
Metals			
Aluminum	MG/KG	6,530	6,240
Antimony	MG/KG	0.27 J	0.28 J
Arsenic	MG/KG	1.8	2.3
Barium	MG/KG	46.6	45.1
Beryllium	MG/KG	0.22 J	0.30 J
Cadmium	MG/KG	0.013 U	0.012 U
Calcium	MG/KG	33,500 J	56,400 J
Chromium	MG/KG	10.7	12.1
Cobalt	MG/KG	8.6	8.6
Copper	MG/KG	21.6	20.5
Iron	MG/KG	17,900	18,400
Lead	MG/KG	72.8 J	11.2 J
Magnesium	MG/KG	7,810	7,470
Manganese	MG/KG	363	394
Mercury	MG/KG	0.041	0.018 U
Nickel	MG/KG	15.3	15.6

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 2
VALIDATED SOIL SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		MW-10	MW-10
Sample ID		MW-10 (8-10')	MW-10 DUP1
Matrix		Soil	Soil
Depth Interval (ft)		8.0-10.0	8.0-10.0
Date Sampled		04/29/14	04/29/14
Parameter	**Units**		Field Duplicate (1-1)
Metals			
Potassium	MG/KG	1,120	1,170
Selenium	MG/KG	3.0	3.2
Silver	MG/KG	1.9	1.9
Sodium	MG/KG	177 U	175 U
Thallium	MG/KG	0.15 U	0.14 U
Vanadium	MG/KG	18.0	16.7
Zinc	MG/KG	79.0	52.5

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value. J+ The result is an estimated quantity, but may be biased high.
NJ - Analyte has been "tentatively identified" and the associated value represents its approximate concentration.
UJ - Not detected. The reported quantitation limit is an estimated value. R - The data is rejected.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 3
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		MW-01	MW-02	MW-03	MW-04	MW-04
Sample ID		MW-01	MW-02	MW-03	20140507-FD-2	MW-04
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		05/06/14	05/07/14	05/07/14	05/07/14	05/07/14
Parameter	Units				Field Duplicate (1-1)	
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethene	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2,4-Trichlorobenzene	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dibromo-3-chloropropane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane (Ethylene dibromide)	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	UG/L	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
1,2-Dichloroethane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethene (cis)	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethene (trans)	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloropropane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	UG/L	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
1,3-Dichloropropene (cis)	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichloropropene (trans)	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	UG/L	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
2-Hexanone	UG/L	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ
4-Methyl-2-pentanone	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzene	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value.
UJ - Not detected. The reported quantitation limit is an estimated value.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 3
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		MW-01	MW-02	MW-03	MW-04	MW-04
Sample ID		MW-01	MW-02	MW-03	20140507-FD-2	MW-04
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		05/06/14	05/07/14	05/07/14	05/07/14	05/07/14
Parameter	Units				Field Duplicate (1-1)	
Volatile Organic Compounds						
Bromoform	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane	UG/L	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ
Carbon disulfide	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon tetrachloride	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroethane	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Cyclohexane	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichlorodifluoromethane	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Isopropylbenzene (Cumene)	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methyl acetate	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methyl ethyl ketone (2-Butanone)	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methyl tert-butyl ether	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylcyclohexane	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Toluene	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichlorofluoromethane	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value.
UJ - Not detected. The reported quantitation limit is an estimated value.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 3
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		MW-01	MW-02	MW-03	MW-04	MW-04
Sample ID		MW-01	MW-02	MW-03	20140507-FD-2	MW-04
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		05/06/14	05/07/14	05/07/14	05/07/14	05/07/14
Parameter	Units				Field Duplicate (1-1)	
Volatile Organic Compounds						
Vinyl chloride	UG/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Xylene (total)	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Semivolatile Organic Compounds						
1,1-Biphenyl	UG/L	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ
2,2-oxybis(1-Chloropropane)	UG/L	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ
2,4,5-Trichlorophenol	UG/L	25 U	25 U	25 U	25 U	25 U
2,4,6-Trichlorophenol	UG/L	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	UG/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2,4-Dimethylphenol	UG/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2,4-Dinitrophenol	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dinitrotoluene	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,6-Dinitrotoluene	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Chloronaphthalene	UG/L	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	UG/L	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	UG/L	10 U	10 U	10 U	10 U	10 U
2-Methylphenol (o-cresol)	UG/L	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Nitrophenol	UG/L	10 U	10 U	10 U	10 U	10 U
3,3-Dichlorobenzidine	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
3-Nitroaniline	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4,6-Dinitro-2-methylphenol	UG/L	25 U	25 U	25 U	25 U	25 U
4-Bromophenyl-phenylether	UG/L	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	UG/L	10 U	10 U	10 U	10 U	10 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value.
UJ - Not detected. The reported quantitation limit is an estimated value.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 3
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		MW-01	MW-02	MW-03	MW-04	MW-04
Sample ID		MW-01	MW-02	MW-03	20140507-FD-2	MW-04
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		05/06/14	05/07/14	05/07/14	05/07/14	05/07/14
Parameter	Units				Field Duplicate (1-1)	
Semivolatile Organic Compounds						
4-Chloroaniline	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Chlorophenyl-phenylether	UG/L	10 U	10 U	10 U	10 U	10 U
4-Methylphenol (p-cresol)	UG/L	10 U	10 U	10 U	10 U	10 U
4-Nitroaniline	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Nitrophenol	UG/L	25 U	25 U	25 U	25 U	25 U
Acenaphthene	UG/L	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	UG/L	10 U	10 U	10 U	10 U	10 U
Acetophenone	UG/L	10 U	10 U	10 U	10 U	10 U
Anthracene	UG/L	10 U	10 U	10 U	10 U	10 U
Atrazine	UG/L	8.0 U	3.0 J	8.0 U	8.0 U	8.0 U
Benzaldehyde	UG/L	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	UG/L	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	UG/L	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	UG/L	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	UG/L	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	UG/L	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
bis(2-Chloroethyl)ether	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
bis(2-Ethylhexyl)phthalate	UG/L	5.0 U	5.0 U	5.0 U	2.0 J	5.0 U
Butylbenzylphthalate	UG/L	10 U	10 U	10 U	10 U	10 U
Caprolactam	UG/L	10 U	10 U	10 U	10 U	10 U
Carbazole	UG/L	10 U	10 U	10 U	10 U	10 U
Chrysene	UG/L	10 U	10 U	10 U	10 U	10 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value.
UJ - Not detected. The reported quantitation limit is an estimated value.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 3
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		MW-01	MW-02	MW-03	MW-04	MW-04
Sample ID		MW-01	MW-02	MW-03	20140507-FD-2	MW-04
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		05/06/14	05/07/14	05/07/14	05/07/14	05/07/14
Parameter	Units				Field Duplicate (1-1)	
Semivolatile Organic Compounds						
Dibenz(a,h)anthracene	UG/L	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	UG/L	10 U	10 U	10 U	10 U	10 U
Diethylphthalate	UG/L	10 U	10 U	10 U	10 U	10 U
Dimethylphthalate	UG/L	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	UG/L	10 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate	UG/L	10 U	10 U	10 U	10 U	10 U
Fluoranthene	UG/L	10 U	10 U	10 U	10 U	10 U
Fluorene	UG/L	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	UG/L	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	UG/L	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Hexachloroethane	UG/L	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ
Indeno(1,2,3-cd)pyrene	UG/L	10 U	10 U	10 U	10 U	10 U
Isophorone	UG/L	10 U	10 U	10 U	10 U	10 U
Naphthalene	UG/L	1.0 J	10 U	10 U	10 U	10 U
Nitrobenzene	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
N-Nitroso-di-n-propylamine	UG/L	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	UG/L	10 U	10 U	10 U	10 U	10 U
Pentachlorophenol	UG/L	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ
Phenanthrene	UG/L	10 U	10 U	10 U	10 U	10 U
Phenol	UG/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Pyrene	UG/L	10 U	10 U	10 U	10 U	10 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value.
UJ - Not detected. The reported quantitation limit is an estimated value.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 3
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		MW-01	MW-02	MW-03	MW-04	MW-04
Sample ID		MW-01	MW-02	MW-03	20140507-FD-2	MW-04
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		05/06/14	05/07/14	05/07/14	05/07/14	05/07/14
Parameter	Units				Field Duplicate (1-1)	
Pesticide Organic Compounds						
4,4'-DDD	UG/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
4,4'-DDE	UG/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
4,4'-DDT	UG/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Aldrin	UG/L	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
alpha-BHC	UG/L	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
alpha-Chlordane	UG/L	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
beta-BHC	UG/L	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
delta-BHC	UG/L	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Dieldrin	UG/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Endosulfan I	UG/L	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Endosulfan II	UG/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Endosulfan sulfate	UG/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Endrin	UG/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Endrin aldehyde	UG/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Endrin ketone	UG/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
gamma-BHC (Lindane)	UG/L	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
gamma-Chlordane	UG/L	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Heptachlor	UG/L	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Heptachlor epoxide	UG/L	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Methoxychlor	UG/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Toxaphene	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Herbicides						
2,4,5-T	UG/L	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value.
UJ - Not detected. The reported quantitation limit is an estimated value.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 3
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		MW-01	MW-02	MW-03	MW-04	MW-04
Sample ID		MW-01	MW-02	MW-03	20140507-FD-2	MW-04
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		05/06/14	05/07/14	05/07/14	05/07/14	05/07/14
Parameter	Units				Field Duplicate (1-1)	
Herbicides						
2,4,5-TP (Silvex)	UG/L	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U
2,4-D	UG/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DB	UG/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Dicamba	UG/L	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Dinoseb	UG/L	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Picrolam	UG/L	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U
Metals						
Aluminum	UG/L	53.1 J	62.3 J	11.6 J	55.5 J	73.6 J
Antimony	UG/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Arsenic	UG/L	1.1 U	1.1 U	4.5 U	1.5 U	1.1 U
Barium	UG/L	65.9 J	54.7 J	27.0 J	51.6 J	51.5 J
Beryllium	UG/L	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
Cadmium	UG/L	0.60 J	0.11 U	0.30 J	0.11 U	0.11 U
Calcium	UG/L	119,000	39,600	112,000	74,400	74,600
Chromium	UG/L	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Cobalt	UG/L	0.90 U	1.0 U	1.0 U	0.19 U	0.19 U
Copper	UG/L	0.80 J	2.0 J	4.8 J	2.7 J	2.6 J
Iron	UG/L	141	772	2,780	46.7 J	47.2 J
Lead	UG/L	6.1	4.7 J	7.4	2.7 J	3.8 J
Magnesium	UG/L	25,700	8,160	14,100	13,600	13,600
Manganese	UG/L	3,220	363	178	154 J	150 J
Mercury	UG/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Nickel	UG/L	2.1 J	2.1 J	4.3 J	0.34 U	0.50 J

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value.
UJ - Not detected. The reported quantitation limit is an estimated value.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 3
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		MW-01	MW-02	MW-03	MW-04	MW-04
Sample ID		MW-01	MW-02	MW-03	20140507-FD-2	MW-04
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		05/06/14	05/07/14	05/07/14	05/07/14	05/07/14
Parameter	Units				Field Duplicate (1-1)	
Metals						
Potassium	UG/L	3,330 J	1,490 J	4,860 J	5,550 J	5,670 J
Selenium	UG/L	1.1 U	1.1 U	1.1 U	1.1 UJ	1.1 U
Silver	UG/L	0.43 U	0.43 U	0.43 U	0.43 UJ	0.43 UJ
Sodium	UG/L	332,000	20,600	123,000	399,000	397,000
Thallium	UG/L	6.2 U	1.3 U	1.6 U	1.3 U	1.8 U
Vanadium	UG/L	0.39 U	0.70 J	0.40 J	1.0 J	0.90 J
Zinc	UG/L	18.3 J	22.5	527	14.5 J	12.7 J

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value.
UJ - Not detected. The reported quantitation limit is an estimated value.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 3
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		MW-05	MW-06	MW-07	MW-08	MW-09
Sample ID		MW-05	MW-06	MW-07	MW-08	MW-09
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		05/06/14	05/06/14	05/07/14	05/07/14	05/07/14
Parameter	Units					
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethene	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2,4-Trichlorobenzene	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dibromo-3-chloropropane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane (Ethylene dibromide)	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	UG/L	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
1,2-Dichloroethane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethene (cis)	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethene (trans)	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloropropane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	UG/L	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
1,3-Dichloropropene (cis)	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichloropropene (trans)	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	UG/L	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
2-Hexanone	UG/L	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ
4-Methyl-2-pentanone	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzene	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value.
UJ - Not detected. The reported quantitation limit is an estimated value.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 3
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		MW-05	MW-06	MW-07	MW-08	MW-09
Sample ID		MW-05	MW-06	MW-07	MW-08	MW-09
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		05/06/14	05/06/14	05/07/14	05/07/14	05/07/14
Parameter	Units					
Volatile Organic Compounds						
Bromoform	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane	UG/L	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ
Carbon disulfide	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon tetrachloride	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroethane	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Cyclohexane	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichlorodifluoromethane	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Isopropylbenzene (Cumene)	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methyl acetate	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methyl ethyl ketone (2-Butanone)	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methyl tert-butyl ether	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylcyclohexane	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Toluene	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichlorofluoromethane	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value.
UJ - Not detected. The reported quantitation limit is an estimated value.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 3
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		MW-05	MW-06	MW-07	MW-08	MW-09
Sample ID		MW-05	MW-06	MW-07	MW-08	MW-09
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		05/06/14	05/06/14	05/07/14	05/07/14	05/07/14
Parameter	**Units**					
Volatile Organic Compounds						
Vinyl chloride	UG/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Xylene (total)	UG/L	5.0 U	5.0 U	5.0 U	4.0 J	5.0 U
Semivolatile Organic Compounds						
1,1-Biphenyl	UG/L	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ
2,2-oxybis(1-Chloropropane)	UG/L	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ
2,4,5-Trichlorophenol	UG/L	25 U	25 U	25 U	25 U	25 U
2,4,6-Trichlorophenol	UG/L	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	UG/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2,4-Dimethylphenol	UG/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2,4-Dinitrophenol	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dinitrotoluene	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,6-Dinitrotoluene	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Chloronaphthalene	UG/L	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	UG/L	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	UG/L	10 U	10 U	10 U	10 U	10 U
2-Methylphenol (o-cresol)	UG/L	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Nitrophenol	UG/L	10 U	10 U	10 U	10 U	10 U
3,3-Dichlorobenzidine	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
3-Nitroaniline	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4,6-Dinitro-2-methylphenol	UG/L	25 U	25 U	25 U	25 U	25 U
4-Bromophenyl-phenylether	UG/L	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	UG/L	10 U	10 U	10 U	10 U	10 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value.
UJ - Not detected. The reported quantitation limit is an estimated value.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 3
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		MW-05	MW-06	MW-07	MW-08	MW-09
Sample ID		MW-05	MW-06	MW-07	MW-08	MW-09
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		05/06/14	05/06/14	05/07/14	05/07/14	05/07/14
Parameter	Units					
Semivolatile Organic Compounds						
4-Chloroaniline	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Chlorophenyl-phenylether	UG/L	10 U	10 U	10 U	10 U	10 U
4-Methylphenol (p-cresol)	UG/L	10 U	10 U	10 U	10 U	10 U
4-Nitroaniline	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Nitrophenol	UG/L	25 U	25 U	25 U	25 U	25 U
Acenaphthene	UG/L	10 U	10 U	10 U	1.0 J	10 U
Acenaphthylene	UG/L	10 U	10 U	10 U	10 U	10 U
Acetophenone	UG/L	10 U	10 U	10 U	10 U	10 U
Anthracene	UG/L	10 U	10 U	10 U	10 U	10 U
Atrazine	UG/L	8.0 U	8.0 U	8.0 U	2.0 J	8.0 U
Benzaldehyde	UG/L	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	UG/L	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	UG/L	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	UG/L	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	UG/L	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	UG/L	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
bis(2-Chloroethyl)ether	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
bis(2-Ethylhexyl)phthalate	UG/L	3.0 J	5.0 U	2.0 J	5.0 U	5.0 U
Butylbenzylphthalate	UG/L	10 U	10 U	10 U	10 U	10 U
Caprolactam	UG/L	10 U	10 U	10 U	10 U	10 U
Carbazole	UG/L	10 U	10 U	10 U	10 U	10 U
Chrysene	UG/L	10 U	10 U	10 U	10 U	10 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value.
UJ - Not detected. The reported quantitation limit is an estimated value.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 3
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		MW-05	MW-06	MW-07	MW-08	MW-09
Sample ID		MW-05	MW-06	MW-07	MW-08	MW-09
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		05/06/14	05/06/14	05/07/14	05/07/14	05/07/14
Parameter	**Units**					
Semivolatile Organic Compounds						
Dibenz(a,h)anthracene	UG/L	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	UG/L	10 U	10 U	10 U	10 U	10 U
Diethylphthalate	UG/L	10 U	10 U	10 U	10 U	10 U
Dimethylphthalate	UG/L	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	UG/L	1.0 J	10 U	10 U	10 U	10 U
Di-n-octylphthalate	UG/L	1.0 J	10 U	10 U	10 U	10 U
Fluoranthene	UG/L	10 U	10 U	10 U	10 U	10 U
Fluorene	UG/L	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	UG/L	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	UG/L	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Hexachloroethane	UG/L	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ
Indeno(1,2,3-cd)pyrene	UG/L	10 U	10 U	10 U	10 U	10 U
Isophorone	UG/L	10 U	10 U	10 U	10 U	10 U
Naphthalene	UG/L	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
N-Nitroso-di-n-propylamine	UG/L	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	UG/L	10 U	10 U	10 U	10 U	10 U
Pentachlorophenol	UG/L	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ
Phenanthrene	UG/L	10 U	10 U	10 U	10 U	10 U
Phenol	UG/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Pyrene	UG/L	10 U	10 U	10 U	10 U	10 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value.
UJ - Not detected. The reported quantitation limit is an estimated value.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 3
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		MW-05	MW-06	MW-07	MW-08	MW-09
Sample ID		MW-05	MW-06	MW-07	MW-08	MW-09
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		05/06/14	05/06/14	05/07/14	05/07/14	05/07/14
Parameter	**Units**					
Pesticide Organic Compounds						
4,4'-DDD	UG/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
4,4'-DDE	UG/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
4,4'-DDT	UG/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Aldrin	UG/L	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
alpha-BHC	UG/L	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
alpha-Chlordane	UG/L	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
beta-BHC	UG/L	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
delta-BHC	UG/L	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Dieldrin	UG/L	0.10 U	0.10 U	0.10 U	0.15	0.10 U
Endosulfan I	UG/L	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Endosulfan II	UG/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Endosulfan sulfate	UG/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Endrin	UG/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Endrin aldehyde	UG/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Endrin ketone	UG/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
gamma-BHC (Lindane)	UG/L	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
gamma-Chlordane	UG/L	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Heptachlor	UG/L	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Heptachlor epoxide	UG/L	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Methoxychlor	UG/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Toxaphene	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Herbicides						
2,4,5-T	UG/L	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value.
UJ - Not detected. The reported quantitation limit is an estimated value.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 3
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		MW-05	MW-06	MW-07	MW-08	MW-09
Sample ID		MW-05	MW-06	MW-07	MW-08	MW-09
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		05/06/14	05/06/14	05/07/14	05/07/14	05/07/14
Parameter	**Units**					
Herbicides						
2,4,5-TP (Silvex)	UG/L	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U
2,4-D	UG/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,4-DB	UG/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Dicamba	UG/L	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Dinoseb	UG/L	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Picrolam	UG/L	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U
Metals						
Aluminum	UG/L	69.1 J	551	99.2 J	16.9 J	112 J
Antimony	UG/L	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Arsenic	UG/L	1.1 U	1.1 U	1.1 U	7.0 U	2.1 U
Barium	UG/L	265	109 J	38.8 J	3.8 J	54.3 J
Beryllium	UG/L	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
Cadmium	UG/L	0.30 J	0.20 J	0.11 U	1.0 J	0.40 J
Calcium	UG/L	133,000	104,000	76,000	90,600	102,000
Chromium	UG/L	1.1 U	1.1 U	3.1 J	2.4 J	1.1 U
Cobalt	UG/L	0.50 U	1.0 U	0.30 U	0.40 U	1.7 U
Copper	UG/L	1.9 J	1.3 J	1.8 J	28.8	2.7 J
Iron	UG/L	776	1,030	102	9,550	3,210
Lead	UG/L	5.8	7.1	5.1	12.9	10.2
Magnesium	UG/L	33,100	18,000	22,600	13,900	17,800
Manganese	UG/L	170	164	361	487	176
Mercury	UG/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Nickel	UG/L	3.4 J	3.9 J	1.2 J	1.1 J	8.6 J

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value.
UJ - Not detected. The reported quantitation limit is an estimated value.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 3
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		MW-05	MW-06	MW-07	MW-08	MW-09
Sample ID		MW-05	MW-06	MW-07	MW-08	MW-09
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		05/06/14	05/06/14	05/07/14	05/07/14	05/07/14
Parameter	**Units**					
Metals						
Potassium	UG/L	16,300	8,750	1,800 J	6,100	4,830 J
Selenium	UG/L	1.1 U	1.1 U	1.1 U	1.1 U	1.8 U
Silver	UG/L	0.43 U	0.43 U	0.43 U	0.68 J	0.43 U
Sodium	UG/L	398,000	52,100	169,000	108,000	237,000
Thallium	UG/L	1.6 U	1.3 U	1.3 U	1.3 U	1.3 U
Vanadium	UG/L	0.40 J	2.0 J	0.70 J	0.80 J	0.80 J
Zinc	UG/L	14.0 J	17.8 J	11.4 J	75.0	243

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value.
UJ - Not detected. The reported quantitation limit is an estimated value.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 3
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		MW-10
Sample ID		MW-10
Matrix		Groundwater
Depth Interval (ft)		-
Date Sampled		05/07/14
Parameter	**Units**	
Volatile Organic Compounds		
1,1,1-Trichloroethane	UG/L	5.0 U
1,1,2,2-Tetrachloroethane	UG/L	5.0 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	5.0 U
1,1,2-Trichloroethane	UG/L	1.0 U
1,1-Dichloroethane	UG/L	5.0 U
1,1-Dichloroethene	UG/L	5.0 U
1,2,4-Trichlorobenzene	UG/L	5.0 U
1,2-Dibromo-3-chloropropane	UG/L	1.0 U
1,2-Dibromoethane (Ethylene dibromide)	UG/L	1.0 U
1,2-Dichlorobenzene	UG/L	3.0 U
1,2-Dichloroethane	UG/L	1.0 U
1,2-Dichloroethene (cis)	UG/L	5.0 U
1,2-Dichloroethene (trans)	UG/L	5.0 U
1,2-Dichloropropane	UG/L	1.0 U
1,3-Dichlorobenzene	UG/L	3.0 U
1,3-Dichloropropene (cis)	UG/L	1.0 U
1,3-Dichloropropene (trans)	UG/L	1.0 U
1,4-Dichlorobenzene	UG/L	3.0 U
2-Hexanone	UG/L	5.0 UJ
4-Methyl-2-pentanone	UG/L	5.0 U
Acetone	UG/L	8.0
Benzene	UG/L	1.0 U
Bromodichloromethane	UG/L	5.0 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value.
UJ - Not detected. The reported quantitation limit is an estimated value.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 3
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		MW-10
Sample ID		MW-10
Matrix		Groundwater
Depth Interval (ft)		-
Date Sampled		05/07/14
Parameter	**Units**	
Volatile Organic Compounds		
Bromoform	UG/L	5.0 U
Bromomethane	UG/L	5.0 UJ
Carbon disulfide	UG/L	5.0 U
Carbon tetrachloride	UG/L	5.0 U
Chlorobenzene	UG/L	5.0 U
Chloroethane	UG/L	5.0 U
Chloroform	UG/L	5.0 U
Chloromethane	UG/L	5.0 U
Cyclohexane	UG/L	5.0 U
Dibromochloromethane	UG/L	5.0 U
Dichlorodifluoromethane	UG/L	5.0 U
Ethylbenzene	UG/L	5.0 U
Isopropylbenzene (Cumene)	UG/L	5.0 U
Methyl acetate	UG/L	5.0 U
Methyl ethyl ketone (2-Butanone)	UG/L	5.0 U
Methyl tert-butyl ether	UG/L	5.0 U
Methylcyclohexane	UG/L	5.0 U
Methylene chloride	UG/L	5.0 U
Styrene	UG/L	5.0 U
Tetrachloroethene	UG/L	5.0 U
Toluene	UG/L	5.0 U
Trichloroethene	UG/L	5.0 U
Trichlorofluoromethane	UG/L	5.0 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value.
UJ - Not detected. The reported quantitation limit is an estimated value.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 3
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		MW-10
Sample ID		MW-10
Matrix		Groundwater
Depth Interval (ft)		-
Date Sampled		05/07/14
Parameter	**Units**	
Volatile Organic Compounds		
Vinyl chloride	UG/L	2.0 U
Xylene (total)	UG/L	5.0 U
Semivolatile Organic Compounds		
1,1-Biphenyl	UG/L	5.0 UJ
2,2-oxybis(1-Chloropropane)	UG/L	5.0 UJ
2,4,5-Trichlorophenol	UG/L	25 U
2,4,6-Trichlorophenol	UG/L	10 U
2,4-Dichlorophenol	UG/L	2.0 U
2,4-Dimethylphenol	UG/L	2.0 U
2,4-Dinitrophenol	UG/L	5.0 U
2,4-Dinitrotoluene	UG/L	5.0 U
2,6-Dinitrotoluene	UG/L	5.0 U
2-Chloronaphthalene	UG/L	10 U
2-Chlorophenol	UG/L	10 U
2-Methylnaphthalene	UG/L	10 U
2-Methylphenol (o-cresol)	UG/L	10 U
2-Nitroaniline	UG/L	5.0 U
2-Nitrophenol	UG/L	10 U
3,3-Dichlorobenzidine	UG/L	5.0 U
3-Nitroaniline	UG/L	5.0 U
4,6-Dinitro-2-methylphenol	UG/L	25 U
4-Bromophenyl-phenylether	UG/L	10 U
4-Chloro-3-methylphenol	UG/L	10 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value.
UJ - Not detected. The reported quantitation limit is an estimated value.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 3
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		MW-10
Sample ID		MW-10
Matrix		Groundwater
Depth Interval (ft)		-
Date Sampled		05/07/14
Parameter	**Units**	
Semivolatile Organic Compounds		
4-Chloroaniline	UG/L	5.0 U
4-Chlorophenyl-phenylether	UG/L	10 U
4-Methylphenol (p-cresol)	UG/L	10 U
4-Nitroaniline	UG/L	5.0 U
4-Nitrophenol	UG/L	25 U
Acenaphthene	UG/L	10 U
Acenaphthylene	UG/L	10 U
Acetophenone	UG/L	10 U
Anthracene	UG/L	10 U
Atrazine	UG/L	8.0 U
Benzaldehyde	UG/L	10 U
Benzo(a)anthracene	UG/L	10 U
Benzo(a)pyrene	UG/L	10 U
Benzo(b)fluoranthene	UG/L	10 U
Benzo(g,h,i)perylene	UG/L	10 U
Benzo(k)fluoranthene	UG/L	10 U
bis(2-Chloroethoxy)methane	UG/L	5.0 U
bis(2-Chloroethyl)ether	UG/L	1.0 U
bis(2-Ethylhexyl)phthalate	UG/L	5.0 U
Butylbenzylphthalate	UG/L	10 U
Caprolactam	UG/L	10 U
Carbazole	UG/L	10 U
Chrysene	UG/L	10 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value.
UJ - Not detected. The reported quantitation limit is an estimated value.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 3
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		MW-10
Sample ID		MW-10
Matrix		Groundwater
Depth Interval (ft)		-
Date Sampled		05/07/14
Parameter	**Units**	
Semivolatile Organic Compounds		
Dibenz(a,h)anthracene	UG/L	10 U
Dibenzofuran	UG/L	10 U
Diethylphthalate	UG/L	10 U
Dimethylphthalate	UG/L	10 U
Di-n-butylphthalate	UG/L	10 U
Di-n-octylphthalate	UG/L	10 U
Fluoranthene	UG/L	10 U
Fluorene	UG/L	10 U
Hexachlorobenzene	UG/L	10 U
Hexachlorobutadiene	UG/L	10 U
Hexachlorocyclopentadiene	UG/L	5.0 U
Hexachloroethane	UG/L	5.0 UJ
Indeno(1,2,3-cd)pyrene	UG/L	10 U
Isophorone	UG/L	10 U
Naphthalene	UG/L	10 U
Nitrobenzene	UG/L	1.0 U
N-Nitroso-di-n-propylamine	UG/L	10 U
N-Nitrosodiphenylamine	UG/L	10 U
Pentachlorophenol	UG/L	5.0 UJ
Phenanthrene	UG/L	10 U
Phenol	UG/L	2.0 U
Pyrene	UG/L	10 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value.
UJ - Not detected. The reported quantitation limit is an estimated value.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 3
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		MW-10
Sample ID		MW-10
Matrix		Groundwater
Depth Interval (ft)		-
Date Sampled		05/07/14
Parameter	**Units**	
Pesticide Organic Compounds		
4,4'-DDD	UG/L	0.10 U
4,4'-DDE	UG/L	0.10 U
4,4'-DDT	UG/L	0.10 U
Aldrin	UG/L	0.050 U
alpha-BHC	UG/L	0.050 U
alpha-Chlordane	UG/L	0.050 U
beta-BHC	UG/L	0.050 U
delta-BHC	UG/L	0.050 U
Dieldrin	UG/L	0.10 U
Endosulfan I	UG/L	0.050 U
Endosulfan II	UG/L	0.10 U
Endosulfan sulfate	UG/L	0.10 U
Endrin	UG/L	0.10 U
Endrin aldehyde	UG/L	0.10 U
Endrin ketone	UG/L	0.10 U
gamma-BHC (Lindane)	UG/L	0.050 U
gamma-Chlordane	UG/L	0.050 U
Heptachlor	UG/L	0.050 U
Heptachlor epoxide	UG/L	0.050 U
Methoxychlor	UG/L	0.50 U
Toxaphene	UG/L	5.0 U
Herbicides		
2,4,5-T	UG/L	0.30 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value.
UJ - Not detected. The reported quantitation limit is an estimated value.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 3
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		MW-10
Sample ID		MW-10
Matrix		Groundwater
Depth Interval (ft)		-
Date Sampled		05/07/14
Parameter	**Units**	
Herbicides		
2,4,5-TP (Silvex)	UG/L	0.53
2,4-D	UG/L	0.50 U
2,4-DB	UG/L	0.50 U
Dicamba	UG/L	0.20 U
Dinoseb	UG/L	0.20 U
Picrolam	UG/L	0.30 U
Metals		
Aluminum	UG/L	57.7 J
Antimony	UG/L	1.9 U
Arsenic	UG/L	1.3 U
Barium	UG/L	98.4 J
Beryllium	UG/L	0.14 U
Cadmium	UG/L	0.11 U
Calcium	UG/L	18,800
Chromium	UG/L	1.1 U
Cobalt	UG/L	1.0 U
Copper	UG/L	8.7 J
Iron	UG/L	80.8 J
Lead	UG/L	3.5 J
Magnesium	UG/L	9,250
Manganese	UG/L	45.7
Mercury	UG/L	0.10 U
Nickel	UG/L	8.8 J

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value.
UJ - Not detected. The reported quantitation limit is an estimated value.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 3
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		MW-10
Sample ID		MW-10
Matrix		Groundwater
Depth Interval (ft)		-
Date Sampled		05/07/14
Parameter	**Units**	
Metals		
Potassium	UG/L	95,600
Selenium	UG/L	1.1 U
Silver	UG/L	0.43 U
Sodium	UG/L	150,000
Thallium	UG/L	1.3 U
Vanadium	UG/L	3.6 J
Zinc	UG/L	21.5

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value.
UJ - Not detected. The reported quantitation limit is an estimated value.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 4
VALIDATED LEACHATE SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		LEACHATE	LEACHATE
Sample ID		20140507-FD-1	LEACHATE
Matrix		GW Seep	GW Seep
Depth Interval (ft)		-	-
Date Sampled		05/07/14	05/07/14
Parameter	Units	Field Duplicate (1-1)	
Volatile Organic Compounds			
1,1,1-Trichloroethane	UG/L	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	UG/L	5.0 U	5.0 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	5.0 U	5.0 U
1,1,2-Trichloroethane	UG/L	1.0 U	1.0 U
1,1-Dichloroethane	UG/L	5.0 U	5.0 U
1,1-Dichloroethene	UG/L	5.0 U	5.0 U
1,2,4-Trichlorobenzene	UG/L	5.0 U	5.0 U
1,2-Dibromo-3-chloropropane	UG/L	1.0 U	1.0 U
1,2-Dibromoethane (Ethylene dibromide)	UG/L	1.0 U	1.0 U
1,2-Dichlorobenzene	UG/L	3.0 U	3.0 U
1,2-Dichloroethane	UG/L	1.0 U	1.0 U
1,2-Dichloroethene (cis)	UG/L	5.0 U	5.0 U
1,2-Dichloroethene (trans)	UG/L	5.0 U	5.0 U
1,2-Dichloropropane	UG/L	1.0 U	1.0 U
1,3-Dichlorobenzene	UG/L	3.0 U	3.0 U
1,3-Dichloropropene (cis)	UG/L	1.0 U	1.0 U
1,3-Dichloropropene (trans)	UG/L	1.0 U	1.0 U
1,4-Dichlorobenzene	UG/L	3.0 U	3.0 U
2-Hexanone	UG/L	5.0 UJ	5.0 UJ
4-Methyl-2-pentanone	UG/L	5.0 U	5.0 U
Acetone	UG/L	5.0 U	5.0 U
Benzene	UG/L	1.0 U	1.0 U
Bromodichloromethane	UG/L	5.0 U	5.0 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value.
UJ - Not detected. The reported quantitation limit is an estimated value.
U - Not detected above the reported quantitation limit.
D - Result reported from a secondary dilution analysis.

Detection Limits shown are PQL

TABLE 4
VALIDATED LEACHATE SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		LEACHATE	LEACHATE
Sample ID		20140507-FD-1	LEACHATE
Matrix		GW Seep	GW Seep
Depth Interval (ft)		-	-
Date Sampled		05/07/14	05/07/14
Parameter	Units	Field Duplicate (1-1)	
Volatile Organic Compounds			
Bromoform	UG/L	5.0 U	5.0 U
Bromomethane	UG/L	5.0 UJ	5.0 UJ
Carbon disulfide	UG/L	5.0 U	5.0 U
Carbon tetrachloride	UG/L	5.0 U	5.0 U
Chlorobenzene	UG/L	5.0 U	5.0 U
Chloroethane	UG/L	5.0 U	5.0 U
Chloroform	UG/L	5.0 U	5.0 U
Chloromethane	UG/L	5.0 U	5.0 U
Cyclohexane	UG/L	5.0 U	5.0 U
Dibromochloromethane	UG/L	5.0 U	5.0 U
Dichlorodifluoromethane	UG/L	5.0 U	5.0 U
Ethylbenzene	UG/L	5.0 U	5.0 U
Isopropylbenzene (Cumene)	UG/L	5.0 U	5.0 U
Methyl acetate	UG/L	5.0 U	5.0 U
Methyl ethyl ketone (2-Butanone)	UG/L	5.0 U	5.0 U
Methyl tert-butyl ether	UG/L	5.0 U	5.0 U
Methylcyclohexane	UG/L	5.0 U	5.0 U
Methylene chloride	UG/L	5.0 U	5.0 U
Styrene	UG/L	5.0 U	5.0 U
Tetrachloroethene	UG/L	5.0 U	5.0 U
Toluene	UG/L	5.0 U	5.0 U
Trichloroethene	UG/L	5.0 U	5.0 U
Trichlorofluoromethane	UG/L	5.0 U	5.0 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value.
UJ - Not detected. The reported quantitation limit is an estimated value.
U - Not detected above the reported quantitation limit.
D - Result reported from a secondary dilution analysis.

Detection Limits shown are PQL

TABLE 4
VALIDATED LEACHATE SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		LEACHATE	LEACHATE
Sample ID		20140507-FD-1	LEACHATE
Matrix		GW Seep	GW Seep
Depth Interval (ft)		-	-
Date Sampled		05/07/14	05/07/14
Parameter	**Units**	Field Duplicate (1-1)	
Volatile Organic Compounds			
Vinyl chloride	UG/L	2.0 U	2.0 U
Xylene (total)	UG/L	5.0 U	5.0 U
Semivolatile Organic Compounds			
1,1-Biphenyl	UG/L	5.0 UJ	5.0 UJ
2,2-oxybis(1-Chloropropane)	UG/L	5.0 UJ	5.0 UJ
2,4,5-Trichlorophenol	UG/L	25 U	25 U
2,4,6-Trichlorophenol	UG/L	10 U	10 U
2,4-Dichlorophenol	UG/L	2.0 U	2.0 U
2,4-Dimethylphenol	UG/L	2.0 U	2.0 U
2,4-Dinitrophenol	UG/L	5.0 U	5.0 U
2,4-Dinitrotoluene	UG/L	5.0 U	5.0 U
2,6-Dinitrotoluene	UG/L	5.0 U	5.0 U
2-Chloronaphthalene	UG/L	10 U	10 U
2-Chlorophenol	UG/L	10 U	10 U
2-Methylnaphthalene	UG/L	10 U	10 U
2-Methylphenol (o-cresol)	UG/L	10 U	10 U
2-Nitroaniline	UG/L	5.0 U	5.0 U
2-Nitrophenol	UG/L	10 U	10 U
3,3-Dichlorobenzidine	UG/L	5.0 U	5.0 U
3-Nitroaniline	UG/L	5.0 U	5.0 U
4,6-Dinitro-2-methylphenol	UG/L	25 U	25 U
4-Bromophenyl-phenylether	UG/L	10 U	10 U
4-Chloro-3-methylphenol	UG/L	10 U	10 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value.
UJ - Not detected. The reported quantitation limit is an estimated value.
U - Not detected above the reported quantitation limit.
D - Result reported from a secondary dilution analysis.

Detection Limits shown are PQL

TABLE 4
VALIDATED LEACHATE SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		LEACHATE	LEACHATE
Sample ID		20140507-FD-1	LEACHATE
Matrix		GW Seep	GW Seep
Depth Interval (ft)		-	-
Date Sampled		05/07/14	05/07/14
Parameter	Units	Field Duplicate (1-1)	
Semivolatile Organic Compounds			
4-Chloroaniline	UG/L	5.0 U	5.0 U
4-Chlorophenyl-phenylether	UG/L	10 U	10 U
4-Methylphenol (p-cresol)	UG/L	10 U	10 U
4-Nitroaniline	UG/L	5.0 U	5.0 U
4-Nitrophenol	UG/L	25 U	25 U
Acenaphthene	UG/L	10 U	10 U
Acenaphthylene	UG/L	10 U	10 U
Acetophenone	UG/L	10 U	10 U
Anthracene	UG/L	10 U	10 U
Atrazine	UG/L	130 D	150 D
Benzaldehyde	UG/L	10 U	10 U
Benzo(a)anthracene	UG/L	10 U	10 U
Benzo(a)pyrene	UG/L	10 U	10 U
Benzo(b)fluoranthene	UG/L	10 U	10 U
Benzo(g,h,i)perylene	UG/L	10 U	10 U
Benzo(k)fluoranthene	UG/L	10 U	10 U
bis(2-Chloroethoxy)methane	UG/L	5.0 U	5.0 U
bis(2-Chloroethyl)ether	UG/L	1.0 U	1.0 U
bis(2-Ethylhexyl)phthalate	UG/L	5.0 U	5.0 U
Butylbenzylphthalate	UG/L	10 U	10 U
Caprolactam	UG/L	10 U	10 U
Carbazole	UG/L	10 U	10 U
Chrysene	UG/L	10 U	10 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value.
UJ - Not detected. The reported quantitation limit is an estimated value.
U - Not detected above the reported quantitation limit.
D - Result reported from a secondary dilution analysis.

Detection Limits shown are PQL

TABLE 4
VALIDATED LEACHATE SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		LEACHATE	LEACHATE
Sample ID		20140507-FD-1	LEACHATE
Matrix		GW Seep	GW Seep
Depth Interval (ft)		-	-
Date Sampled		05/07/14	05/07/14
Parameter	**Units**	Field Duplicate (1-1)	
Semivolatile Organic Compounds			
Dibenz(a,h)anthracene	UG/L	10 U	10 U
Dibenzofuran	UG/L	10 U	10 U
Diethylphthalate	UG/L	10 U	10 U
Dimethylphthalate	UG/L	10 U	10 U
Di-n-butylphthalate	UG/L	10 U	10 U
Di-n-octylphthalate	UG/L	10 U	10 U
Fluoranthene	UG/L	10 U	10 U
Fluorene	UG/L	10 U	10 U
Hexachlorobenzene	UG/L	10 U	10 U
Hexachlorobutadiene	UG/L	10 U	10 U
Hexachlorocyclopentadiene	UG/L	5.0 U	5.0 U
Hexachloroethane	UG/L	5.0 UJ	5.0 UJ
Indeno(1,2,3-cd)pyrene	UG/L	10 U	10 U
Isophorone	UG/L	10 U	10 U
Naphthalene	UG/L	10 U	10 U
Nitrobenzene	UG/L	1.0 U	1.0 U
N-Nitroso-di-n-propylamine	UG/L	10 U	10 U
N-Nitrosodiphenylamine	UG/L	10 U	10 U
Pentachlorophenol	UG/L	5.0 UJ	5.0 UJ
Phenanthrene	UG/L	10 U	10 U
Phenol	UG/L	2.0 U	2.0 U
Pyrene	UG/L	10 U	10 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value.
UJ - Not detected. The reported quantitation limit is an estimated value.
U - Not detected above the reported quantitation limit.
D - Result reported from a secondary dilution analysis.

Detection Limits shown are PQL

TABLE 4
VALIDATED LEACHATE SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		LEACHATE	LEACHATE
Sample ID		20140507-FD-1	LEACHATE
Matrix		GW Seep	GW Seep
Depth Interval (ft)		-	-
Date Sampled		05/07/14	05/07/14
Parameter	**Units**	Field Duplicate (1-1)	
Pesticide Organic Compounds			
4,4'-DDD	UG/L	0.10 U	0.10 U
4,4'-DDE	UG/L	0.10 U	0.10 U
4,4'-DDT	UG/L	0.10 U	0.10 U
Aldrin	UG/L	0.10	0.10
alpha-BHC	UG/L	0.050 U	0.050 U
alpha-Chlordane	UG/L	0.050 U	0.050 U
beta-BHC	UG/L	0.050 U	0.050 U
delta-BHC	UG/L	0.050 U	0.050 U
Dieldrin	UG/L	0.18	0.17
Dimethoate	UG/L	1.0 UJ	1.0 UJ
Disulfoton	UG/L	1.0 UJ	1.0 UJ
Endosulfan I	UG/L	0.050 U	0.050 U
Endosulfan II	UG/L	0.10 U	0.10 U
Endosulfan sulfate	UG/L	0.10 U	0.10 U
Endrin	UG/L	0.10 U	0.10 U
Endrin aldehyde	UG/L	0.10 U	0.10 U
Endrin ketone	UG/L	0.10 U	0.10 U
Famphur	UG/L	1.0 UJ	1.0 UJ
gamma-BHC (Lindane)	UG/L	0.050 U	0.050 U
gamma-Chlordane	UG/L	0.050 U	0.050 U
Heptachlor	UG/L	0.050 U	0.050 U
Heptachlor epoxide	UG/L	0.050 U	0.050 U
Methoxychlor	UG/L	0.50 U	0.50 U

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value.
UJ - Not detected. The reported quantitation limit is an estimated value.
U - Not detected above the reported quantitation limit.
D - Result reported from a secondary dilution analysis.

Detection Limits shown are PQL

TABLE 4
VALIDATED LEACHATE SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		LEACHATE	LEACHATE
Sample ID		20140507-FD-1	LEACHATE
Matrix		GW Seep	GW Seep
Depth Interval (ft)		-	-
Date Sampled		05/07/14	05/07/14
Parameter	**Units**	Field Duplicate (1-1)	
Pesticide Organic Compounds			
Methyl parathion	UG/L	1.0 UJ	1.0 UJ
Parathion	UG/L	1.0 UJ	1.0 UJ
Toxaphene	UG/L	5.0 U	5.0 U
Herbicides			
2,4,5-T	UG/L	0.30 U	0.30 U
2,4,5-TP (Silvex)	UG/L	0.30 U	0.30 U
2,4-D	UG/L	0.50 U	0.50 U
2,4-DB	UG/L	0.50 U	0.50 U
Dicamba	UG/L	0.20 U	0.20 U
Dinoseb	UG/L	0.20 U	0.20 U
Picrolam	UG/L	0.30 U	0.30 U
Metals			
Aluminum	UG/L	21.5 J	13.8 J
Antimony	UG/L	1.9 U	1.9 U
Arsenic	UG/L	3.2 U	2.6 U
Barium	UG/L	8.3 J	8.6 J
Beryllium	UG/L	0.14 U	0.14 U
Cadmium	UG/L	0.20 J	0.20 J
Calcium	UG/L	113,000	112,000
Chromium	UG/L	1.1 U	1.1 U
Cobalt	UG/L	0.19 U	0.19 U
Copper	UG/L	1.4 J	1.6 J
Iron	UG/L	2,380	2,340

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value.
UJ - Not detected. The reported quantitation limit is an estimated value.
U - Not detected above the reported quantitation limit.
D - Result reported from a secondary dilution analysis.

Detection Limits shown are PQL

TABLE 4
VALIDATED LEACHATE SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		LEACHATE	LEACHATE
Sample ID		20140507-FD-1	LEACHATE
Matrix		GW Seep	GW Seep
Depth Interval (ft)		-	-
Date Sampled		05/07/14	05/07/14
Parameter	**Units**	Field Duplicate (1-1)	
Metals			
Lead	UG/L	8.0	9.0
Magnesium	UG/L	18,500	18,500
Manganese	UG/L	437	434
Mercury	UG/L	0.10 U	0.10 U
Nickel	UG/L	0.60 J	2.5 J
Potassium	UG/L	10,500	11,000
Selenium	UG/L	1.1 U	1.1 U
Silver	UG/L	0.43 U	0.45 J
Sodium	UG/L	151,000	152,000
Thallium	UG/L	1.3 U	1.3 U
Vanadium	UG/L	1.0 J	1.0 J
Zinc	UG/L	49.6	74.9

Flags assigned during chemistry validation are shown.

J - The reported concentration is an estimated value.
UJ - Not detected. The reported quantitation limit is an estimated value.
U - Not detected above the reported quantitation limit.
D - Result reported from a secondary dilution analysis.

Detection Limits shown are PQL

TABLE 4
VALIDATED FIELD QC SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		FIELDQC
Sample ID		20140507-TB-01
Matrix		Water Quality
Depth Interval (ft)		-
Date Sampled		05/07/14
Parameter	**Units**	Trip Blank (1-1)
Volatile Organic Compounds		
1,1,1-Trichloroethane	UG/L	5.0 U
1,1,2,2-Tetrachloroethane	UG/L	5.0 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	5.0 U
1,1,2-Trichloroethane	UG/L	1.0 U
1,1-Dichloroethane	UG/L	5.0 U
1,1-Dichloroethene	UG/L	5.0 U
1,2,4-Trichlorobenzene	UG/L	5.0 U
1,2-Dibromo-3-chloropropane	UG/L	1.0 U
1,2-Dibromoethane (Ethylene dibromide)	UG/L	1.0 U
1,2-Dichlorobenzene	UG/L	3.0 U
1,2-Dichloroethane	UG/L	1.0 U
1,2-Dichloroethene (cis)	UG/L	5.0 U
1,2-Dichloroethene (trans)	UG/L	5.0 U
1,2-Dichloropropane	UG/L	1.0 U
1,3-Dichlorobenzene	UG/L	3.0 U
1,3-Dichloropropene (cis)	UG/L	1.0 U
1,3-Dichloropropene (trans)	UG/L	1.0 U
1,4-Dichlorobenzene	UG/L	3.0 U
2-Hexanone	UG/L	5.0 UJ
4-Methyl-2-pentanone	UG/L	5.0 U
Acetone	UG/L	5.0 U
Benzene	UG/L	1.0 U
Bromodichloromethane	UG/L	5.0 U

Flags assigned during chemistry validation are shown.

UJ - Not detected. The reported quantitation limit is an estimated value.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 4
VALIDATED FIELD QC SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		FIELDQC
Sample ID		20140507-TB-01
Matrix		Water Quality
Depth Interval (ft)		-
Date Sampled		05/07/14
Parameter	**Units**	Trip Blank (1-1)
Volatile Organic Compounds		
Bromoform	UG/L	5.0 U
Bromomethane	UG/L	5.0 UJ
Carbon disulfide	UG/L	5.0 U
Carbon tetrachloride	UG/L	5.0 U
Chlorobenzene	UG/L	5.0 U
Chloroethane	UG/L	5.0 U
Chloroform	UG/L	5.0 U
Chloromethane	UG/L	5.0 U
Cyclohexane	UG/L	5.0 U
Dibromochloromethane	UG/L	5.0 U
Dichlorodifluoromethane	UG/L	5.0 U
Ethylbenzene	UG/L	5.0 U
Isopropylbenzene (Cumene)	UG/L	5.0 U
Methyl acetate	UG/L	5.0 U
Methyl ethyl ketone (2-Butanone)	UG/L	5.0 U
Methyl tert-butyl ether	UG/L	5.0 U
Methylcyclohexane	UG/L	5.0 U
Methylene chloride	UG/L	5.0 U
Styrene	UG/L	5.0 U
Tetrachloroethene	UG/L	5.0 U
Toluene	UG/L	5.0 U
Trichloroethene	UG/L	5.0 U
Trichlorofluoromethane	UG/L	5.0 U

Flags assigned during chemistry validation are shown.

UJ - Not detected. The reported quantitation limit is an estimated value.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

TABLE 4
VALIDATED FIELD QC SAMPLE ANALYTICAL RESULTS
OLD AGWAY STORE REMEDIAL INVESTIGATION - PHASE II
BALSTON SPA, NEW YORK

Location ID		FIELDQC
Sample ID		20140507-TB-01
Matrix		Water Quality
Depth Interval (ft)		-
Date Sampled		05/07/14
Parameter	**Units**	Trip Blank (1-1)
Volatile Organic Compounds		
Vinyl chloride	UG/L	2.0 U
Xylene (total)	UG/L	5.0 U

Flags assigned during chemistry validation are shown.

UJ - Not detected. The reported quantitation limit is an estimated value.
U - Not detected above the reported quantitation limit.

Detection Limits shown are PQL

ATTACHMENT A

SUPPORT DOCUMENTATION

URD166 URS164 (JD

CHAIN OF CUSTODY RECORD

Pace Analytical®
www.pacelabs.com

LAB W.O #_____ Quote:_____ Page 1 of 2

Container Type Codes			
AV	Amber Vial	ES	Encore Sampler
CV	Clear Vial	PPV	Prepreserved vial
P	Plastic	PL C	Plastic container
AL	Amber Liter	PL J	Plastic Jar
CL	Clear Liter	Z	Ziploc bag
AP	Amber Plastic	TB	Tedlar bag
AG	Amber Glass	WP	Whirl pak
SJ	Soil Jar	G	Gallon Jug
Other		TC	Terra-core

PPV Prepreserved vial
Size(s): 2oz, 4oz, 8oz, 16oz, 32oz or 1L, other_____
40ml 500ml 250ml 125 ml
Example: 4ozP = 4oz Plastic, 8ozSJ = 8oz Soil Jar

Matrix Codes			
SD	Solid Waste	OL	Oil
GW	Ground Water	SL	Sludge
EFF	Effluent	SO	Soil Sediment
AFW	Analyte Free H20	AQ	Aqueous
WW	Waste Water	NA	Nonaqueous
DW	Drinking Water	PE	Petroleum
SW	Surface Water	O	Other_____ (Please specify)
ML	Misc. Liquid		

Preservative Type Codes		
A. None	E. HCL	I. Ice
B. HNO3	F. MeOH	J. MCAA
C. H2SO4	G. Na2S2O3	K. Zn Acetate
D. NaOH	H. NaHSO4	O. Other

Company Name: URS Corp PO#
Address: 257 West Genesee St, Ste 400
City: Buffalo State: NY Zip: 14202
Attn: George Kislak Fax# 716 856-2545
email: george.kislak@URS.com Phone: 716 913-1321
Project Name: Old Agway, Phase II Proj # 11176892
Sampler Signature: John P. Hilton
Circle One Event: Daily Weekly Monthly Quarterly Semi-Annual Annual N/A

LAB ANALYSIS

Sample #	Sample ID	Collect Date	Collect Time	Matrix Code*	Field Filtered	Integrity (OK/Y/N)	Total # of Containers	Parameters	# of Containers Size/Type	EXAMPLE Diss. Lead 6010
								TCL VOCs + TICs	1 2oz SJ	1 16ozP
								TEST/Herb TAL Metals	1 8oz SJ	
								TCL SVOCs + TICs		
								1405098		
1	HA-6S(0-2')	4/29	14:05	SO			2			
2	HA-6(0-2')	4/29	14:15				2			
3	HA-6(2-4')	4/29	14:35				2			
4	HA-7S(0-2')	4/29	15:45				2			
5	HA-7(0-2')	4/29	16:00				2			
6	HA-7(2-4')	4/29	16:15				2			
7	HA-7S(0-2')MS	4/29	15:45				2			
8	HA-7S(0-2')MSD	4/29	15:45				2			
9	HA-Dupl 1	HA-7 0-2		SO			2			
10	HA-Dupl 2	HA-7 2-4		SO			2			

REMARKS
URS164
Matrix Spike
MS Duplicate
Soil Duplicate #1
Soil Duplicate #2

Order/LAT REQUEST (Rush Fees Apply) Standard Rush: Today 1D 2D 3D 4D 5D
Short Hold: Y N
Circle QA/QC Report Level: 1 2 3 4 CLP AFCEE QAPP Other
EDD (Fees May Apply): ADaPT SEDD ERPIMS TSV CSV Other
COC Condition: OK Incomplete
Required State Certification: FL GA SC NC NJ PA LA TX IL
Coolers #'s - Temp °C: 1 2 3 4 5

Item	Relinquished by	Affiliation	Date	Time	Received by	Affiliation	Date	Time
1	John P. Hilton	URS	4/30/14	15:30	M. Conway	pace	4/30/14	1930
2	M. Conway	Pace	4/30/14	1555		Pace	5/2/14	1000
3								
4								

Lab Use Only

	YES	NO	N/A
Non-Conformance Found?			
Samples INTACT upon arrival?			
Received on Wet Ice?			
Proper Preservatives Indicated?			
Received within holding time?			
Custody seals Intact?			
Volatiles rec'd without headspace?			
Proper Containers Used?			

Pompano Lab 954-582-4300 Revision: F-ALL-C-007- Rev.00

C.O.C. Serial # 68081

1.4°C

URS160 URS107

CHAIN OF CUSTODY RECORD

Pace Analytical®
www.pacelabs.com

LAB W.O #_____ Quote:_____ Page 2 of 2

Company Name:	URS Corp PO#
Address:	257 West Genesee St. Ste 400
City:	Buffalo State: NY Zip: 14202
Attn:	George Kisluk Fax#
email:	george.kisluk@urs.com Phone: (716) 923-1321
Project Name	Old Agway, Ph II Proj # 11176892
Sampler Signature	Circle One Event: Daily Weekly Monthly Quarterly Semi-Annual Annual N/A

Container Type Codes

AV	Amber Vial	ES	Encore Sampler
CV	Clear Vial	PPV	Prepreserved vial
P	Plastic	PL C	Plastic container
AL	Amber Liter	PL J	Plastic Jar
CL	Clear Liter	Z	Ziploc bag
AP	Amber Plastic	TB	Tedlar bag
AG	Amber Glass	WP	Whirl pak
SJ	Soil Jar	G	Gallon Jug
Other_____		TC	Terra-core

PPV Prepreserved vial
Size(s): 2oz, 4oz, 8oz, 16oz, 32oz or 1L, other_____ 40ml 500ml 250ml 125 ml
Example: 4ozP = 4oz Plastic, 8ozSJ= 8oz Soil Jar

Matrix Codes

SD	Solid Waste	OL	Oil
GW	Ground Water	SL	Sludge
EFF	Effluent	SO	Soil Sediment
AFW	Analyte Free H20	AQ	Aqueous
WW	Waste Water	NA	Nonaqueous
DW	Drinking Water	PE	Petroleum
SW	Surface Water	O	Other_____ (Please specify)
ML	Misc. Liquid		

Preservative Type Codes

A. None	E. HCL	I. Ice
B. HNO_3	F. MeOH	J. MCAA
C. H_2SO_4	G. $Na_2S_2O_3$	K. Zn Acetate
D. NaOH	H. $NaHSO_4$	O. Other

LAB ANALYSIS

Sample #	Sample ID	Collect Date	Collect Time	Matrix Code	Field Filtered	Intensity ONLY (N)	Total # of containers	Parameters	pH	Pres Codes	TCL VOCs + TICs	TCL SVOCs + TICs	RSK/Herb	TAL METALS	1405098	EXAMPLE Diss. Lead 6010
								Sample								
								TRC								
								pH								
								Pres Codes			I	I				
								# of Containers Size/Type			1 16ozP					
1	HA-8s(0-2")	4/29	11:15	SO			2				1 2oz SJ	1 8oz SJ			-008	
2	HA-8(0-2')	4/29	11:20				2				1 2oz SJ	1 8oz SJ			-009	
3	HA-8(2-4')	4/29	11:25				2				1 2oz SJ	1 8oz SJ			-010	
4	HA-9s(0-2")	4/29	10:45				2				1 2oz SJ	1 8oz SJ			-011	
5	HA-9(2-4')	4/29	10:55				2				1 2oz SJ	1 8oz SJ			1405116-001	
6	HA-9(0-2')	4/29	10:50				2				1 2oz SJ	1 8oz SJ			-002	
7	HA-10s(0-2")	4/29	11:00				2				1 2oz SJ	1 8oz SJ			-003	
8	HA-10(0-2')	4/29	11:05				2				1 2oz SJ	1 8oz SJ			-004	
9	HA-10(2-4')	4/29	11:10				2				1 2oz SJ	1 8oz SJ			-005	
10	HA-11s(0-2")	4/29	09:30				2				1 2oz SJ	1 8oz SJ			-006	

REMARKS

URS 164
URS 166

Circle TAT REQUESTED (Lead Times Approved)	Short Hold	Circle QA/QC Report Level	EDD (Fees May Apply)		COC Condition	Required State Certification	Coolers #'s - Temp °C
Standard: Y N Today 1D 2D 3D 4D 5D Rush:	Y_____ N_____	1 2 3 4 CLP AFCEE QAPP Other_____	ADaPT SEDD ERPIMS TSV CSV Other_____		OK Incomplete	FL GA SC NC NJ PA LA TX IL	1 ___ 2 ___ 3 ___ 4 ___ 5 ___

Item	Relinquished by	Affiliation	Date	Time	Received by	Affiliation	Date	Time
1	Katie P. Miller	URS	4/30/14	15:30	M. Lewis	Pace	4/30/14	15:30
2	M. Lewis	Pace	4/30/14	1555		Pace	5/2/14	10:00
3								
4								

Lab Use Only	YES	NO	N/A
Non-Conformance Found?			
Samples INTACT upon arrival?			
Received on Wet Ice?			
Proper Preservatives Indicated?			
Received within holding time?			
Custody seals Intact?			
Volatiles rec'd without headspace?			
Proper Containers Used?			

CHAIN OF CUSTODY RECORD URS164

Pace Analytical®
www.pacelabs.com

LAB W.O # L404101 Quote: _____ Page 1 of 3

Company Name:	URS Corp PO#
Address:	257 West Genesee St., Ste. 400
City:	Buffalo State: NY Zip: 14202
Attn:	George Kisluk Fax#(716) 856-2545
email:	george.kisluk@urscorp.com Phone (716) 923-1321
Project Name	Old Agway, Ph II Proj # 11176892
Sampler Signature	Circle One Event: Daily Weekly Monthly Quartely Semi-Annual Annual (N/A)

LAB ANALYSIS

Sample #	Sample ID	Collect Date	Collect Time	Matrix Code*	Field Filtered	Lab to Filter	# of Containers	Signature Sample	Parameters	Sample	TRC	pH	Pres Codes	TCL Volatiles+TICs	TCL Volatiles	TCL-SVOCs +TICs	Pest/Herbs TAL Metals Smust	TAL Metals	TCL SVOCs Pest/Herbs			EXAMPLE Diss. Lead 6010
									# of Containers Size/Type					1 16ozP								
1	MW-7 (0-2')	4/28	12:40	SO			2						ICE	1 2ozSJ		1 8ozSJ						01
2	MW-7 (2-4')	4/28	12:45				2							1 2ozSJ		1 8ozSJ						02
3	MW-7 (4-6')	4/28	12:55				2							1 2ozSJ		1 8ozSJ						03
4	MW-7 (6-8')	4/28	13:05				2							1 2ozSJ		1 8ozSJ						04
5	MW-7 (8-10')	4/28	13:10				2							1 2ozSJ		1 8ozSJ						05
6	MW-7 (10-12')	4/28	13:20				2							1 2ozSJ		1 8ozSJ						06
7	MW-7 (12-14')	4/28	13:30				2							1 2ozSJ		1 8ozSJ						07
8	MW-7 (14-16')	4/28	13:45				2							1 2ozSJ		1 8ozSJ						08
9	MW-7(Dup1)	4/28	0900				2							1 2ozSJ		1 8ozSJ						09
10	Equip BLK 1	4/28	15:00	AQ			8								2 40ml NV			1 250ml P	5 1L AL			10

*Matrix Codes: SO Soil, AQ Aqueous, WP Wipe, OL Oil, SL Sludge, SW Surface Water, GW Ground Water, DW Drinking Water, WW Waste Water, EFF Effluent, AFW Analyte Free H20, ML Misc. Liquid, SS Soil Sediment, NA Nonaqueous, PE Petroleum, O Other

Circle TAT: Standard (7 BUSINESS DAYS) (Rush Fees Apply) Rush: Today 1D 2D 3D 4D 5D ___

Short Hold: Y___ N___

Circle QA/QC Report Level: 1 2 3 4 CLP AFCEE QAPP Other___

EDD (Fees May Apply): ADaPT SEDD ERPIMS TSV CSV Other ___

COC Condition: OK Incomplete

Required State Certification: FL GA SC NC NJ PA LA TX IL

Coolers #s: Temp °C: 1 ___ 2 ___ 3 ___ 4 ___ 5 ___

Item	Relinquished by	Affiliation	Date	Time	Received by	Affiliation	Date	Time
1		URS	4/29/14	15:15		Pace	4/29/14	1515
2		Pace	4/29/14	1543		Pace	4/29/14	1543
3		Pace	4/29/14		VIA FEDEX			
4	Fedex						4/30	10:45

Lab Use Only

	YES	NO	N/A
Non-Conformance Found?			
Samples INTACT upon arrival?			
Received on Wet Ice?			
Proper Preservatives Indicated?			
Received within holding time?			
Custody seals Intact?			
Volatiles rec'd without headspace?			
Proper Containers Used?			

Container Type Codes

AV	Amber Vial	ES	Encore Sampler
CV	Clear Vial	PPV	Prepreserved vial
P	Plastic	PL C	Plastic container
AL	Amber Liter	PL J	Plastic Jar
CL	Clear Liter	Z	Ziploc bag
AP	Amber Plastic	TB	Tedlar bag
AG	Amber Glass	WP	Whirl pak
SJ	Soil Jar	G	Gallon Jug
Other		TC	Terra-core

PPV Prepreserved vial
Size(s): 2oz, 4oz, 8oz, 16oz, 32oz or 1L, other ___ 40ml 500ml 250ml 125 ml
Example: 4ozP = 4oz Plastic, 8ozSJ= 8oz Soil Jar

Matrix Codes

SD	Solid Waste	OL	Oil
GW	Ground Water	SL	Sludge
EFF	Effluent	SO	Soil Sediment
AFW	Analyte Free H20	AQ	Aqueous
WW	Waste Water	NA	Nonaqueous
DW	Drinking Water	PE	Petroleum
SW	Surface Water	O	Other (Please specify)
ML	Misc. Liquid		

Preservative Type Codes

A. None	E. HCL	I. Ice
B. HNO3	F. MeOH	J. MCAA
C. H2SO4	G. Na2S2O3	K. Zn Acetate
D. NaOH	H. NaHSO4	O. Other

REMARKS

Collected blind duplicate

MW-7 (Dup1.)

14-16"

Surface Soil Equip BLK

Pompano Lab 954-582-4300 Revision: F-ALL-C-007- Rev.00

1.0

C.O.C. Serial # 68078

PACE ANALYTICAL
575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.pacelabs.com

URS164

Sample Receipt Checklist

Client Name URS

Date and Time Received: 4/30/2014 10:45:00 AM

Work Order Number: 1404M01 RcptNo: 1

Received by JoshLaedke

Completed by:

Reviewed by:

Completed Date: 4/30/2014 12:58:55 PM

Reviewed Date: 5/5/2014 11:48:28 AM

Carrier name: FedEx

Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Are matrices correctly identified on Chain of custody?	Yes ☑	No ☐		
Is it clear what analyses were requested?	Yes ☑	No ☐		
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present	☑
Samples in proper container/bottle?	Yes ☐	No ☑		
Were correct preservatives used and noted?	Yes ☑	No ☐	NA	☐
Preservative added to bottles:				
Sample Condition?	Intact ☐	Broken ☑	Leaking	☐
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
Were container labels complete (ID, Pres, Date)?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Was an attempt made to cool the samples?	Yes ☑	No ☐	NA	☐
All samples received at a temp. of > 0° C to 6.0° C?	Yes ☑	No ☐	NA	☐
Response when temperature is outside of range:				
Sample Temp. taken and recorded upon receipt?	Yes ☑	No ☐	To	1 °
Water - Were bubbles absent in VOC vials?	Yes ☑	No ☐	No Vials	☐
Water - Was there Chlorine Present?	Yes ☐	No ☐	NA	☑
Water - pH acceptable upon receipt?	Yes ☑	No ☐	No Water	☐
Are Samples considered acceptable?	Yes ☑	No ☐		
Custody Seals present?	Yes ☐	No ☑		
Airbill or Sticker?	Air Bill ☑	Sticker ☐	Not Present	☐
Airbill No:	5935 7924 0659			

Case Number: SDG: URS164 SAS:

Any No response should be detailed in the comments section below, if applicable.

Client Contacted? ☐ Yes ☐ No ☑ NA Person Contacted:

Contact Mode: ☐ Phone: ☐ Fax: ☐ Email: ☐ In Person:

Client Instructions:

Date Contacted: Contacted By:

Regarding:

Comments:

VOC collected in 2oz jar as requested by client
MW-7 (2-4') 8 oz jar was received broken sample was transferred to another 8 oz jar

CorrectiveAction:

URS164 S5

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR VOLATILE ORGANICS
SAMPLES RECEIVED: 4/30/14 & 5/2/14
SDG #: URS164

For Sample(s):

MW-7 (0-2')	MW-7 (14-16')	HA-7 (0-2')
MW-7 (2-4')	MW-7 (DUP1)	HA-7 (2-4')
MW-7 (4-6')	EQMT BLK1	HA-DUP1
MW-7 (6-8')	HA-6S (0-2")	HA-8S (0-2")
MW-7 (8-10')	HA-6 (0-2')	HA-8 (0-2')
MW-7 (10-12')	HA-6 (2-4')	HA-8 (2-4')
MW-7 (12-14')	HA-7S (0-2")	HA-9S (0-2")

The above soil sample(s) and blank(s) was/were analyzed for a select list of volatile organic analytes by EPA method 8260C.

All Q. C. data and calibrations met the requirements of the method unless discussed below, and no problems were encountered with sample analysis. The following should be noted:

Sample HA-7 (0-2') was analyzed as matrix spike/matrix spike duplicate (MS/MSD). Seventeen compounds in each analysis did not meet the Q. C. limits, but all RPDs were within the limits. Lab fortified blank was analyzed for each extraction batch, and recoveries indicate good method efficiency. Recoveries for four compounds in the water LFB were below the Q. C. limits, and two or four compounds in each of the soil LFBs were outside the limits. The compounds were not found in the samples, and no data are affected.

In the initial calibrations, average response factors were employed as applicable, and regression functions were used for RSDs above 20%. In the continuing calibration verification(s) (CCV) the variability for some compounds was above 20%. Results for these analytes are flagged with a "Z" qualifier, indicating that they are regarded estimated.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: May 28, 2014

****
* *
* *
****

Ursula Middel
Quality Analyst

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR SEMIVOLATILE ORGANICS
SAMPLES RECEIVED: 4/30/14 & 5/2/14
SDG #: URS164

For Sample(s):

MW-7 (0-2')	MW-7 (14-16')	HA-7 (0-2')
MW-7 (2-4')	MW-7 (DUP1)	HA-7 (2-4')
MW-7 (4-6')	EQMT BLK1	HA-DUP1
MW-7 (6-8')	HA-6S (0-2")	HA-8S (0-2")
MW-7 (8-10')	HA-6 (0-2')	HA-8 (0-2')
MW-7 (10-12')	HA-6 (2-4')	HA-8 (2-4')
MW-7 (12-14')	HA-7S (0-2")	HA-9S (0-2")

The above soil sample(s) and blank(s) was/were analyzed for a select list of semivolatile organic analytes by EPA method 8270D.

All Q. C. data and calibrations met the requirements of the method unless discussed below, and no problems were encountered with sample analysis. The following should be noted:

Sample MW-7 (0-2') was submitted for matrix spike/matrix spike duplicate (MS/MSD) analysis. Recoveries for ten analytes in the MS and eleven analytes in the MSD did not meet the Q. C. limits, and three compounds had RPDs above 30%. Lab fortified blanks were analyzed for each extraction batch, and results indicate good method efficiency.

Recoveries for the surrogate terphenyl-d14 were greater than the Q. C. limit in all samples and Q. C. samples in batch 44515 extracted on 5/13/14. One sample (HA-7S (0-2") had a low recovery for 2-fluorophenol.

In the initial calibrations, average response factors (RF) were employed as applicable, and regression functions were used for RSDs above 20%. In the continuing calibration verification(s) (CCV) the variability for some compounds was above 20%. Results for these analytes are flagged with a "Z" qualifier in the LFB and if found in the samples, indicating that they are regarded estimated.

TICs identified as siloxanes are suspected to be column bleed and are flagged with the qualifier "X".

A low level of bis(2-ethylhexyl)phthalate below reporting limit (PQL) was present in the method blank MB-44358, and all blanks contained a number of TICs. If found in the associated samples, these compounds were flagged with the qualifiers "B".

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR SEMIVOLATILE ORGANICS
SAMPLES RECEIVED: 4/30/14 & 5/2/14
SDG #: URS164

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: May 27, 2014

****
* *
* *
****

Ursula Middel
Quality Analyst

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK050214

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS164

Lab File ID: G24818A.D Lab Sample ID: VBLK050214

Date Analyzed: 05/02/14 Time Analyzed: 12:01

GC Column: Rtx-624 ID: .18 (mm) Heated Purge: (Y/N) N

Instrument ID: HP5972-2

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LFB050214	LFB050214	G24819A.D	12:28
02	EQMT BLK1	1404M01-010A	G24825.D	15:17

COMMENTS: _____

3A

SYSTEM MONITORING SPIKE RECOVERY

Lab Name: PACE ANALYTICAL Contract:

Lab Code: 10478 Case No.: URS SAS No.: SDG No.: URS164

Sample ID LFB050214 Level: (low/med) LOW

Column ID Rtx-624 Column Diam .18

Inst. ID HP5972-2 Init. Calib. Date(s): 04/01/14 16:32

Analysis Date: 05/02/14 12:28 04/01/14 19:46

COMPOUND	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	SPIKE CONCENTRATION (µg/L)	SPIKE % REC #	QC. LIMITS REC.
Dichlorodifluoromethane	20	0	4.1	20	16-152
Chloromethane	20	0	9.8	49*	58-142
Vinyl chloride	20	0	10	51*	61-127
Bromomethane	20	0	12	61*	67-126
Chloroethane	20	0	14	72	66-140
Trichlorofluoromethane	20	0	12	61	10-144
1,1-Dichloroethene	20	0	12	58*	62-131
1,1,2-Trichloro-1,2,2-trifluoroethane	20	0	11	54	53-122
Acetone	20	0	22	108	33-175
Carbon disulfide	20	0	11	57	19-165
Methyl Acetate	20	0	16	79	45-175
Methylene chloride	20	0	16	78	47-159
trans-1,2-Dichloroethene	20	0	14	68	64-133
Methyl tert-butyl ether	20	0	18	91	64-117
1,1-Dichloroethane	20	0	16	79	52-152
cis-1,2-Dichloroethene	20	0	15	75	72-132
2-Butanone	20	0	20	102	33-175
Chloroform	20	0	16	78	56-142
1,1,1-Trichloroethane	20	0	15	73	24-129
Cyclohexane	20	0	14	71	33-152
Carbon tetrachloride	20	0	15	76	19-134
Benzene	20	0	17	83	64-139
1,2-Dichloroethane	20	0	18	89	48-133
Trichloroethene	20	0	19	96	43-150
Methylcyclohexane	20	0	12	62	22-171
1,2-Dichloropropane	20	0	18	92	40-152
Bromodichloromethane	20	0	17	85	55-138
cis-1,3-Dichloropropene	20	0	16	79	66-126
4-Methyl-2-pentanone	20	0	21	103	44-162
Toluene	20	0	16	79	69-124

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 4 out of 48 outside limits

COMMENTS:

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK050514

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS164

Lab File ID: A80902.D Lab Sample ID: VBLK050514

Date Analyzed: 05/05/14 Time Analyzed: 9:29

GC Column: Rtx-624 ID: .18 (mm) Heated Purge: (Y/N) Y

Instrument ID: HP5971

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LFB050514	LFB050514	A80903.D	9:58
02	HA-9S (0-2")	1405098-011A	A80904.D	10:27

COMMENTS: _____

_____

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK050514

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS164

Matrix: (soil/water) SOIL Lab Sample ID: VBLK050514

Sample wt/vol: 5 (g/mL) g Lab File ID: A80902.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 05/05/14

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

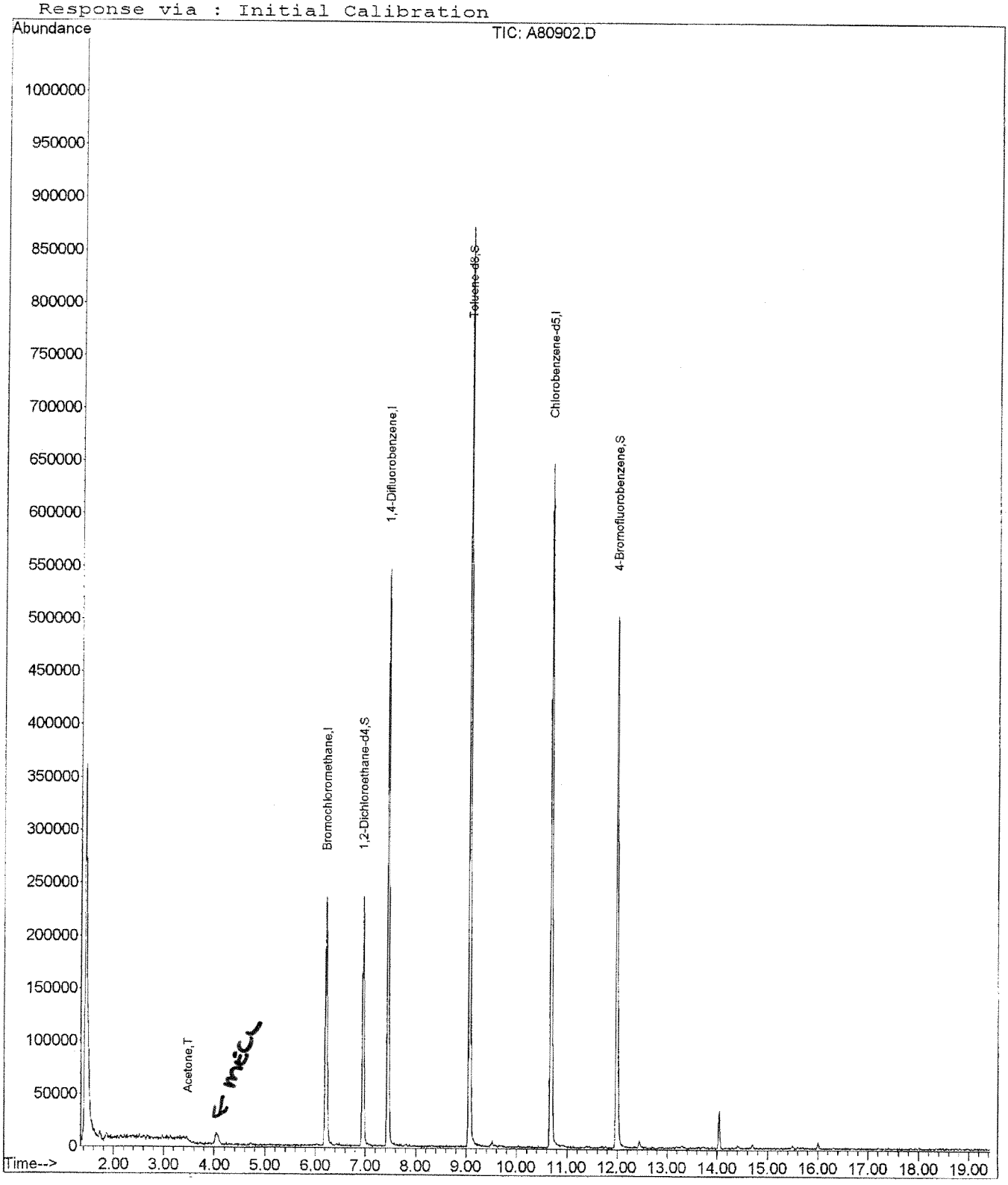
Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	1	JZ
75-15-0	Carbon disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U

Quantitation Report

Data File : O:\MS\HP5971\DATA\2014\MAY14\050514\A80902.D Vial: 4
Acq On : 5 May 2014 9:29 Operator: MEM
Sample : VBLK050514 Inst : H5971
Misc : ,,,MBLK,, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 5 9:49 2014 Quant Results File: R6S1024.RES

Method : O:\MS\HP5971\METHODS\2013\R6S1024.M (RTE Integrator)
Title : 8260S A090461, A087941, A083829, CJ4239, CG1098A
Last Update : Thu Oct 24 16:50:43 2013
Response via : Initial Calibration



URS164 V343

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK050214A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS164

Lab File ID: A80879.D Lab Sample ID: VBLK050214

Date Analyzed: 05/02/14 Time Analyzed: 16:44

GC Column: Rtx-624 ID: .18 (mm) Heated Purge: (Y/N) Y

Instrument ID: HP5971

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LFB050214A	LFB050214	A80880.D	17:13
02	MW-7 (8-10')	1404M01-005A	A80881.D	17:42
03	HA-6S (0-2")	1405098-001A	A80886.D	20:07
04	HA-6 (0-2')	1405098-002A	A80887.D	20:36
05	HA-6 (2-4')	1405098-003A	A80888.D	21:05
06	HA-7S (0-2")	1405098-004A	A80889.D	21:34
07	HA-7S (0-2")MS	1405098-004AMS	A80890.D	22:03
08	HA-7S (0-2")MSD	1405098-004AMSD	A80891.D	22:32
09	HA-7 (0-2')	1405098-005A	A80892.D	23:01
10	HA-7 (2-4')	1405098-006A	A80893.D	23:30
11	HA-DUP1	1405098-007A	A80894.D	23:59
12	HA-8S (0-2")	1405098-008A	A80895.D	0:28
13	HA-8 (0-2')	1405098-009A	A80896.D	0:57
14	HA-8 (2-4')	1405098-010A	A80897.D	1:26

COMMENTS: _____

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK050214A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS164

Matrix: (soil/water) SOIL Lab Sample ID: VBLK050214

Sample wt/vol: 5 (g/mL) g Lab File ID: A80879.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 05/02/14

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	4	JZ
75-15-0	Carbon disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene chloride	2	J
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK050114

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS164

Lab File ID: A80823.D Lab Sample ID: VBLK050114

Date Analyzed: 05/01/14 Time Analyzed: 8:49

GC Column: Rtx-624 ID: .18 (mm) Heated Purge: (Y/N) Y

Instrument ID: HP5971

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LFB050114	LFB050114	A80824.D	9:18
02	MW-7 (0-2')	1404M01-001A	A80828.D	11:14
03	MW-7 (2-4')	1404M01-002A	A80831.D	12:41
04	MW-7 (4-6')	1404M01-003A	A80832.D	13:10
05	MW-7 (6-8')	1404M01-004A	A80833.D	13:39
06	MW-7 (10-12')	1404M01-006A	A80835.D	14:37
07	MW-7 (12-14')	1404M01-007A	A80836.D	15:06
08	MW-7 (14-16')	1404M01-008A	A80837.D	15:35
09	MW-7 (DUP1)	1404M01-009A	A80838.D	16:04

COMMENTS: _____

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK050114

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS164

Matrix: (soil/water) SOIL Lab Sample ID: VBLK050114

Sample wt/vol: 5 (g/mL) g Lab File ID: A80823.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 05/01/14

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	4	JZ
75-15-0	Carbon disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene chloride	2	J
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS164

Lab File ID: A80899.D BFB Injection Date: 05/05/14

Instrument ID: HP5971 BFB Injection Time: 7:45

GC Column: Rtx-624 ID: .18 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.3
75	30.0 - 60.0% of mass 95	49.3
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	68.7
175	5.0 - 9.0% of mass 174	4.9 (7.1)1
176	95.0 - 101.0% of mass 174	66.3 (96.5)1
177	5.0 - 9.0% of mass 176	4.1 (6.2)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050	VSTD050	A80901.D	05/05/14	8:34
02	VBLK050514	VBLK050514	A80902.D	05/05/14	9:29
03	LFB050514	LFB050514	A80903.D	05/05/14	9:58
04	HA-9S (0-2")	1405098-011A	A80904.D	05/05/14	10:27

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS164

Instrument ID: HP5971 Calibration Date: 05/05/14 Time: 8:34

Lab File ID: A80901.D Init. Calib. Date(s): 10/24/13 10/24/13

EPA Sample No.(VSTD050##): VSTD050 Init. Calib. Times: 13:45 16:20

Heated Purge: (Y/N) Y

GC Column: Rtx-624 ID: .18 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	2.962	1.713	0.100	-42.2	20.0
Chloromethane	3.781	3.254	0.100	-13.9	20.0
Vinyl chloride	2.808	2.893	0.100	3.0	20.0
Bromomethane	1.351	1.321	0.100	-2.2	20.0
Chloroethane	1.773	1.876	0.100	5.8	20.0
Trichlorofluoromethane	2.651	2.927	0.100	10.4	20.0
1,1-Dichloroethene	2.300	2.115	0.100	-8.1	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	2.268	2.222	0.100	-2.0	20.0
Acetone	0.453	0.669	0.100	47.8	20.0
Carbon disulfide	9.026	8.140	0.100	-9.8	20.0
Methyl Acetate	1.489	1.990	0.100	33.6	20.0
Methylene chloride	3.161	3.034	0.100	-4.0	20.0
trans-1,2-Dichloroethene	2.675	2.769	0.100	3.5	20.0
Methyl tert-butyl ether	5.699	6.665	0.100	17.0	20.0
1,1-Dichloroethane	4.509	5.165	0.200	14.6	20.0
cis-1,2-Dichloroethene	2.912	3.058	0.100	5.0	20.0
2-Butanone	0.868	1.299	0.100	49.6	20.0
Chloroform	4.059	4.594	0.200	13.2	20.0
1,1,1-Trichloroethane	0.512	0.529	0.100	3.4	20.0
Cyclohexane	0.713	0.849	0.100	19.1	20.0
Carbon tetrachloride	0.434	0.427	0.100	-1.7	20.0
Benzene	1.708	1.817	0.500	6.4	20.0
1,2-Dichloroethane	2.514	3.099	0.100	23.3	20.0
Trichloroethene	0.447	0.448	0.200	0.1	20.0
Methylcyclohexane	0.566	0.741	0.100	30.8	20.0
1,2-Dichloropropane	0.440	0.488	0.100	10.9	20.0
Bromodichloromethane	0.507	0.550	0.200	8.4	20.0
cis-1,3-Dichloropropene	0.665	0.742	0.200	11.5	20.0
4-Methyl-2-pentanone	0.404	0.521	0.100	28.9	20.0
Toluene	2.019	1.883	0.400	-6.8	20.0
trans-1,3-Dichloropropene	0.563	0.639	0.100	13.5	20.0
1,1,2-Trichloroethane	0.326	0.359	0.100	10.2	20.0
Tetrachloroethene	0.391	0.341	0.200	-12.7	20.0
2-Hexanone	0.267	0.354	0.100	32.8	20.0
Dibromochloromethane	0.369	0.391	0.100	6.0	20.0

All other compounds must meet a minimum RRF of 0.010.

7B

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS164

Instrument ID: HP5971 Calibration Date: 05/05/14 Time: 8:34

Lab File ID: A80901.D Init. Calib. Date(s): 10/24/13 10/24/13

EPA Sample No.(VSTD050##): VSTD050 Init. Calib. Times: 13:45 16:20

Heated Purge: (Y/N) Y

GC Column: Rtx-624 ID: .18 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
1,2-Dibromoethane	0.392	0.379	0.100	-3.3	20.0
Chlorobenzene	1.290	1.209	0.500	-6.3	20.0
Ethylbenzene	0.654	0.639	0.100	-2.4	20.0
Xylene (total)	0.805	0.767		-4.7	20.0
Styrene	1.373	1.227	0.300	-10.7	20.0
Bromoform	0.209	0.209	0.100	0.0	20.0
Isopropylbenzene	1.931	1.968	0.100	1.9	20.0
1,1,2,2-Tetrachloroethane	0.484	0.498	0.300	3.0	20.0
1,3-Dichlorobenzene	0.929	0.864	0.600	-7.0	20.0
1,4-Dichlorobenzene	0.937	0.879	0.500	-6.2	20.0
1,2-Dichlorobenzene	0.845	0.795	0.400	-5.9	20.0
1,2-Dibromo-3-chloropropane	0.061	0.066	0.050	8.8	20.0
1,2,4-Trichlorobenzene	0.303	0.375	0.200	23.7	20.0

All other compounds must meet a minimum RRF of 0.010.

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS164

Lab File ID: G24815A.D BFB Injection Date: 05/02/14

Instrument ID: HP5972-2 BFB Injection Time: 10:34

GC Column: Rtx-624 ID: .18 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.2
75	30.0 - 60.0% of mass 95	44.1
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	85.0
175	5.0 - 9.0% of mass 174	6.2 (7.3)1
176	95.0 - 101.0% of mass 174	82.9 (97.5)1
177	5.0 - 9.0% of mass 176	5.5 (6.6)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VBLK050214	VBLK050214	G24818A.D	05/02/14	12:01
02	LFB050214	LFB050214	G24819A.D	05/02/14	12:28
03	EQMT BLK1	1404M01-010A	G24825.D	05/02/14	15:17

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS164

Instrument ID: HP5972-2 Calibration Date: 05/02/14 Time: 10:34

Lab File ID: G24815.D Init. Calib. Date(s): 04/01/14 04/01/14

EPA Sample No.(VSTD050##): VSTD050 Init. Calib. Times: 16:32 19:46

Heated Purge: (Y/N) N

GC Column: Rtx-624 ID: .18 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	1.604	0.454	0.100	-71.7	20.0
Chloromethane	1.623	1.001	0.100	-38.3	20.0
Vinyl chloride	1.184	0.858	0.100	-27.5	20.0
Bromomethane	0.834	0.619	0.100	-25.8	20.0
Chloroethane	0.575	0.529	0.100	-8.1	20.0
Trichlorofluoromethane	1.587	1.459	0.100	-8.1	20.0
1,1-Dichloroethene	1.399	1.119	0.100	-20.0	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.426	1.152	0.100	-19.2	20.0
Acetone	0.590	0.450	0.100	-23.8	20.0
Carbon disulfide	4.878	3.760	0.100	-22.9	20.0
Methyl Acetate	1.639	1.239	0.100	-24.4	20.0
Methylene chloride	1.838	1.603	0.100	-12.8	20.0
trans-1,2-Dichloroethene	1.646	1.437	0.100	-12.7	20.0
Methyl tert-butyl ether	4.426	4.251	0.100	-4.0	20.0
1,1-Dichloroethane	2.702	2.653	0.200	-1.8	20.0
cis-1,2-Dichloroethene	1.862	1.699	0.100	-8.8	20.0
2-Butanone	0.947	0.903	0.100	-4.7	20.0
Chloroform	2.575	2.392	0.200	-7.1	20.0
1,1,1-Trichloroethane	0.378	0.367	0.100	-3.0	20.0
Cyclohexane	0.404	0.387	0.100	-4.2	20.0
Carbon tetrachloride	0.310	0.326	0.100	5.1	20.0
Benzene	1.052	1.047	0.500	-0.5	20.0
1,2-Dichloroethane	2.109	2.086	0.100	-1.1	20.0
Trichloroethene	0.319	0.367	0.200	15.1	20.0
Methylcyclohexane	0.310	0.294	0.100	-5.1	20.0
1,2-Dichloropropane	0.287	0.302	0.100	5.2	20.0
Bromodichloromethane	0.410	0.406	0.200	-1.0	20.0
cis-1,3-Dichloropropene	0.462	0.449	0.200	-2.9	20.0
4-Methyl-2-pentanone	0.429	0.445	0.100	3.7	20.0
Toluene	1.254	1.194	0.400	-4.8	20.0
trans-1,3-Dichloropropene	0.435	0.428	0.100	-1.7	20.0
1,1,2-Trichloroethane	0.281	0.274	0.100	-2.3	20.0
Tetrachloroethene	0.269	0.265	0.200	-1.4	20.0
2-Hexanone	0.300	0.318	0.100	5.9	20.0
Dibromochloromethane	0.327	0.370	0.100	13.3	20.0

All other compounds must meet a minimum RRF of 0.010.

7B

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS164

Instrument ID: HP5972-2 Calibration Date: 05/02/14 Time: 10:34

Lab File ID: G24815.D Init. Calib. Date(s): 04/01/14 04/01/14

EPA Sample No.(VSTD050##): VSTD050 Init. Calib. Times: 16:32 19:46

Heated Purge: (Y/N) N

GC Column: Rtx-624 ID: .18 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
1,2-Dibromoethane	0.363	0.338	0.100	-6.9	20.0
Chlorobenzene	0.920	0.909	0.500	-1.2	20.0
Ethylbenzene	0.434	0.422	0.100	-2.7	20.0
Xylene (total)	0.528	0.521		-1.3	20.0
Styrene	0.882	0.879	0.300	-0.4	20.0
Bromoform	0.210	0.230	0.100	9.7	20.0
Isopropylbenzene	1.207	1.187	0.100	-1.7	20.0
1,1,2,2-Tetrachloroethane	0.392	0.342	0.300	-12.8	20.0
1,3-Dichlorobenzene	0.646	0.684	0.600	5.8	20.0
1,4-Dichlorobenzene	0.674	0.714	0.500	6.0	20.0
1,2-Dichlorobenzene	0.632	0.658	0.400	4.1	20.0
1,2-Dibromo-3-chloropropane	0.056	0.047	0.050	-16.5	20.0
1,2,4-Trichlorobenzene	0.163	0.129	0.200	-21.0	20.0

All other compounds must meet a minimum RRF of 0.010.

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS164

Lab File ID: A80820.D BFB Injection Date: 05/01/14

Instrument ID: HP5971 BFB Injection Time: 7:22

GC Column: Rtx-624 ID: .18 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.9
75	30.0 - 60.0% of mass 95	49.0
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	66.3
175	5.0 - 9.0% of mass 174	4.5 (6.8)1
176	95.0 - 101.0% of mass 174	63.4 (95.7)1
177	5.0 - 9.0% of mass 176	3.9 (6.2)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050	VSTD050	A80822.D	05/01/14	8:10
02	VBLK050114	VBLK050114	A80823.D	05/01/14	8:49
03	LFB050114	LFB050114	A80824.D	05/01/14	9:18
04	MW-7 (0-2')	1404M01-001A	A80828.D	05/01/14	11:14
05	MW-7 (2-4')	1404M01-002A	A80831.D	05/01/14	12:41
06	MW-7 (4-6')	1404M01-003A	A80832.D	05/01/14	13:10
07	MW-7 (6-8')	1404M01-004A	A80833.D	05/01/14	13:39
08	MW-7 (10-12')	1404M01-006A	A80835.D	05/01/14	14:37
09	MW-7 (12-14')	1404M01-007A	A80836.D	05/01/14	15:06
10	MW-7 (14-16')	1404M01-008A	A80837.D	05/01/14	15:35
11	MW-7 (DUP1)	1404M01-009A	A80838.D	05/01/14	16:04

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS164

Instrument ID: HP5971 Calibration Date: 05/01/14 Time: 8:10

Lab File ID: A80822.D Init. Calib. Date(s): 10/24/13 10/24/13

EPA Sample No.(VSTD050##): VSTD050 Init. Calib. Times: 13:45 16:20

Heated Purge: (Y/N) Y

GC Column: Rtx-624 ID: .18 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	2.962	1.680	0.100	-43.3	20.0
Chloromethane	3.781	3.176	0.100	-16.0	20.0
Vinyl chloride	2.808	2.782	0.100	-0.9	20.0
Bromomethane	1.351	1.301	0.100	-3.7	20.0
Chloroethane	1.773	1.804	0.100	1.7	20.0
Trichlorofluoromethane	2.651	2.727	0.100	2.9	20.0
1,1-Dichloroethene	2.300	1.987	0.100	-13.6	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	2.268	2.021	0.100	-10.9	20.0
Acetone	0.453	0.703	0.100	55.4	20.0
Carbon disulfide	9.026	7.823	0.100	-13.3	20.0
Methyl Acetate	1.489	1.763	0.100	18.4	20.0
Methylene chloride	3.161	2.973	0.100	-5.9	20.0
trans-1,2-Dichloroethene	2.675	2.679	0.100	0.1	20.0
Methyl tert-butyl ether	5.699	6.284	0.100	10.3	20.0
1,1-Dichloroethane	4.509	4.907	0.200	8.8	20.0
cis-1,2-Dichloroethene	2.912	2.900	0.100	-0.4	20.0
2-Butanone	0.868	1.245	0.100	43.4	20.0
Chloroform	4.059	4.302	0.200	6.0	20.0
1,1,1-Trichloroethane	0.512	0.509	0.100	-0.5	20.0
Cyclohexane	0.713	0.783	0.100	9.8	20.0
Carbon tetrachloride	0.434	0.398	0.100	-8.4	20.0
Benzene	1.708	1.737	0.500	1.7	20.0
1,2-Dichloroethane	2.514	2.860	0.100	13.8	20.0
Trichloroethene	0.447	0.429	0.200	-4.1	20.0
Methylcyclohexane	0.566	0.693	0.100	22.4	20.0
1,2-Dichloropropane	0.440	0.469	0.100	6.6	20.0
Bromodichloromethane	0.507	0.529	0.200	4.2	20.0
cis-1,3-Dichloropropene	0.665	0.702	0.200	5.5	20.0
4-Methyl-2-pentanone	0.404	0.525	0.100	29.9	20.0
Toluene	2.019	1.906	0.400	-5.6	20.0
trans-1,3-Dichloropropene	0.563	0.610	0.100	8.3	20.0
1,1,2-Trichloroethane	0.326	0.344	0.100	5.6	20.0
Tetrachloroethene	0.391	0.340	0.200	-13.0	20.0
2-Hexanone	0.267	0.347	0.100	30.1	20.0
Dibromochloromethane	0.369	0.361	0.100	-2.2	20.0

All other compounds must meet a minimum RRF of 0.010.

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS164

Lab File ID: A80878.D BFB Injection Date: 05/02/14

Instrument ID: HP5971 BFB Injection Time: 16:15

GC Column: Rtx-624 ID: .18 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.0
75	30.0 - 60.0% of mass 95	46.9
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	69.3
175	5.0 - 9.0% of mass 174	4.6 (6.6)1
176	95.0 - 101.0% of mass 174	67.0 (96.7)1
177	5.0 - 9.0% of mass 176	4.4 (6.5)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VBLK050214A	VBLK050214	A80879.D	05/02/14	16:44
02	LFB050214A	LFB050214	A80880.D	05/02/14	17:13
03	MW-7 (8-10')	1404M01-005A	A80881.D	05/02/14	17:42
04	HA-6S (0-2")	1405098-001A	A80886.D	05/02/14	20:07
05	HA-6 (0-2')	1405098-002A	A80887.D	05/02/14	20:36
06	HA-6 (2-4')	1405098-003A	A80888.D	05/02/14	21:05
07	HA-7S (0-2")	1405098-004A	A80889.D	05/02/14	21:34
08	HA-7S (0-2")MS	1405098-004AMS	A80890.D	05/02/14	22:03
09	HA-7S (0-2")MSD	1405098-004AMSD	A80891.D	05/02/14	22:32
10	HA-7 (0-2')	1405098-005A	A80892.D	05/02/14	23:01
11	HA-7 (2-4')	1405098-006A	A80893.D	05/02/14	23:30
12	HA-DUP1	1405098-007A	A80894.D	05/02/14	23:59
13	HA-8S (0-2")	1405098-008A	A80895.D	05/03/14	0:28
14	HA-8 (0-2')	1405098-009A	A80896.D	05/03/14	0:57
15	HA-8 (2-4')	1405098-010A	A80897.D	05/03/14	1:26

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS164

Instrument ID: HP5971 Calibration Date: 05/02/14 Time: 16:15

Lab File ID: A80878.D Init. Calib. Date(s): 10/24/13 10/24/13

EPA Sample No.(VSTD050##): VSTD050 Init. Calib. Times: 13:45 16:20

Heated Purge: (Y/N) Y

GC Column: Rtx-624 ID: .18 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	2.962	1.635	0.100	-44.8	20.0
Chloromethane	3.781	3.359	0.100	-11.2	20.0
Vinyl chloride	2.808	2.805	0.100	-0.1	20.0
Bromomethane	1.351	1.249	0.100	-7.5	20.0
Chloroethane	1.773	1.861	0.100	4.9	20.0
Trichlorofluoromethane	2.651	2.762	0.100	4.2	20.0
1,1-Dichloroethene	2.300	2.000	0.100	-13.1	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	2.268	2.054	0.100	-9.4	20.0
Acetone	0.453	0.731	0.100	61.5	20.0
Carbon disulfide	9.026	7.819	0.100	-13.4	20.0
Methyl Acetate	1.489	1.922	0.100	29.1	20.0
Methylene chloride	3.161	3.008	0.100	-4.8	20.0
trans-1,2-Dichloroethene	2.675	2.637	0.100	-1.4	20.0
Methyl tert-butyl ether	5.699	6.403	0.100	12.4	20.0
1,1-Dichloroethane	4.509	5.019	0.200	11.3	20.0
cis-1,2-Dichloroethene	2.912	3.045	0.100	4.6	20.0
2-Butanone	0.868	1.316	0.100	51.6	20.0
Chloroform	4.059	4.406	0.200	8.5	20.0
1,1,1-Trichloroethane	0.512	0.521	0.100	1.8	20.0
Cyclohexane	0.713	0.831	0.100	16.5	20.0
Carbon tetrachloride	0.434	0.417	0.100	-4.0	20.0
Benzene	1.708	1.816	0.500	6.3	20.0
1,2-Dichloroethane	2.514	3.021	0.100	20.2	20.0
Trichloroethene	0.447	0.449	0.200	0.4	20.0
Methylcyclohexane	0.566	0.739	0.100	30.5	20.0
1,2-Dichloropropane	0.440	0.502	0.100	14.0	20.0
Bromodichloromethane	0.507	0.554	0.200	9.2	20.0
cis-1,3-Dichloropropene	0.665	0.735	0.200	10.5	20.0
4-Methyl-2-pentanone	0.404	0.575	0.100	42.3	20.0
Toluene	2.019	1.973	0.400	-2.3	20.0
trans-1,3-Dichloropropene	0.563	0.633	0.100	12.4	20.0
1,1,2-Trichloroethane	0.326	0.370	0.100	13.6	20.0
Tetrachloroethene	0.391	0.344	0.200	-12.0	20.0
2-Hexanone	0.267	0.390	0.100	46.3	20.0
Dibromochloromethane	0.369	0.389	0.100	5.4	20.0

All other compounds must meet a minimum RRF of 0.010.

4B

EPA SAMPLE NO.

SEMIVOLATILE METHOD BLANK SUMMARY

MB-44515

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS164

Lab File ID: R22275.D Lab Sample ID: MB-44515

Instrument ID: HP5973R Date Extracted: 05/13/14

Matrix: (soil/water) SOIL Date Analyzed: 05/16/14

Level: (low/med) LOW Time Analyzed: 16:50

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
1	LFB-44515	LFB-44515	R22276.D	5/16/2014
2	HA-6 (2-4')	1405098-003B	R22277.D	5/16/2014
3	HA-7S (0-2")	1405098-004B	R22278.D	5/16/2014
4	HA-7S (0-2")MS	1405098-004BMS	R22279.D	5/16/2014
5	HA-7S (0-2")MSD	1405098-004BMSD	R22280.D	5/16/2014
6	HA-7 (0-2')	1405098-005B	R22281.D	5/16/2014
7	HA-7 (2-4')	1405098-006B	R22282.D	5/16/2014
8	HA-DUP1	1405098-007B	R22283.D	5/16/2014
9	HA-8S (0-2")	1405098-008B	R22284.D	5/16/2014
10	HA-8 (0-2')	1405098-009B	R22285.D	5/16/2014
11	HA-8 (2-4')	1405098-010B	R22286.D	5/16/2014
12	HA-9S (0-2")	1405098-011B	R22287.D	5/16/2014
13	HA-6 (0-2')	1405098-002B	R22293.D	5/17/2014
14	HA-6S (0-2")	1405098-001B	R22294.D	5/17/2014

COMMENTS: _____

1G

EPA SAMPLE NO.

MB-44515

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: PACE ANALYTICAL Contract: ____

Lab Code: 10478 Case No.: URS SAS No.: ____ SDG No.: URS164

Matrix: (soil/water) SOIL Lab Sample ID: MB-44515

Sample wt/vol: 15 (g/mL) g Lab File ID: R22275.D

Level: (low/med) LOW Date Received:

% Moisture: Decanted:(Y/N) N Date Extracted: 05/13/14

Concentrated Extract Volume: 1000 (µl) Date Analyzed: 05/16/14

Injection Volume: 2 (µl) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

Number TICs found: 5 CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1. 625-86-5	Furan, 2,5-dimethyl-	2.33	490	JN
2. 123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.44	52000	AJN
3.	unknown	4.02	160	J
4. 556-67-2	Cyclotetrasiloxane, octamethyl-	4.20	310	JNX
5. 541-02-6	Cyclopentasiloxane, decamethyl-	5.42	190	JNX

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

MB-44417

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS164

Lab File ID: N65549.D Lab Sample ID: MB-44417

Instrument ID: HP5973N Date Extracted: 05/07/14

Matrix: (soil/water) SOIL Date Analyzed: 05/09/14

Level: (low/med) LOW Time Analyzed: 19:36

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
1	LFB-44417	LFB-44417	N65550.D	5/9/2014
2	MW-7 (0-2')	1404M01-001B	N65575.D	5/10/2014
3	MW-7 (2-4')	1404M01-002B	N65576.D	5/10/2014
4	MW-7 (4-6')	1404M01-003B	N65577.D	5/10/2014
5	MW-7 (6-8')	1404M01-004B	N65578.D	5/10/2014
6	MW-7 (8-10')	1404M01-005B	N65579.D	5/10/2014
7	MW-7 (10-12')	1404M01-006B	N65580.D	5/10/2014
8	MW-7 (12-14')	1404M01-007B	N65581.D	5/10/2014
9	MW-7 (14-16')	1404M01-008B	N65582.D	5/10/2014
10	MW-7 (DUP1)	1404M01-009B	N65583.D	5/10/2014

COMMENTS: _____

1G

EPA SAMPLE NO.

MB-44417

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS164

Matrix: (soil/water) SOIL Lab Sample ID: MB-44417

Sample wt/vol: 15 (g/mL) g Lab File ID: N65549.D

Level: (low/med) LOW Date Received:

% Moisture: Decanted:(Y/N) N Date Extracted: 05/07/14

Concentrated Extract Volume: 1000 (µl) Date Analyzed: 05/09/14

Injection Volume: 2 (µl) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: Extraction: (Type) PFEX

CONCENTRATION UNITS:

Number TICs found: 5 (µg/L or µg/Kg) µg/kg

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1. 123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	4.05	11000	AJN
2.	unknown (4.63)	4.63	510	J
3.	unknown (4.76)	4.76	130	J
4.	unknown (4.87)	4.87	760	J
5.	unknown (15.86)	15.86	150	J

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS164

Lab File ID: R21998.D DFTPP Injection Date: 05/06/14

Instrument ID: HP5973R DFTPP Injection Time: 17:36

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	38.5
68	Less than 2% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	47.9
70	Less than 2% of mass 69	0.3 (0.5)1
127	40.0 - 60.0% of mass 198	53.8
197	Less than 1% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5.0 - 9.0% of mass 198	6.8
275	10.0 - 30.0% of mass 198	23.9
365	Greater than 1% of mass 198	2.4
441	Present, but less than mass 443	7.5
442	40.0 - 110.0% of mass 198	49.2
443	17.0 - 23.0% of mass 442	9.5 (19.4)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD025	SSTD025	R21999.D	05/06/14	17:56
02	MB-44358	MB-44358	R22000.D	05/06/14	18:28
03	LFB-44358	LFB-44358	R22001.D	05/06/14	18:57
04	EQMT BLK1	1404M01-010B	R22003.D	05/06/14	19:56

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS164

Instrument ID: HP5973R Calibration Date: 5/6/2014 Time: 17:56

Lab File ID: R21999.D Init. Calib. Date(s): 03/24/14 03/24/14

EPA Sample No.(SSTD050##): SSTD025 Init. Calib. Times: 4:05 7:00

GC Column: R-5SILMS ID: .25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Benzaldehyde	0.955	0.334	0.010	-65.0	20.0
Phenol	1.777	1.630	0.800	-8.3	20.0
Bis(2-chloroethyl)ether	1.364	0.986	0.700	-27.7	20.0
2-Chlorophenol	1.297	1.313	0.800	1.2	20.0
2-Methylphenol	1.204	1.068	0.700	-11.3	20.0
2,2'-oxybis(1-chloropropane)	1.525	1.069	0.010	-29.9	20.0
Acetophenone	1.742	1.806	0.010	3.7	20.0
4-Methylphenol	1.251	1.211	0.600	-3.2	20.0
N-Nitroso-di-n-propylamine	1.016	0.840	0.500	-17.3	20.0
Hexachloroethane	0.625	0.661	0.300	5.8	20.0
Nitrobenzene	0.378	0.359	0.200	-5.0	20.0
Isophorone	0.726	0.600	0.400	-17.4	20.0
2-Nitrophenol	0.172	0.192	0.100	11.9	20.0
2,4-Dimethylphenol	0.353	0.388	0.200	10.0	20.0
Bis(2-chloroethoxy)methane	0.446	0.333	0.300	-25.4	20.0
2,4-Dichlorophenol	0.311	0.309	0.200	-0.8	20.0
Naphthalene	0.976	1.020	0.700	4.5	20.0
4-Chloroaniline	0.439	0.439	0.010	0.1	20.0
Hexachlorobutadiene	0.237	0.231	0.010	-2.4	20.0
Caprolactam	0.105	0.087	0.010	-17.0	20.0
4-Chloro-3-methylphenol	0.283	0.331	0.200	16.9	20.0
2-Methylnaphthalene	0.685	0.697	0.400	1.7	20.0
Hexachlorocyclopentadiene	0.396	0.135	0.050	-65.9	20.0
2,4,6-Trichlorophenol	0.382	0.345	0.200	-9.7	20.0
2,4,5-Trichlorophenol	0.406	0.353	0.200	-13.1	20.0
1,1'-Biphenyl	1.298	1.360	0.010	4.8	20.0
2-Chloronaphthalene	1.081	1.107	0.800	2.4	20.0
2-Nitroaniline	0.332	0.314	0.010	-5.3	20.0
Dimethylphthalate	1.243	1.326	0.010	6.7	20.0
2,6-Dinitrotoluene	0.261	0.282	0.200	7.9	20.0
Acenaphthylene	1.651	1.684	0.900	2.0	20.0
3-Nitroaniline	0.273	0.301	0.010	10.2	20.0
Acenaphthene	1.039	1.110	0.900	6.8	20.0
2,4-Dinitrophenol	0.100	0.053	0.010	-46.9	20.0
4-Nitrophenol	0.129	0.210	0.010	63.1	20.0
Dibenzofuran	1.526	1.544	0.800	1.2	20.0
2,4-Dinitrotoluene	0.319	0.404	0.200	26.6	20.0
Diethylphthalate	1.224	1.385	0.010	13.2	20.0

All other compounds must meet a minimum RRF of 0.010.

7D

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS164

Instrument ID: HP5973R Calibration Date: 5/6/2014 Time: 17:56

Lab File ID: R21999.D Init. Calib. Date(s): 03/24/14 03/24/14

EPA Sample No. (SSTD050##): SSTD025 Init. Calib. Times: 4:05 7:00

GC Column: R-5SILMS ID: .25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Fluorene	1.233	1.273	0.900	3.3	20.0
4-Chlorophenyl-phenylether	0.651	0.607	0.400	-6.8	20.0
4-Nitroaniline	0.263	0.278	0.010	5.8	20.0
4,6-Dinitro-2-methylphenol	0.099	0.074	0.010	-25.0	20.0
N-Nitrosodiphenylamine	0.610	0.647	0.010	6.0	20.0
4-Bromophenyl-phenylether	0.234	0.225	0.100	-4.0	20.0
Hexachlorobenzene	0.247	0.241	0.100	-2.4	20.0
Atrazine	0.187	0.194	0.010	3.8	20.0
Pentachlorophenol	0.155	0.035	0.050	-77.4	20.0
Phenanthrene	1.030	1.073	0.700	4.1	20.0
Anthracene	1.066	1.094	0.700	2.7	20.0
Carbazole	0.982	1.041	0.010	6.0	20.0
Di-n-butyl phthalate	1.274	1.460	0.010	14.6	20.0
Fluoranthene	1.264	1.270	0.600	0.5	20.0
Pyrene	1.099	1.115	0.600	1.4	20.0
Butyl benzyl phthalate	0.505	0.596	0.010	18.1	20.0
3,3'-Dichlorobenzidine	0.364	0.352	0.010	-3.4	20.0
Benzo(a)anthracene	1.116	1.111	0.800	-0.5	20.0
Chrysene	0.978	1.020	0.700	4.3	20.0
Bis(2-ethylhexyl)phthalate	0.730	0.914	0.010	25.2	20.0
Di-n-octyl phthalate	1.384	1.638	0.010	18.3	20.0
Benzo(b)fluoranthene	1.445	1.400	0.700	-3.1	20.0
Benzo(k)fluoranthene	0.968	0.954	0.700	-1.4	20.0
Benzo(a)pyrene	1.138	1.110	0.700	-2.5	20.0
Indeno(1,2,3-cd)pyrene	1.261	1.275	0.500	1.1	20.0
Dibenzo(a,h)anthracene	1.065	1.084	0.400	1.7	20.0
Benzo(g,h,i)perylene	1.035	1.024	0.500	-1.1	20.0

All other compounds must meet a minimum RRF of 0.010.

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS164

Lab File ID: N65571.D DFTPP Injection Date: 05/10/14

Instrument ID: HP5973N DFTPP Injection Time: 14:00

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	30.4
68	Less than 2% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	33.1
70	Less than 2% of mass 69	0.2 (0.6)1
127	40.0 - 60.0% of mass 198	43.9
197	Less than 1% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5.0 - 9.0% of mass 198	7.0
275	10.0 - 30.0% of mass 198	24.1
365	Greater than 1% of mass 198	2.8
441	Present, but less than mass 443	11.4
442	40.0 - 110.0% of mass 198	73.6
443	17.0 - 23.0% of mass 442	14.0 (19.0)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD025	SSTD025	N65573R.D	05/10/14	14:52
02	MW-7 (0-2')	1404M01-001B	N65575.D	05/10/14	15:54
03	MW-7 (2-4')	1404M01-002B	N65576.D	05/10/14	16:25
04	MW-7 (4-6')	1404M01-003B	N65577.D	05/10/14	16:56
05	MW-7 (6-8')	1404M01-004B	N65578.D	05/10/14	17:27
06	MW-7 (8-10')	1404M01-005B	N65579.D	05/10/14	17:58
07	MW-7 (10-12')	1404M01-006B	N65580.D	05/10/14	18:29
08	MW-7 (12-14')	1404M01-007B	N65581.D	05/10/14	19:00
09	MW-7 (14-16')	1404M01-008B	N65582.D	05/10/14	19:31
10	MW-7 (DUP1)	1404M01-009B	N65583.D	05/10/14	20:02

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS164

Instrument ID: HP5973N Calibration Date: 5/10/2014 Time: 14:52

Lab File ID: N65573R.D Init. Calib. Date(s): 05/07/14 05/07/14

EPA Sample No.(SSTD050##): SSTD025 Init. Calib. Times: 11:40 15:35

GC Column: Rxi-5SILMS ID: 0.25 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Benzaldehyde	0.873	0.617	0.010	-29.4	20.0
Phenol	1.729	1.589	0.800	-8.1	20.0
Bis(2-chloroethyl)ether	1.416	1.243	0.700	-12.2	20.0
2-Chlorophenol	1.390	1.268	0.800	-8.8	20.0
2-Methylphenol	1.190	1.110	0.700	-6.8	20.0
2,2'-oxybis(1-chloropropane)	1.959	1.608	0.010	-17.9	20.0
Acetophenone	1.774	1.557	0.010	-12.2	20.0
4-Methylphenol	1.346	1.229	0.600	-8.7	20.0
N-Nitroso-di-n-propylamine	0.967	0.786	0.500	-18.7	20.0
Hexachloroethane	0.627	0.543	0.300	-13.4	20.0
Nitrobenzene	0.383	0.343	0.200	-10.3	20.0
Isophorone	0.669	0.626	0.400	-6.5	20.0
2-Nitrophenol	0.189	0.205	0.100	8.5	20.0
2,4-Dimethylphenol	0.348	0.337	0.200	-3.1	20.0
Bis(2-chloroethoxy)methane	0.406	0.381	0.300	-6.2	20.0
2,4-Dichlorophenol	0.278	0.311	0.200	11.9	20.0
Naphthalene	1.081	1.053	0.700	-2.6	20.0
4-Chloroaniline	0.425	0.432	0.010	1.7	20.0
Hexachlorobutadiene	0.184	0.216	0.010	17.6	20.0
Caprolactam	0.100	0.102	0.010	2.4	20.0
4-Chloro-3-methylphenol	0.263	0.271	0.200	3.1	20.0
2-Methylnaphthalene	0.704	0.732	0.400	4.0	20.0
Hexachlorocyclopentadiene	0.282	0.320	0.050	13.5	20.0
2,4,6-Trichlorophenol	0.344	0.368	0.200	7.1	20.0
2,4,5-Trichlorophenol	0.345	0.387	0.200	12.3	20.0
1,1'-Biphenyl	1.641	1.504	0.010	-8.3	20.0
2-Chloronaphthalene	1.263	1.170	0.800	-7.4	20.0
2-Nitroaniline	0.359	0.263	0.010	-26.6	20.0
Dimethylphthalate	1.210	1.205	0.010	-0.4	20.0
2,6-Dinitrotoluene	0.270	0.290	0.200	7.3	20.0
Acenaphthylene	1.958	1.883	0.900	-3.8	20.0
3-Nitroaniline	0.305	0.307	0.010	0.5	20.0
Acenaphthene	1.288	1.198	0.900	-7.0	20.0
2,4-Dinitrophenol	0.082	0.112	0.010	36.7	20.0
4-Nitrophenol	0.157	0.110	0.010	-29.8	20.0
Dibenzofuran	1.616	1.610	0.800	-0.4	20.0
2,4-Dinitrotoluene	0.360	0.381	0.200	6.0	20.0
Diethylphthalate	1.252	1.159	0.010	-7.4	20.0

All other compounds must meet a minimum RRF of 0.010.

7D

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS164

Instrument ID: HP5973N Calibration Date: 5/10/2014 Time: 14:52

Lab File ID: N65573R.D Init. Calib. Date(s): 05/07/14 05/07/14

EPA Sample No.(SSTD050##): SSTD025 Init. Calib. Times: 11:40 15:35

GC Column: Rxi-5SILMS ID: 0.25 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Fluorene	1.382	1.361	0.900	-1.5	20.0
4-Chlorophenyl-phenylether	0.604	0.641	0.400	6.1	20.0
4-Nitroaniline	0.287	0.292	0.010	1.8	20.0
4,6-Dinitro-2-methylphenol	0.094	0.121	0.010	28.9	20.0
N-Nitrosodiphenylamine	0.707	0.688	0.010	-2.7	20.0
4-Bromophenyl-phenylether	0.238	0.250	0.100	5.2	20.0
Hexachlorobenzene	0.277	0.290	0.100	4.6	20.0
Atrazine	0.162	0.183	0.010	13.3	20.0
Pentachlorophenol	0.134	0.129	0.050	-3.5	20.0
Phenanthrene	1.266	1.168	0.700	-7.7	20.0
Anthracene	1.234	1.192	0.700	-3.4	20.0
Carbazole	1.021	1.048	0.010	2.7	20.0
Di-n-butyl phthalate	1.433	1.221	0.010	-14.8	20.0
Fluoranthene	1.261	1.274	0.600	1.0	20.0
Pyrene	1.227	1.247	0.600	1.6	20.0
Butyl benzyl phthalate	0.629	0.506	0.010	-19.6	20.0
3,3´-Dichlorobenzidine	0.386	0.404	0.010	4.6	20.0
Benzo(a)anthracene	1.154	1.148	0.800	-0.5	20.0
Chrysene	1.002	1.037	0.700	3.5	20.0
Bis(2-ethylhexyl)phthalate	0.909	0.704	0.010	-22.6	20.0
Di-n-octyl phthalate	1.889	1.342	0.010	-29.0	20.0
Benzo(b)fluoranthene	1.471	1.415	0.700	-3.8	20.0
Benzo(k)fluoranthene	1.292	1.126	0.700	-12.9	20.0
Benzo(a)pyrene	1.180	1.179	0.700	-0.1	20.0
Indeno(1,2,3-cd)pyrene	1.200	1.288	0.500	7.4	20.0
Dibenzo(a,h)anthracene	0.998	1.079	0.400	8.1	20.0
Benzo(g,h,i)perylene	0.901	1.093	0.500	21.3	20.0

All other compounds must meet a minimum RRF of 0.010.

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS164

Lab File ID: R22273.D DFTPP Injection Date: 05/16/14

Instrument ID: HP5973R DFTPP Injection Time: 16:01

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	41.8
68	Less than 2% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	50.6
70	Less than 2% of mass 69	0.2 (0.3)1
127	40.0 - 60.0% of mass 198	53.1
197	Less than 1% of mass 198	0.2
198	Base peak, 100% relative abundance	100.0
199	5.0 - 9.0% of mass 198	7.0
275	10.0 - 30.0% of mass 198	25.2
365	Greater than 1% of mass 198	3.0
441	Present, but less than mass 443	7.0
442	40.0 - 110.0% of mass 198	51.0
443	17.0 - 23.0% of mass 442	10.3 (20.2)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD025	SSTD025	R22274.D	05/16/14	16:21
02	MB-44515	MB-44515	R22275.D	05/16/14	16:50
03	LFB-44515	LFB-44515	R22276.D	05/16/14	17:20
04	HA-6 (2-4')	1405098-003B	R22277.D	05/16/14	17:49
05	HA-7S (0-2")	1405098-004B	R22278.D	05/16/14	18:19
06	HA-7S (0-2")MS	1405098-004BMS	R22279.D	05/16/14	18:48
07	HA-7S (0-2")MSD	1405098-004BMSD	R22280.D	05/16/14	19:17
08	HA-7 (0-2')	1405098-005B	R22281.D	05/16/14	19:47
09	HA-7 (2-4')	1405098-006B	R22282.D	05/16/14	20:16
10	HA-DUP1	1405098-007B	R22283.D	05/16/14	20:45
11	HA-8S (0-2")	1405098-008B	R22284.D	05/16/14	21:13
12	HA-8 (0-2')	1405098-009B	R22285.D	05/16/14	21:43
13	HA-8 (2-4')	1405098-010B	R22286.D	05/16/14	22:12
14	HA-9S (0-2")	1405098-011B	R22287.D	05/16/14	22:41
15	HA-6 (0-2')	1405098-002B	R22293.D	05/17/14	1:33
16	HA-6S (0-2")	1405098-001B	R22294.D	05/17/14	2:02

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS164

Instrument ID: HP5973R Calibration Date: 5/16/2014 Time: 16:21

Lab File ID: R22274.D Init. Calib. Date(s): 05/13/14 05/13/14

EPA Sample No.(SSTD050##): SSTD025 Init. Calib. Times: 0:37 3:44

GC Column: R-5SILMS ID: .25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Benzaldehyde	0.762	0.647	0.010	-15.1	20.0
Phenol	1.327	1.392	0.800	4.9	20.0
Bis(2-chloroethyl)ether	0.977	1.013	0.700	3.6	20.0
2-Chlorophenol	1.313	1.370	0.800	4.4	20.0
2-Methylphenol	1.028	1.114	0.700	8.3	20.0
2,2´-oxybis(1-chloropropane)	1.029	1.056	0.010	2.6	20.0
Acetophenone	1.695	1.729	0.010	2.0	20.0
4-Methylphenol	1.052	1.098	0.600	4.3	20.0
N-Nitroso-di-n-propylamine	0.822	0.852	0.500	3.7	20.0
Hexachloroethane	0.684	0.705	0.300	3.1	20.0
Nitrobenzene	0.358	0.369	0.200	3.0	20.0
Isophorone	0.587	0.606	0.400	3.2	20.0
2-Nitrophenol	0.191	0.197	0.100	3.3	20.0
2,4-Dimethylphenol	0.407	0.396	0.200	-2.8	20.0
Bis(2-chloroethoxy)methane	0.337	0.346	0.300	2.6	20.0
2,4-Dichlorophenol	0.316	0.325	0.200	2.7	20.0
Naphthalene	1.070	1.074	0.700	0.4	20.0
4-Chloroaniline	0.452	0.457	0.010	1.0	20.0
Hexachlorobutadiene	0.266	0.260	0.010	-2.4	20.0
Caprolactam	0.082	0.085	0.010	3.7	20.0
4-Chloro-3-methylphenol	0.311	0.334	0.200	7.3	20.0
2-Methylnaphthalene	0.782	0.754	0.400	-3.6	20.0
Hexachlorocyclopentadiene	0.332	0.368	0.050	10.9	20.0
2,4,6-Trichlorophenol	0.328	0.363	0.200	10.8	20.0
2,4,5-Trichlorophenol	0.329	0.352	0.200	6.8	20.0
1,1´-Biphenyl	1.486	1.454	0.010	-2.1	20.0
2-Chloronaphthalene	1.113	1.208	0.800	8.6	20.0
2-Nitroaniline	0.304	0.319	0.010	4.9	20.0
Dimethylphthalate	1.395	1.359	0.010	-2.6	20.0
2,6-Dinitrotoluene	0.306	0.296	0.200	-3.3	20.0
Acenaphthylene	1.805	1.778	0.900	-1.5	20.0
3-Nitroaniline	0.299	0.301	0.010	0.8	20.0
Acenaphthene	1.192	1.141	0.900	-4.3	20.0
2,4-Dinitrophenol	0.149	0.147	0.010	-1.1	20.0
4-Nitrophenol	0.164	0.214	0.010	30.1	20.0
Dibenzofuran	1.628	1.616	0.800	-0.7	20.0
2,4-Dinitrotoluene	0.412	0.402	0.200	-2.3	20.0
Diethylphthalate	1.490	1.459	0.010	-2.1	20.0

All other compounds must meet a minimum RRF of 0.010.

7D

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS164

Instrument ID: HP5973R Calibration Date: 5/16/2014 Time: 16:21

Lab File ID: R22274.D Init. Calib. Date(s): 05/13/14 05/13/14

EPA Sample No.(SSTD050##): SSTD025 Init. Calib. Times: 0:37 3:44

GC Column: R-5SILMS ID: .25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Fluorene	1.328	1.313	0.900	-1.1	20.0
4-Chlorophenyl-phenylether	0.665	0.644	0.400	-3.2	20.0
4-Nitroaniline	0.272	0.267	0.010	-1.7	20.0
4,6-Dinitro-2-methylphenol	0.129	0.139	0.010	7.5	20.0
N-Nitrosodiphenylamine	0.653	0.670	0.010	2.6	20.0
4-Bromophenyl-phenylether	0.244	0.245	0.100	0.3	20.0
Hexachlorobenzene	0.270	0.258	0.100	-4.4	20.0
Atrazine	0.207	0.221	0.010	6.9	20.0
Pentachlorophenol	0.060	0.103	0.050	70.7	20.0
Phenanthrene	1.115	1.113	0.700	-0.2	20.0
Anthracene	1.165	1.163	0.700	-0.2	20.0
Carbazole	1.027	1.062	0.010	3.4	20.0
Di-n-butyl phthalate	1.535	1.552	0.010	1.1	20.0
Fluoranthene	1.332	1.325	0.600	-0.6	20.0
Pyrene	1.112	1.154	0.600	3.8	20.0
Butyl benzyl phthalate	0.600	0.621	0.010	3.5	20.0
3,3'-Dichlorobenzidine	0.390	0.374	0.010	-4.1	20.0
Benzo(a)anthracene	1.181	1.162	0.800	-1.6	20.0
Chrysene	1.048	1.014	0.700	-3.2	20.0
Bis(2-ethylhexyl)phthalate	0.929	0.936	0.010	0.8	20.0
Di-n-octyl phthalate	1.685	1.781	0.010	5.7	20.0
Benzo(b)fluoranthene	1.420	1.423	0.700	0.2	20.0
Benzo(k)fluoranthene	1.095	1.111	0.700	1.4	20.0
Benzo(a)pyrene	1.160	1.191	0.700	2.7	20.0
Indeno(1,2,3-cd)pyrene	1.351	1.377	0.500	1.9	20.0
Dibenzo(a,h)anthracene	1.152	1.176	0.400	2.1	20.0
Benzo(g,h,i)perylene	1.126	1.134	0.500	0.7	20.0

All other compounds must meet a minimum RRF of 0.010.

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR PESTICIDES ANALYSES
SAMPLES RECEIVED: 4/30/14 & 5/2/14
SDG #: URS164

For Sample(s):

MW-7 (0-2')	MW-7 (14-16')	HA-7 (0-2')
MW-7 (2-4')	MW-7 (DUP1)	HA-7 (2-4')
MW-7 (4-6')	EQMT BLK1	HA-DUP1
MW-7 (6-8')	HA-6S (0-2")	HA-8S (0-2")
MW-7 (8-10')	HA-6 (0-2')	HA-8 (0-2')
MW-7 (10-12')	HA-6 (2-4')	HA-8 (2-4')
MW-7 (12-14')	HA-7S (0-2")	HA-9S (0-2")

The above soil sample(s) and blank(s) was/were analyzed for a select list of pesticides by EPA method 8081B.

All Q. C. data and calibrations met the requirements of the method unless discussed below, and no problems were encountered with sample analysis. The following should be noted:

Sample HA-7S (0-2") was selected for in-house Q. C. matrix spike / matrix spike duplicate (MS/MSD) analysis and a matrix spike was analyzed for EQMT BLK1. Recovery and RPDs met the Q. C. limits. Recoveries for the lab fortified blanks (LFB) for toxaphene and the mix of single peak pesticides indicate good method efficiency.

The recovery for the surrogate DCB was above the Q. C. limit on one column for one sample due to unresolved matrix interference. Recoveries for the surrogate TCX was below the Q. C. limit in sample HA-DUP1. The sample was re-extracted outside holding times. Both sets of data are submitted.

In the continuing calibration verification INDAM04 on 5/22/14, two compounds on column RTX-CLP and four on CLP2 exceeded the variability criterion of a percent difference of 20%. No positives were found in the affected sample analysis for those analytes, but the recoveries for endrin and 4,4'-DDD in LFB-44615 are regarded estimated.

Positives are reported to the practical detection limits of ½ of the reporting limits (PQL).

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR PESTICIDES ANALYSES
SAMPLES RECEIVED: 4/30/14 & 5/2/14
SDG #: URS164

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: June 2, 2014

****
* *
* *
****
Ursula Middel
Quality Analyst

2F

SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS164

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	Other (1)	Other (2)	TOT OUT
25	HA-7 (2-4')	37	35	69	65			0
26	HA-DUP1	21 *	21 *	52	49			2
27	HA-8 (2-4')	38	45	72	67			0
28	HA-9S (0-2")	75	65	78	83			0
29	mb-44615	90	96	109	109			0
30	LFB1-44615	53	56	92	90			0
31	lfb3-44615	51	53	70	74			0
32	HA-DUP1re	76	69	89	84			0

		QC Limits
TCX	= Tetrachloro-m-xylene	(30-150)
DCB	= Decachlorobiphenyl	(30-150)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

HA-DUP1re

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS164

Lab Sample ID: 1405098-007b Date(s) Analyzed: /23/2014 /23/2014

Instrument ID (1): HP6890-3 Instrument ID (2): HP6890-3

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
beta-BHC	1	3.36 1.)	3.36	3.42	3.6	
	2	3.20	3.18	3.24	2.4	50.0

1.) marginal RT
MT 6/2/14

FORM X PEST- 1 SW8081

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

HA-9S (0-2'')

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS164

Lab Sample ID: 1405098-011B Date(s) Analyzed: /16/2014 /16/2014

Instrument ID (1): HP6890-3 Instrument ID (2): HP6890-3

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
beta-BHC	1	3.46	3.41	3.47	8.2	
	2	3.25	0.00	0.00	7.6	~~99.9~~ 8.0
gamma-BHC	1	3.35	3.32	3.38	19	
	2	3.15	3.14	3.20	10	90.0
Dieldrin	1	6.04	6.03	6.09	4.5	
	2	5.77	5.75	5.81	7.7	71.1

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

HA-6S (0-2")

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS164

Lab Sample ID: 1405098-001b Date(s) Analyzed: /15/2014 /15/2014

Instrument ID (1): HP6890-3 Instrument ID (2): HP6890-3

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
4,4'-DDE	1	5.59	5.58	5.64	5.4	31.7
	2	5.57	5.55	5.61	4.1	~~0.0~~

JS 7/24/14

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

HA-8S (0-2")

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS164

Lab Sample ID: 1405098-008b Date(s) Analyzed: /15/2014 /15/2014

Instrument ID (1): HP6890-3 Instrument ID (2): HP6890-3

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Dieldrin	1	6.04	6.03	6.09	3.7	~~75.6~~
	2	5.77	5.75	5.81	6.5	~~0.0~~

FORM X PEST- 1 SW8081

PACE ANALYTICAL

PREP BATCH REPORT

Prep Start Date: **5/20/2014 9:52:08 A**
Prep End Date: **5/21/2014 3:51:02 P**

Prep Batch ID: **44615** Prep Code: **3545_P** Technician: **Gracy Daniel**

Prep Factor Units: **mL / g**

Initial Temp: **°C** Final Temp **°C**

Sample ID	ClientSampleID	Matrix	pH1	pH2	SampAmt	Fin Vol	factor	GPC	Acid	Sulfur	Florisil	PrepStart	PrepEnd
LFB1-44615		Solid			15	5	0.333	☑	☐	☐	☐	5/19/2014	5/21/2014
MB-44615		Solid			15	5	0.333	☑	☑	☑	☐	5/19/2014	5/21/2014
1405B55-001A	ACT-1	Soil			15.05	5	0.332	☐	☑	☑	☐	5/20/2014	5/21/2014
Prep hold time was exceeded by 0.713 days.													
1405B55-002A	ACT-2	Soil			15.08	5	0.332	☐	☑	☑	☐	5/20/2014	5/21/2014
Prep hold time was exceeded by 0.71 days.													
1405B55-003A	ACT-3	Soil			15.04	5	0.332	☐	☑	☑	☐	5/20/2014	5/21/2014
Prep hold time was exceeded by 0.706 days.													
1405C02-001A	WC-7	Soil			15.08	5	0.332	☑	☑	☑	☐	5/20/2014	5/21/2014
LFB2-44615					15.06	5	0.332	☑	☑	☑	☐	5/20/2014	5/21/2014
LFB3-44615					15.09	5	0.331	☑	☐	☐	☐	5/20/2014	5/21/2014
1405098-007B	HA-DUP1	Soil			15.02	5	0.333	☑	☐	☐	☐	5/20/2014	5/21/2014
Prep hold time was exceeded by 7.411 days.													
1405116-001B	HA-9 (2-4')	Soil			15.06	5	0.332	☑	☐	☐	☐	5/20/2014	5/21/2014
Prep hold time was exceeded by 6.956 days.													
1405D91-016B	SS-8	Soil			15.02	5	0.333	☑	☐	☐	☐	5/20/2014	5/21/2014
1405D91-017B	SS-9	Soil			15.06	5	0.332	☑	☐	☐	☐	5/20/2014	5/21/2014
1405D91-018B	SS-10	Soil			15.02	5	0.333	☑	☐	☐	☐	5/20/2014	5/21/2014
1405D91-014A	SS-6	Soil			15.05	5	0.332	☑	☐	☐	☐	5/20/2014	5/21/2014
1405D91-015A	SS-7	Soil			15.08	5	0.332	☑	☐	☐	☐	5/20/2014	5/21/2014
1405E31-001B	Waste Class	Soil			15	5	0.333	☐	☐	☐	☐	5/20/2014	5/21/2014

Type	Chemical / Reagent ID	Chemical / Reagent Name	Container#	Container I	Amount Added	Unit

Cleanups:
GPC = Method EPA3640A
Acid = Method EPA3665A
Sulfur= Method EPA3660B
Florisil = Method-EPA3620B

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR HERBICIDES ANALYSES
SAMPLES RECEIVED: 4/30/14 & 5/2/14
SDG #: URS164

For Sample(s):

MW-7 (0-2')	MW-7 (14-16')	HA-7 (0-2')
MW-7 (2-4')	MW-7 (DUP1)	HA-7 (2-4')
MW-7 (4-6')	EQMT BLK1	HA-DUP1
MW-7 (6-8')	HA-6S (0-2")	HA-8S (0-2")
MW-7 (8-10')	HA-6 (0-2')	HA-8 (0-2')
MW-7 (10-12')	HA-6 (2-4')	HA-8 (2-4')
MW-7 (12-14')	HA-7S (0-2")	HA-9S (0-2")

The above soil sample(s) and blank(s) was/were analyzed for a select list of herbicides by EPA method 8151A. Please note that ELAP / NELAC do not offer certification for picloram.

All Q. C. data and calibrations met the requirements of the method unless discussed below, and no problems were encountered with sample analysis. The following should be noted:

Sample HA-7S (0-2") was submitted for matrix spike/ matrix spike duplicate (MS/MSD), but due to a logging error sample HA-7 (0-2') was selected for in-house batch Q. C. MS/MSD analysis. All recoveries and RPDs met Q. C. limits. A lab fortified blank was analyzed, and recoveries indicate good method efficiency.

The recovery for the surrogate DCAA was above the Q. C. limit on one column for two samples due to unresolved matrix interference.

Positives are reported if peaks are found in the retention time windows on both analytical windows. These peaks may be or may include interferences. In particular if the retention times are marginal and show different shifts on the two columns, interferences are suspected.

In the continuing calibration verification (CCV) on 5/16/13, two compounds, dinoseb and 2,4-DB, exceeded the variability criterion of a percent difference of 20% on column RTX-CLP. Positives for these analytes in the affected analyses were reported from the compliant column RTX-CLP2 with one exception: In sample HA-6S (0-2") the non-compliant column had to be reported for 2,4-DB, because the peak on column RTX-CLP2 appears to contain an interference. The reported 2,4-DB result is regarded estimated.

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR HERBICIDES ANALYSES
SAMPLES RECEIVED: 4/30/14 & 5/2/14
SDG #: URS164

Positives are reported to the practical detection limits of ½ of the reporting limits (PQL).

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: May 28, 2014

Date Revised: July 21, 2014

****
* *
* *
****
Ursula Middel
Quality Analyst

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

MW-7 (8-10')

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS164

Lab Sample ID: 1404M01-005B Date(s) Analyzed: 05/14/14 05/14/14

Instrument ID (1): HP6890-1 Instrument ID (2): HP6890-1

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
2,4,5-TP (Silvex)	1	7.25	7.20	7.26	6.7	
	2	7.01	6.98	7.04	13	94.0

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

MW-7 (10-12')

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS164

Lab Sample ID: 1404M01-006B Date(s) Analyzed: 05/14/14 05/14/14

Instrument ID (1): HP6890-1 Instrument ID (2): HP6890-1

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
2,4,5-TP (Silvex)	1	7.25	7.20	7.26	3.0	
	2	7.01	6.98	7.04	5.5	83.3

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

MW-7 (12-14')

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS164

Lab Sample ID: 1404M01-007B Date(s) Analyzed: 05/14/14 05/14/14

Instrument ID (1): HP6890-1 Instrument ID (2): HP6890-1

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Dicamba	1	6.16	6.14	6.20	8.0	
	2	5.96	5.94	6.00	10	25.0
2,4,5-TP (Silvex)	1	7.23	7.20	7.26	16	
	2	7.01	6.98	7.04	3.3	384.8
Dinoseb	1	8.30	8.26	8.32	18	
	2	7.66	7.62	7.68	28	55.6
2,4-DB	1	7.69	7.64	7.70	30	
	2	7.47	7.45	7.51	19	57.9

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

MW-7 (14-16')

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS164

Lab Sample ID: 1404M01-008B Date(s) Analyzed: 05/14/14 05/14/14

Instrument ID (1): HP6890-1 Instrument ID (2): HP6890-1

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
2,4,5-TP (Silvex)	1	7.25	7.20	7.26	4.6	
	2	7.01	6.98	7.04	6.0	30.4

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

HA-6S (0-2")

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS164

Lab Sample ID: 1405098-001B Date(s) Analyzed: 05/15/14 05/15/14

Instrument ID (1): HP6890-1 Instrument ID (2): HP6890-1

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Dicamba	1	6.17	6.14	6.20	3.4	
	2	5.97	5.93	5.99	2.3	47.8
2,4-D	1	6.74	6.70	6.76	25	
	2	6.56	6.51	6.57	6.8	267.6
2,4-DB	1	7.66	7.64	7.70	14	
	2	7.45	7.44	7.50	22	57.1

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

HA-7S (0-2")

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS164

Lab Sample ID: 1405098-004B Date(s) Analyzed: 05/15/14 05/15/14

Instrument ID (1): HP6890-1 Instrument ID (2): HP6890-1

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
2,4-DB	1	7.66	7.64	7.70	10	
	2	7.45	7.44	7.50	7.6	31.6

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

HA-DUP1

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS164

Lab Sample ID: 1405098-007B Date(s) Analyzed: 05/15/14 05/15/14

Instrument ID (1): HP6890-1 Instrument ID (2): HP6890-1

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
2,4-D	1	6.75	6.70	6.76	890	
	2	6.56	6.51	6.57	9.6	999.9

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR METALS ANALYSIS
SAMPLE(S) RECEIVED: 4/30/14 & 5/02/14
SDG #: URS164

For Sample(s):

MW-7 (0-2')	MW-7 (14-16')	HA-7 (0-2')
MW-7 (2-4')	MW-7 (DUP1)	HA-7 (2-4')
MW-7 (4-6')	EQMT BLK1	HA-DUP1
MW-7 (6-8')	HA-6S (0-2")	HA-8S (0-2")
MW-7 (8-10')	HA-6 (0-2')	HA-8 (0-2')
MW-7 (10-12')	HA-6 (2-4')	HA-8 (2-4')
MW-7 (12-14')	HA-7S (0-2")	HA-9S (0-2")

The above sample(s) was/were received by Pace Analytical Services Inc. for TAL metals analysis.

Samples were prepared and analyzed using EPA methods 6010C with a TS ICAP 6000 instrument and 7470/7471A with a Leeman HYDRA mercury analyzer.

Sample HA-7S (0-2") was used for Q.C. analysis and reporting.

The ICP EQMT BLK 1 run of 5/14/14 did not meet quality control limits for several analytes. Only selenium and thallium data were used for reporting. The EQMT BLK 1 sample was reanalyzed on 5/15/14 for the remaining metals. Soil samples were analyzed on 6/03/14.

Spike analysis did not recover within 75-125% for iron and lead. Since the sample values were greater than four times the spike concentrations, post spikes and data qualifiers were not required.

Spike analysis did not meet acceptance criteria for arsenic, selenium and thallium. The sample was post spiked and recovered at 84.1% for arsenic, 105.2% for selenium and 79.8% for thallium. Associated data were reported flagged "N" on forms 1 and 5A.

No other issues were noted during the analysis of this sample group.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: June 5, 2014

****
*
*
****

Vincent Stancampiano

U.S. EPA - CLP

3
BLANKS

Lab Name: PACE ANALYTICAL Contract:

Lab Code: 10478 Case No. SAS No.: SDG No.: URS164

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum	5.4	U	36.1	B	5.4	U	8.4	B	2.710	B	P
Antimony	1.9	U	1.9	U	1.9	U	1.9	U	0.190	U	P
Arsenic	1.1	U	1.1	U	1.1	U	-2.0	B	0.110	U	P
Barium	0.2	U	0.3	B	0.2	B	0.2	B	0.050	B	P
Beryllium	0.1	U	0.2	B	0.1	U	0.1	U	0.014	U	P
Cadmium	0.1	U	0.1	U	0.1	U	0.1	U	0.011	U	P
Calcium	25.8	U	44.1	B	25.8	U	25.8	U	2.600	U	P
Chromium	1.1	U	1.1	U	1.1	U	1.1	U	0.110	U	P
Cobalt	0.2	U	0.2	B	0.2	B	0.2	U	0.019	U	P
Copper	0.8	U	0.8	U	0.8	U	0.8	U	0.076	U	P
Iron	3.9	U	16.3	B	3.9	U	14.0	B	0.500	B	P
Lead	1.9	U	1.9	U	1.9	U	1.9	U	0.190	U	P
Magnesium	22.0	U	47.7	B	22.0	U	22.0	U	2.200	U	P
Manganese	0.3	U	0.3	U	0.3	U	0.3	U	0.032	U	P
Nickel	0.3	U	0.3	U	0.3	U	0.3	U	0.034	U	P
Potassium	81.0	U	-86.0	B	81.0	U	-87.0	B	8.100	U	P
Selenium	1.1	U	-2.8	B	-3.1	B	-1.4	B	0.110	U	P
Silver	0.4	U	0.4	U	0.4	U	0.4	U	0.043	U	P
Sodium	146.8	U	146.8	U	146.8	U	146.8	U	14.700	U	P
Thallium	1.3	U	1.3	U	-3.1	B	-3.6	B	0.130	U	P
Vanadium	0.4	U	0.4	U	0.4	B	0.5	B	0.039	U	P
Zinc	1.3	U	1.3	U	1.3	U	1.4	B	0.130	U	P

U.S. EPA - CLP

3
BLANKS

Lab Name: PACE ANALYTICAL Contract:

Lab Code: 10478 Case No. SAS No.: SDG No.: URS164

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 4 1	C	2 5	C	3 6	C	Prepa-ration Blank	C	M
Aluminum			25.6	B	9.1	B	5.4	U			P
Antimony			1.9	U	1.9	U	1.9	U			P
Arsenic			1.1	U	-1.1	B	-1.5	B			P
Barium			0.2	U	0.2	B	0.2	B			P
Beryllium			0.2	B	0.2	B	0.1	U			P
Cadmium			0.1	U	0.1	U	0.1	U			P
Calcium			43.5	B	25.8	U	25.8	U			P
Chromium			1.1	U	1.1	U	1.1	U			P
Cobalt			0.2	U	0.2	U	0.2	U			P
Copper			0.8	U	0.8	U	0.8	U			P
Iron			13.6	B	18.9	B	3.9	U			P
Lead			1.9	U	1.9	U	1.9	U			P
Magnesium			34.3	B	22.0	U	22.0	U			P
Manganese			0.3	U	0.3	U	0.3	U			P
Nickel			0.3	U	0.3	U	0.3	U			P
Potassium			81.0	U	81.0	U	81.0	U			P
Selenium			-1.7	B	-1.6	B	1.1	U			P
Silver			0.4	U	0.4	U	0.4	U			P
Sodium			146.8	U	146.8	U	146.8	U			P
Thallium			-3.4	B	1.3	U	2.0	B			P
Vanadium			0.4	B	0.4	B	0.4	U			P
Zinc			1.3	U	1.3	U	1.3	U			P

U.S. EPA - CLP

3
BLANKS

Lab Name: PACE ANALYTICAL Contract:

Lab Code: 10478 Case No. SAS No.: SDG No.: URS164

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 17	C	28	C	3	C	Prepa-ration Blank	C	M
Aluminum			5.4	U	11.3	B					P
Antimony			1.9	U	1.9	U					P
Arsenic			-1.7	B	1.1	U					P
Barium			0.2	U	0.2	U					P
Beryllium			0.1	U	0.1	U					P
Cadmium			0.1	U	0.1	U					P
Calcium			25.8	U	25.8	U					P
Chromium			1.1	U	1.1	U					P
Cobalt			0.2	U	0.2	U					P
Copper			0.8	U	0.8	U					P
Iron			3.9	U	-4.8	B					P
Lead			1.9	U	1.9	U					P
Magnesium			22.0	U	22.0	U					P
Manganese			0.3	U	0.3	U					P
Nickel			-0.4	B	0.3	U					P
Potassium			-89.0	B	-130.0	B					P
Selenium			1.1	U	1.1	U					P
Silver			0.4	U	0.4	U					P
Sodium			146.8	U	146.8	U					P
Thallium			2.3	B	1.3	U					P
Vanadium			0.4	U	0.4	U					P
Zinc			1.3	U	1.3	U					P

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO
HA-7S (0-2")S

Lab Name: PACE ANALYTICAL Contract:

Lab Code: 10478 Case No. SAS No.: SDG No.: URS164

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 73.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony	75-125	57.7133		0.2628	U	66.88	86.3		P
Arsenic	75-125	15.6220		2.5181		5.35	244.9	N	P
Barium	75-125	312.3072		42.1126		267.50	101.0		P
Beryllium	75-125	7.3028		0.2696	B	6.69	105.2		P
Cadmium	75-125	6.3799		0.0153	U	6.69	95.4		P
Chromium	75-125	40.9945		11.4987		26.75	110.3		P
Cobalt	75-125	70.8877		3.9497	B	66.88	100.1		P
Copper	75-125	43.0008		10.0698		33.44	98.5		P
Iron		10757.5438		9650.5851		133.75	827.6		P
Lead		101.5032		99.9703		2.68	57.3		P
Manganese	75-125	247.7057		179.0191		66.88	102.7		P
Mercury	75-125	0.2608		0.0218	U	0.22	120.3		CV
Nickel	75-125	72.3188		5.6483		66.88	99.7		P
Selenium	75-125	1.3303	B	1.2290	B	1.34	7.6	N	P
Silver	75-125	6.4000		1.0658	B	6.69	79.8		P
Thallium	75-125	4.1971		0.1743	U	6.69	62.8	N	P
Vanadium	75-125	82.8049		14.4914		66.88	102.2		P
Zinc	75-125	150.7367		76.7302		66.88	110.7		P

Comments:

U.S. EPA - CLP

5B
POST DIGEST SPIKE SAMPLE RECOVERY

EPA SAMPLE NO
HA-7S (0-2")A

Lab Name: PACE ANALYTICAL Contract:

Lab Code: 10478 Case No. SAS No.: SDG No.: URS164

Matrix (soil/water): SOIL Level (low/med): LOW

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Arsenic		52.33		18.68		40.0	84.1		P
Selenium		30.17		9.12	B	20.0	105.2		P
Thallium		47.90		1.29	U	60.0	79.8		P

Comments:

U.S. EPA - CLP

14
ANALYSIS RUN LOG

Lab Name: PACE ANALYTICAL Contract:

Lab Code: 10478 Case No. SAS No.: SDG No.: URS164

Instrument ID Number: ICAP6000 Method: P

Start Date: 06/03/2014 End Date: 06/03/2014

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	1003		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
S	1.00	1010			X																	X				
S	1.00	1016		X						X				X		X										
S	1.00	1022				X									X						X		X			
S	1.00	1028					X	X	X		X	X	X				X		X					X	X	
S	1.00	1034												X								X				
S	1.00	1040																		X		X				
ICV	1.00	1046		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1052																								
ICB	1.00	1058		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1104																								
CRI	1.00	1110			X	X		X	X		X	X	X		X		X		X		X	X		X	X	X	
ICSA	1.00	1116		X		X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
ICSAB	1.00	1123		X		X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
CCV 1	1.00	1129		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1135																								
CCB	1.00	1141		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1147																								
ZZZZZZ	1.00	1153																								
ZZZZZZ	1.00	1159																								
ZZZZZZ	1.00	1205																								
ZZZZZZ	1.00	1211																								
ZZZZZZ	1.00	1217																								
ZZZZZZ	20.00	1223																								
ZZZZZZ	1.00	1229																								
ZZZZZZ	1.00	1235																								
ZZZZZZ	1.00	1241																								
CCV 2	1.00	1247		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1253																								
CCB	1.00	1259		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1305																								
ZZZZZZ	1.00	1311																								
ZZZZZZ	1.00	1317																								
ZZZZZZ	1.00	1323																								
ZZZZZZ	1.00	1329																								

U.S. EPA - CLP

14
ANALYSIS RUN LOG

Lab Name: PACE ANALYTICAL Contract:

Lab Code: 10478 Case No. SAS No.: SDG No.: URS164

Instrument ID Number: ICAP6000 Method: P

Start Date: 06/03/2014 End Date: 06/03/2014

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN	
ZZZZZZ	1.00	1335																										
ZZZZZZ	5.00	1341																										
ZZZZZZ	1.00	1347																										
ZZZZZZ	1.00	1353																										
ZZZZZZ	1.00	1359																										
CCV 3	1.00	1405		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
ZZZZZZ	1.00	1411																										
CCB	1.00	1417		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
ZZZZZZ	1.00	1423																										
ZZZZZZ	5.00	1429																										
CRI	1.00	1435			X	X		X	X		X	X	X		X		X		X		X	X		X	X	X		
ICSA	1.00	1441		X		X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X		
ICSAB	1.00	1447		X		X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X		
CCV 4	1.00	1453		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
ZZZZZZ	1.00	1459																										
CCB	1.00	1505		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
PBS	1.00	1511		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
ZZZZZZ	1.00	1517																										
LCSS	1.00	1523		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
W-7 (0-2')	1.00	1529		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
W-7 (2-4')	1.00	1535		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
W-7 (4-6')	1.00	1541		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
W-7 (6-8')	1.00	1547		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
-7 (8-10')	1.00	1553		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
7 (10-12')	1.00	1559		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
CCV 5	1.00	1605		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
ZZZZZZ	1.00	1611																										
CCB	1.00	1617		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
7 (12-14')	1.00	1715		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
7 (14-16')	1.00	1722		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
W-7 (DUP1)	1.00	1728		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
-6S (0-2")	1.00	1734		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
A-6 (0-2')	1.00	1740		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
A-6 (2-4')	1.00	1746		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
-7S (0-2")	1.00	1752		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		

U.S. EPA - CLP

14
ANALYSIS RUN LOG

Lab Name: PACE ANALYTICAL Contract:

Lab Code: 10478 Case No. SAS No.: SDG No.: URS164

Instrument ID Number: ICAP6000 Method: P

Start Date: 06/03/2014 End Date: 06/03/2014

EPA Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN			
7S (0-2")D	1.00	1758		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
7S (0-2")S	1.00	1804		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
7S (0-2")L	5.00	1810		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
CCV 6	1.00	1816		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ZZZZZZ	1.00	1821																												
CCB	1.00	1827		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
7S (0-2")A	1.00	1834				X															X			X					
A-7 (2-4')	1.00	1839		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
HA-DUP1	1.00	1845		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
-8S (0-2")	1.00	1851		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
A-8 (0-2')	1.00	1857		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
A-8 (2-4')	1.00	1903		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
9S (0-2'')	1.00	1910		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
A-7 (0-2')	1.00	1915		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ZZZZZZ	10.00	1921																												
ZZZZZZ	10.00	1927																												
CCV 7	1.00	1933		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ZZZZZZ	1.00	1939																												
CCB	1.00	1945		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ZZZZZZ	10.00	1951																												
CRI	1.00	1957			X	X		X	X		X	X	X		X		X		X		X	X		X	X	X			
ICSA	1.00	2003		X		X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
ICSAB	1.00	2010		X		X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
CCV 8	1.00	2016		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ZZZZZZ	1.00	2022																												
CCB	1.00	2028		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			

CHAIN OF CUSTODY RECORD URS165

Pace Analytical®
www.pacelabs.com

LAB W.O # 1404M09 Quote: _____ Page 2 of 3

Company Name: URS Corp	PO#
Address: 257 West Genesee St. Ste. 400	
City: Buffalo State: NY Zip: 14202	
Attn: George Kisluk Fax# (716) 856-2545	
email: george.kisluk@urs.com Phone: (716) 923-1321	
Project Name: Old Agway Ph II Proj # 11176892	
Sampler Signature: John P. Hilton	Circle One Event: Daily Weekly Monthly Quarterly Semi-Annual Annual N/A

Container Type Codes

AV	Amber Vial	ES	Encore Sampler
CV	Clear Vial	PPV	Prepreserved vial
P	Plastic	PL C	Plastic container
AL	Amber Liter	PL J	Plastic Jar
CL	Clear Liter	Z	Ziploc bag
AP	Amber Plastic	TB	Tedlar bag
AG	Amber Glass	WP	Whirl pak
SJ	Soil Jar	G	Gallon Jug
Other		TC	Terra-core

PPV Prepreserved vial
Size(s): 2oz, 4oz, 8oz, 16oz, 32oz or 1L, other _____ 40ml 500ml 250ml 125 ml
Example: 4ozP = 4oz Plastic, 8ozSJ= 8oz Soil Jar

Matrix Codes

SD	Solid Waste	OL	Oil
GW	Ground Water	SL	Sludge
EFF	Effluent	SO	Soil Sediment
AFW	Analyte Free H20	AQ	Aqueous
WW	Waste Water	NA	Nonaqueous
DW	Drinking Water	PE	Petroleum
SW	Surface Water	O	Other _____ (Please specify)
ML	Misc. Liquid		

Preservative Type Codes

A. None	E. HCL	I. Ice
B. HNO3	F. MeOH	J. MCAA
C. H2SO4	G. Na2S2O3	K. Zn Acetate
D. NaOH	H. NaHSO4	O. Other

LAB ANALYSIS

Sample #	Sample ID	Collect Date	Collect Time	Matrix Code*	Field Filtered	Preserv. Code (N)	Total # of containers	Parameters: TCL VOCs+TICs	TCL SVOC+TICs	Pest/Herb TAL Metals	1404M09	EXAMPLE Diss. Lead 6010
								Pres Codes: I	I			
								TRC				
								pH				
								# of Containers Size/Type: 1 16ozP				
1	MW-9(0-2')	4/29	0815	SO			2	1 2ozSJ	1 8ozSJ		-001	
2	MW-9(2-4')	4/29	0825				2	1 2ozSJ	1 8ozSJ		-002	
3	MW-9(4-6')	4/29	0845				2	1 2ozSJ	1 8ozSJ		-003	
4	MW-9(6-8')	4/29	0850				2	1 2ozSJ	1 8ozSJ		-004	
5	MW-9(8-10')	4/29	0900				2	1 2ozSJ	1 8ozSJ		-005	
6	MW-9(10-12')	4/29	0905				2	1 2ozSJ	1 8ozSJ		-006	
7	MW-9(12-14')	4/29	0910				2	1 2ozSJ	1 8ozSJ		-007	
8	MW-9(14-16')	4/29	0925				2	1 2ozSJ	1 8ozSJ		-008	
9	MW-9 Dup 1	4/29	0900				2	1 2ozSJ	1 8ozSJ		-009	
10	12-14											

REMARKS

Collected blank dup1 as MW-9(Dup. 1)

limited vol. in 8oz jar

Circle if AT REQUEST (Rush Fees Apply)	Short Hold	Circle QA/QC Report Level	EDD (Fees May Apply)		COC Condition	Required State Certification	Coolers #'s Temp °C
Standard: (Y) N	Y____ N____	1 2 3 4 CLP AFCEE QAPP Other____	ADaPT SEDD ERPIMS TSV CSV Other____		OK Incomplete	FL GA SC NC NJ PA LA TX IL	1 ___ 2 ___ 3 ___ 4 ___ 5 ___
RUSH: Today 1D 2D 3D 4D 5D ___							

Item	Relinquished by	Affiliation	Date	Time	Received by	Affiliation	Date	Time
1	John P. Hilton	URS	4/29/14	15:15	M. Conway	Pace	4/29/14	1515
2	M. Conway	Pace	4/29/14	1543	[illegible]	Pace	4/29/14	1543
3	[illegible]	Pace	4/29/14		VIA FEDEX			
4							4/30	1025

Lab Use Only	YES	NO	N/A
Non-Conformance Found?			
Samples INTACT upon arrival?			
Received on Wet Ice?			
Proper Preservatives Indicated?			
Received within holding time?			
Custody seals Intact?			
Volatiles rec'd without headspace?			
Proper Containers Used?			

Pompano Lab 954-582-4300 Revision: F-ALL-C-007- Rev.00

C.O.C. Serial # 68079

Pace Analytical®
www.pacelabs.com

CHAIN OF CUSTODY RECORD URS165

LAB W.O # 1404M09 Quote:_____ Page 3 of 3

Company Name: URS Corp PO#
Address: 257 West Genesee St. Ste 400
City: Buffalo State: NY Zip: 14202
Attn: George Kislink Fax# 716 856-2545
email: george.kislink@URS.com Phone: 716 973-1321
Project Name: Ogden Ag Way Ph II Proj # 11176892
Sampler Signature: John P. Milton
Circle One Event: Daily Weekly Monthly Quartely Semi-Annual Annual N/A

LAB ANALYSIS

Sample #	Sample ID	Collect Date	Collect Time	Matrix Code	Field Filtered	Integrity OK(Y/N)	Total # of containers	Parameters: TCL VOC's+TICs	TCL VOCs	TCL SVOC's+TICs	Pest/Herb TAL Metals	TAL Metals	TCL SVOCs	Pest/Herb	1404M09	EXAMPLE Diss. Lead 6010
	Pres. Codes							I	E	I		B	I			
	# of Containers Size/Type							1 1GozP								
1	MW-10(0-2)	4/29	11:00	SO			2	1 2oz SJ		1 8oz SJ					010	
2	MW-10(2-4')	4/29	11:05				2	1 2oz SJ		1 8oz SJ					011	
3	MW-10(4-6')	4/29	11:15				2	1 2oz SJ		1 8oz SJ					012	
4	MW-10(6-8')	4/29	11:20				2	1 2oz SJ		1 8oz SJ					013	
5	MW-10(8-10')	4/29	11:30				2	1 2oz SJ		1 8oz SJ					014	
6	MW-10Dupl 1	4/29	09:00				2	1 2oz SJ		1 8oz SJ					015	
7	8-10							1 2oz SJ		1 8oz SJ						
8								1 2oz SJ		1 8oz SJ						
9																
10	Eqmt Blk 2	4/29	13:30	AQ			7		2 40ml AV			1 250ml P	4 HNO3		016	

Container Type Codes

AV	Amber Vial	ES	Encore Sampler
CV	Clear Vial	PPV	Prepreserved vial
P	Plastic	PL C	Plastic container
AL	Amber Liter	PL J	Plastic Jar
CL	Clear Liter	Z	Ziploc bag
AP	Amber Plastic	TB	Tedlar bag
AG	Amber Glass	WP	Whirl pak
SJ	Soil Jar	G	Gallon Jug
Other		TC	Terra-core

PPV Prepreserved vial
Size(s): 2oz, 4oz, 8oz, 16oz, 32oz or 1L, other_____
40ml 500ml 250ml 125 ml
Example: 4ozP = 4oz Plastic, 8ozSJ= 8oz Soil Jar

Matrix Codes

SD	Solid Waste	OL	Oil
GW	Ground Water	SL	Sludge
EFF	Effluent	SO	Soil Sediment
AFW	Analyte Free H20	AQ	Aqueous
WW	Waste Water	NA	Nonaqueous
DW	Drinking Water	PE	Petroleum
SW	Surface Water	O	Other_____ (Please specify)
ML	Misc. Liquid		

Preservative Type Codes

A. None	E. HCL	I. Ice
B. HNO3	F. MeOH	J. MCAA
C. H2SO4	G. Na2S2O3	K. Zn Acetate
D. NaOH	H. NaHSO4	O. Other

REMARKS

Collected soil duplicate MW-10 Dupl 1

Circle if REQUEST (Rush Fees Apply)
Standard: Y N — Rush: Today 1D 2D 3D 4D 5D ____

Short Hold: Y_____ N_____

Circle QA/QC Report Level: 1 2 3 4 CLP AFCEE QAPP Other_____

EDD (Fees May Apply): ADaPT SEDD ERPIMS TSV CSV Other_____

COC Condition: OK Incomplete

Required State Certification: FL GA SC NC NJ PA LA TX IL ____

Coolers #'s Temp °C: 1 ___ 2 ___ 3 ___ 4 ___ 5 ___

Item	Relinquished by	Affiliation	Date	Time	Received by	Affiliation	Date	Time
1	John P. Milton	URS	4/29/14	15:15	[signature]	Pace	4/29/14	1515
2	Matt Lavoy	Pace	4/29/14	1543	[signature]	Pace	4/29/14	1543
3	[signature]	Pace	4/29/14		VIA FEDEX			
4							4/30	1045

Lab Use Only — YES NO N/A

	YES	NO	N/A
Non-Conformance Found?			
Samples INTACT upon arrival?			
Received on Wet Ice?			
Proper Preservatives Indicated?			
Received within holding time?			
Custody seals Intact?			
Volatiles rec'd without headspace?			
Proper Containers Used?			

Pompano Lab 954-582-4300

Revision: F•ALL•C•007- Rev.00

C.O.C. Serial # 68080

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR VOLATILE ORGANICS
SAMPLES RECEIVED: 4/30/14
SDG #: URS165

For Sample(s):

MW-9 (0-2')	MW-9 (8-10')	MW-9 DUP1	MW-10 (6-8')
MW-9 (2-4')	MW-9 (10-12')	MW-10 (0-2')	MW-10 (8-10')
MW-9 (4-6')	MW-9 (12-14')	MW-10 (2-4')	MW-10 DUP1
MW-9 (6-8')	MW-9 (14-16')	MW-10 (4-6')	EQMT BLK 2

The above soil sample(s) and blank(s) was/were analyzed for a select list of volatile organic analytes by EPA method 8260C.

All Q. C. data and calibrations met the requirements of the method unless discussed below, and no problems were encountered with sample analysis. The following should be noted:

No sample was submitted for matrix spike/matrix spike duplicate (MS/MSD) analysis, but lab fortified blanks (LFB) were analyzed. Recoveries for four compounds in the water LFB were below the Q. C. limits, and two or four compounds in each of the soil LFBs were outside the limits. The compounds were not found in the samples, and no data are affected.

The internal standard 3 (IS3) in sample MW-10 (8-10') had a low area below the acceptable range. The sample was reanalyzed, and the area for IS3 was low again confirming matrix interference. The sample also had a recovery for the surrogate toluene-d8 above the Q. C. limit in both analyses.

Low levels of acetone below reporting limit (PQL) were found in three method blanks, and methylene chloride below PQL was present in one blank. The compounds were flagged with the qualifier "B" if found in the samples.

Two samples were re-analyzed at a dilution due to concentration levels of targeted analytes above the calibration range. Both sets of data are submitted.

In the initial calibrations, average response factors were employed as applicable, and regression functions were used for RSDs above 20%. In the continuing calibration verification(s) (CCV) the variability (%D) for some compounds was above 20%. Results for these analytes are flagged with a "Z" qualifier, indicating that they are regarded estimated.

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR VOLATILE ORGANICS
SAMPLES RECEIVED: 4/30/14
SDG #: URS165

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: May 28, 2014

****
* *
* *
****
Ursula Middel
Quality Analyst

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR SEMIVOLATILE ORGANICS
SAMPLES RECEIVED: 4/30/14
SDG #: URS165

For Sample(s):

MW-9 (0-2')	MW-9 (8-10')	MW-9 DUP1	MW-10 (6-8')
MW-9 (2-4')	MW-9 (10-12')	MW-10 (0-2')	MW-10 (8-10')
MW-9 (4-6')	MW-9 (12-14')	MW-10 (2-4')	MW-10 DUP1
MW-9 (6-8')	MW-9 (14-16')	MW-10 (4-6')	EQMT BLK 2

The above soil sample(s) and blank(s) was/were analyzed for a select list of semivolatile organic analytes by EPA method 8270D.

All Q. C. data and calibrations met the requirements of the method unless discussed below, and no problems were encountered with sample analysis. The following should be noted:

No sample was submitted for matrix spike/matrix spike duplicate (MS/MSD) analysis, but lab fortified blanks (LFB) were analyzed for each extraction batch, and results indicate good method efficiency. Recovery of one compound (atrazine at 72%) was slightly below the Q. C. limit (74%) in LFB-44473. The analyte was not found in the samples of that batch, and no data are affected.

Recoveries for the surrogate terphenyl-d14 were greater than the Q. C. limit in the Q. C. samples and three other samples of batch 44473.

In the initial calibrations, average response factors (RF) were employed as applicable, and regression functions were used for RSDs above 20%. In the continuing calibration verification(s) (CCV) the variability for some compounds was above 20%. Results for these analytes are flagged with a "Z" qualifier in the LFB and if found in the samples, indicating that they are regarded estimated.

TICs identified as siloxanes are suspected to be column bleed and are flagged with the qualifier "X".

A low level of bis(2-ethylhexyl)phthalate below reporting limit (PQL) was present in the method blank MB-44358, MB-44423 had acetophenone below PQL, and all blanks contained a number of TICs. If found in the associated samples, these compounds were flagged with the qualifiers "B".

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR SEMIVOLATILE ORGANICS
SAMPLES RECEIVED: 4/30/14
SDG #: URS165

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: May 29, 2014

****
* *
* *
****

Ursula Middel
Quality Analyst

2B

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS165

Level: (low/med) LOW

	EPA SAMPLE NO.	SMC1 TOL #	SMC2 BFB #	SMC3 DCA #	OTHER	TOT OUT
01	VBLK050114	103	95	108		0
02	LFB050114	102	96	106		0
03	MW-9 (0-2')	103	88	110		0
04	MW-9 (2-4')	107	86	109		0
05	MW-9 (4-6')	114	81	106		0
06	MW-9 (6-8')	106	89	106		0
07	MW-9 (8-10')	109	84	109		0
08	VBLK050114A	104	91	109		0
09	LFB050114A	103	94	111		0
10	MW-9 (10-12')	120	72	110		0
11	MW-9 (12-14')	104	92	116		0
12	MW-9 (14-16')	112	82	109		0
13	MW-9 DUP1	107	87	115		0
14	MW-10 (0-2')	105	89	113		0
15	MW-10 (2-4')	105	92	100		0
16	MW-10 (4-6')	103	91	101		0
17	MW-10 (6-8')	104	92	108		0
18	MW-10 (8-10')	179 *	45	98		1
19	VBLK050214A	103	96	118		0
20	LFB050214A	103	96	111		0
21	MW-9 (10-12')DL	105	91	113		0
22	MW-10 (0-2')DL	102	91	119		0
23	MW-10 (8-10')RE	160 *	44	106		1
24	MW-10 DUP1	143	58	107		0

DRL 5-21-14

		QC Limit
SMC 1 TOL	= Toluene-d8	(43-157)
SMC 2 BFB	= 4-Bromofluorobenzene	(34-145)
SMC 3 DCA	= 1,2-Dichloroethane-d4	(33-150)

Column to be used to flag recovery values

* Values outside of contract required QC limits

3A

SYSTEM MONITORING SPIKE RECOVERY

Lab Name: PACE ANALYTICAL Contract:

Lab Code: 10478 Case No.: URS SAS No.: SDG No.: URS165

Sample ID LFB050214 Level: (low/med) LOW

Column ID Rtx-624 Column Diam .18

Inst. ID HP5972-2 Init. Calib. Date(s): 04/01/14 16:32

Analysis Date: 05/02/14 12:28 04/01/14 19:46

COMPOUND	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	SPIKE CONCENTRATION (µg/L)	SPIKE % REC #	QC. LIMITS REC.
Dichlorodifluoromethane	20	0	4.1	20	16-152
Chloromethane	20	0	9.8	49*	58-142
Vinyl chloride	20	0	10	51*	61-127
Bromomethane	20	0	12	61*	67-126
Chloroethane	20	0	14	72	66-140
Trichlorofluoromethane	20	0	12	61	10-144
1,1-Dichloroethene	20	0	12	58*	62-131
1,1,2-Trichloro-1,2,2-trifluoroethane	20	0	11	54	53-122
Acetone	20	0	22	108	33-175
Carbon disulfide	20	0	11	57	19-165
Methyl Acetate	20	0	16	79	45-175
Methylene chloride	20	0	16	78	47-159
trans-1,2-Dichloroethene	20	0	14	68	64-133
Methyl tert-butyl ether	20	0	18	91	64-117
1,1-Dichloroethane	20	0	16	79	52-152
cis-1,2-Dichloroethene	20	0	15	75	72-132
2-Butanone	20	0	20	102	33-175
Chloroform	20	0	16	78	56-142
1,1,1-Trichloroethane	20	0	15	73	24-129
Cyclohexane	20	0	14	71	33-152
Carbon tetrachloride	20	0	15	76	19-134
Benzene	20	0	17	83	64-139
1,2-Dichloroethane	20	0	18	89	48-133
Trichloroethene	20	0	19	96	43-150
Methylcyclohexane	20	0	12	62	22-171
1,2-Dichloropropane	20	0	18	92	40-152
Bromodichloromethane	20	0	17	85	55-138
cis-1,3-Dichloropropene	20	0	16	79	66-126
4-Methyl-2-pentanone	20	0	21	103	44-162
Toluene	20	0	16	79	69-124

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 4 out of 48 outside limits

COMMENTS:

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK050114A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS165

Lab File ID: A80845.D Lab Sample ID: VBLK050114A

Date Analyzed: 05/01/14 Time Analyzed: 19:27

GC Column: Rtx-624 ID: .18 (mm) Heated Purge: (Y/N) Y

Instrument ID: HP5971

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LFB050114A	LFB050114A	A80846.D	19:56
02	MW-9 (10-12')	1404M09-006A	A80847.D	20:25
03	MW-9 (12-14')	1404M09-007A	A80848.D	20:54
04	MW-9 (14-16')	1404M09-008A	A80849.D	21:23
05	MW-9 DUP1	1404M09-009A	A80850.D	21:52
06	MW-10 (0-2')	1404M09-010A	A80851.D	22:21
07	MW-10 (2-4')	1404M09-011A	A80853.D	23:19
08	MW-10 (4-6')	1404M09-012A	A80855.D	0:17
09	MW-10 (6-8')	1404M09-013A	A80856.D	0:46
10	MW-10 (8-10')	1404M09-014A	A80857.D	1:15

COMMENTS: _____

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK050114A

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS165

Matrix: (soil/water) SOIL Lab Sample ID: VBLK050114A

Sample wt/vol: 5 (g/mL) g Lab File ID: A80845.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 05/01/14

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene chloride	2	J
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK050114

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS165

Lab File ID: A80823.D Lab Sample ID: VBLK050114

Date Analyzed: 05/01/14 Time Analyzed: 8:49

GC Column: Rtx-624 ID: .18 (mm) Heated Purge: (Y/N) Y

Instrument ID: HP5971

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LFB050114	LFB050114	A80824.D	9:18
02	MW-9 (0-2')	1404M09-001A	A80839.D	16:33
03	MW-9 (2-4')	1404M09-002A	A80840.D	17:02
04	MW-9 (4-6')	1404M09-003A	A80841.D	17:31
05	MW-9 (6-8')	1404M09-004A	A80842.D	18:00
06	MW-9 (8-10')	1404M09-005A	A80843.D	18:29

COMMENTS: _____

_____

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK050114

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS165

Matrix: (soil/water) SOIL Lab Sample ID: VBLK050114

Sample wt/vol: 5 (g/mL) g Lab File ID: A80823.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 05/01/14

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	4	JZ
75-15-0	Carbon disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene chloride	2	J
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK050214A

DRL 5-21-14

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS165

Lab File ID: A80879.D Lab Sample ID: VBLK050214

Date Analyzed: 05/02/14 Time Analyzed: 16:44

GC Column: Rtx-624 ID: .18 (mm) Heated Purge: (Y/N) Y

Instrument ID: HP5971

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
DRL 5-21-14 01	LFB050214A	LFB050214	A80880.D	17:13
02	MW-9 (10-12')DL	1404M09-006ADL	A80882.D	18:11
03	MW-10 (0-2')DL	1404M09-010ADL	A80883.D	18:40
04	MW-10 (8-10')RE	1404M09-014ARE	A80884.D	19:09
05	MW-10 DUP1	1404M09-015A	A80885.D	19:38

COMMENTS: _____

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK050214A

DQL 5-21-14

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS165

Matrix: (soil/water) SOIL Lab Sample ID: VBLK050214

Sample wt/vol: 5 (g/mL) g Lab File ID: A80879.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 05/02/14

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/Kg	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	4	JZ
75-15-0	Carbon disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene chloride	2	J
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS165

Lab File ID (Standard): A80844.D Date Analyzed: 05/01/14

EPA Sample No.(VSTD050##): VSTD050 Time Analyzed: 18:58

Instrument ID: HP5971 Heated Purge: (Y/N) Y

GC Column: Rtx-624 ID: .18 (mm)

		IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 (CBZ) AREA #	RT #
	12 HOUR STD	78797	6.23	500961	7.47	453004	10.7
	UPPER LIMIT	157594	6.73	1001922	7.97	906008	11.2
	LOWER LIMIT	39399	5.73	250481	6.97	226502	10.2
	EPA SAMPLE						
01	VBLK050114A	70974	6.23	471057	7.46	428073	10.70
02	LFB050114A	74201	6.23	467721	7.46	430364	10.70
03	MW-9 (10-12')	63705	6.23	423246	7.46	317536	10.70
04	MW-9 (12-14')	72400	6.23	469726	7.46	422321	10.70
05	MW-9 (14-16')	73612	6.23	449683	7.46	381344	10.69
06	MW-9 DUP1	72695	6.23	468694	7.46	410884	10.70
07	MW-10 (0-2')	71905	6.23	452317	7.46	409733	10.70
08	MW-10 (2-4')	79141	6.23	490349	7.46	431158	10.70
09	MW-10 (4-6')	79952	6.23	500277	7.46	447540	10.70
10	MW-10 (6-8')	76533	6.23	482301	7.46	433126	10.70
11	MW-10 (8-10')	64780	6.23	291114	7.46	136500*	10.70

IS1 = Bromochloromethane
IS2 = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS165

Lab File ID (Standard): A80878.D Date Analyzed: 05/02/14

EPA Sample No.(VSTD050##): VSTD050 Time Analyzed: 16:15

Instrument ID: HP5971 Heated Purge: (Y/N) Y

GC Column: Rtx-624 ID: .18 (mm)

		IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 (CBZ) AREA #	RT #
	12 HOUR STD	81692	6.23	494309	7.46	463316	10.7
	UPPER LIMIT	163384	6.73	988618	7.96	926632	11.2
	LOWER LIMIT	40846	5.73	247155	6.96	231658	10.2
	EPA SAMPLE						
01	VBLK050214A	76424	6.22	479437	7.46	445379	10.69
02	LFB050214A	75132	6.22	465107	7.46	428697	10.69
03	MW-9 (10-12')DL	72725	6.23	450217	7.46	411451	10.69
04	MW-10 (0-2')DL	76478	6.23	485091	7.46	446024	10.69
05	MW-10 (8-10')RE	68190	6.22	360876	7.46	196169*	10.70
06	MW-10 DUP1	69736	6.23	384577	7.47	242751	10.71

DRL 5-2-14

IS1 = Bromochloromethane
IS2 = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS165

Lab File ID: G24815A.D BFB Injection Date: 05/02/14

Instrument ID: HP5972-2 BFB Injection Time: 10:34

GC Column: Rtx-624 ID: .18 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.2
75	30.0 - 60.0% of mass 95	44.1
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	85.0
175	5.0 - 9.0% of mass 174	6.2 (7.3)1
176	95.0 - 101.0% of mass 174	82.9 (97.5)1
177	5.0 - 9.0% of mass 176	5.5 (6.6)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VBLK050214	VBLK050214	G24818A.D	05/02/14	12:01
02	LFB050214	LFB050214	G24819A.D	05/02/14	12:28
03	EQMT BLK 2	1404M09-016A	G24824.D	05/02/14	14:49

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS165

Instrument ID: HP5972-2 Calibration Date: 05/02/14 Time: 10:34

Lab File ID: G24815.D Init. Calib. Date(s): 04/01/14 04/01/14

EPA Sample No.(VSTD050##): VSTD050 Init. Calib. Times: 16:32 19:46

Heated Purge: (Y/N) N

GC Column: Rtx-624 ID: .18 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	1.604	0.454	0.100	-71.7	20.0
Chloromethane	1.623	1.001	0.100	-38.3	20.0
Vinyl chloride	1.184	0.858	0.100	-27.5	20.0
Bromomethane	0.834	0.619	0.100	-25.8	20.0
Chloroethane	0.575	0.529	0.100	-8.1	20.0
Trichlorofluoromethane	1.587	1.459	0.100	-8.1	20.0
1,1-Dichloroethene	1.399	1.119	0.100	-20.0	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.426	1.152	0.100	-19.2	20.0
Acetone	0.590	0.450	0.100	-23.8	20.0
Carbon disulfide	4.878	3.760	0.100	-22.9	20.0
Methyl Acetate	1.639	1.239	0.100	-24.4	20.0
Methylene chloride	1.838	1.603	0.100	-12.8	20.0
trans-1,2-Dichloroethene	1.646	1.437	0.100	-12.7	20.0
Methyl tert-butyl ether	4.426	4.251	0.100	-4.0	20.0
1,1-Dichloroethane	2.702	2.653	0.200	-1.8	20.0
cis-1,2-Dichloroethene	1.862	1.699	0.100	-8.8	20.0
2-Butanone	0.947	0.903	0.100	-4.7	20.0
Chloroform	2.575	2.392	0.200	-7.1	20.0
1,1,1-Trichloroethane	0.378	0.367	0.100	-3.0	20.0
Cyclohexane	0.404	0.387	0.100	-4.2	20.0
Carbon tetrachloride	0.310	0.326	0.100	5.1	20.0
Benzene	1.052	1.047	0.500	-0.5	20.0
1,2-Dichloroethane	2.109	2.086	0.100	-1.1	20.0
Trichloroethene	0.319	0.367	0.200	15.1	20.0
Methylcyclohexane	0.310	0.294	0.100	-5.1	20.0
1,2-Dichloropropane	0.287	0.302	0.100	5.2	20.0
Bromodichloromethane	0.410	0.406	0.200	-1.0	20.0
cis-1,3-Dichloropropene	0.462	0.449	0.200	-2.9	20.0
4-Methyl-2-pentanone	0.429	0.445	0.100	3.7	20.0
Toluene	1.254	1.194	0.400	-4.8	20.0
trans-1,3-Dichloropropene	0.435	0.428	0.100	-1.7	20.0
1,1,2-Trichloroethane	0.281	0.274	0.100	-2.3	20.0
Tetrachloroethene	0.269	0.265	0.200	-1.4	20.0
2-Hexanone	0.300	0.318	0.100	5.9	20.0
Dibromochloromethane	0.327	0.370	0.100	13.3	20.0

All other compounds must meet a minimum RRF of 0.010.

7B

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS165

Instrument ID: HP5972-2 Calibration Date: 05/02/14 Time: 10:34

Lab File ID: G24815.D Init. Calib. Date(s): 04/01/14 04/01/14

EPA Sample No.(VSTD050##): VSTD050 Init. Calib. Times: 16:32 19:46

Heated Purge: (Y/N) N

GC Column: Rtx-624 ID: .18 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
1,2-Dibromoethane	0.363	0.338	0.100	-6.9	20.0
Chlorobenzene	0.920	0.909	0.500	-1.2	20.0
Ethylbenzene	0.434	0.422	0.100	-2.7	20.0
Xylene (total)	0.528	0.521		-1.3	20.0
Styrene	0.882	0.879	0.300	-0.4	20.0
Bromoform	0.210	0.230	0.100	9.7	20.0
Isopropylbenzene	1.207	1.187	0.100	-1.7	20.0
1,1,2,2-Tetrachloroethane	0.392	0.342	0.300	-12.8	20.0
1,3-Dichlorobenzene	0.646	0.684	0.600	5.8	20.0
1,4-Dichlorobenzene	0.674	0.714	0.500	6.0	20.0
1,2-Dichlorobenzene	0.632	0.658	0.400	4.1	20.0
1,2-Dibromo-3-chloropropane	0.056	0.047	0.050	-16.5	20.0
1,2,4-Trichlorobenzene	0.163	0.129	0.200	-21.0	20.0

All other compounds must meet a minimum RRF of 0.010.

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS165

Lab File ID: A80878.D BFB Injection Date: 05/02/14

Instrument ID: HP5971 BFB Injection Time: 16:15

GC Column: Rtx-624 ID: .18 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.0
75	30.0 - 60.0% of mass 95	46.9
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	69.3
175	5.0 - 9.0% of mass 174	4.6 (6.6)1
176	95.0 - 101.0% of mass 174	67.0 (96.7)1
177	5.0 - 9.0% of mass 176	4.4 (6.5)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VBLK050214A	VBLK050214	A80879.D	05/02/14	16:44
02	LFB050214A	LFB050214	A80880.D	05/02/14	17:13
03	MW-9 (10-12')DL	1404M09-006ADL	A80882.D	05/02/14	18:11
04	MW-10 (0-2')DL	1404M09-010ADL	A80883.D	05/02/14	18:40
05	MW-10 (8-10')RE	1404M09-014ARE	A80884.D	05/02/14	19:09
06	MW-10 DUP1	1404M09-015A	A80885.D	05/02/14	19:38

DRL 5-21-14

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS165

Instrument ID: HP5971 Calibration Date: 05/02/14 Time: 16:15

Lab File ID: A80878.D Init. Calib. Date(s): 10/24/13 10/24/13

EPA Sample No.(VSTD050##): VSTD050 Init. Calib. Times: 13:45 16:20

Heated Purge: (Y/N) Y

GC Column: Rtx-624 ID: .18 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	2.962	1.635	0.100	-44.8	20.0
Chloromethane	3.781	3.359	0.100	-11.2	20.0
Vinyl chloride	2.808	2.805	0.100	-0.1	20.0
Bromomethane	1.351	1.249	0.100	-7.5	20.0
Chloroethane	1.773	1.861	0.100	4.9	20.0
Trichlorofluoromethane	2.651	2.762	0.100	4.2	20.0
1,1-Dichloroethene	2.300	2.000	0.100	-13.1	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	2.268	2.054	0.100	-9.4	20.0
Acetone	0.453	0.731	0.100	61.5	20.0
Carbon disulfide	9.026	7.819	0.100	-13.4	20.0
Methyl Acetate	1.489	1.922	0.100	29.1	20.0
Methylene chloride	3.161	3.008	0.100	-4.8	20.0
trans-1,2-Dichloroethene	2.675	2.637	0.100	-1.4	20.0
Methyl tert-butyl ether	5.699	6.403	0.100	12.4	20.0
1,1-Dichloroethane	4.509	5.019	0.200	11.3	20.0
cis-1,2-Dichloroethene	2.912	3.045	0.100	4.6	20.0
2-Butanone	0.868	1.316	0.100	51.6	20.0
Chloroform	4.059	4.406	0.200	8.5	20.0
1,1,1-Trichloroethane	0.512	0.521	0.100	1.8	20.0
Cyclohexane	0.713	0.831	0.100	16.5	20.0
Carbon tetrachloride	0.434	0.417	0.100	-4.0	20.0
Benzene	1.708	1.816	0.500	6.3	20.0
1,2-Dichloroethane	2.514	3.021	0.100	20.2	20.0
Trichloroethene	0.447	0.449	0.200	0.4	20.0
Methylcyclohexane	0.566	0.739	0.100	30.5	20.0
1,2-Dichloropropane	0.440	0.502	0.100	14.0	20.0
Bromodichloromethane	0.507	0.554	0.200	9.2	20.0
cis-1,3-Dichloropropene	0.665	0.735	0.200	10.5	20.0
4-Methyl-2-pentanone	0.404	0.575	0.100	42.3	20.0
Toluene	2.019	1.973	0.400	-2.3	20.0
trans-1,3-Dichloropropene	0.563	0.633	0.100	12.4	20.0
1,1,2-Trichloroethane	0.326	0.370	0.100	13.6	20.0
Tetrachloroethene	0.391	0.344	0.200	-12.0	20.0
2-Hexanone	0.267	0.390	0.100	46.3	20.0
Dibromochloromethane	0.369	0.389	0.100	5.4	20.0

All other compounds must meet a minimum RRF of 0.010.

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS165

Lab File ID: A80820.D BFB Injection Date: 05/01/14

Instrument ID: HP5971 BFB Injection Time: 7:22

GC Column: Rtx-624 ID: .18 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.9
75	30.0 - 60.0% of mass 95	49.0
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	66.3
175	5.0 - 9.0% of mass 174	4.5 (6.8)1
176	95.0 - 101.0% of mass 174	63.4 (95.7)1
177	5.0 - 9.0% of mass 176	3.9 (6.2)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050	VSTD050	A80822.D	05/01/14	8:10
02	VBLK050114	VBLK050114	A80823.D	05/01/14	8:49
03	LFB050114	LFB050114	A80824.D	05/01/14	9:18
04	MW-9 (0-2')	1404M09-001A	A80839.D	05/01/14	16:33
05	MW-9 (2-4')	1404M09-002A	A80840.D	05/01/14	17:02
06	MW-9 (4-6')	1404M09-003A	A80841.D	05/01/14	17:31
07	MW-9 (6-8')	1404M09-004A	A80842.D	05/01/14	18:00
08	MW-9 (8-10')	1404M09-005A	A80843.D	05/01/14	18:29

7B

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS165

Instrument ID: HP5971 Calibration Date: 05/01/14 Time: 8:10

Lab File ID: A80822.D Init. Calib. Date(s): 10/24/13 10/24/13

EPA Sample No.(VSTD050##): VSTD050 Init. Calib. Times: 13:45 16:20

Heated Purge: (Y/N) Y

GC Column: Rtx-624 ID: .18 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	2.962	1.680	0.100	-43.3	20.0
Chloromethane	3.781	3.176	0.100	-16.0	20.0
Vinyl chloride	2.808	2.782	0.100	-0.9	20.0
Bromomethane	1.351	1.301	0.100	-3.7	20.0
Chloroethane	1.773	1.804	0.100	1.7	20.0
Trichlorofluoromethane	2.651	2.727	0.100	2.9	20.0
1,1-Dichloroethene	2.300	1.987	0.100	-13.6	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	2.268	2.021	0.100	-10.9	20.0
Acetone	0.453	0.703	0.100	55.4	20.0
Carbon disulfide	9.026	7.823	0.100	-13.3	20.0
Methyl Acetate	1.489	1.763	0.100	18.4	20.0
Methylene chloride	3.161	2.973	0.100	-5.9	20.0
trans-1,2-Dichloroethene	2.675	2.679	0.100	0.1	20.0
Methyl tert-butyl ether	5.699	6.284	0.100	10.3	20.0
1,1-Dichloroethane	4.509	4.907	0.200	8.8	20.0
cis-1,2-Dichloroethene	2.912	2.900	0.100	-0.4	20.0
2-Butanone	0.868	1.245	0.100	43.4	20.0
Chloroform	4.059	4.302	0.200	6.0	20.0
1,1,1-Trichloroethane	0.512	0.509	0.100	-0.5	20.0
Cyclohexane	0.713	0.783	0.100	9.8	20.0
Carbon tetrachloride	0.434	0.398	0.100	-8.4	20.0
Benzene	1.708	1.737	0.500	1.7	20.0
1,2-Dichloroethane	2.514	2.860	0.100	13.8	20.0
Trichloroethene	0.447	0.429	0.200	-4.1	20.0
Methylcyclohexane	0.566	0.693	0.100	22.4	20.0
1,2-Dichloropropane	0.440	0.469	0.100	6.6	20.0
Bromodichloromethane	0.507	0.529	0.200	4.2	20.0
cis-1,3-Dichloropropene	0.665	0.702	0.200	5.5	20.0
4-Methyl-2-pentanone	0.404	0.525	0.100	29.9	20.0
Toluene	2.019	1.906	0.400	-5.6	20.0
trans-1,3-Dichloropropene	0.563	0.610	0.100	8.3	20.0
1,1,2-Trichloroethane	0.326	0.344	0.100	5.6	20.0
Tetrachloroethene	0.391	0.340	0.200	-13.0	20.0
2-Hexanone	0.267	0.347	0.100	30.1	20.0
Dibromochloromethane	0.369	0.361	0.100	-2.2	20.0

All other compounds must meet a minimum RRF of 0.010.

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS165

Lab File ID: A80844.D BFB Injection Date: 05/01/14

Instrument ID: HP5971 BFB Injection Time: 18:58

GC Column: Rtx-624 ID: .18 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.6
75	30.0 - 60.0% of mass 95	46.6
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	71.1
175	5.0 - 9.0% of mass 174	5.6 (7.9)1
176	95.0 - 101.0% of mass 174	68.4 (96.3)1
177	5.0 - 9.0% of mass 176	5.2 (7.6)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VBLK050114A	VBLK050114A	A80845.D	05/01/14	19:27
02	LFB050114A	LFB050114A	A80846.D	05/01/14	19:56
03	MW-9 (10-12')	1404M09-006A	A80847.D	05/01/14	20:25
04	MW-9 (12-14')	1404M09-007A	A80848.D	05/01/14	20:54
05	MW-9 (14-16')	1404M09-008A	A80849.D	05/01/14	21:23
06	MW-9 DUP1	1404M09-009A	A80850.D	05/01/14	21:52
07	MW-10 (0-2')	1404M09-010A	A80851.D	05/01/14	22:21
08	MW-10 (2-4')	1404M09-011A	A80853.D	05/01/14	23:19
09	MW-10 (4-6')	1404M09-012A	A80855.D	05/02/14	0:17
10	MW-10 (6-8')	1404M09-013A	A80856.D	05/02/14	0:46
11	MW-10 (8-10')	1404M09-014A	A80857.D	05/02/14	1:15

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS165

Instrument ID: HP5971 Calibration Date: 05/01/14 Time: 18:58

Lab File ID: A80844.D Init. Calib. Date(s): 10/24/13 10/24/13

EPA Sample No.(VSTD050##): VSTD050 Init. Calib. Times: 13:45 16:20

Heated Purge: (Y/N) Y

GC Column: Rtx-624 ID: .18 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	2.962	1.784	0.100	-39.8	20.0
Chloromethane	3.781	3.394	0.100	-10.2	20.0
Vinyl chloride	2.808	2.950	0.100	5.1	20.0
Bromomethane	1.351	1.204	0.100	-10.9	20.0
Chloroethane	1.773	1.900	0.100	7.1	20.0
Trichlorofluoromethane	2.651	2.854	0.100	7.7	20.0
1,1-Dichloroethene	2.300	2.086	0.100	-9.3	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	2.268	2.151	0.100	-5.2	20.0
Acetone	0.453	0.722	0.100	59.6	20.0
Carbon disulfide	9.026	8.153	0.100	-9.7	20.0
Methyl Acetate	1.489	1.900	0.100	27.6	20.0
Methylene chloride	3.161	3.233	0.100	2.3	20.0
trans-1,2-Dichloroethene	2.675	2.784	0.100	4.1	20.0
Methyl tert-butyl ether	5.699	6.445	0.100	13.1	20.0
1,1-Dichloroethane	4.509	5.143	0.200	14.1	20.0
cis-1,2-Dichloroethene	2.912	3.190	0.100	9.5	20.0
2-Butanone	0.868	1.230	0.100	41.7	20.0
Chloroform	4.059	4.589	0.200	13.0	20.0
1,1,1-Trichloroethane	0.512	0.502	0.100	-1.9	20.0
Cyclohexane	0.713	0.768	0.100	7.7	20.0
Carbon tetrachloride	0.434	0.413	0.100	-4.9	20.0
Benzene	1.708	1.811	0.500	6.0	20.0
1,2-Dichloroethane	2.514	3.072	0.100	22.2	20.0
Trichloroethene	0.447	0.446	0.200	-0.3	20.0
Methylcyclohexane	0.566	0.702	0.100	23.9	20.0
1,2-Dichloropropane	0.440	0.486	0.100	10.4	20.0
Bromodichloromethane	0.507	0.547	0.200	7.8	20.0
cis-1,3-Dichloropropene	0.665	0.696	0.200	4.6	20.0
4-Methyl-2-pentanone	0.404	0.519	0.100	28.4	20.0
Toluene	2.019	2.000	0.400	-1.0	20.0
trans-1,3-Dichloropropene	0.563	0.592	0.100	5.1	20.0
1,1,2-Trichloroethane	0.326	0.353	0.100	8.3	20.0
Tetrachloroethene	0.391	0.350	0.200	-10.4	20.0
2-Hexanone	0.267	0.348	0.100	30.5	20.0
Dibromochloromethane	0.369	0.376	0.100	1.9	20.0

All other compounds must meet a minimum RRF of 0.010.

Pace Long Island

GC/MS VOLATILE ANALYSIS

		Std. Log Pg.	Prep Date	Sol'n ID	Lot #
	CAL 82	~~3/5, 3/12~~	3/5, 3/12	Restek kit	A094181, A092874, A890981
	ICV				
	MS	82	3/5/3/12	Restek kit	A094181, A092874, A890981
	QC CHECK	82	↓	↓	↓
INSTRUMENT: HP5971	SURR.	83	3/31/14	STM-262	CJ-4239
SCAN:	I.S.	83	3/31/14	STM-272-1	CG-10982
COLUMN: RTX-624	BFB	76	10/23/13	BFB	C4-3249

Balance ID: CS 200
pH paper lot #:
Cl strip lot #:

ANALYST'S SIGNATURE	DATE	RUN #	LAB SAMPLE ID	CLIENT SAMPLE ID	CONTAINER #	INJ TIME	VOL WT	HEAT. PURG. Y/N	METHOD	pH	Cl	QDEL	IMPORT	TEST CODE	SDG	COMMENTS
MM	5/1/14	A80843	1404M09-005A		1	18:29	4.9g	Y	RGS 1024				/	8260-S+Y-2	URS 165	
	cont.	A80844	VSTD050			18:58							/			
		A80845	VBLK050114A			19:27							/			
		A80846	LFB050114A			19:56							/			
		A80847	1404M09-006A		1	20:25	5.0g						/		URS165	RR 10x
		A80848	1404M09-007A		1	20:54	5.0g						/			
		A80849	1404M09-008A		1	21:23	5.1g						/			
		A80850	1404M09-009A		1	21:52	5.0g						/			
		A80851	1404M09-010A		1	22:21	4.9g						/			RR 5x
		A80852	1404M09-010AMS		1	22:50	4.9g						/			
		A80853	1404M09-011A		1	23:19	5.2g						/			
		A80854	1404M09-011AD		1	23:48	5.2g						/			
	5/2/14	A80855	1404M09-012A		1	00:17	5.3g						/			
		A80856	1404M09-013A		1	00:46	5.3g						/			
		A80857	1404M09-014A		1	01:15	4.9g						/			RR IS
		A80858	1404M09-015A		1	01:44	4.9g						/			RR IS
		A80859	1404M38-001A		4	02:13	0.5g						/			
		A80860	1405059-001A		1	02:42	4.9g						/			
		A80861	1405059-003A		1	03:10	5.04g						/			

4B

EPA SAMPLE NO.

SEMIVOLATILE METHOD BLANK SUMMARY

MB-44473

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS165

Lab File ID: R22300.D Lab Sample ID: MB-44473

Instrument ID: HP5973R Date Extracted: 05/10/14

Matrix: (soil/water) SOIL Date Analyzed: 05/18/14

Level: (low/med) LOW Time Analyzed: 0:20

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
1	LFB-44473	LFB-44473	R22301.D	5/18/2014
2	MW-9 (8-10')	1404M09-005B	R22302.D	5/18/2014
3	MW-9 (10-12')	1404M09-006B	R22303.D	5/18/2014
4	MW-9 (12-14')	1404M09-007B	R22304.D	5/18/2014
5	MW-9 (14-16')	1404M09-008B	R22305.D	5/18/2014
6	MW-9 DUP1	1404M09-009B	R22306.D	5/18/2014
7	MW-10 (0-2')	1404M09-010B	R22307.D	5/18/2014
8	MW-10 (2-4')	1404M09-011B	R22308.D	5/18/2014
9	MW-10 (4-6')	1404M09-012B	R22309.D	5/18/2014
10	MW-10 (6-8')	1404M09-013B	R22310.D	5/18/2014
11	MW-10 (8-10')	1404M09-014B	R22311.D	5/18/2014
12	MW-10 DUP1	1404M09-015B	R22312.D	5/18/2014

COMMENTS: _____

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MB-44473

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS165

Matrix: (soil/water) SOIL Lab Sample ID: MB-44473

Sample wt/vol: 15 (g/mL) g Lab File ID: R22300.D

Level: (low/med) LOW Date Received:

% Moisture: Decanted: (Y/N) N Date Extracted: 05/10/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 05/18/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
100-52-7	Benzaldehyde	330	U
108-95-2	Phenol	200	U
111-44-4	Bis(2-chloroethyl)ether	330	U
95-57-8	2-Chlorophenol	330	U
95-48-7	2-Methylphenol	200	U
108-60-1	2,2´-oxybis(1-chloropropane)	330	U
98-86-2	Acetophenone	78	J
106-44-5	4-Methylphenol	200	U
621-64-7	N-Nitroso-di-n-propylamine	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
111-91-1	Bis(2-chloroethoxy)methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
105-60-2	Caprolactam	330	U
59-50-7	4-Chloro-3-methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	830	U
92-52-4	1,1´-Biphenyl	330	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	830	U
131-11-3	Dimethylphthalate	330	U
606-20-2	2,6-Dinitrotoluene	330	U
208-96-8	Acenaphthylene	330	U
99-09-2	3-Nitroaniline	830	U
83-32-9	Acenaphthene	330	U
51-28-5	2,4-Dinitrophenol	830	U
100-02-7	4-Nitrophenol	830	U
132-64-9	Dibenzofuran	330	U

1D

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MB-44473

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS165

Matrix: (soil/water) SOIL Lab Sample ID: MB-44473

Sample wt/vol: 15 (g/mL) g Lab File ID: R22300.D

Level: (low/med) LOW Date Received:

% Moisture: Decanted: (Y/N) N Date Extracted: 05/10/14

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 05/18/14

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: Extraction: (Type) PFEX

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/kg	Q
121-14-2	2,4-Dinitrotoluene	330	U
84-66-2	Diethylphthalate	330	U
86-73-7	Fluorene	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
100-01-6	4-Nitroaniline	830	U
534-52-1	4,6-Dinitro-2-methylphenol	830	U
86-30-6	N-Nitrosodiphenylamine	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
1912-24-9	Atrazine	330	U
87-86-5	Pentachlorophenol	500	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
86-74-8	Carbazole	330	U
84-74-2	Di-n-butyl phthalate	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
85-68-7	Butyl benzyl phthalate	330	U
91-94-1	3,3´-Dichlorobenzidine	330	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
117-81-7	Bis(2-ethylhexyl)phthalate	330	U
117-84-0	Di-n-octyl phthalate	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenzo(a,h)anthracene	200	U
191-24-2	Benzo(g,h,i)perylene	330	U

(1) Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

MB-44473

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS165

Matrix: (soil/water) SOIL Lab Sample ID: MB-44473

Sample wt/vol: 15 (g/mL) g Lab File ID: R22300.D

Level: (low/med) LOW Date Received:

% Moisture: Decanted:(Y/N) N Date Extracted: 05/10/14

Concentrated Extract Volume: 1000 (µl) Date Analyzed: 05/18/14

Injection Volume: 2 (µl) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: Extraction: (Type) PFEX

CONCENTRATION UNITS:

Number TICs found: 7 (µg/L or µg/Kg) µg/kg

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	unknown (3.22)	3.22	140	J
2. 123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.41	32000	AJN
3.	unknown (3.82)	3.82	550	J
4.	unknown (3.91)	3.91	180	J
5.	unknown (4.01)	4.01	800	J
6. 556-67-2	Cyclotetrasiloxane, octamethyl-	4.19	410	JNX
7. 3319-31-1	tri(2-Ethylhexyl) trimellitate	17.67	240	JN

Quantitation Report (LSC Reviewed)

Data File : C:\DATA\2014\MAY14\051714\R22300.D Vial: 4
Acq On : 18 May 2014 00:20 Operator: SH
Sample : MB-44473 Inst : HP5973R
Misc : ,,SOIL,MBLK,, Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 18 00:39:52 2014 Quant Results File: 0513RT1.RES

Quant Method : C:\MSDCHEM\1...\0513RT1.M (RTE Integrator)
Title : BNA Calibration Lot R pg. 87; BN392 Lot M pg. 9
Last Update : Sun May 18 00:03:17 2014
Response via : Initial Calibration
DataAcq Meth : 0513RT1

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.51	152	35827	20.00	µg/mL	-0.03
35) Naphthalene-d8	6.07	136	125450	20.00	µg/mL	-0.04
60) Acenaphthene-d10	9.13	164	80617	20.00	µg/mL	-0.04
95) Phenanthrene-d10	12.01	188	138047	20.00	µg/mL	-0.05
124) Chrysene-d12	15.06	240	154619	20.00	µg/mL	-0.03
141) Perylene-d12	16.16	264	134945	20.00	µg/mL	-0.03
System Monitoring Compounds						
7) 2-Fluorophenol	3.62	112	50477	26.46	µg/mL	-0.05
Spiked Amount 37.500	Range 25 - 121		Recovery = 70.56%			
12) Phenol-d5	4.27	99	60795	24.00	µg/mL	-0.06
Spiked Amount 37.500	Range 24 - 113		Recovery = 64.00%			
17) 2-Chlorophenol-d4	4.35	132	58568	26.07	µg/mL	-0.04
Spiked Amount 37.500	Range 20 - 130		Recovery = 69.52%			
23) 1,2-Dichlorobenzene-d4	4.67	152	27022	16.43	µg/mL	-0.03
Spiked Amount 25.000	Range 20 - 130		Recovery = 65.72%			
36) Nitrobenzene-d5	5.12	82	42028	19.11	µg/mL	-0.04
Spiked Amount 25.000	Range 23 - 120		Recovery = 76.44%			
65) 2-Fluorobiphenyl	7.92	172	98510	18.61	µg/mL	-0.04
Spiked Amount 25.000	Range 30 - 115		Recovery = 74.44%			
94) 2,4,6-Tribromophenol	10.68	330	16100	23.02	µg/mL	-0.05
Spiked Amount 37.500	Range 19 - 122		Recovery = 61.39%			
127) 4-Terphenyl-d14	14.18	244	336852	51.25	µg/mL	-0.02
Spiked Amount 25.000	Range 18 - 137		Recovery = 205.00%#			
Target Compounds						Qvalue
27) Acetophenone	4.95	105	3557	1.17	µg/mL#	73
140) bis(2-Ethylhexyl)phthalate	15.10	149	7430	1.03	µg/mL#	92

(#) = qualifier out of range (m) = manual integration
R22300.D 0513RT1.M Wed May 21 16:11:45 2014 Page 1

URS165 B599

4B

EPA SAMPLE NO.

SEMIVOLATILE METHOD BLANK SUMMARY

MB-44417

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS165

Lab File ID: N65549.D Lab Sample ID: MB-44417

Instrument ID: HP5973N Date Extracted: 05/07/14

Matrix: (soil/water) SOIL Date Analyzed: 05/09/14

Level: (low/med) LOW Time Analyzed: 19:36

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
1	LFB-44417	LFB-44417	N65550.D	5/9/2014
2	MW-9 (2-4')	1404M09-002B	N65663.D	5/13/2014
3	MW-9 (4-6')	1404M09-003B	N65664.D	5/13/2014
4	MW-9 (6-8')	1404M09-004B	N65665.D	5/13/2014
5	MW-9 (0-2')	1404M09-001B	N65666.D	5/13/2014

COMMENTS: _____

1G

EPA SAMPLE NO.

MB-44417

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS165

Matrix: (soil/water) SOIL Lab Sample ID: MB-44417

Sample wt/vol: 15 (g/mL) g Lab File ID: N65549.D

Level: (low/med) LOW Date Received:

% Moisture: Decanted:(Y/N) N Date Extracted: 05/07/14

Concentrated Extract Volume: 1000 (µl) Date Analyzed: 05/09/14

Injection Volume: 2 (µl) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: Extraction: (Type) PFEX

CONCENTRATION UNITS:

Number TICs found: 5 (µg/L or µg/Kg) µg/kg

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1. 123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	4.05	11000	AJN
2.	unknown (4.63)	4.63	510	J
3.	unknown (4.76)	4.76	130	J
4.	unknown (4.87)	4.87	760	J
5.	unknown (15.86)	15.86	150	J

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS165

Lab File ID: R21998.D DFTPP Injection Date: 05/06/14

Instrument ID: HP5973R DFTPP Injection Time: 17:36

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	38.5
68	Less than 2% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	47.9
70	Less than 2% of mass 69	0.3 (0.5)1
127	40.0 - 60.0% of mass 198	53.8
197	Less than 1% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5.0 - 9.0% of mass 198	6.8
275	10.0 - 30.0% of mass 198	23.9
365	Greater than 1% of mass 198	2.4
441	Present, but less than mass 443	7.5
442	40.0 - 110.0% of mass 198	49.2
443	17.0 - 23.0% of mass 442	9.5 (19.4)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD025	SSTD025	R21999.D	05/06/14	17:56
02	MB-44358	MB-44358	R22000.D	05/06/14	18:28
03	LFB-44358	LFB-44358	R22001.D	05/06/14	18:57
04	EQMT BLK 2	1404M09-016B	R22002.D	05/06/14	19:27

7D

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS165

Instrument ID: HP5973R Calibration Date: 5/6/2014 Time: 17:56

Lab File ID: R21999.D Init. Calib. Date(s): 03/24/14 03/24/14

EPA Sample No.(SSTD050##): SSTD025 Init. Calib. Times: 4:05 7:00

GC Column: R-5SILMS ID: .25 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Benzaldehyde	0.955	0.334	0.010	-65.0	20.0
Phenol	1.777	1.630	0.800	-8.3	20.0
Bis(2-chloroethyl)ether	1.364	0.986	0.700	-27.7	20.0
2-Chlorophenol	1.297	1.313	0.800	1.2	20.0
2-Methylphenol	1.204	1.068	0.700	-11.3	20.0
2,2'-oxybis(1-chloropropane)	1.525	1.069	0.010	-29.9	20.0
Acetophenone	1.742	1.806	0.010	3.7	20.0
4-Methylphenol	1.251	1.211	0.600	-3.2	20.0
N-Nitroso-di-n-propylamine	1.016	0.840	0.500	-17.3	20.0
Hexachloroethane	0.625	0.661	0.300	5.8	20.0
Nitrobenzene	0.378	0.359	0.200	-5.0	20.0
Isophorone	0.726	0.600	0.400	-17.4	20.0
2-Nitrophenol	0.172	0.192	0.100	11.9	20.0
2,4-Dimethylphenol	0.353	0.388	0.200	10.0	20.0
Bis(2-chloroethoxy)methane	0.446	0.333	0.300	-25.4	20.0
2,4-Dichlorophenol	0.311	0.309	0.200	-0.8	20.0
Naphthalene	0.976	1.020	0.700	4.5	20.0
4-Chloroaniline	0.439	0.439	0.010	0.1	20.0
Hexachlorobutadiene	0.237	0.231	0.010	-2.4	20.0
Caprolactam	0.105	0.087	0.010	-17.0	20.0
4-Chloro-3-methylphenol	0.283	0.331	0.200	16.9	20.0
2-Methylnaphthalene	0.685	0.697	0.400	1.7	20.0
Hexachlorocyclopentadiene	0.396	0.135	0.050	-65.9	20.0
2,4,6-Trichlorophenol	0.382	0.345	0.200	-9.7	20.0
2,4,5-Trichlorophenol	0.406	0.353	0.200	-13.1	20.0
1,1'-Biphenyl	1.298	1.360	0.010	4.8	20.0
2-Chloronaphthalene	1.081	1.107	0.800	2.4	20.0
2-Nitroaniline	0.332	0.314	0.010	-5.3	20.0
Dimethylphthalate	1.243	1.326	0.010	6.7	20.0
2,6-Dinitrotoluene	0.261	0.282	0.200	7.9	20.0
Acenaphthylene	1.651	1.684	0.900	2.0	20.0
3-Nitroaniline	0.273	0.301	0.010	10.2	20.0
Acenaphthene	1.039	1.110	0.900	6.8	20.0
2,4-Dinitrophenol	0.100	0.053	0.010	-46.9	20.0
4-Nitrophenol	0.129	0.210	0.010	63.1	20.0
Dibenzofuran	1.526	1.544	0.800	1.2	20.0
2,4-Dinitrotoluene	0.319	0.404	0.200	26.6	20.0
Diethylphthalate	1.224	1.385	0.010	13.2	20.0

All other compounds must meet a minimum RRF of 0.010.

7D

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS165

Instrument ID: HP5973R Calibration Date: 5/6/2014 Time: 17:56

Lab File ID: R21999.D Init. Calib. Date(s): 03/24/14 03/24/14

EPA Sample No.(SSTD050##): SSTD025 Init. Calib. Times: 4:05 7:00

GC Column: R-5SILMS ID: .25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Fluorene	1.233	1.273	0.900	3.3	20.0
4-Chlorophenyl-phenylether	0.651	0.607	0.400	-6.8	20.0
4-Nitroaniline	0.263	0.278	0.010	5.8	20.0
4,6-Dinitro-2-methylphenol	0.099	0.074	0.010	-25.0	20.0
N-Nitrosodiphenylamine	0.610	0.647	0.010	6.0	20.0
4-Bromophenyl-phenylether	0.234	0.225	0.100	-4.0	20.0
Hexachlorobenzene	0.247	0.241	0.100	-2.4	20.0
Atrazine	0.187	0.194	0.010	3.8	20.0
Pentachlorophenol	0.155	0.035	0.050	-77.4	20.0
Phenanthrene	1.030	1.073	0.700	4.1	20.0
Anthracene	1.066	1.094	0.700	2.7	20.0
Carbazole	0.982	1.041	0.010	6.0	20.0
Di-n-butyl phthalate	1.274	1.460	0.010	14.6	20.0
Fluoranthene	1.264	1.270	0.600	0.5	20.0
Pyrene	1.099	1.115	0.600	1.4	20.0
Butyl benzyl phthalate	0.505	0.596	0.010	18.1	20.0
3,3'-Dichlorobenzidine	0.364	0.352	0.010	-3.4	20.0
Benzo(a)anthracene	1.116	1.111	0.800	-0.5	20.0
Chrysene	0.978	1.020	0.700	4.3	20.0
Bis(2-ethylhexyl)phthalate	0.730	0.914	0.010	25.2	20.0
Di-n-octyl phthalate	1.384	1.638	0.010	18.3	20.0
Benzo(b)fluoranthene	1.445	1.400	0.700	-3.1	20.0
Benzo(k)fluoranthene	0.968	0.954	0.700	-1.4	20.0
Benzo(a)pyrene	1.138	1.110	0.700	-2.5	20.0
Indeno(1,2,3-cd)pyrene	1.261	1.275	0.500	1.1	20.0
Dibenzo(a,h)anthracene	1.065	1.084	0.400	1.7	20.0
Benzo(g,h,i)perylene	1.035	1.024	0.500	-1.1	20.0

All other compounds must meet a minimum RRF of 0.010.

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS165

Lab File ID: N65656.D DFTPP Injection Date: 05/13/14

Instrument ID: HP5973N DFTPP Injection Time: 18:08

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	36.6
68	Less than 2% of mass 69	0.1 (0.2)1
69	Mass 69 relative abundance	39.7
70	Less than 2% of mass 69	0.3 (0.9)1
127	40.0 - 60.0% of mass 198	47.6
197	Less than 1% of mass 198	0.1
198	Base peak, 100% relative abundance	100.0
199	5.0 - 9.0% of mass 198	7.1
275	10.0 - 30.0% of mass 198	24.2
365	Greater than 1% of mass 198	2.6
441	Present, but less than mass 443	10.1
442	40.0 - 110.0% of mass 198	64.3
443	17.0 - 23.0% of mass 442	12.8 (20.0)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD025	SSTD025	N65658R.D	05/13/14	19:00
02	MW-9 (2-4')	1404M09-002B	N65663.D	05/13/14	21:35
03	MW-9 (4-6')	1404M09-003B	N65664.D	05/13/14	22:06
04	MW-9 (6-8')	1404M09-004B	N65665.D	05/13/14	22:37
05	MW-9 (0-2')	1404M09-001B	N65666.D	05/13/14	23:08

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS165

Instrument ID: HP5973N Calibration Date: 5/13/2014 Time: 19:00

Lab File ID: N65658R.D Init. Calib. Date(s): 05/07/14 05/07/14

EPA Sample No.(SSTD050##): SSTD025 Init. Calib. Times: 11:40 15:35

GC Column: Rxi-5SILMS ID: 0.25 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Benzaldehyde	0.873	0.603	0.010	-31.0	20.0
Phenol	1.729	1.632	0.800	-5.6	20.0
Bis(2-chloroethyl)ether	1.416	1.222	0.700	-13.7	20.0
2-Chlorophenol	1.390	1.314	0.800	-5.5	20.0
2-Methylphenol	1.190	1.234	0.700	3.7	20.0
2,2'-oxybis(1-chloropropane)	1.959	1.742	0.010	-11.1	20.0
Acetophenone	1.774	1.710	0.010	-3.6	20.0
4-Methylphenol	1.346	1.325	0.600	-1.6	20.0
N-Nitroso-di-n-propylamine	0.967	0.876	0.500	-9.4	20.0
Hexachloroethane	0.627	0.576	0.300	-8.1	20.0
Nitrobenzene	0.383	0.355	0.200	-7.2	20.0
Isophorone	0.669	0.654	0.400	-2.3	20.0
2-Nitrophenol	0.189	0.205	0.100	8.5	20.0
2,4-Dimethylphenol	0.348	0.344	0.200	-1.1	20.0
Bis(2-chloroethoxy)methane	0.406	0.401	0.300	-1.3	20.0
2,4-Dichlorophenol	0.278	0.311	0.200	11.9	20.0
Naphthalene	1.081	1.058	0.700	-2.1	20.0
4-Chloroaniline	0.425	0.446	0.010	5.0	20.0
Hexachlorobutadiene	0.184	0.201	0.010	9.5	20.0
Caprolactam	0.100	0.103	0.010	3.4	20.0
4-Chloro-3-methylphenol	0.263	0.279	0.200	6.1	20.0
2-Methylnaphthalene	0.704	0.733	0.400	4.1	20.0
Hexachlorocyclopentadiene	0.282	0.307	0.050	8.9	20.0
2,4,6-Trichlorophenol	0.344	0.351	0.200	2.1	20.0
2,4,5-Trichlorophenol	0.345	0.394	0.200	14.3	20.0
1,1'-Biphenyl	1.641	1.510	0.010	-8.0	20.0
2-Chloronaphthalene	1.263	1.149	0.800	-9.1	20.0
2-Nitroaniline	0.359	0.354	0.010	-1.3	20.0
Dimethylphthalate	1.210	1.251	0.010	3.4	20.0
2,6-Dinitrotoluene	0.270	0.296	0.200	9.5	20.0
Acenaphthylene	1.958	1.898	0.900	-3.1	20.0
3-Nitroaniline	0.305	0.318	0.010	4.1	20.0
Acenaphthene	1.288	1.224	0.900	-5.0	20.0
2,4-Dinitrophenol	0.082	0.123	0.010	50.1	20.0
4-Nitrophenol	0.157	0.125	0.010	-20.2	20.0
Dibenzofuran	1.616	1.645	0.800	1.8	20.0
2,4-Dinitrotoluene	0.360	0.389	0.200	8.2	20.0
Diethylphthalate	1.252	1.258	0.010	0.5	20.0

All other compounds must meet a minimum RRF of 0.010.

7D

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS165

Instrument ID: HP5973N Calibration Date: 5/13/2014 Time: 19:00

Lab File ID: N65658R.D Init. Calib. Date(s): 05/07/14 05/07/14

EPA Sample No.(SSTD050##): SSTD025 Init. Calib. Times: 11:40 15:35

GC Column: Rxi-5SILMS ID: 0.25 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Fluorene	1.382	1.373	0.900	-0.7	20.0
4-Chlorophenyl-phenylether	0.604	0.641	0.400	6.1	20.0
4-Nitroaniline	0.287	0.310	0.010	8.0	20.0
4,6-Dinitro-2-methylphenol	0.094	0.125	0.010	33.2	20.0
N-Nitrosodiphenylamine	0.707	0.690	0.010	-2.4	20.0
4-Bromophenyl-phenylether	0.238	0.246	0.100	3.5	20.0
Hexachlorobenzene	0.277	0.292	0.100	5.3	20.0
Atrazine	0.162	0.183	0.010	13.3	20.0
Pentachlorophenol	0.134	0.131	0.050	-2.0	20.0
Phenanthrene	1.266	1.174	0.700	-7.2	20.0
Anthracene	1.234	1.198	0.700	-2.9	20.0
Carbazole	1.021	1.057	0.010	3.5	20.0
Di-n-butyl phthalate	1.433	1.319	0.010	-8.0	20.0
Fluoranthene	1.261	1.269	0.600	0.6	20.0
Pyrene	1.227	1.233	0.600	0.5	20.0
Butyl benzyl phthalate	0.629	0.538	0.010	-14.5	20.0
3,3'-Dichlorobenzidine	0.386	0.395	0.010	2.2	20.0
Benzo(a)anthracene	1.154	1.146	0.800	-0.7	20.0
Chrysene	1.002	1.030	0.700	2.8	20.0
Bis(2-ethylhexyl)phthalate	0.909	0.736	0.010	-19.1	20.0
Di-n-octyl phthalate	1.889	1.407	0.010	-25.5	20.0
Benzo(b)fluoranthene	1.471	1.340	0.700	-8.9	20.0
Benzo(k)fluoranthene	1.292	1.182	0.700	-8.5	20.0
Benzo(a)pyrene	1.180	1.157	0.700	-1.9	20.0
Indeno(1,2,3-cd)pyrene	1.200	1.214	0.500	1.2	20.0
Dibenzo(a,h)anthracene	0.998	1.030	0.400	3.2	20.0
Benzo(g,h,i)perylene	0.901	1.051	0.500	16.7	20.0

All other compounds must meet a minimum RRF of 0.010.

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS165

Lab File ID: R22297.D DFTPP Injection Date: 05/17/14

Instrument ID: HP5973R DFTPP Injection Time: 23:05

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	42.6
68	Less than 2% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	50.3
70	Less than 2% of mass 69	0.1 (0.1)1
127	40.0 - 60.0% of mass 198	54.5
197	Less than 1% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5.0 - 9.0% of mass 198	6.6
275	10.0 - 30.0% of mass 198	24.1
365	Greater than 1% of mass 198	2.9
441	Present, but less than mass 443	6.6
442	40.0 - 110.0% of mass 198	46.5
443	17.0 - 23.0% of mass 442	9.2 (19.8)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD025	SSTD025	R22298.D	05/17/14	23:24
02	MB-44473	MB-44473	R22300.D	05/18/14	0:20
03	LFB-44473	LFB-44473	R22301.D	05/18/14	0:49
04	MW-9 (8-10')	1404M09-005B	R22302.D	05/18/14	1:16
05	MW-9 (10-12')	1404M09-006B	R22303.D	05/18/14	1:44
06	MW-9 (12-14')	1404M09-007B	R22304.D	05/18/14	2:11
07	MW-9 (14-16')	1404M09-008B	R22305.D	05/18/14	2:39
08	MW-9 DUP1	1404M09-009B	R22306.D	05/18/14	3:06
09	MW-10 (0-2')	1404M09-010B	R22307.D	05/18/14	3:34
10	MW-10 (2-4')	1404M09-011B	R22308.D	05/18/14	4:01
11	MW-10 (4-6')	1404M09-012B	R22309.D	05/18/14	4:29
12	MW-10 (6-8')	1404M09-013B	R22310.D	05/18/14	4:56
13	MW-10 (8-10')	1404M09-014B	R22311.D	05/18/14	5:24
14	MW-10 DUP1	1404M09-015B	R22312.D	05/18/14	5:51

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS165

Instrument ID: HP5973R Calibration Date: 5/17/2014 Time: 23:24

Lab File ID: R22298.D Init. Calib. Date(s): 05/13/14 05/13/14

EPA Sample No.(SSTD050##): SSTD025 Init. Calib. Times: 0:37 3:44

GC Column: R-5SILMS ID: .25 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Benzaldehyde	0.762	0.593	0.010	-22.2	20.0
Phenol	1.327	1.476	0.800	11.3	20.0
Bis(2-chloroethyl)ether	0.977	1.015	0.700	3.8	20.0
2-Chlorophenol	1.313	1.360	0.800	3.6	20.0
2-Methylphenol	1.028	1.149	0.700	11.7	20.0
2,2'-oxybis(1-chloropropane)	1.029	1.058	0.010	2.8	20.0
Acetophenone	1.695	1.749	0.010	3.2	20.0
4-Methylphenol	1.052	1.082	0.600	2.8	20.0
N-Nitroso-di-n-propylamine	0.822	0.866	0.500	5.4	20.0
Hexachloroethane	0.684	0.669	0.300	-2.1	20.0
Nitrobenzene	0.358	0.378	0.200	5.5	20.0
Isophorone	0.587	0.608	0.400	3.6	20.0
2-Nitrophenol	0.191	0.199	0.100	4.3	20.0
2,4-Dimethylphenol	0.407	0.386	0.200	-5.2	20.0
Bis(2-chloroethoxy)methane	0.337	0.347	0.300	2.9	20.0
2,4-Dichlorophenol	0.316	0.323	0.200	2.1	20.0
Naphthalene	1.070	1.055	0.700	-1.4	20.0
4-Chloroaniline	0.452	0.462	0.010	2.1	20.0
Hexachlorobutadiene	0.266	0.253	0.010	-5.0	20.0
Caprolactam	0.082	0.089	0.010	8.6	20.0
4-Chloro-3-methylphenol	0.311	0.316	0.200	1.5	20.0
2-Methylnaphthalene	0.782	0.761	0.400	-2.7	20.0
Hexachlorocyclopentadiene	0.332	0.353	0.050	6.4	20.0
2,4,6-Trichlorophenol	0.328	0.347	0.200	5.9	20.0
2,4,5-Trichlorophenol	0.329	0.372	0.200	12.9	20.0
1,1'-Biphenyl	1.486	1.446	0.010	-2.7	20.0
2-Chloronaphthalene	1.113	1.129	0.800	1.5	20.0
2-Nitroaniline	0.304	0.325	0.010	6.9	20.0
Dimethylphthalate	1.395	1.348	0.010	-3.3	20.0
2,6-Dinitrotoluene	0.306	0.301	0.200	-1.7	20.0
Acenaphthylene	1.805	1.787	0.900	-1.0	20.0
3-Nitroaniline	0.299	0.304	0.010	1.8	20.0
Acenaphthene	1.192	1.157	0.900	-2.9	20.0
2,4-Dinitrophenol	0.149	0.144	0.010	-3.1	20.0
4-Nitrophenol	0.164	0.259	0.010	57.5	20.0
Dibenzofuran	1.628	1.596	0.800	-2.0	20.0
2,4-Dinitrotoluene	0.412	0.418	0.200	1.5	20.0
Diethylphthalate	1.490	1.480	0.010	-0.7	20.0

All other compounds must meet a minimum RRF of 0.010.

7D

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS165

Instrument ID: HP5973R Calibration Date: 5/17/2014 Time: 23:24

Lab File ID: R22298.D Init. Calib. Date(s): 05/13/14 05/13/14

EPA Sample No.(SSTD050##): SSTD025 Init. Calib. Times: 0:37 3:44

GC Column: R-5SILMS ID: .25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Fluorene	1.328	1.321	0.900	-0.5	20.0
4-Chlorophenyl-phenylether	0.665	0.653	0.400	-1.8	20.0
4-Nitroaniline	0.272	0.279	0.010	2.7	20.0
4,6-Dinitro-2-methylphenol	0.129	0.136	0.010	5.2	20.0
N-Nitrosodiphenylamine	0.653	0.665	0.010	1.9	20.0
4-Bromophenyl-phenylether	0.244	0.243	0.100	-0.5	20.0
Hexachlorobenzene	0.270	0.246	0.100	-8.8	20.0
Atrazine	0.207	0.213	0.010	3.0	20.0
Pentachlorophenol	0.060	0.111	0.050	83.9	20.0
Phenanthrene	1.115	1.125	0.700	0.9	20.0
Anthracene	1.165	1.163	0.700	-0.2	20.0
Carbazole	1.027	1.064	0.010	3.6	20.0
Di-n-butyl phthalate	1.535	1.574	0.010	2.6	20.0
Fluoranthene	1.332	1.364	0.600	2.4	20.0
Pyrene	1.112	1.134	0.600	2.0	20.0
Butyl benzyl phthalate	0.600	0.611	0.010	1.9	20.0
3,3'-Dichlorobenzidine	0.390	0.377	0.010	-3.3	20.0
Benzo(a)anthracene	1.181	1.167	0.800	-1.2	20.0
Chrysene	1.048	1.038	0.700	-0.9	20.0
Bis(2-ethylhexyl)phthalate	0.929	0.917	0.010	-1.3	20.0
Di-n-octyl phthalate	1.685	1.809	0.010	7.4	20.0
Benzo(b)fluoranthene	1.420	1.365	0.700	-3.9	20.0
Benzo(k)fluoranthene	1.095	1.190	0.700	8.6	20.0
Benzo(a)pyrene	1.160	1.182	0.700	1.9	20.0
Indeno(1,2,3-cd)pyrene	1.351	1.399	0.500	3.5	20.0
Dibenzo(a,h)anthracene	1.152	1.202	0.400	4.3	20.0
Benzo(g,h,i)perylene	1.126	1.154	0.500	2.5	20.0

All other compounds must meet a minimum RRF of 0.010.

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR PESTICIDES ANALYSES
SAMPLES RECEIVED: 4/30/14
SDG #: URS165

For Sample(s):

MW-9 (0-2')	MW-9 (12-14')	MW-10 (4-6')
MW-9 (2-4')	MW-9 (14-16')	MW-10 (6-8')
MW-9 (4-6')	MW-9 DUP1	MW-10 (8-10')
MW-9 (6-8')	MW-10 (0-2')	MW-10 DUP1
MW-9 (8-10')	MW-10 (2-4')	EQMT BLK 2
MW-9 (10-12')		

The above soil sample(s) and blank(s) was/were analyzed for a select list of pesticides by EPA method 8081B.

All Q. C. data and calibrations met the requirements of the method unless discussed below, and no problems were encountered with sample analysis. The following should be noted:

Sample MW-~~9 (0-2')~~ 10 (2-4') was submitted for matrix spike / matrix spike duplicate (MS/MSD) analysis. One recovery in the MS and two recoveries in the MSD did no meet the Q. C. limits. Recoveries for the lab fortified blanks (LFB) for toxaphene and the mix of single peak pesticides indicate good method efficiency.

7/10/14 RC

Positives are reported to the practical detection limits of ½ of the reporting limits (PQL).

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: May 21, 2014

****
* *
* *
****

Ursula Middel
Quality Analyst

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR HERBICIDES ANALYSES
SAMPLES RECEIVED: 4/30/14
SDG #: URS165

For Sample(s):

MW-9 (0-2')	MW-9 (12-14')	MW-10 (4-6')
MW-9 (2-4')	MW-9 (14-16')	MW-10 (6-8')
MW-9 (4-6')	MW-9 DUP1	MW-10 (8-10')
MW-9 (6-8')	MW-10 (0-2')	MW-10 DUP1
MW-9 (8-10')	MW-10 (2-4')	EQMT BLK 2
MW-9 (10-12')		

The above soil sample(s) and blank(s) was/were analyzed for a select list of herbicides by EPA method 8151A. Please note that ELAP / NELAC do not offer certification for picloram.

All Q. C. data and calibrations met the requirements of the method unless discussed below, and no problems were encountered with sample analysis. The following should be noted:

Sample MW-9 (0-2') was submitted for matrix spike / matrix spike duplicate (MS/MSD) analysis. All percent recoveries and RPDs met the Q. C. limits. Recoveries for the lab fortified blank(s) (LFB) indicate good method efficiency.

The recovery for the surrogate DCAA was above the Q. C. limit on one column for five samples due to unresolved matrix interference.

Positives are reported if peaks are found in the retention time windows on both analytical windows. These peaks may be or may include interferences. In particular if the retention times are marginal and show different shifts on the two columns, interferences are suspected. In the case of sample MW-9 (0-2'), the spike for 2,4-D did not elute together with the peak identified as 2,4-D in the un-spiked sample. No positive was therefore reported for that sample.

Positives are reported to the practical detection limits of ½ of the reporting limits (PQL).

Pace Long Island

575 Broad Hollow Road tel 631.694.3040
Melville, NY 11747 fax 631.420.8436

SDG NARRATIVE FOR HERBICIDES ANALYSES
SAMPLES RECEIVED: 4/30/14
SDG #: URS165

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: May 21, 2014

****
* *
* *
****
Ursula Middel
Quality Analyst

2F

SOIL HERBICIDE SURROGATE RECOVERY

Lab Name: PACE ANALYTICAL Contract:

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS165

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

	EPA SAMPLE NO.	DCAA 1 %REC #	DCAA 2 %REC #	1 %REC #	%REC #	Other (1)	Other (2)	TOT OUT
01	mb-44371	83	80					0
02	lfb-44371	110	92					0
03	MW-9 (0-2')	113	106					0
04	MW-9 (2-4')	87	83					0
05	MW-9 (4-6')	74	73					0
06	MW-9 (6-8')	98	94					0
07	MW-10 (2-4')	90	91					0
08	MW-9 (14-16')	104	113					0
09	MW-9 DUP1	83	136					0
10	MW-10 (0-2')	74	319 *					1
11	MW-10 (4-6')	87	568 *					1
12	MW-10 (6-8')	92	150 *					1
13	MW-10 (8-10')	85	88					0
14	MW-10 DUP1	74	76					0
15	MW-9 (0-2')MS	57	46					0
16	MW-9 (0-2')MSD	78	77					0
17	MW-9 (12-14')	77	1280 *					1
18	MW-9 (10-12')	83	1150 *					1
19	MW-9 (8-10')	80	82					0

QC Limits

DCAA = DCAA (29-136)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

MW-9 (8-10')

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS165

Lab Sample ID: 1404M09-005B Date(s) Analyzed: 05/07/14 05/07/14

Instrument ID (1): HP6890-1 Instrument ID (2): HP6890-1

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	TO	CONCENTRATION	%D
2,4,5-TP (Silvex)	1	7.32	7.30	7.36	7.9	
	2	7.06	7.03	7.09	10	26.6
2,4-DB	1	7.76	7.74	7.80	18	
	2	7.52	7.50	7.56	8.0	125.0

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

MW-9 (10-12')

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS165

Lab Sample ID: 1404M09-006B Date(s) Analyzed: 05/07/14 05/07/14

Instrument ID (1): HP6890-1 Instrument ID (2): HP6890-1

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
2,4-D	1	6.85	6.81	6.87	4100	
	2	6.58	6.57	6.63	9.8	999.9
2,4-DB	1	7.76	7.74	7.80	15	
	2	7.51	7.50	7.56	24	60.0

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

MW-9 (12-14')

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS165

Lab Sample ID: 1404M09-007B Date(s) Analyzed: 05/07/14 05/07/14

Instrument ID (1): HP6890-1 Instrument ID (2): HP6890-1

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Dicamba 1.)	1	6.29	6.24	6.30	8.5	
	2	6.00	5.99	6.05	2.2	286.4
Dinoseb	1	8.37	8.36	8.42	3.4	
	2	7.72	7.67	7.73	8.7	155.9
2,4-DB	1	7.76	7.74	7.80	27	
	2	7.52	7.50	7.56	18	50.0

1.) Marginal RTs
JW 5/21/14

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

MW-9 (14-16')

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS165

Lab Sample ID: 1404M09-008B Date(s) Analyzed: 05/07/14 05/07/14

Instrument ID (1): HP6890-1 Instrument ID (2): HP6890-1

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
2,4,5-TP (Silvex)	1	7.32	7.30	7.36	5.4	
	2	7.06	7.03	7.09	7.3	35.2

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

MW-10 (8-10')

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS165

Lab Sample ID: 1404M09-014B Date(s) Analyzed: 05/07/14 05/07/14

Instrument ID (1): HP6890-1 Instrument ID (2): HP6890-1

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
2,4-DB	1	7.76	7.74	7.80	8.3	
	2	7.54	7.50	7.56	15	80.7

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR METALS ANALYSIS
SAMPLE(S) RECEIVED: 4/30/14
SDG #: URS165

For Sample(s):

MW-9 (0-2')	MW-9 (12-14')	MW-10 (6-8')
MW-9 (2-4')	MW-9 (14-16')	MW-10 (8-10')
MW-9 (4-6')	MW-9 DUP1	MW-10 DUP1
MW-9 (6-8')	MW-10 (0-2')	EQMT BLK 2
MW-9 (8-10')	MW-10 (2-4')	
MW-9 (10-12')	MW-10 (4-6')	

The above sample(s) was/were received by Pace Analytical Services Inc. for TAL metals analysis.

Samples were prepared and analyzed using EPA methods 6010C with a TS ICAP 6000 instrument and 7470/7471A with a Leeman HYDRA mercury analyzer.

Sample MW-9 (4-6') was used for Q.C. analysis and reporting.

The ICP EQMT BLK 2 run of 5/14/14 did not meet quality control limits for several analytes. Only selenium and thallium data were used for reporting. The EQMT BLK 2 sample was reanalyzed on 5/15/14 for the remaining metals. Soil samples were analyzed on 6/02/14.

Spike analysis did not recover within 75-125% for iron, lead and manganese. Since the sample values were greater than four times the spike concentrations, post spikes and data qualifiers were not required.

Duplicate analysis did not meet acceptance criteria for aluminum, calcium, lead, manganese and mercury. Associated data were reported flagged "*" on forms 1 and 6.

The ICP serial dilution analysis did not meet acceptance criteria for barium, chromium, cobalt, iron, lead, magnesium, manganese and potassium. Associated data were reported flagged "E" on forms 1 and 9.

Due to matrix interferences dilution and reanalysis were required for samples MW-9 (14-16') for thallium, MW-10 (2-4') for cadmium, MW-10 (4-6') for cadmium and thallium and MW-10 (6-8') for cadmium. Associated reporting limits were elevated as required.

No other issues were noted during the analysis of this sample group.

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: June 3, 2014

****
*
*
****

Vincent Stancampiano

U.S. EPA - CLP

3
BLANKS

Lab Name: PACE ANALYTICAL Contract:

Lab Code: 10478 Case No. SAS No.: SDG No.: URS165

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum	5.4	U	5.4	U	5.4	U	5.4	U	0.540	U	P
Antimony	1.9	U	1.9	U	1.9	U	1.9	U	0.190	U	P
Arsenic	2.5	B	1.1	U	1.1	U	1.1	U	0.110	U	P
Barium	-0.2	B	0.2	B	0.6	B	0.2	B	0.020	B	P
Beryllium	0.1	U	0.1	U	0.1	U	0.1	U	0.014	U	P
Cadmium	0.1	U	0.1	U	0.1	U	0.2	B	0.011	U	P
Calcium	25.8	U	25.8	U	25.8	U	25.8	U	2.600	U	P
Chromium	-4.7	B	4.3	B	6.1	B	4.1	B	0.460	B	P
Cobalt	0.2	U	-0.7	B	-0.7	B	-0.2	B	0.019	U	P
Copper	0.8	U	0.8	U	0.8	U	0.8	U	0.076	U	P
Iron	3.9	U	3.9	U	4.2	B	3.9	U	1.340	B	P
Lead	1.9	U	1.9	U	1.9	U	1.9	U	0.190	U	P
Magnesium	22.0	U	22.0	U	22.0	U	22.0	U	2.200	U	P
Manganese	0.3	U	0.3	U	0.3	U	0.3	U	0.032	U	P
Nickel	0.3	U	0.3	U	0.3	U	0.3	U	0.040	B	P
Potassium	97.0	B	81.0	U	-110.0	B	81.0	U	8.100	U	P
Selenium	1.1	U	1.1	U	1.1	U	1.1	U	0.110	U	P
Silver	0.4	U	0.4	U	0.4	U	0.4	U	0.043	U	P
Sodium	146.8	U	146.8	U	146.8	U	146.8	U	15.700	B	P
Thallium	1.3	U	1.3	U	1.3	U	1.3	U	0.157	B	P
Vanadium	0.4	U	0.4	U	0.4	U	0.4	U	0.040	B	P
Zinc	-2.0	B	1.3	U	1.3	U	1.3	U	0.130	U	P

U.S. EPA - CLP

3
BLANKS

Lab Name: PACE ANALYTICAL Contract:

Lab Code: 10478 Case No. SAS No.: SDG No.: URS165

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 4 A	C	5 B	C	6 C	C	Prepa-ration Blank	C	M
Aluminum			5.4	U	5.4	U	44.1	B			P
Antimony			1.9	U	1.9	U	1.9	U			P
Arsenic			1.1	U	-1.1	B	1.1	U			P
Barium			0.2	B	0.2	B	0.2	U			P
Beryllium			0.1	U	0.1	U	0.1	U			P
Cadmium			0.1	U	0.1	U	0.2	B			P
Calcium			25.8	U	25.8	U	34.4	B			P
Chromium			2.1	B	1.1	U	-2.3	B			P
Cobalt			0.2	B	0.2	U	0.5	B			P
Copper			0.8	U	0.8	U	0.8	U			P
Iron			3.9	U	5.1	B	16.4	B			P
Lead			1.9	U	1.9	U	1.9	U			P
Magnesium			22.0	U	22.0	U	51.4	B			P
Manganese			0.3	U	0.3	U	0.6	B			P
Nickel			0.3	U	0.3	U	0.5	B			P
Potassium			81.0	U	81.0	U	81.0	U			P
Selenium			-2.5	B	1.1	U	1.1	U			P
Silver			0.4	U	0.4	U	0.4	U			P
Sodium			146.8	U	146.8	U	146.8	U			P
Thallium			1.3	U	1.3	U	1.3	U			P
Vanadium			0.4	U	0.4	U	0.4	U			P
Zinc			1.3	U	1.3	U	1.3	U			P

U.S. EPA - CLP

14
ANALYSIS RUN LOG

Lab Name: PACE ANALYTICAL Contract:

Lab Code: 10478 Case No. SAS No.: SDG No.: URS165

Instrument ID Number: ICAP6000 Method: P

Start Date: 06/02/2014 End Date: 06/02/2014

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	0942		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
S	1.00	0948			X																	X				
S	1.00	0954		X						X				X		X										
S	1.00	1000				X									X						X			X		
S	1.00	1006					X	X	X		X	X	X				X		X						X	X
S	1.00	1012												X									X			
S	1.00	1018																		X			X			
ICV	1.00	1025		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1031																								
ICB	1.00	1037		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1043																								
CRI	1.00	1049			X	X		X	X		X	X	X		X		X		X		X	X		X	X	X	
ICSA	1.00	1055		X		X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
ICSAB	1.00	1101		X		X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
CCV	1.00	1209		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1215																								
CCB	1.00	1221		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1227																								
ZZZZZZ	1.00	1233																								
ZZZZZZ	1.00	1239																								
ZZZZZZ	1.00	1245																								
ZZZZZZ	1.00	1252																								
ZZZZZZ	1.00	1258																								
ZZZZZZ	1.00	1304																								
ZZZZZZ	1.00	1310																								
ZZZZZZ	1.00	1315																								
PBS	1.00	1321		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV	1.00	1328		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1334																								
CCB	1.00	1340		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1346																								
ZZZZZZ	1.00	1352																								
ZZZZZZ	1.00	1358																								
ZZZZZZ	1.00	1404																								
ZZZZZZ	1.00	1410																								

U.S. EPA - CLP

14
ANALYSIS RUN LOG

Lab Name: PACE ANALYTICAL Contract:

Lab Code: 10478 Case No. SAS No.: SDG No.: URS165

Instrument ID Number: ICAP6000 Method: P

Start Date: 06/02/2014 End Date: 06/02/2014

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN	
ZZZZZZ	1.00	1416																										
ZZZZZZ	5.00	1422																										
ZZZZZZ	1.00	1429																										
ZZZZZZ	1.00	1435																										
LCSS	1.00	1441		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
CCV	1.00	1447		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
ZZZZZZ	1.00	1453																										
CCB	1.00	1459		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
W-9 (0-2')	1.00	1547		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
W-9 (2-4')	1.00	1553		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
W-9 (4-6')	1.00	1559		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
-9 (4-6')D	1.00	1605		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
-9 (4-6')S	1.00	1611		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
-9 (4-6')L	5.00	1617		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
ZZZZZZ	5.00	1623																										
W-9 (6-8')	1.00	1629		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
-9 (8-10')	1.00	1635		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
9 (10-12')	1.00	1641		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
CCV	1.00	1647		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
ZZZZZZ	1.00	1653																										
CCB	1.00	1659		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
9 (12-14')	1.00	1705		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
9 (14-16')	1.00	1711		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X		X	X		
MW-9 DUP1	1.00	1717		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
-10 (0-2')	1.00	1723		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
-10 (2-4')	1.00	1729		X	X	X	X	X		X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
-10 (4-6')	1.00	1735		X	X	X	X	X		X	X	X	X	X	X	X	X		X	X	X	X	X		X	X		
-10 (6-8')	1.00	1741		X	X	X	X	X		X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
10 (8-10')	1.00	1747		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
MW-10 DUP1	1.00	1754		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
9 (14-16')	10.00	1800																						X				
CCV	1.00	1806		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
ZZZZZZ	1.00	1812																										
CCB	1.00	1818		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
-10 (2-4')	10.00	1824							X																			

U.S. EPA - CLP

14
ANALYSIS RUN LOG

Lab Name: PACE ANALYTICAL Contract:

Lab Code: 10478 Case No. SAS No.: SDG No.: URS165

Instrument ID Number: ICAP6000 Method: P

Start Date: 06/02/2014 End Date: 06/02/2014

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN	
-10 (4-6')	10.00	1830							X														X				
-10 (6-8')	10.00	1836							X																		
CRI	1.00	1842			X	X		X	X		X	X	X		X		X		X		X	X		X	X	X	
ICSA	1.00	1848		X		X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
ICSAB	1.00	1854		X		X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
CCV	1.00	1901		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1907																									
CCB	1.00	1913		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	

U.S. EPA - CLP

6
DUPLICATES

EPA SAMPLE NO
MW-9 (4-6')

Lab Name: PACE ANALYTICAL Contract:

Lab Code: 10478 Case No. SAS No.: SDG No.: URS165

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 83.7 % Solids for Duplicate: 83.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		12496.7770		9695.2429		25.2	*	P
Antimony	7.1429	0.3522	B	0.3450	B	2.1		P
Arsenic	1.1905	5.4669		5.9357		8.2		P
Barium	23.8095	71.6175		55.4048		25.5		P
Beryllium	0.5952	0.5444	B	0.3929	B	32.3		P
Cadmium		0.0137	U	0.0135	U			P
Calcium		3970.4183		3051.1918		26.2	*	P
Chromium		16.6946		18.3929		9.7		P
Cobalt	5.9524	10.1619		10.8095		6.2		P
Copper		28.5986		24.7619		14.4		P
Iron		21267.5060		21619.0585		1.6		P
Lead		58.7820		39.2381		39.9	*	P
Magnesium		3221.5794		3121.4300		3.2		P
Manganese		272.4370		352.0240		25.5	*	P
Mercury	0.0396	0.0698		0.1274		58.4	*	CV
Nickel	4.7619	17.2511		16.1548		6.6		P
Potassium	595.2384	1266.6143		1260.7149		0.5		P
Selenium	1.1905	4.0720		3.9024		4.3		P
Silver	1.1905	2.1667		2.2917		5.6		P
Sodium	595.2384	181.2214	B	160.5953	B	12.1		P
Thallium		0.1564	U	0.1539	U			P
Vanadium	5.9524	30.3165		25.5595		17.0		P
Zinc		81.8158		70.3215		15.1		P

U.S. EPA - CLP

9
ICP SERIAL DILUTIONS

MW-9 (4-6')

Lab Name: PACE ANALYTICAL Contract:

Lab Code: 10478 Case No. SAS No.: SDG No.: URS165

Matrix (soil/water): SOIL Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	103300.00		98450.00		4.7		P
Antimony	2.91	B	9.75	U	100.0		P
Arsenic	45.19		48.27	B	6.8		P
Barium	592.00		525.00	B	11.3	E	P
Beryllium	4.50	B	4.00	B	11.1		P
Cadmium	0.11	U	0.57	U			P
Calcium	32820.00		32870.00	B	0.2		P
Chromium	138.00		190.50	B	38.0	E	P
Cobalt	84.00		103.00	B	22.6	E	P
Copper	236.40		229.00	B	3.1		P
Iron	175800.00		219850.01		25.1	E	P
Lead	485.90		379.55		21.9	E	P
Magnesium	26630.00		32645.00	B	22.6	E	P
Manganese	2252.00		3508.50		55.8	E	P
Nickel	142.60		149.00	B	4.5		P
Potassium	10470.00		12485.00	B	19.2	E	P
Selenium	33.66		38.46	B	14.2		P
Silver	17.91		22.27	B	24.3		P
Sodium	1498.00	B	2353.00	B	57.1		P
Thallium	1.29	U	6.46	U			P
Vanadium	250.60		258.00	B	3.0		P
Zinc	676.30		646.50		4.4		P

URS160 URS167
URS166
URS164

CHAIN OF CUSTODY RECORD

Pace Analytical®
www.pacelabs.com

LAB W.O #_____ Quote:_____ Page 2 of 2

Container Type Codes

AV	Amber Vial	ES	Encore Sampler
CV	Clear Vial	PPV	Prepreserved vial
P	Plastic	PL C	Plastic container
AL	Amber Liter	PL J	Plastic Jar
CL	Clear Liter	Z	Ziploc bag
AP	Amber Plastic	TB	Tedlar bag
AG	Amber Glass	WP	Whirl pak
SJ	Soil Jar	G	Gallon Jug
Other		TC	Terra-core

PPV Prepreserved vial
Size(s): 2oz, 4oz, 8oz, 16oz, 32oz or 1L, other_____
40ml 500ml 250ml 125 ml
Example: 4ozP = 4oz Plastic, 8ozSJ= 8oz Soil Jar

Matrix Codes

SD	Solid-Waste	OL	Oil
GW	Ground Water	SL	Sludge
EFF	Effluent	SO	Soil Sediment
AFW	Analyte Free H20	AQ	Aqueous
WW	Waste Water	NA	Nonaqueous
DW	Drinking Water	PE	Petroleum
SW	Surface Water	O	Other_____ (Please specify)
ML	Misc. Liquid		

Preservative Type Codes

A. None	E. HCL	I. Ice
B. HNO3	F. MeOH	J. MCAA
C. H2SO4	G. Na2S2O3	K. Zn Acetate
D. NaOH	H. NaHSO4	O. Other

Company Name: URS Corp PO#
Address: 257 West Genesee St. Ste 400
City: Buffalo State: NY Zip: 14202
Attn: George Kisluk Fax#
email: george.kisluk@urs.com Phone: (716) 923-1321
Project Name: Old Agway PhII Proj # 11176892
Sampler Signature: John P. Hilton
Circle One Event: Daily Weekly Monthly Quarterly Semi-Annual Annual N/A

LAB ANALYSIS

Sample #	Sample ID	Collect Date	Collect Time	Matrix Code	Field Filtered	Intact (Y/N)	Total # containers	Parameters: TCL VOCs+TICs	TCL SVOCs+TICs	Rest/Herb	TAL Metals	1405098	EXAMPLE Diss. Lead 6010
								Pres Codes: I	I				
								# of Containers Size/Type	1 8ozP				
1	HA-8s(0-2")	4/29	11:15	SO			2	1 2ozSJ	1 8ozSJ			-008	
2	HA-8(0-2')	4/29	11:20				2	1 2ozSJ	1 8ozSJ			-009	
3	HA-8(2-4')	4/29	11:25				2	1 2ozSJ	1 8ozSJ			-010	
4	HA-9s(0-2")	4/29	10:45				2	1 2ozSJ	1 8ozSJ			-011	
5	HA-9(2-4')	4/29	10:55				2	1 2ozSJ	1 8ozSJ			-006	
6	HA-9(0-2')	4/29	10:50				2	1 2ozSJ	1 8ozSJ			-002	
7	HA-10s(0-2")	4/29	11:00				2	1 2ozSJ	1 8ozSJ			-003	
8	HA-10(0-2')	4/29	11:05				2	1 2ozSJ	1 8ozSJ			-004	
9	HA-10(2-4')	4/29	11:10				2	1 2ozSJ	1 8ozSJ			-005	
10	HA-11s(0-2")	4/29	09:30				2	1 2ozSJ	1 8ozSJ			-006	

REMARKS

URS 164
URS166

Same TAT REQUEST (Rush Fees Applies)? Y N
Collected Today 1D 2D 3D 4D 5D ___ Rush

Short Hold: Y____ N____

Circle QA/QC Report Level: 1 2 3 4 CLP AFCEE QAPP Other_____

EDD (Fees May Apply): ADaPT SEDD ERPIMS TSV CSV Other_____

COC Condition: OK Incomplete

Required State Certification: FL GA SC NC NJ PA LA TX IL ___

Coolers #'s - Temp °C: 1___ 2___ 3___ 4___ 5___

Item	Relinquished by	Affiliation	Date	Time	Received by	Affiliation	Date	Time
1	John P. Hilton	URS	4/30/14	15:30	M. Comer	Pace	4/30/14	15:30
2	M. Comer	Pace	4/30/14	1555		Pace	5/2/14	10:00
3								
4								

Lab Use Only

	YES	NO	N/A
Non-Conformance Found?			
Samples INTACT upon arrival?			
Received on Wet Ice?			
Proper Preservatives Indicated?			
Received within holding time?			
Custody seals Intact?			
Volatiles rec'd without headspace?			
Proper Containers Used?			

Pompano Lab 954-582-4300 Revision: F-ALL-C-007- Rev.00

C.O.C. Serial # 68084

URS166 A

URS166 URS164 (JB)

CHAIN OF CUSTODY RECORD

Pace Analytical®
www.pacelabs.com

LAB W.O #_____ Quote:_____ Page 1 of 2

Container Type Codes			
AV	Amber Vial	ES	Encore Sampler
CV	Clear Vial	PPV	Prepreserved vial
P	Plastic	PL C	Plastic container
AL	Amber Liter	PL J	Plastic Jar
CL	Clear Liter	Z	Ziploc bag
AP	Amber Plastic	TB	Tedlar bag
AG	Amber Glass	WP	Whirl pak
SJ	Soil Jar	G	Gallon Jug
Other_____		TC	Terra-core

PPV Prepreserved vial
Size(s): 2oz, 4oz, 8oz, 16oz, 32oz or 1L, other_____
40ml 500ml 250ml 125ml
Example: 4ozP = 4oz Plastic, 8ozSJ= 8oz Soil Jar

Matrix Codes			
SD	Solid Waste	OL	Oil
GW	Ground Water	SL	Sludge
EFF	Effluent	SO	Soil Sediment
AFW	Analyte Free H20	AQ	Aqueous
WW	Waste Water	NA	Nonaqueous
DW	Drinking Water	PE	Petroleum
SW	Surface Water	O	Other_____ (Please specify)
ML	Misc. Liquid		

Preservative Type Codes		
A. None	E. HCL	I. Ice
B. HNO3	F. MeOH	J. MCAA
C. H2SO4	G. Na2S2O3	K. Zn Acetate
D. NaOH	H. NaHSO4	O. Other

Company Name: URS Corp PO#
Address: 257 West Genesee St, Ste 400
City: Buffalo State: NY Zip: 14202
Attn: George Kistuk Fax# 716 856-2545
email: george.kistuk@urs.com Phone: 716 913-1321
Project Name: Old Agway, Ph II Proj #: 11176892
Sampler Signature: John P. Hilton
Circle One Event: Daily Weekly Monthly Quartely Semi-Annual Annual N/A

LAB ANALYSIS

Sample #	Sample ID	Collect Date	Collect Time	Matrix Code	Field Filtered (Y/N)	Lab to Filter (Y/N)	# of Containers	Parameters: TCL VOCs + TICs	Parameters: TEST/Hero TAL Metals TCL SVOCs + TICs	Parameters: 1405098	EXAMPLE Diss. Lead 6010
							# of Containers Size/Type	1 16ozP			
1	HA-6S(0-2")	4/29	14:05	SO			2	1 2ozSJ	1 8ozSJ	-001	
2	HA-6(0-2')	4/29	14:15				2	1 2ozSJ	1 8ozSJ	-002	
3	HA-6(2-4')	4/29	14:35				2	1 2ozSJ	1 8ozSJ	-003	
4	HA-7S(0-2")	4/29	15:45				2	1 2ozSJ	1 8ozSJ	-004	
5	HA-7(0-2')	4/29	16:00				2	1 2ozSJ	1 8ozSJ	-005	
6	HA-7(2-4')	4/29	16:15				2	1 2ozSJ	1 8ozSJ	-006	
7	HA-7(0-2")MS	4/29	15:45				2	1 2ozSJ	1 8ozSJ	-006	
8	HA-7(0-2")MSD	4/29	15:45				2	1 2ozSJ	1 8ozSJ	-006	
9	HA-Dupl 1			SO			2	1 2ozSJ	1 8ozSJ	-007	
10	HA-Dupl 2	HA-07		SO			2	1 2ozSJ	1 8ozSJ	-007	

REMARKS
URS164
Matrix Spike
MS Duplicate
Soil Duplicate #1
Soil Duplicate #2

Circle TAT REQUEST (Rush Must be Approved): Standard RUSH
Y N Today 1D 2D 3D 4D 5D

Short Hold: Y N

Circle QA/QC Report Level: 1 2 3 4 CLP AFCEE QAPP Other

EDD (Fees May Apply): ADaPT SEDD ERPIMS TSV CSV Other

COC Condition: OK Incomplete

Required State Certification: FL GA SC NC NJ PA LA TX IL

Coolers#'s Temp °C: 1 2 3 4 5

Item	Relinquished by	Affiliation	Date	Time	Received by	Affiliation	Date	Time
1	John P. Hilton	URS	4/30/14	15:30	[illegible]	pace	4/30/14	1930
2	[illegible]	pace	4/30/14	1555	[illegible]	Pace	5/2/14	1000
3								
4								

Lab Use Only	YES	NO	N/A
Non-Conformance Found?			
Samples INTACT upon arrival?			
Received on Wet Ice?			
Proper Preservatives Indicated?			
Received within holding time?			
Custody seals Intact?			
Volatiles rec'd without headspace?			
Proper Containers Used?			

Pompano Lab 954-582-4300 Revision: F•ALL•C•007- Rev.00

C.O.C. Serial # 68081

1 cpy

URS166 A

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR VOLATILE ORGANICS
SAMPLES RECEIVED: 5/2/14
SDG #: URS166

For Sample(s):

HA-9 (2-4')	HA-10 (0-2')	HA-DUP2
HA-9 (0-2')	HA-10 (2-4')	
HA-10S (0-2")	HA-11S(0-2")	

The above soil sample(s) was/were analyzed for a select list of volatile organic analytes by EPA method 8260C.

All Q. C. data and calibrations met the requirements of the method unless discussed below, and no problems were encountered with sample analysis. The following should be noted:

Sample HA-9(2-4) was analyzed as the matrix spike/matrix spike duplicate. Ten percent recoveries were outside of Q.C. limits. All RPD's were within the Q.C. limits. A lab fortified blank was analyzed, and recoveries indicate good method efficiency.

In the initial calibrations, average response factors were employed as applicable, and regression functions were used for RSDs above 20%. In the continuing calibration verification(s) (CCV) the variability for some compounds was above 20%. Results for these analytes are flagged with a "Z" qualifier in the LFB, indicating that they are regarded estimated. They were not found in the sample.

TICs identified as alkanes are listed on the TIC report however are not counted in the number of TICs reported.

Low levels of acetone were present in the method blank. This analyte was flagged with a "B" qualifier if present in sample associated with the blank.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: May 29, 2014

****
* *
* *
****
Joann M. Slavin
General Manager

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR SEMIVOLATILE ORGANICS
SAMPLES RECEIVED: 5/2/14
SDG #: URS166

For Sample(s):

HA-9 (2-4')	HA-10 (2-4')
HA-9 (0-2')	HA-11S(0-2")
HA-10S (0-2")	HA-DUP2
HA-10 (0-2')	

The above soil sample(s) was/were analyzed for a select list of semivolatile organic analytes by EPA method 8270D.

All Q. C. data and calibrations met the requirements of the method unless discussed below, and no problems were encountered with sample analysis. The following should be noted:

No sample was submitted for matrix spike/matrix spike duplicate (MS/MSD) analysis, but a lab fortified blank (LFB) was analyzed, and results indicate good method efficiency.

Recoveries for the surrogate terphenyl-d14 were greater than the Q. C. limit in all but one sample. Two samples had low recoveries for 2-fluorophenol and one of them also had a recovery slight below the advisory Q. C. limit for 2-chlorophenol-d4.

In the initial calibrations, average response factors (RF) were employed as applicable, and regression functions were used for RSDs above 20%. In the continuing calibration verification(s) (CCV) the variability for some compounds was above 20%. Results for these analytes are flagged with a "Z" qualifier in the LFB and if found in the samples, indicating that they are regarded estimated.

The method blank contained a number of TICs. If found in the samples, these compounds were flagged with the qualifiers "B". TICs identified as siloxanes are suspected to be column bleed and are flagged with the qualifier "X".

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: June 4, 2014

****
* *
* *
****

Ursula Middel
Quality Analyst

4A

EPA SAMPLE NO.

VOLATILE METHOD BLANK SUMMARY

VBLK050514

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS166

Lab File ID: 4\A80902.D Lab Sample ID: VBLK050514

Date Analyzed: 05/05/14 Time Analyzed: 9:29

GC Column: Rtx-624 ID: .18 (mm) Heated Purge: (Y/N) Y

Instrument ID: HP5971

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LFB050514	LFB050514	4\A80903.D	9:58
02	HA-9 (2-4')	1405116-001A	4\A80905.D	10:56
03	HA-9 (0-2')	1405116-002A	4\A80906.D	11:25
04	HA-10S (0-2")	1405116-003A	4\A80907.D	11:54
05	HA-10 (0-2')	1405116-004A	4\A80908.D	12:23
06	HA-10 (2-4')	1405116-005A	4\A80909.D	12:52
07	HA-11S(0-2")	1405116-006A	4\A80910.D	13:22
08	HA-DUP2	1405116-007A	4\A80911.D	13:51
09	HA-9 (2-4')MS	1405116-001AMS	4\A80912.D	14:20
10	HA-9 (2-4')MSD	1405116-001AMSD	4\A80913.D	14:49

COMMENTS: _____

_____

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK050514

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS166

Matrix: (soil/water) SOIL Lab Sample ID: VBLK050514

Sample wt/vol: 5 (g/mL) G Lab File ID: 4\A80902.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 05/05/14

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

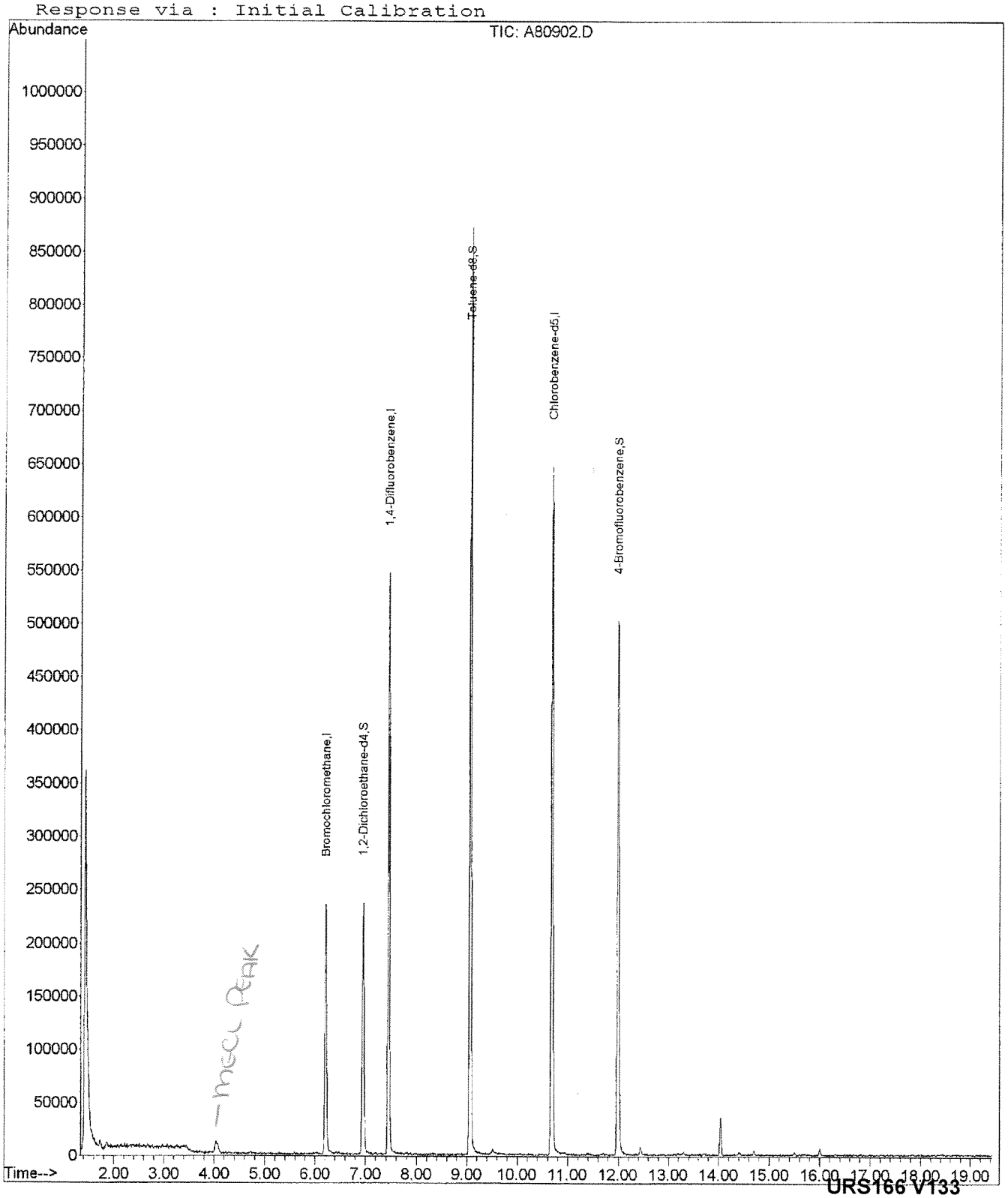
Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	1	JZ
75-15-0	Carbon disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U

Quantitation Report

Data File : O:\MS\HP5971\DATA\2014\MAY14\050514\A80902.D Vial: 4
Acq On : 5 May 2014 9:29 Operator: MEM
Sample : VBLK050514 Inst : H5971
Misc : ,,,MBLK,, Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 19 16:28 2014 Quant Results File: R6S1024.RES

Method : C:\HPCHEM\1\METHODS\R6S1024.M (RTE Integrator)
Title : 8260S A090461, A087941, A083829, CJ4239, CG1098A
Last Update : Thu Oct 24 16:50:43 2013
Response via : Initial Calibration



URS166 V133

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS166

Lab File ID: 4\A80899.D BFB Injection Date: 05/05/14

Instrument ID: HP5971 BFB Injection Time: 7:45

GC Column: Rtx-624 ID: .18 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.3
75	30.0 - 60.0% of mass 95	49.3
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	68.7
175	5.0 - 9.0% of mass 174	4.9 (7.1)1
176	95.0 - 101.0% of mass 174	66.3 (96.5)1
177	5.0 - 9.0% of mass 176	4.1 (6.2)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050	VSTD050	4\A80901.D	05/05/14	8:34
02	VBLK050514	VBLK050514	4\A80902.D	05/05/14	9:29
03	LFB050514	LFB050514	4\A80903.D	05/05/14	9:58
04	HA-9 (2-4')	1405116-001A	4\A80905.D	05/05/14	10:56
05	HA-9 (0-2')	1405116-002A	4\A80906.D	05/05/14	11:25
06	HA-10S (0-2")	1405116-003A	4\A80907.D	05/05/14	11:54
07	HA-10 (0-2')	1405116-004A	4\A80908.D	05/05/14	12:23
08	HA-10 (2-4')	1405116-005A	4\A80909.D	05/05/14	12:52
09	HA-11S(0-2")	1405116-006A	4\A80910.D	05/05/14	13:22
10	HA-DUP2	1405116-007A	4\A80911.D	05/05/14	13:51
11	HA-9 (2-4')MS	1405116-001AMS	4\A80912.D	05/05/14	14:20
12	HA-9 (2-4')MSD	1405116-001AMSD	4\A80913.D	05/05/14	14:49

7B

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS166

Instrument ID: HP5971 Calibration Date: 05/05/14 Time: 8:34

Lab File ID: 4\A80901.D Init. Calib. Date(s): 10/24/13 10/24/13

EPA Sample No.(VSTD050##): VSTD050 Init. Calib. Times: 13:45 16:20

Heated Purge: (Y/N) Y

GC Column: Rtx-624 ID: .18 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	2.962	1.713	0.100	-42.2	20.0
Chloromethane	3.781	3.254	0.100	-13.9	20.0
Vinyl chloride	2.808	2.893	0.100	3.0	20.0
Bromomethane	1.351	1.321	0.100	-2.2	20.0
Chloroethane	1.773	1.876	0.100	5.8	20.0
Trichlorofluoromethane	2.651	2.927	0.100	10.4	20.0
1,1-Dichloroethene	2.300	2.115	0.100	-8.1	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	2.268	2.222	0.100	-2.0	20.0
Acetone	0.453	0.669	0.100	47.8	20.0
Carbon disulfide	9.026	8.140	0.100	-9.8	20.0
Methyl Acetate	1.489	1.990	0.100	33.6	20.0
Methylene chloride	3.161	3.034	0.100	-4.0	20.0
trans-1,2-Dichloroethene	2.675	2.769	0.100	3.5	20.0
Methyl tert-butyl ether	5.699	6.665	0.100	17.0	20.0
1,1-Dichloroethane	4.509	5.165	0.200	14.6	20.0
cis-1,2-Dichloroethene	2.912	3.058	0.100	5.0	20.0
2-Butanone	0.868	1.299	0.100	49.6	20.0
Chloroform	4.059	4.594	0.200	13.2	20.0
1,1,1-Trichloroethane	0.512	0.529	0.100	3.4	20.0
Cyclohexane	0.713	0.849	0.100	19.1	20.0
Carbon tetrachloride	0.434	0.427	0.100	-1.7	20.0
Benzene	1.708	1.817	0.500	6.4	20.0
1,2-Dichloroethane	2.514	3.099	0.100	23.3	20.0
Trichloroethene	0.447	0.448	0.200	0.1	20.0
Methylcyclohexane	0.566	0.741	0.100	30.8	20.0
1,2-Dichloropropane	0.440	0.488	0.100	10.9	20.0
Bromodichloromethane	0.507	0.550	0.200	8.4	20.0
cis-1,3-Dichloropropene	0.665	0.742	0.200	11.5	20.0
4-Methyl-2-pentanone	0.404	0.521	0.100	28.9	20.0
Toluene	2.019	1.883	0.400	-6.8	20.0
trans-1,3-Dichloropropene	0.563	0.639	0.100	13.5	20.0
1,1,2-Trichloroethane	0.326	0.359	0.100	10.2	20.0
Tetrachloroethene	0.391	0.341	0.200	-12.7	20.0
2-Hexanone	0.267	0.354	0.100	32.8	20.0
Dibromochloromethane	0.369	0.391	0.100	6.0	20.0

All other compounds must meet a minimum RRF of 0.010.

7B

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS166

Instrument ID: HP5971 Calibration Date: 05/05/14 Time: 8:34

Lab File ID: 4\A80901.D Init. Calib. Date(s): 10/24/13 10/24/13

EPA Sample No.(VSTD050##): VSTD050 Init. Calib. Times: 13:45 16:20

Heated Purge: (Y/N) Y

GC Column: Rtx-624 ID: .18 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
1,2-Dibromoethane	0.392	0.379	0.100	-3.3	20.0
Chlorobenzene	1.290	1.209	0.500	-6.3	20.0
Ethylbenzene	0.654	0.639	0.100	-2.4	20.0
Xylene (total)	0.805	0.767		-4.7	20.0
Styrene	1.373	1.227	0.300	-10.7	20.0
Bromoform	0.209	0.209	0.100	0.0	20.0
Isopropylbenzene	1.931	1.968	0.100	1.9	20.0
1,1,2,2-Tetrachloroethane	0.484	0.498	0.300	3.0	20.0
1,3-Dichlorobenzene	0.929	0.864	0.600	-7.0	20.0
1,4-Dichlorobenzene	0.937	0.879	0.500	-6.2	20.0
1,2-Dichlorobenzene	0.845	0.795	0.400	-5.9	20.0
1,2-Dibromo-3-chloropropane	0.061	0.066	0.050	8.8	20.0
1,2,4-Trichlorobenzene	0.303	0.375	0.200	23.7	20.0

All other compounds must meet a minimum RRF of 0.010.

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

MB-44515

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS166

Lab File ID: R22275.D Lab Sample ID: MB-44515

Instrument ID: HP5973R Date Extracted: 05/13/14

Matrix: (soil/water) SOIL Date Analyzed: 05/16/14

Level: (low/med) LOW Time Analyzed: 16:50

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
1	LFB-44515	LFB-44515	R22276.D	5/16/2014
2	HA-9 (2-4')	1405116-001B	R22288.D	5/16/2014
3	HA-10S (0-2")	1405116-003B	R22289.D	5/16/2014
4	HA-10 (2-4')	1405116-005B	R22290.D	5/17/2014
5	HA-DUP2	1405116-007B	R22291.D	5/17/2014
6	HA-9 (0-2')	1405116-002B	R22292.D	5/17/2014
7	HA-10 (0-2')	1405116-004B	R22295.D	5/17/2014
8	HA-11S(0-2")	1405116-006B	R22296.D	5/17/2014
9	HA-9 (0-2')DL	1405116-002BDL	R22299.D	5/17/2014

COMMENTS: _____

1G

EPA SAMPLE NO.

MB-44515

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS166

Matrix: (soil/water) SOIL Lab Sample ID: MB-44515

Sample wt/vol: 15 (g/mL) g Lab File ID: R22275.D

Level: (low/med) LOW Date Received:

% Moisture: Decanted:(Y/N) N Date Extracted: 05/13/14

Concentrated Extract Volume: 1000 (µl) Date Analyzed: 05/16/14

Injection Volume: 2 (µl) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: Extraction: (Type) PFEX

CONCENTRATION UNITS:

Number TICs found: 5 (µg/L or µg/Kg) µg/kg

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1. 625-86-5	Furan, 2,5-dimethyl-	2.33	490	JN
2. 123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.44	52000	AJN
3.	unknown	4.02	160	J
4. 556-67-2	Cyclotetrasiloxane, octamethyl-	4.20	310	JNX
5. 541-02-6	Cyclopentasiloxane, decamethyl-	5.42	190	JNX

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS166

Lab File ID: R22273.D DFTPP Injection Date: 05/16/14

Instrument ID: HP5973R DFTPP Injection Time: 16:01

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	41.8
68	Less than 2% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	50.6
70	Less than 2% of mass 69	0.2 (0.3)1
127	40.0 - 60.0% of mass 198	53.1
197	Less than 1% of mass 198	0.2
198	Base peak, 100% relative abundance	100.0
199	5.0 - 9.0% of mass 198	7.0
275	10.0 - 30.0% of mass 198	25.2
365	Greater than 1% of mass 198	3.0
441	Present, but less than mass 443	7.0
442	40.0 - 110.0% of mass 198	51.0
443	17.0 - 23.0% of mass 442	10.3 (20.2)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD025	SSTD025	R22274.D	05/16/14	16:21
02	MB-44515	MB-44515	R22275.D	05/16/14	16:50
03	LFB-44515	LFB-44515	R22276.D	05/16/14	17:20
04	HA-9 (2-4')	1405116-001B	R22288.D	05/16/14	23:09
05	HA-10S (0-2")	1405116-003B	R22289.D	05/16/14	23:38
06	HA-10 (2-4')	1405116-005B	R22290.D	05/17/14	0:07
07	HA-DUP2	1405116-007B	R22291.D	05/17/14	0:36
08	HA-9 (0-2')	1405116-002B	R22292.D	05/17/14	1:04
09	HA-10 (0-2')	1405116-004B	R22295.D	05/17/14	2:31
10	HA-11S(0-2")	1405116-006B	R22296.D	05/17/14	2:59

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS166

Instrument ID: HP5973R Calibration Date: 5/16/2014 Time: 16:21

Lab File ID: R22274.D Init. Calib. Date(s): 05/13/14 05/13/14

EPA Sample No.(SSTD050##): SSTD025 Init. Calib. Times: 0:37 3:44

GC Column: R-5SILMS ID: .25 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Benzaldehyde	0.762	0.647	0.010	-15.1	20.0
Phenol	1.327	1.392	0.800	4.9	20.0
Bis(2-chloroethyl)ether	0.977	1.013	0.700	3.6	20.0
2-Chlorophenol	1.313	1.370	0.800	4.4	20.0
2-Methylphenol	1.028	1.114	0.700	8.3	20.0
2,2'-oxybis(1-chloropropane)	1.029	1.056	0.010	2.6	20.0
Acetophenone	1.695	1.729	0.010	2.0	20.0
4-Methylphenol	1.052	1.098	0.600	4.3	20.0
N-Nitroso-di-n-propylamine	0.822	0.852	0.500	3.7	20.0
Hexachloroethane	0.684	0.705	0.300	3.1	20.0
Nitrobenzene	0.358	0.369	0.200	3.0	20.0
Isophorone	0.587	0.606	0.400	3.2	20.0
2-Nitrophenol	0.191	0.197	0.100	3.3	20.0
2,4-Dimethylphenol	0.407	0.396	0.200	-2.8	20.0
Bis(2-chloroethoxy)methane	0.337	0.346	0.300	2.6	20.0
2,4-Dichlorophenol	0.316	0.325	0.200	2.7	20.0
Naphthalene	1.070	1.074	0.700	0.4	20.0
4-Chloroaniline	0.452	0.457	0.010	1.0	20.0
Hexachlorobutadiene	0.266	0.260	0.010	-2.4	20.0
Caprolactam	0.082	0.085	0.010	3.7	20.0
4-Chloro-3-methylphenol	0.311	0.334	0.200	7.3	20.0
2-Methylnaphthalene	0.782	0.754	0.400	-3.6	20.0
Hexachlorocyclopentadiene	0.332	0.368	0.050	10.9	20.0
2,4,6-Trichlorophenol	0.328	0.363	0.200	10.8	20.0
2,4,5-Trichlorophenol	0.329	0.352	0.200	6.8	20.0
1,1'-Biphenyl	1.486	1.454	0.010	-2.1	20.0
2-Chloronaphthalene	1.113	1.208	0.800	8.6	20.0
2-Nitroaniline	0.304	0.319	0.010	4.9	20.0
Dimethylphthalate	1.395	1.359	0.010	-2.6	20.0
2,6-Dinitrotoluene	0.306	0.296	0.200	-3.3	20.0
Acenaphthylene	1.805	1.778	0.900	-1.5	20.0
3-Nitroaniline	0.299	0.301	0.010	0.8	20.0
Acenaphthene	1.192	1.141	0.900	-4.3	20.0
2,4-Dinitrophenol	0.149	0.147	0.010	-1.1	20.0
4-Nitrophenol	0.164	0.214	0.010	30.1	20.0
Dibenzofuran	1.628	1.616	0.800	-0.7	20.0
2,4-Dinitrotoluene	0.412	0.402	0.200	-2.3	20.0
Diethylphthalate	1.490	1.459	0.010	-2.1	20.0

All other compounds must meet a minimum RRF of 0.010.

7D

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS166

Instrument ID: HP5973R Calibration Date: 5/16/2014 Time: 16:21

Lab File ID: R22274.D Init. Calib. Date(s): 05/13/14 05/13/14

EPA Sample No.(SSTD050##): SSTD025 Init. Calib. Times: 0:37 3:44

GC Column: R-5SILMS ID: .25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Fluorene	1.328	1.313	0.900	-1.1	20.0
4-Chlorophenyl-phenylether	0.665	0.644	0.400	-3.2	20.0
4-Nitroaniline	0.272	0.267	0.010	-1.7	20.0
4,6-Dinitro-2-methylphenol	0.129	0.139	0.010	7.5	20.0
N-Nitrosodiphenylamine	0.653	0.670	0.010	2.6	20.0
4-Bromophenyl-phenylether	0.244	0.245	0.100	0.3	20.0
Hexachlorobenzene	0.270	0.258	0.100	-4.4	20.0
Atrazine	0.207	0.221	0.010	6.9	20.0
Pentachlorophenol	0.060	0.103	0.050	70.7	20.0
Phenanthrene	1.115	1.113	0.700	-0.2	20.0
Anthracene	1.165	1.163	0.700	-0.2	20.0
Carbazole	1.027	1.062	0.010	3.4	20.0
Di-n-butyl phthalate	1.535	1.552	0.010	1.1	20.0
Fluoranthene	1.332	1.325	0.600	-0.6	20.0
Pyrene	1.112	1.154	0.600	3.8	20.0
Butyl benzyl phthalate	0.600	0.621	0.010	3.5	20.0
3,3'-Dichlorobenzidine	0.390	0.374	0.010	-4.1	20.0
Benzo(a)anthracene	1.181	1.162	0.800	-1.6	20.0
Chrysene	1.048	1.014	0.700	-3.2	20.0
Bis(2-ethylhexyl)phthalate	0.929	0.936	0.010	0.8	20.0
Di-n-octyl phthalate	1.685	1.781	0.010	5.7	20.0
Benzo(b)fluoranthene	1.420	1.423	0.700	0.2	20.0
Benzo(k)fluoranthene	1.095	1.111	0.700	1.4	20.0
Benzo(a)pyrene	1.160	1.191	0.700	2.7	20.0
Indeno(1,2,3-cd)pyrene	1.351	1.377	0.500	1.9	20.0
Dibenzo(a,h)anthracene	1.152	1.176	0.400	2.1	20.0
Benzo(g,h,i)perylene	1.126	1.134	0.500	0.7	20.0

All other compounds must meet a minimum RRF of 0.010.

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR PESTICIDES ANALYSES
SAMPLES RECEIVED: 5/2/14
SDG #: URS166

For Sample(s):

HA-9 (2-4')	HA-10 (2-4')
HA-9 (0-2')	HA-11S(0-2")
HA-10S (0-2")	HA-DUP2
HA-10 (0-2')	

The above soil sample(s) was/were analyzed for a select list of pesticides by EPA method 8081B.

All Q. C. data and calibrations met the requirements of the method unless discussed below, and no problems were encountered with sample analysis. The following should be noted:

No sample was submitted for matrix spike/matrix spike duplicate (MS/MSD) analysis, but a lab fortified blank (LFB) was analyzed, and results indicate good method efficiency.

The surrogate recovery for TCX in sample HA-9 (2-4') did not meet acceptance criteria, and the sample was re-extracted out of holding time. Both sets of data are submitted.

In the continuing calibration verification INDAM04 on 5/2314, four compounds exceeded the variability criterion of a percent difference of 20% on one column. No positives were found in the affected analyses for those analytes, and the concentrations for these analytes in the LFB-44615 are reported from the other column. Similarly, %D for methoxychlor in INDAM47 on 5/16/14 was >20% on column CLP2. Methoxychlor in LFB-44485 was therefore reported from the compliant column CLP.

Positives are reported to the practical detection limits of ½ of the reporting limits (PQL).

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: June 5, 2014

****
* *
* *
****

Ursula Middel
Quality Analyst

PACE ANALYTICAL

PREP BATCH REPORT

Prep Start Date: **5/20/2014 9:52:08 A**
Prep End Date: **5/21/2014 3:51:02 P**

Prep Batch ID: **44615** Prep Code: **3545_P** Technician: **Gracy Daniel**

Initial Temp: **°C** Final Temp **°C**

Prep Factor Units: **mL / g**

Sample ID	ClientSampleID	Matrix	pH1	pH2	SampAmt	Fin Vol	factor	GPC	Acid	Sulfur	Florisil	PrepStart	PrepEnd
LFB1-44615		Solid			15	5	0.333	☑	☐	☐	☐	5/19/2014	5/21/2014
MB-44615		Solid			15	5	0.333	☑	☑	☑	☐	5/19/2014	5/21/2014
1405B55-001A	ACT-1	Soil			15.05	5	0.332	☐	☑	☑	☐	5/20/2014	5/21/2014
Prep hold time was exceeded by 0.713 days.													
1405B55-002A	ACT-2	Soil			15.08	5	0.332	☐	☑	☑	☐	5/20/2014	5/21/2014
Prep hold time was exceeded by 0.71 days.													
1405B55-003A	ACT-3	Soil			15.04	5	0.332	☐	☑	☑	☐	5/20/2014	5/21/2014
Prep hold time was exceeded by 0.706 days.													
1405C02-001A	WC-7	Soil			15.08	5	0.332	☑	☑	☑	☐	5/20/2014	5/21/2014
LFB2-44615					15.06	5	0.332	☑	☑	☑	☐	5/20/2014	5/21/2014
LFB3-44615					15.09	5	0.331	☑	☐	☐	☐	5/20/2014	5/21/2014
1405098-007B	HA-DUP1	Soil			15.02	5	0.333	☑	☐	☐	☐	5/20/2014	5/21/2014
Prep hold time was exceeded by 7.411 days.													
1405116-001B	HA-9 (2-4')	Soil			15.06	5	0.332	☑	☐	☐	☐	5/20/2014	5/21/2014
Prep hold time was exceeded by 6.956 days.													
1405D91-016B	SS-8	Soil			15.02	5	0.333	☑	☐	☐	☐	5/20/2014	5/21/2014
1405D91-017B	SS-9	Soil			15.06	5	0.332	☑	☐	☐	☐	5/20/2014	5/21/2014
1405D91-018B	SS-10	Soil			15.02	5	0.333	☑	☐	☐	☐	5/20/2014	5/21/2014
1405D91-014A	SS-6	Soil			15.05	5	0.332	☑	☐	☐	☐	5/20/2014	5/21/2014
1405D91-015A	SS-7	Soil			15.08	5	0.332	☑	☐	☐	☐	5/20/2014	5/21/2014
1405E31-001B	Waste Class	Soil			15	5	0.333	☐	☐	☐	☐	5/20/2014	5/21/2014

Type	Chemical / Reagent ID	Chemical / Reagent Name	Container#	Container I	Amount Added	Unit

Cleanups:
GPC = Method EPA3640A
Acid = Method EPA3665A
Sulfur= Method EPA3660B
Florisil = Method-EPA3620B

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

HA-9 (2-4')re

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS166

Lab Sample ID: 1405116-001b Date(s) Analyzed: /23/2014 /23/2014

Instrument ID (1): HP6890-3 Instrument ID (2): HP6890-3

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
beta-BHC	1	3.36	3.36	3.42	4.0	
	2	3.20	3.18	3.24	1.4	185.7

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

HA-10 (0-2')

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS166

Lab Sample ID: 1405116-004b Date(s) Analyzed: /16/2014 /16/2014

Instrument ID (1): HP6890-3 Instrument ID (2): HP6890-3

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
beta-BHC	1	3.47 (1)	3.41	3.47	7.1	
	2	3.29 (1)	3.23	3.29	2.7	163.0
Dieldrin	1	6.04	6.03	6.09	2.1	
	2	5.76	5.75	5.81	9.0	328.6
4,4'-DDE	1	5.59	5.58	5.64	40	
	2	5.57	5.55	5.61	21	90.5
4,4'-DDT	1	6.85	6.83	6.89	15	
	2	6.84	6.82	6.88	14	7.1

1.) marginal RT (compare LFB RTs) 6/4/14

FORM X PEST- 1 SW8081

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

HA-10 (2-4')

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS166

Lab Sample ID: 1405116-005b Date(s) Analyzed: /16/2014 /16/2014

Instrument ID (1): HP6890-3 Instrument ID (2): HP6890-3

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
4,4'-DDE	1	5.60	5.58	5.64	3.2	
	2	5.57	5.55	5.61	3.4	6.2
4,4'-DDT	1	6.85	6.83	6.89	3.1	
	2	6.84	6.82	6.88	4.7	51.6

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

HA-11S(0-2")

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS166

Lab Sample ID: 1405116-006b Date(s) Analyzed: /16/2014 /16/2014

Instrument ID (1): HP6890-3 Instrument ID (2): HP6890-3

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Dieldrin	1	6.04	6.03	6.09	3.1	
	2	5.77	5.75	5.81	4.2	35.5
4,4´-DDE	1	5.60	5.58	5.64	2.7	
	2	5.57	5.55	5.61	2.4	12.5

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR HERBICIDES ANALYSES
SAMPLES RECEIVED: 5/2/14
SDG #: URS166

For Sample(s):

HA-9 (2-4')	HA-10 (2-4')
HA-9 (0-2')	HA-11S(0-2")
HA-10S (0-2")	HA-DUP2
HA-10 (0-2')	

The above soil sample(s) was/were analyzed for a select list of herbicides by EPA method 8151A. Please note that ELAP / NELAC do not offer certification for picloram.

All Q. C. data and calibrations met the requirements of the method unless discussed below, and no problems were encountered with sample analysis. The following should be noted:

Sample HA-10S (0-2") was used for matrix spike/matrix spike duplicate (MS/MSD) analysis. % Recoveries for picloram in the MS as well as in the MSD were below the Q. C. limits, and the RPD exceeded the limit for dinoseb. A lab fortified blank (LFB) was analyzed, and results indicate good method efficiency.

The recovery for the surrogate DCAA was above the Q. C. limit on one column for sample HA-9 (2-4') due to unresolved matrix interference.

Positives are reported if peaks are found in the retention time windows on both analytical windows. These peaks may be (or may include) interferences. In particular if the retention times are marginal and /or show different shifts on the two columns or compared to the spike analyses, interferences are suspected.

Positives are reported to the practical detection limits of ½ of the reporting limits (PQL).

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: June 4, 2014

Date Revised: July 21, 2014

****
*
*
****

Ursula Middel
Quality Analyst

10A

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

HA-9 (2-4')

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS166

Lab Sample ID: 1405116-001B Date(s) Analyzed: 05/14/14 05/14/14

Instrument ID (1): HP6890-1 Instrument ID (2): HP6890-1

GC Column(1): CLP ID: .32 (mm) GC Column(2): CLP2 ID: .32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Dicamba	1	6.17	6.14	6.20	15	
	2	5.96	5.94	6.00	15	0.0
2,4-D	1	6.71	6.71	6.77	160	
	2	6.54	6.52	6.58	24	566.7
2,4,5-TP (Silvex)	1	7.23	7.20	7.26	64	
	2	7.00	6.98	7.04	18	255.6
2,4,5-T	1	7.38	7.36	7.42	120	
	2	7.21	7.19	7.25	31	287.1
Dinoseb	1	8.30	8.26	8.32	5.3	
	2	7.66	7.62	7.68	160	999.9
2,4-DB	1	7.66	7.64	7.70	40	
	2	7.46	7.45	7.51	94	135.0

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR METALS ANALYSIS
SAMPLE(S) RECEIVED: 5/02/14
SDG #: URS166

For Sample(s):

HA-9 (2-4')	HA-10 (2-4')
HA-9 (0-2')	HA-11S(0-2")
HA-10S (0-2")	HA-DUP2
HA-10 (0-2')	

The above sample(s) was/were received by Pace Analytical Services Inc. for TAL metals analysis.

Samples were prepared and analyzed using EPA methods 6010C with a TS ICAP 6000 instrument and 7470/7471A with a Leeman HYDRA mercury analyzer.

Samples HA-9 (0-2') and HA-10 (0-2') were used for mercury and ICP metals Q.C. analysis and reporting.

Mercury sample HA-9 (2-4') was damaged during the 5/15/14 digestion. The sample was re-digested and analyzed for mercury on 5/19/14.

Spike analysis did not recover within 75-125% for iron and lead. Since the sample values were greater than four times the spike concentrations, post spikes and data qualifiers were not required.

Spike analysis did not meet acceptance criteria for arsenic, chromium and thallium. The sample was post spiked and recovered at 129.2% for arsenic, 99.3% for chromium and 83.1% for thallium. Associated data were reported flagged "N" on forms 1 and 5A.

The ICP serial dilution analysis did not meet acceptance criteria for arsenic, chromium and nickel. Associated data were reported flagged "E" on forms 1 and 9.

Due to matrix interferences samples HA-10 (2-4') and HA-DUP 2 required 1:10 dilutions for cadmium. Cadmium reporting limits were elevated as required.

Sample HA-9 (2-4') was diluted 1:10 for manganese and sample HA-DUPE 2 was diluted 1:10 for iron to keep instrument readings within ICP linear ranges.

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

No other issues were noted during the analysis of this sample group.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: June 5, 2014

****
* *
* *
****
Vincent Stancampiano

U.S. EPA - CLP

3
BLANKS

Lab Name: PACE ANALYTICAL Contract:

Lab Code: 10478 Case No. SAS No.: SDG No.: URS166

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum	5.4	U	36.1	B	5.4	U	8.4	B	0.540	U	P
Antimony	1.9	U	1.9	U	1.9	U	1.9	U	0.190	U	P
Arsenic	1.1	U	1.1	U	1.1	U	-2.0	B	0.110	U	P
Barium	0.2	U	0.3	B	0.2	B	0.2	B	0.020	B	P
Beryllium	0.1	U	0.2	B	0.1	U	0.1	U	0.014	U	P
Cadmium	0.1	U	0.1	U	0.1	U	0.1	U	0.011	U	P
Calcium	25.8	U	44.1	B	25.8	U	25.8	U	2.600	U	P
Chromium	1.1	U	1.1	U	1.1	U	1.1	U	0.110	U	P
Cobalt	0.2	U	0.2	B	0.2	B	0.2	U	0.019	U	P
Copper	0.8	U	0.8	U	0.8	U	0.8	U	0.076	U	P
Iron	3.9	U	16.3	B	3.9	U	14.0	B	0.510	B	P
Lead	1.9	U	1.9	U	1.9	U	1.9	U	0.190	U	P
Magnesium	22.0	U	47.7	B	22.0	U	22.0	U	2.200	U	P
Manganese	0.3	U	0.3	U	0.3	U	0.3	U	0.032	U	P
Nickel	0.3	U	0.3	U	0.3	U	0.3	U	0.034	U	P
Potassium	81.0	U	-86.0	B	81.0	U	-87.0	B	8.100	U	P
Selenium	1.1	U	-2.8	B	-3.1	B	-1.4	B	0.110	U	P
Silver	0.4	U	0.4	U	0.4	U	0.4	U	0.043	U	P
Sodium	146.8	U	146.8	U	146.8	U	146.8	U	14.700	U	P
Thallium	1.3	U	1.3	U	-3.1	B	-3.6	B	0.130	U	P
Vanadium	0.4	U	0.4	U	0.4	B	0.5	B	0.039	U	P
Zinc	1.3	U	1.3	U	1.3	U	1.4	B	0.130	U	P

4
25.6 B
0.2 B
43.5 B
15.6 B
34.3 B

U.S. EPA - CLP

3
BLANKS

Lab Name: PACE ANALYTICAL Contract:

Lab Code: 10478 Case No. SAS No.: SDG No.: URS166

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1 16	C	2 27	C	3 38	C	Prepa-ration Blank	C	M
Cadmium			0.1	U	0.1	U	0.1	U			P
Iron			13.6	B	18.9	B	3.9	U			P
Manganese			0.3	U	0.3	U	0.3	U			P

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO
HA-10 (0-2')S

Lab Name: PACE ANALYTICAL Contract:

Lab Code: 10478 Case No. SAS No.: SDG No.: URS166

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 79.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony	75-125	66.1877		0.4634	B	62.29	105.5		P
Arsenic	75-125	22.5484		15.7361		4.98	136.7	N	P
Barium	75-125	360.7744		77.2807		249.15	113.8		P
Beryllium	75-125	8.1722		0.3773	B	6.23	125.1		P
Cadmium	75-125	7.2255		0.0138	U	6.23	116.0		P
Chromium	75-125	94.9400		59.9991		24.92	140.2	N	P
Cobalt	75-125	79.7416		6.3285		62.29	117.9		P
Copper	75-125	67.5206		35.7925		31.14	101.9		P
Iron		14724.9789		13703.6409		124.58	819.8		P
Lead		187.4881		193.0193		2.49	-222.0		P
Manganese		333.6167		267.1358		62.29	106.7		P
Nickel	75-125	84.4631		10.1256		62.29	119.3		P
Selenium	75-125	3.9242		2.5131		1.25	113.3		P
Silver	75-125	7.3874		1.4896		6.23	94.7		P
Thallium	75-125	7.8683		0.1573	U	6.23	126.3	N	P
Vanadium	75-125	95.2141		19.0707		62.29	122.2		P
Zinc	75-125	275.1902		212.1265		62.29	101.2		P

Comments:

U.S. EPA - CLP

5B
POST DIGEST SPIKE SAMPLE RECOVERY

EPA SAMPLE NO
HA-10 (0-2')A

Lab Name: PACE ANALYTICAL Contract:

Lab Code: 10478 Case No. SAS No.: SDG No.: URS166

Matrix (soil/water): SOIL Level (low/med): LOW

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Arsenic		181.00		129.30		40.0	129.2		P
Chromium		552.60		493.00		60.0	99.3		P
Thallium		49.83		1.29	U	60.0	83.1		P

Comments:

URS166 M40

U.S. EPA - CLP

9
ICP SERIAL DILUTIONS

HA-10 (0-2')

Lab Name: PACE ANALYTICAL Contract:

Lab Code: 10478 Case No. SAS No.: SDG No.: URS166

Matrix (soil/water): SOIL Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	55510.00		56550.00		1.9		P
Antimony	3.81	B	47.50	B	1147.4		P
Arsenic	129.30		414.00		220.2	E	P
Barium	635.00		639.00	B	0.6		P
Beryllium	3.10	B	3.50	B	12.9		P
Cadmium	0.11	U	2.50	B			P
Calcium	134899.99		144350.00		7.0		P
Chromium	493.00		617.00		25.2	E	P
Cobalt	52.00		50.50	B	2.9		P
Copper	294.10		312.50	B	6.3		P
Iron	112600.00		121400.00		7.8		P
Lead	1586.00		1495.00		5.7		P
Magnesium	57040.00		59400.00	B	4.1		P
Manganese	2195.00		2320.00		5.7		P
Nickel	83.20		126.50	B	52.0	E	P
Potassium	6485.00		6820.00	B	5.2		P
Selenium	20.65		5.67	U	100.0		P
Silver	12.24		14.01	B	14.5		P
Sodium	5216.00		5170.00	B	0.9		P
Thallium	1.29	U	6.46	U			P
Vanadium	156.70		167.50	B	6.9		P
Zinc	1743.00		1854.50		6.4		P

U.S. EPA - CLP

14
ANALYSIS RUN LOG

Lab Name: PACE ANALYTICAL Contract:

Lab Code: 10478 Case No. SAS No.: SDG No.: URS166

Instrument ID Number: ICAP6000 Method: P

Start Date: 06/03/2014 End Date: 06/03/2014

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	1003		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
S	1.00	1010			X																	X				
S	1.00	1016		X						X				X		X										
S	1.00	1022				X									X						X		X			
S	1.00	1028					X	X	X		X	X	X				X		X					X	X	
S	1.00	1034												X								X				
S	1.00	1040																		X		X				
ICV	1.00	1046		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1052																								
ICB	1.00	1058		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1104																								
CRI	1.00	1110			X	X		X	X		X	X	X		X		X		X		X	X		X	X	X	
ICSA	1.00	1116		X		X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
ICSAB	1.00	1123		X		X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
CCV 1	1.00	1129		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1135																								
CCB	1.00	1141		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1147																								
ZZZZZZ	1.00	1153																								
ZZZZZZ	1.00	1159																								
ZZZZZZ	1.00	1205																								
ZZZZZZ	1.00	1211																								
ZZZZZZ	1.00	1217																								
ZZZZZZ	20.00	1223																								
PBS	1.00	1229		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1235																								
LCSS	1.00	1241		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV 2	1.00	1247		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1253																								
CCB	1.00	1259		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
A-9 (2-4')	1.00	1305		X	X	X	X	X	X	X	X	X	X	X	X	X			X	X	X	X	X	X	X	X	
A-9 (0-2')	1.00	1311		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
10S (0-2")	1.00	1317		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
-10 (0-2')	1.00	1323		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
10 (0-2')D	1.00	1329		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	

URS166 M58

U.S. EPA - CLP

14
ANALYSIS RUN LOG

Lab Name: PACE ANALYTICAL Contract:

Lab Code: 10478 Case No. SAS No.: SDG No.: URS166

Instrument ID Number: ICAP6000 Method: P

Start Date: 06/03/2014 End Date: 06/03/2014

EPA Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN			
10 (0-2')S	1.00	1335		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
10 (0-2')L	5.00	1341		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
10 (0-2')A	1.00	1347				X					X													X						
-10 (2-4')	1.00	1353		X	X	X	X	X		X	X	X	X		X	X	X		X	X	X	X	X	X	X	X				
-11S(0-2")	1.00	1359		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
CCV 3	1.00	1405		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
ZZZZZZ	1.00	1411																												
CCB	1.00	1417		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
HA-DUP2	1.00	1423		X	X	X	X	X		X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
ZZZZZZ	5.00	1429																												
CRI	1.00	1435			X	X		X	X		X	X	X		X		X		X		X	X		X	X	X				
ICSA	1.00	1441		X		X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X				
ICSAB	1.00	1447		X		X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X				
CCV 4	1.00	1453							X					X			X													
ZZZZZZ	1.00	1459																												
CCB	1.00	1505							X					X			X													
ZZZZZZ	1.00	1511																												
ZZZZZZ	1.00	1517																												
ZZZZZZ	1.00	1523																												
ZZZZZZ	1.00	1529																												
ZZZZZZ	1.00	1535																												
ZZZZZZ	1.00	1541																												
ZZZZZZ	1.00	1547																												
ZZZZZZ	1.00	1553																												
ZZZZZZ	1.00	1559																												
CCV	1.00	1605							X					X			X													
ZZZZZZ	1.00	1611																												
CCB	1.00	1617							X					X			X													
ZZZZZZ	1.00	1715																												
ZZZZZZ	1.00	1722																												
ZZZZZZ	1.00	1728																												
ZZZZZZ	1.00	1734																												
ZZZZZZ	1.00	1740																												
ZZZZZZ	1.00	1746																												
ZZZZZZ	1.00	1752																												

URS166 M59

U.S. EPA - CLP

14
ANALYSIS RUN LOG

Lab Name: PACE ANALYTICAL Contract:

Lab Code: 10478 Case No. SAS No.: SDG No.: URS166

Instrument ID Number: ICAP6000 Method: P

Start Date: 06/03/2014 End Date: 06/03/2014

EPA Sample No.	D/F	Time	% R	Analytes																											
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN				
ZZZZZZ	1.00	1758																													
ZZZZZZ	1.00	1804																													
ZZZZZZ	5.00	1810																													
CCV	1.00	1816							X					X			X														
ZZZZZZ	1.00	1821																													
CCB	1.00	1827							X					X			X														
ZZZZZZ	1.00	1834																													
ZZZZZZ	1.00	1839																													
ZZZZZZ	1.00	1845																													
ZZZZZZ	1.00	1851																													
ZZZZZZ	1.00	1857																													
ZZZZZZ	1.00	1903																													
ZZZZZZ	1.00	1910																													
ZZZZZZ	1.00	1915																													
A-9 (2-4')	10.00	1921															X														
-10 (2-4')	10.00	1927							X					X																	
CCV	1.00	1933							X					X			X														
ZZZZZZ	1.00	1939																													
CCB	1.00	1945							X					X			X														
HA-DUP2	10.00	1951							X																						
CRI	1.00	1957							X								X														
ICSA	1.00	2003		X					X	X				X		X	X														
ICSAB	1.00	2010		X					X	X				X		X	X														
CCV	1.00	2016							X					X			X														
ZZZZZZ	1.00	2022																													
CCB	1.00	2028							X					X			X														

URS167

CHAIN OF CUSTODY RECORD

URS

PROJECT NO. 11176892.00003 | SITE NAME Old Agway Store

SAMPLERS (PRINT/SIGNATURE) Tom Urban / Tom Urban

LAB Pace Analytical

COOLER — of —

PAGE 1 of 2

DELIVERY SERVICE: Lab Courier AIRBILL NO.: —

TESTS / BOTTLE TYPE AND PRESERVATIVE

LOCATION IDENTIFIER	DATE	TIME	COMP/ GRAB	SAMPLE ID	MATRIX	TOTAL NO.# OF CONTAINERS	TCL SVOCs + TIC	TCL Pest.	Chlorinated Herbicides	TCL VOCs + TIC	TAL metals Mercury	Organophos Atrazine pesticides			REMARKS 1405668	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO.# (ERPIMS)
							1 Liter Amber	1 Liter Amber	1 Liter Amber	40 mL Vial HCl	250 mL Plastic HNO3	1 Liter Amber							
MW-01	5/6/14	1420	G	MW-01	WG	9	2	2	2	2	1	—			-001	N_1	—	1	—
MW-05	5/6/14	1615	G	MW-05	WG	9	2	2	2	2	1	—			-002	N_1	—	1	—
MW-06	5/6/14	1750	G	MW-06	WG	9	2	2	2	2	1	—			-003	N_1	—	1	—
MW-07	5/7/14	0725	G	MW-07	WG	9	2	2	2	2	1	—			-004	N_1	—	1	—
MW-10	5/7/14	0849	G	MW-10	WG	9	2	2	2	2	1	—			-005	N_1	—	1	—
Leachate	5/7/14	0940	G	Leachate	WL	11	2	2	2	2	1	2			-006	N_1	—	1	—
FD-1	5/7/14	—	G	20140507-FD-1	WQ	11	2	2	2	2	1	2			-012	FD_1	—	1	—
MW-04	5/7/14	1105	G	MW-04	WG	9	2	2	2	2	1	—			-007	N_1	—	1	—
MS/MSD-1	5/7/14	1105	G	MW-04-MS/MSD	WQ	12	2	2	2	4	2	—				MS_1 SD_1	—	1	—
FD-2	5/7/14	—	G	20140507-FD-2	WQ	9	2	2	2	2	1	—			-013	FD_2	—	1	—
MW-02	5/7/14	1340	G	MW-02	WG	9	2	2	2	2	1	—			-008	N_1	—	1	—
MW-03	5/7/14	1440	G	MW-03	WG	9	2	2	2	2	1	—			-009	N_1	—	1	—
MW-09	5/7/14	1535	G	MW-09	WG	9	2	2	2	2	1	—			-010	N_1	—	1	—

MATRIX CODES: AA - AMBIENT AIR; SE - SEDIMENT; SH - HAZARDOUS SOLID WASTE; SL - SLUDGE; WP - DRINKING WATER; WW - WASTE WATER; WG - GROUND WATER; SO - SOIL; DC - DRILL CUTTINGS; WL - LEACHATE; GS - SOIL GAS; WC - DRILLING WATER; WO - OCEAN WATER; WS - SURFACE WATER; WQ - WATER FIELD QC; LH - HAZARDOUS LIQUID WASTE; LF - FLOATING/FREE PRODUCT ON GW TABLE

SAMPLE TYPE CODES: TB# - TRIP BLANK; SD# - MATRIX SPIKE DUPLICATE; RB# - RINSE BLANK; FR# - FIELD REPLICATE; N# - NORMAL ENVIRONMENTAL SAMPLE; MS# - MATRIX SPIKE; (# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
Tom Urban	5/8/14	1120	Nick Nicholas (Pace)	5/8/14	11:20
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME
Nick Nicholas (Pace)	5/8/14	12:06		5/8/14	1200

SPECIAL INSTRUCTIONS: Contact George Kislok @ 716-856-5636 w/ any questions

Distribution: Original accompanies shipment, copy to coordinator field files

URSF-075C/1 OF 1/CofCR/GCM

Temp by Pace-LI 1.8, 2.9, 0.9, 3.0, 2.4, 0.5, 5.4, 4.4, 0.4, 0.9, 4.3

Temp @ receipt by PACE-Schuyler Lake: 5.4, 3.0, 7.2, 4.8, 7.4, 3.0, 6.4, 6.0, 5.0 (DR)

URS 1607

1383

CHAIN OF CUSTODY RECORD

URS

PROJECT NO. 11176892.00003

SITE NAME Old Aquay Store

SAMPLERS (PRINT/SIGNATURE) Tom Urban / Tom Urban

LAB Pace Analytical

COOLER — of —

PAGE 2 of 2

DELIVERY SERVICE: Lab Courier AIRBILL NO.: —

TESTS

BOTTLE TYPE AND PRESERVATIVE

LOCATION IDENTIFIER	DATE	TIME	COMP/ GRAB	SAMPLE ID	MATRIX	TOTAL NO.# OF CONTAINERS	TCL SVOC + TIC	TCL Pest.	Chlorinated Herbicides	TCL VOC + TIC	TAL Metals + Mercury				REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO. # (ERPIMS)
							1 liter Amber	1 liter Amber	1 liter Amber	40mL VOA HCl	250mL plastic HNO_3								
MW-08	5/7/14	1633	G	MW-08	WG	9	2	2	2	2	1				1405668 -011	N_c	—	—	—
TB-1	5/7/14	—	—	20140507-TB-1	WQ	4	—	—	—	4	—				-014	TB_1	—	—	—

MATRIX CODES	AA - AMBIENT AIR	SE - SEDIMENT	SH - HAZARDOUS SOLID WASTE	SL - SLUDGE	WP - DRINKING WATER	WW - WASTE WATER	WG - GROUND WATER	SO - SOIL	DC - DRILL CUTTINGS	WL - LEACHATE	GS - SOIL GAS	WC - DRILLING WATER	WO - OCEAN WATER	WS - SURFACE WATER	WQ - WATER FIELD QC	LH - HAZARDOUS LIQUID WASTE	LF - FLOATING/FREE PRODUCT ON GW TABLE
SAMPLE TYPE CODES	TB# - TRIP BLANK	SD# - MATRIX SPIKE DUPLICATE		RB# - RINSE BLANK	FR# - FIELD REPLICATE		N# - NORMAL ENVIRONMENTAL SAMPLE	MS# - MATRIX SPIKE		(# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)							

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
Tom Urban	5/8/14	1120	Nick Nicholas (Pace)	5/8/14	11:20
RELINQUISHED BY (SIGNATURE) (Pace)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME
Nick Nicholas	5/8/14	12:06		5/9/14	11:02

SPECIAL INSTRUCTIONS
contact George Kisluk @ 716-856-5636 w/ any questions

Distribution: Original accompanies shipment, copy to coordinator field files

URSF-075C/1 OF 1/CofCR/GCM

Temp by Pace-LI 1.8, 2.9, 0.9, 3.9, 2.4, 0.5, 5.4, 4.4, 0.4, 0.9, 4.3

Temp on receipt by PARS - Schenectady: 5.4, 3.0, 7.2, 4.8, 7.4, 3.0, 6.4, 6.0, 5.0 (IR)

Pace Long Island

SDG NARRATIVE FOR VOLATILE ORGANICS
SAMPLE(S) RECEIVED: 5/9/14
SDG #: URS167

For Sample(s):

MW-01	MW-04	20140507-FD-2
MW-05	MW-02	20140507-TB-01
MW-06	MW-03	
MW-07	MW-09	
MW-10	MW-08	
LEACHATE	20140507-FD-1	

The above water sample(s) and blank(s) was/were analyzed for a select list of volatile organic analytes by EPA method 8260C and reported with the requested deliverables.

All Q. C. data and calibrations met the requirements of the method, unless discussed below, and no problems were encountered with sample analysis. The following should be noted:

Sample MW-04 was analyzed as the matrix spike/matrix spike duplicate. Nineteen spike recoveries were outside of Q.C. limits hence a majority of the RPD's were outside of RPD limits. A lab fortified blank was analyzed and indicated good method efficiency.

Average response factors were employed for all targeted analytes in the initial calibrations, and the continuous calibration had acceptable variability for the targeted analytes.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: May 29, 2014

****
* *
* *
****
Joann M. Slavin
General Manager

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR SEMIVOLATILE ORGANICS
SAMPLES RECEIVED: 5/9/14
SDG #: URS167

For Sample(s):

MW-01	LEACHATE	MW-09
MW-05	MW-04	MW-08
MW-06	MW-02	20140507-FD-1
MW-07	MW-03	20140507-FD-2
MW-10		

The above water sample(s) was/were analyzed for a select list of semivolatile organic analytes by EPA method 8270D.

All Q. C. data and calibrations met the requirements of the method unless discussed below, and no problems were encountered with sample analysis. The following should be noted:

Sample MW-04 was utilized for matrix spike/matrix spike duplicate (MS/MSD) analysis. Six recoveries in the MS and five in the MSD were outside the Q. C. limits, and one RPD was >30%.

Lab fortified blanks (LFB) were analyzed for both extraction batches, and results indicate good method efficiency for LFB-44475. In LFB-44511, five recoveries were below Q. C. limits, but no data are affected. The analytes were not found in the affected samples.

Recoveries for the surrogate terphenyl-d14 were greater than the Q. C. limit in ten samples, and one sample had low recovery for 2-fluorobiphenyl.

Two samples were re-analyzed at a dilution due to concentration levels of a targeted analyte above the calibration range. Both sets of data are submitted.

In the initial calibrations, average response factors (RF) were employed as applicable, and regression functions were used for RSDs above 20%. In the two continuing calibration verification(s) (CCV), the variability for one and respectively two compounds was above 20%. The result for pentachlorophenol that exceeded on 5/15/14 is flagged with a "Z" qualifier in the LFB, indicating that it is regarded estimated.

The method blanks contained a number of TICs. If found in the samples, these compounds were flagged with the qualifier "B".

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR SEMIVOLATILE ORGANICS
SAMPLES RECEIVED: 5/9/14
SDG #: URS167

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: June 6, 2014

****
* *
* *
****

Ursula Middel
Quality Analyst

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS167

Lab File ID: \G25066A.D BFB Injection Date: 05/14/14

Instrument ID: HP5972-2 BFB Injection Time: 11:52

GC Column: Rtx-624 ID: .18 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.8
75	30.0 - 60.0% of mass 95	43.5
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	80.6
175	5.0 - 9.0% of mass 174	6.1 (7.5)1
176	95.0 - 101.0% of mass 174	77.0 (95.5)1
177	5.0 - 9.0% of mass 176	5.1 (6.6)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VBLK051414	VBLK051414	4\G25067.D	05/14/14	12:24
02	LFB051414	LFB051414	4\G25068.D	05/14/14	12:54
03	LEACHATE	1405668-006A	4\G25070.D	05/14/14	13:52
04	MW-01	1405668-001A	4\G25071.D	05/14/14	14:21
05	MW-05	1405668-002A	4\G25072.D	05/14/14	14:49
06	MW-06	1405668-003A	4\G25073.D	05/14/14	15:17
07	MW-07	1405668-004A	4\G25074.D	05/14/14	15:45
08	MW-10	1405668-005A	4\G25075.D	05/14/14	16:12
09	MW-04	1405668-007A	4\G25076.D	05/14/14	16:40
10	MW-04MS	1405668-007AMS	4\G25077.D	05/14/14	17:08
11	MW-04MSD	1405668-007AMSD	4\G25078.D	05/14/14	17:36
12	MW-02	1405668-008A	4\G25079.D	05/14/14	18:04
13	MW-03	1405668-009A	4\G25080.D	05/14/14	18:31
14	MW-09	1405668-010A	4\G25081.D	05/14/14	18:59
15	MW-08	1405668-011A	4\G25082.D	05/14/14	19:27
16	20140507-FD-1	1405668-012A	4\G25083.D	05/14/14	19:55
17	20140507-FD-2	1405668-013A	4\G25084.D	05/14/14	20:23
18	20140507-TB-01	1405668-014A	4\G25085.D	05/14/14	20:50

7B

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS167

Instrument ID: HP5972-2 Calibration Date: 05/14/14 Time: 11:52

Lab File ID: 4\G25066.D Init. Calib. Date(s): 05/13/14 05/13/14

EPA Sample No.(VSTD050##): VSTD050 Init. Calib. Times: 20:41 23:57

Heated Purge: (Y/N) N

GC Column: Rtx-624 ID: .18 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Naphthalene	0.676	0.565		-16.5	20.0
Dichlorodifluoromethane	1.581	1.739	0.100	10.0	20.0
Chloromethane	1.663	1.833	0.100	10.2	20.0
Vinyl chloride	1.544	1.740	0.100	12.7	20.0
Bromomethane	0.883	1.083	0.100	22.6	20.0
Chloroethane	0.829	0.951	0.100	14.7	20.0
Trichlorofluoromethane	1.696	1.931	0.100	13.9	20.0
1,1-Dichloroethene	1.227	1.298	0.100	5.8	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.247	1.225	0.100	-1.7	20.0
Acetone	0.492	0.581	0.100	18.1	20.0
Carbon disulfide	4.580	4.749	0.100	3.7	20.0
Methyl Acetate	1.908	1.619	0.100	-15.1	20.0
Methylene chloride	1.564	1.676	0.100	7.2	20.0
trans-1,2-Dichloroethene	1.416	1.493	0.100	5.5	20.0
Methyl tert-butyl ether	4.166	4.934	0.100	18.4	20.0
1,1-Dichloroethane	2.504	2.693	0.200	7.6	20.0
cis-1,2-Dichloroethene	1.567	1.738	0.100	10.9	20.0
2-Butanone	0.876	1.051	0.100	20.0	20.0
Chloroform	2.243	2.346	0.200	4.6	20.0
1,1,1-Trichloroethane	0.336	0.342	0.100	1.8	20.0
Cyclohexane	0.368	0.348	0.100	-5.4	20.0
Carbon tetrachloride	0.291	0.293	0.100	0.7	20.0
Benzene	0.989	1.035	0.500	4.7	20.0
1,2-Dichloroethane	1.806	2.037	0.100	12.8	20.0
Trichloroethene	0.299	0.300	0.200	0.3	20.0
Methylcyclohexane	0.254	0.237	0.100	-6.8	20.0
1,2-Dichloropropane	0.264	0.287	0.100	8.6	20.0
Bromodichloromethane	0.340	0.387	0.200	13.8	20.0
cis-1,3-Dichloropropene	0.420	0.485	0.200	15.4	20.0
4-Methyl-2-pentanone	0.403	0.478	0.100	18.6	20.0
Toluene	1.151	1.129	0.400	-1.9	20.0
trans-1,3-Dichloropropene	0.370	0.430	0.100	16.3	20.0
1,1,2-Trichloroethane	0.237	0.267	0.100	12.8	20.0
Tetrachloroethene	0.233	0.219	0.200	-6.0	20.0
2-Hexanone	0.275	0.333	0.100	21.0	20.0

All other compounds must meet a minimum RRF of 0.010.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS167

Instrument ID: HP5972-2 Calibration Date: 05/14/14 Time: 11:52

Lab File ID: 4\G25066.D Init. Calib. Date(s): 05/13/14 05/13/14

EPA Sample No.(VSTD050##): VSTD050 Init. Calib. Times: 20:41 23:57

Heated Purge: (Y/N) N

GC Column: Rtx-624 ID: .18 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Dibromochloromethane	0.280	0.326	0.100	16.3	20.0
1,2-Dibromoethane	0.307	0.341	0.100	11.0	20.0
Chlorobenzene	0.822	0.828	0.500	0.8	20.0
Ethylbenzene	0.390	0.368	0.100	-5.7	20.0
Xylene (total)	0.473	0.457		-3.5	20.0
Styrene	0.832	0.835	0.300	0.4	20.0
Bromoform	0.176	0.206	0.100	17.2	20.0
Isopropylbenzene	1.058	0.955	0.100	-9.7	20.0
1,1,2,2-Tetrachloroethane	0.356	0.386	0.300	8.3	20.0
1,3-Dichlorobenzene	0.565	0.554	0.600	-2.0	20.0
1,4-Dichlorobenzene	0.592	0.579	0.500	-2.2	20.0
1,2-Dichlorobenzene	0.554	0.545	0.400	-1.7	20.0
1,2-Dibromo-3-chloropropane	0.053	0.057	0.050	8.0	20.0
1,2,4-Trichlorobenzene	0.246	0.235	0.200	-4.4	20.0

All other compounds must meet a minimum RRF of 0.010.

3A

SYSTEM MONITORING SPIKE RECOVERY

Lab Name: PACE ANALYTICAL Contract:

Lab Code: 10478 Case No.: URS SAS No.: SDG No.: URS167

Sample ID LFB-44511 Level: (low/med) LOW

Column ID R-5SILMS Column Diam .25

Inst. ID HP5973R Init. Calib. Date(s): 05/13/14 0:37

Analysis Date: 05/15/14 16:48 05/13/14 3:44

COMPOUND	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	SPIKE CONCENTRATION (µg/L)	SPIKE % REC #	QC. LIMITS REC.
Benzaldehyde	50	0	28	56	40-140
Phenol	50	0	24	47	40-100
Bis(2-chloroethyl)ether	50	0	23	46	39-111
2-Chlorophenol	50	0	23	46	43-106
2-Methylphenol	50	0	23	46	41-131
2,2'-oxybis(1-chloropropane)	50	0	19	37*	44-100
Acetophenone	50	0	23	47	42.5-97.3
4-Methylphenol	50	0	25	49	41-101
N-Nitroso-di-n-propylamine	50	0	24	47	40-124
Hexachloroethane	50	0	14	28*	41-119
Nitrobenzene	50	0	25	50	41-122
Isophorone	50	0	27	55	46-118
2-Nitrophenol	50	0	24	49	41-128
2,4-Dimethylphenol	50	0	17	34*	39-135
Bis(2-chloroethoxy)methane	50	0	24	48	47-102
2,4-Dichlorophenol	50	0	25	50	44-127
Naphthalene	50	0	22	44	39-107
4-Chloroaniline	50	0	23	46	25-133
Hexachlorobutadiene	50	0	16	31	18-90
Caprolactam	50	0	26	51	10-122
4-Chloro-3-methylphenol	50	0	30	60	48-124
2-Methylnaphthalene	50	0	21	43	31-123
Hexachlorocyclopentadiene	50	0	9	18	13-119
2,4,6-Trichlorophenol	50	0	32	63	55-114
2,4,5-Trichlorophenol	50	0	36	72	55-125
1,1'-Biphenyl	50	0	23	47*	57-98
2-Chloronaphthalene	50	0	25	51	41-122
2-Nitroaniline	50	0	35	69	48-124
Dimethylphthalate	50	0	35	71	56-121
2,6-Dinitrotoluene	50	0	35	71	56-121

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 5 out of 65 outside limits

COMMENTS:

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

MB-44475

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS167

Lab File ID: R22233.D Lab Sample ID: MB-44475

Instrument ID: HP5973R Date Extracted: 05/10/14

Matrix: (soil/water) WATER Date Analyzed: 05/15/14

Level: (low/med) LOW Time Analyzed: 13:10

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
1	LFB-44475	LFB-44475	R22234.D	5/15/2014
2	MW-01	1405668-001B	R22235.D	5/15/2014
3	MW-05	1405668-002B	R22236.D	5/15/2014
4	MW-06	1405668-003B	R22237.D	5/15/2014
5	MW-07	1405668-004B	R22238.D	5/15/2014

COMMENTS: _____

1G

EPA SAMPLE NO.

MB-44475

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS167

Matrix: (soil/water) WATER Lab Sample ID: MB-44475

Sample wt/vol: 1000 (g/mL) mL Lab File ID: R22233.D

Level: (low/med) LOW Date Received:

% Moisture: Decanted:(Y/N) N Date Extracted: 05/10/14

Concentrated Extract Volume: 1000 (µl) Date Analyzed: 05/15/14

Injection Volume: 2 (µl) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ___ Extraction: (Type) CONT

CONCENTRATION UNITS:

Number TICs found: 3 (µg/L or µg/Kg) µg/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	unknown (3.84)	3.84	6	J
2.	unknown (4.03)	4.03	10	J
3. 556-67-2	Cyclotetrasiloxane, octamethyl-	4.21	4	JNX

4B

EPA SAMPLE NO.

SEMIVOLATILE METHOD BLANK SUMMARY

MB-44511

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS167

Lab File ID: R22239.D Lab Sample ID: MB-44511

Instrument ID: HP5973R Date Extracted: 05/12/14

Matrix: (soil/water) WATER Date Analyzed: 05/15/14

Level: (low/med) LOW Time Analyzed: 16:17

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
1	LFB-44511	LFB-44511	R22240.D	5/15/2014
2	MW-10	1405668-005B	R22241.D	5/15/2014
3	LEACHATE	1405668-006B	R22242.D	5/15/2014
4	MW-04	1405668-007B	R22243.D	5/15/2014
5	MW-04MS	1405668-007BMS	R22244.D	5/15/2014
6	MW-04MSD	1405668-007BMSD	R22245.D	5/15/2014
7	MW-02	1405668-008B	R22246.D	5/15/2014
8	MW-03	1405668-009B	R22247.D	5/15/2014
9	MW-09	1405668-010B	R22248.D	5/15/2014
10	MW-08	1405668-011B	R22249.D	5/15/2014
11	FD-1	1405668-012B	R22250.D	5/15/2014
12	FD-2	1405668-013B	R22251.D	5/15/2014
13	LEACHATEDL	1405668-006BDL	R22254.D	5/16/2014
14	FD-1DL	1405668-012BDL	R22255.D	5/16/2014

COMMENTS: _____

_____

1G

EPA SAMPLE NO.

MB-44511

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS167

Matrix: (soil/water) WATER Lab Sample ID: MB-44511

Sample wt/vol: 1000 (g/mL) mL Lab File ID: R22239.D

Level: (low/med) LOW Date Received:

% Moisture: Decanted:(Y/N) N Date Extracted: 05/12/14

Concentrated Extract Volume: 1000 (µl) Date Analyzed: 05/15/14

Injection Volume: 2 (µl) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CONCENTRATION UNITS:

Number TICs found: 3 (µg/L or µg/Kg) µg/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	unknown (3.84)	3.84	6	J
2.	unknown (4.03)	4.03	9	J
3. 556-67-2	Cyclotetrasiloxane, octamethyl-	4.21	2	JNX

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS167

Lab File ID: R22228.D DFTPP Injection Date: 05/15/14

Instrument ID: HP5973R DFTPP Injection Time: 10:45

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	38.3
68	Less than 2% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	46.9
70	Less than 2% of mass 69	0.2 (0.4)1
127	40.0 - 60.0% of mass 198	54.6
197	Less than 1% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5.0 - 9.0% of mass 198	7.0
275	10.0 - 30.0% of mass 198	25.8
365	Greater than 1% of mass 198	2.7
441	Present, but less than mass 443	8.2
442	40.0 - 110.0% of mass 198	53.5
443	17.0 - 23.0% of mass 442	10.2 (19.1)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD025	SSTD025	R22229.D	05/15/14	11:07
02	MB-44475	MB-44475	R22233.D	05/15/14	13:10
03	LFB-44475	LFB-44475	R22234.D	05/15/14	13:41
04	MW-01	1405668-001B	R22235.D	05/15/14	14:13
05	MW-05	1405668-002B	R22236.D	05/15/14	14:44
06	MW-06	1405668-003B	R22237.D	05/15/14	15:14
07	MW-07	1405668-004B	R22238.D	05/15/14	15:45
08	MB-44511	MB-44511	R22239.D	05/15/14	16:17
09	LFB-44511	LFB-44511	R22240.D	05/15/14	16:48
10	MW-10	1405668-005B	R22241.D	05/15/14	17:19
11	LEACHATE	1405668-006B	R22242.D	05/15/14	17:50
12	MW-04	1405668-007B	R22243.D	05/15/14	18:21
13	MW-04MS	1405668-007BMS	R22244.D	05/15/14	18:52
14	MW-04MSD	1405668-007BMSD	R22245.D	05/15/14	19:23
15	MW-02	1405668-008B	R22246.D	05/15/14	19:54
16	MW-03	1405668-009B	R22247.D	05/15/14	20:24
17	MW-09	1405668-010B	R22248.D	05/15/14	20:55
18	MW-08	1405668-011B	R22249.D	05/15/14	21:24
19	FD-1	1405668-012B	R22250.D	05/15/14	21:54

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS167

Lab File ID: R22228.D DFTPP Injection Date: 05/15/14

Instrument ID: HP5973R DFTPP Injection Time: 10:45

20	FD-2	1405668-013B	R22251.D	05/15/14	22:25

7D

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: URS SAS No.: _____ SDG No.: URS167

Instrument ID: HP5973R Calibration Date: 5/15/2014 Time: 11:07

Lab File ID: R22229.D Init. Calib. Date(s): 05/13/14 05/13/14

EPA Sample No.(SSTD050##): SSTD025 Init. Calib. Times: 0:37 3:44

GC Column: R-5SILMS ID: .25 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Fluorene	1.328	1.316	0.900	-0.9	20.0
4-Chlorophenyl-phenylether	0.665	0.657	0.400	-1.2	20.0
4-Nitroaniline	0.272	0.278	0.010	2.4	20.0
4,6-Dinitro-2-methylphenol	0.129	0.139	0.010	7.5	20.0
N-Nitrosodiphenylamine	0.653	0.660	0.010	1.1	20.0
4-Bromophenyl-phenylether	0.244	0.242	0.100	-0.9	20.0
Hexachlorobenzene	0.270	0.253	0.100	-6.2	20.0
Atrazine	0.207	0.223	0.010	7.9	20.0
Pentachlorophenol	0.060	0.076	0.050	25.9	20.0
Phenanthrene	1.115	1.120	0.700	0.4	20.0
Anthracene	1.165	1.170	0.700	0.4	20.0
Carbazole	1.027	1.065	0.010	3.7	20.0
Di-n-butyl phthalate	1.535	1.588	0.010	3.5	20.0
Fluoranthene	1.332	1.339	0.600	0.5	20.0
Pyrene	1.112	1.144	0.600	2.9	20.0
Butyl benzyl phthalate	0.600	0.632	0.010	5.4	20.0
3,3'-Dichlorobenzidine	0.390	0.384	0.010	-1.5	20.0
Benzo(a)anthracene	1.181	1.191	0.800	0.8	20.0
Chrysene	1.048	1.048	0.700	0.0	20.0
Bis(2-ethylhexyl)phthalate	0.929	0.958	0.010	3.1	20.0
Di-n-octyl phthalate	1.685	1.796	0.010	6.6	20.0
Benzo(b)fluoranthene	1.420	1.488	0.700	4.8	20.0
Benzo(k)fluoranthene	1.095	1.079	0.700	-1.5	20.0
Benzo(a)pyrene	1.160	1.194	0.700	2.9	20.0
Indeno(1,2,3-cd)pyrene	1.351	1.401	0.500	3.7	20.0
Dibenzo(a,h)anthracene	1.152	1.202	0.400	4.3	20.0
Benzo(g,h,i)perylene	1.126	1.172	0.500	4.1	20.0

All other compounds must meet a minimum RRF of 0.010.

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR PESTICIDES ANALYSES
SAMPLES RECEIVED: 5/9/14
SDG #: URS167

For Sample(s):

MW-01	LEACHATE	MW-09
MW-05	MW-04	MW-08
MW-06	MW-02	20140507-FD-1
MW-07	MW-03	20140507-FD-2
MW-10		

The above water sample(s) was/were analyzed for a select list of pesticides by EPA method 8081B.

All Q. C. data and calibrations met the requirements of the method unless discussed below, and no problems were encountered with sample analysis. The following should be noted:

Sample MW-004 was submitted for matrix spike/matrix spike duplicate (MS/MSD) analysis, and recoveries and RPDs met the Q. C. limits. Lab fortified blanks (LFB) were analyzed for single peak pesticides and toxaphene, and results indicate good method efficiency.

Positives are reported to the practical detection limits of ½ of the reporting limits (PQL).

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: June 6, 2014

****
* *
* *
****

Ursula Middel
Quality Analyst

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR ORGANOPHOSPHOROUS PESTICIDES ANALYSES
SAMPLES RECEIVED: 5/9/14
SDG #: URS167

For Sample(s):

LEACHATE
20140507-FD-1

3/14/14 pf

The above water sample(s) was/were analyzed for a select list of herbicides by EPA method 8151A. ~~Please note that ELAP / NELAC do not offer certification for picloram.~~

Due to an oversight during login, the preparation holding time was missed by one day. URS was notified as soon as the problem was realized. Processing was continued upon approval.

All Q. C. data and calibrations met the requirements of the method unless discussed below, and no problems were encountered with sample analysis. The following should be noted:

No sample was submitted for matrix spike/matrix spike duplicate (MS/MSD) analysis, but a lab fortified blank (LFB) was analyzed, and results indicate good method efficiency.

Positives are reported to the practical detection limits of ½ of the reporting limits (PQL).

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: June 6, 2014

****
* *
* *
****
Ursula Middel
Quality Analyst

PACE ANALYTICAL

PREP BATCH REPORT

Prep Start Date: **5/15/2014 11:54:52**
Prep End Date: **5/15/2014 2:16:53 P**

Prep Batch ID: **44567** Prep Code: **3510** Technician: **Ajay Singh**

Prep Factor Units: **mL / mL**

Initial Temp: **°C** Final Temp **°C**

Sample ID	ClientSampleID	Matrix	pH1	pH2	SampAmt	Fin Vol	factor	GPC	Acid	Sulfur	Florisil	PrepStart	PrepEnd
MB-44567		Aqueous	7		1000	10	0.010	☐	☐	☐	☐	5/15/2014	5/15/2014
LFB-44567		Aqueous	7		1000	10	0.010	☐	☐	☐	☐	5/15/2014	5/15/2014
1405668-006B	LEACHATE	Leachate	7		1000	10	0.010	☐	☐	☐	☐	5/15/2014	5/15/2014
	Prep hold time was exceeded by 1.094 day(s)												
1405668-012B	20140507-FD-1	Groundwater	7		1000	10	0.010	☐	☐	☐	☐	5/15/2014	5/15/2014
	Prep hold time was exceeded by 1.496 day(s)												

Type	Chemical / Reagent ID	Chemical / Reagent Name	Container#	Container I	Amount Added	Unit
Chemical	191	Sodium Sulfate, Anhydrous_ VG12F	2668	Container-06 of 06		
Chemical	376	Hexane_138678	4230	Container-01 of 01		
Chemical	383	Methylene Chloride_141299	4238	Container-01 of 01		

Spike ID	Spike Name	Samp Type	Container#	Container ID	Amount Added	Amount Unit
QC8141_X	Organophosphorus Pesticide QC	LFB	2022	Container-01 of 02	5	µL
SS8141_AF	Methidathion Solution	ALL	2027	Container-01 of 04	100	µL

Equipment ID	Description
N-Vap 2	Nitrogen evaporator
Shaker 1	
WB-2	Waterbath

Cleanups:
GPC = Method EPA3640A
Acid = Method EPA3665A
Sulfur= Method EPA3660B
Florisil = Method-EPA3620B

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR HERBICIDES ANALYSES
SAMPLES RECEIVED: 5/9/14
SDG #: URS167

For Sample(s):

MW-01	LEACHATE	MW-09
MW-05	MW-04	MW-08
MW-06	MW-02	20140507-FD-1
MW-07	MW-03	20140507-FD-2
MW-10		

The above water sample(s) was/were analyzed for a select list of herbicides by EPA method 8151A. Please note that ELAP / NELAC do not offer certification for picloram.

All Q. C. data and calibrations met the requirements of the method unless discussed below, and no problems were encountered with sample analysis. The following should be noted:

Sample MW-004 was submitted for matrix spike/matrix spike duplicate (MS/MSD) analysis, and recoveries and RPDs met the Q. C. limits. A lab fortified blank (LFB) was analyzed, and results indicate good method efficiency.

%D in the continuous calibrations exceeded the variability criterion of 20% for 2,4-DB and dinoseb on column CLP. No sample results are affected, because no positives were found, but the concentrations for the spiked analyses, MS, MSD, and LFB, were reported from the compliant column CLP2.

Positives are reported to the practical detection limits of ½ of the reporting limits (PQL).

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: June 6, 2014

****
* *
* *
****

Ursula Middel
Quality Analyst

Pace Long Island

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR METALS ANALYSIS
SAMPLE(S) RECEIVED: 5/09/14
SDG #: URS167

For Sample(s):

MW-01	MW-02
MW-05	MW-03
MW-06	MW-09
MW-07	MW-08
MW-10	20140507-FD-1
LEACHATE	20140507-FD-2
MW-04	

The above sample(s) was/were received by Pace Analytical Services Inc. for TAL metals analysis.

Samples were prepared and analyzed using EPA methods 6010C with a TS ICAP 6000 instrument and 7470A with a Leeman HYDRA mercury analyzer.

Sample MW-04 was used for Q.C. analysis and reporting.

Spike analysis did not meet acceptance criteria for lead and silver. The sample was post spiked and recovered at 110.2% for lead and 118.2% for silver. Associated data were reported flagged "N" on forms 1 and 5A.

The ICP serial dilution analysis did not meet acceptance criteria for barium, manganese and potassium. Associated data were reported flagged "E" on forms 1 and 9.

No other issues were noted during the analysis of this sample group.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: June 10, 2014



Vincent Stancampiano

U.S. EPA - CLP

3
BLANKS

Lab Name: PACE ANALYTICAL Contract:

Lab Code: 10478 Case No. SAS No.: SDG No.: URS167

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum	-6.1	B	5.4	U	-12.0	B	-11.0	B	5.400	U	P
Antimony	1.9	U	1.9	U	1.9	U	1.9	U	1.900	U	P
Arsenic	2.0	B	2.0	B	1.1	U	1.9	B	1.410	B	P
Barium	0.2	U	0.2	U	0.2	U	0.2	U	0.160	U	P
Beryllium	0.1	U	0.1	U	0.1	U	0.1	U	0.140	U	P
Cadmium	0.1	U	0.1	U	0.1	U	0.1	U	0.110	U	P
Calcium	25.8	U	25.8	U	25.8	U	25.8	U	25.800	U	P
Chromium	1.1	U	1.1	U	1.1	U	1.1	U	1.100	U	P
Cobalt	0.2	B	0.2	U	0.2	U	0.2	U	0.190	U	P
Copper	0.8	U	0.8	U	0.8	U	0.8	U	0.760	U	P
Iron	-9.9	B	-10.0	B	-15.0	B	-16.0	B	3.900	U	P
Lead	1.9	U	1.9	U	1.9	U	1.9	U	1.900	U	P
Magnesium	22.0	U	22.0	U	22.0	U	22.0	U	22.000	U	P
Manganese	-0.6	B	-0.7	B	-0.7	B	-0.5	B	0.320	U	P
Nickel	0.3	U	0.3	U	0.3	U	0.3	U	0.340	U	P
Potassium	81.0	U	-210.0	B	-180.0	B	-230.0	B	81.000	U	P
Selenium	1.1	U	-1.4	B	1.1	U	-1.4	B	1.200	B	P
Silver	0.4	U	0.4	U	0.4	U	0.4	U	0.430	U	P
Sodium	146.8	U	146.8	U	146.8	U	146.8	U	147.000	U	P
Thallium	3.1	B	-1.6	B	5.3	B	-2.1	B	4.880	B	P
Vanadium	0.4	U	0.4	U	0.4	U	0.4	U	0.390	U	P
Zinc	1.3	U	1.3	U	1.3	U	1.3	U	1.300	U	P

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO
MW-04S

Lab Name: PACE ANALYTICAL Contract:

Lab Code: 10478 Case No. SAS No.: SDG No.: URS167

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75-125	1736.0000		73.6000	B	2000.00	83.1		P
Antimony	75-125	409.4000		1.9496	U	500.00	81.9		P
Arsenic	75-125	33.6600		1.1096	U	40.00	84.1		P
Barium	75-125	1678.0000		51.5000	B	2000.00	81.3		P
Beryllium	75-125	42.3000		0.1400	U	50.00	84.6		P
Cadmium	75-125	41.1000		0.1134	U	50.00	82.2		P
Chromium	75-125	158.2000		1.1403	U	200.00	79.1		P
Cobalt	75-125	420.1000		0.1855	U	500.00	84.0		P
Copper	75-125	209.1000		2.6000	B	250.00	82.6		P
Iron	75-125	804.6000		47.2000	B	1000.00	75.7		P
Lead	75-125	16.5300		3.7580	B	20.00	63.9	N	P
Manganese	75-125	569.8000		149.7000		500.00	84.0		P
Mercury	75-125	0.9527		0.1000	U	1.00	95.3		CV
Nickel	75-125	419.4000		0.5000	B	500.00	83.8		P
Selenium	75-125	8.3570	B	1.1346	U	10.00	83.6		P
Silver	75-125	33.9800		0.4278	U	50.00	68.0	N	P
Thallium	75-125	44.8600		1.8150	B	50.00	86.1		P
Vanadium	75-125	412.2000		0.9000	B	500.00	82.3		P
Zinc	75-125	459.9000		12.7000	B	500.00	89.4		P

Comments:

U.S. EPA - CLP

9
ICP SERIAL DILUTIONS

MW-04

Lab Name: PACE ANALYTICAL Contract:

Lab Code: 10478 Case No. SAS No.: SDG No.: URS167

Matrix (soil/water): WATER Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	73.60	B	651.00	B	784.5		P
Antimony	1.90	U	9.70	U			P
Arsenic	1.10	U	15.94	B			P
Barium	51.50	B	57.00	B	10.7	E	P
Beryllium	0.14	U	0.70	U			P
Cadmium	0.11	U	1.00	B			P
Calcium	74610.00		80200.00		7.5		P
Chromium	1.10	U	8.00	B			P
Cobalt	0.19	U	0.93	U			P
Copper	2.60	B	81.50	B	3034.6		P
Iron	47.20	B	834.50		1668.0		P
Lead	3.76	B	22.95	B	510.7		P
Magnesium	13590.00		14845.00	B	9.2		P
Manganese	149.70		233.50		56.0	E	P
Nickel	0.50	B	31.00	B	6100.0		P
Potassium	5667.00		6310.00	B	11.3	E	P
Selenium	1.10	U	5.70	U			P
Silver	0.43	U	2.10	U			P
Sodium	397000.00		403600.00		1.7		P
Thallium	1.82	B	6.50	U	100.0		P
Vanadium	0.90	B	5.00	B	455.6		P
Zinc	12.70	B	6100.00		47931.5		P

U.S. EPA - CLP

14
ANALYSIS RUN LOG

Lab Name: PACE ANALYTICAL Contract:

Lab Code: 10478 Case No. SAS No.: SDG No.: URS167

Instrument ID Number: ICAP6000 Method: P

Start Date: 06/06/2014 End Date: 06/06/2014

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	1030		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
S	1.00	1037			X																	X					
S	1.00	1043		X						X				X		X											
S	1.00	1049				X									X						X			X			
S	1.00	1055					X	X	X		X	X	X				X		X						X	X	
S	1.00	1101												X									X				
S	1.00	1107																		X			X				
ICV	1.00	1114		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1120																									
ICB	1.00	1126		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1132																									
CRI	1.00	1138			X	X		X	X		X	X	X		X		X		X		X	X		X	X	X	
ICSA	1.00	1144		X		X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
ICSAB	1.00	1150		X		X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
CCV 1	1.00	1156		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1202																									
CCB 1	1.00	1209		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
PBW	1.00	1215		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1221																									
LCSW	1.00	1227		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
MW-01	1.00	1233		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
MW-05	1.00	1239		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
MW-06	1.00	1246		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
MW-07	1.00	1252		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
MW-10	1.00	1258		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
LEACHATE	1.00	1304		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
MW-04	1.00	1310		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV 2	1.00	1317		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1323																									
CCB 2	1.00	1329		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1335																									
ZZZZZZ	1.00	1341																									
MW-04D	1.00	1347		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
MW-04S	1.00	1353		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
MW-02	1.00	1359		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	

U.S. EPA - CLP

14
ANALYSIS RUN LOG

Lab Name: PACE ANALYTICAL Contract:

Lab Code: 10478 Case No. SAS No.: SDG No.: URS167

Instrument ID Number: ICAP6000 Method: P

Start Date: 06/06/2014 End Date: 06/06/2014

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
MW-03	1.00	1405		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
MW-09	1.00	1412		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
MW-08	1.00	1418		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
40507-FD-1	1.00	1424		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
40507-FD-2	1.00	1430		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV 3	1.00	1436		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1442																										
CCB 3	1.00	1448		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
MW-04L	5.00	1454		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
MW-04A	1.00	1500													X							X					
ZZZZZZ	1.00	1506																										
ZZZZZZ	1.00	1512																										
ZZZZZZ	1.00	1608																										
ZZZZZZ	1.00	1614																										
ZZZZZZ	1.00	1620																										
CRI	1.00	1626			X	X		X	X		X	X	X		X		X		X		X	X		X	X	X	
ICSA	1.00	1632		X		X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
ICSAB	1.00	1638		X		X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
CCV 4	1.00	1645		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1650																										
CCB 4	1.00	1656		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1703																										
ZZZZZZ	1.00	1709																										
ZZZZZZ	1.00	1715																										
ZZZZZZ	1.00	1721																										
ZZZZZZ	1.00	1727																										
ZZZZZZ	1.00	1733																										
ZZZZZZ	5.00	1739																										
ZZZZZZ	1.00	1745																										
ZZZZZZ	1.00	1751																										
ZZZZZZ	1.00	1757																										
ZZZZZZ	1.00	1803																										
ZZZZZZ	1.00	1809																										
ZZZZZZ	1.00	1815																										
ZZZZZZ	1.00	1821																										