PHASE II ENVIRONMENTAL SITE ASSESSMENT

FOR THE COMMUNITY GARDEN AT STEVENS ELEMENTARY SCHOOL

WHEATRIDGE, JEFFERSON COUNTY, COLORADO

Prepared for:

U.S. ENVIRONMENTAL PROTECTION AGENCY
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Date Prepared	May 2017
TDD No.	0003/1702-07
Document Control No.	W0457.1A.01300
Contract No.	EP-S8-13-01
U.S. EPA Work Assignment Manager	Christina Wilson

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TABLE OF CONTENTS

Section **Page**

SUMMARY 1
1.0 INTRODUCTION 3
1.1 SCOPE OF WORK AND PURPOSE 5
1.2 STATEMENT OF OBJECTIVES 5
1.3 SUMMARY OF BACKGROUND INFORMATION 6
1.4 PROPERTY DESCRIPTION, LOCATION, AND HISTORY 6
1.4.1 Previous Environmental Reports and Records 6
2.0 DESCRIPTION OF WORK PERFORMED AND RATIONALE 7
2.1 SAMPLING 7
2.2 UNDERGROUND UTILITY LOCATION 7
2.3 DEVIATIONS FROM THE SAMPLING AND ANALYSIS PLAN 7
3.0 METHODS USED 8
3.1 COMPOSITE SOIL SAMPLING 8
3.2 SOIL GRAB SAMPLING 9
3.3 SAMPLE NOMENCLATURE 9
3.4 LABORATORY ANALYTICAL METHODS 10
3.5 QUALITY ASSURANCE/QUALITY CONTROL 10
4.0 PRESENTATION, EVALUATION AND INTERPRETATION OF INFORMATION, DATA, AND RESULTS 11
4.1 COMPOSITE SOIL SAMPLING – STEVENS ELEMENTARY SCHOOL 11
4.2 GRAB SOIL SAMPLING – STEVENS ELEMENTARY SCHOOL 11
4.3 INTERPRETATION OF RESULTS 11
4.3.1 Composite Soil Samples – Stevens Elementary School 11
4.3.2 Grab Soil Samples – Stevens Elementary School 12
4.4 CONCEPTUAL SITE MODEL 13
4.4.1 Presence and Level of Concern Posed by Target Analytes 13
4.4.2 Exposure Pathway 16
4.5 DISCLOSURE OF AVAILABLE DATA INSUFFICIENT TO MEET OBJECTIVES 17
5.0 FINDINGS, OPINIONS AND CONCLUSIONS OF THE PHASE II ESA 18
6.0 SIGNATURE OF PHASE II ASSESSOR AND SEAL 20
7.0 SPECIFICATIONS FOR ASTM E 1903-11 REPORT USE AND RELIANCE 21
7.1 SPECIAL TERMS AND CONDITIONS 21
7.2 LIMITATIONS AND EXCEPTIONS OF ASSESSMENT 21
7.3 DISCLAIMERS 21
8.0 REFERENCES 23
9.0 QUALIFICATIONS 25

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LIST OF FIGURES

FIGURE 1 SITE LOCATION MAP
FIGURE 2 SAMPLE LOCATIONS MAP

LIST OF TABLES

TABLE 1 SOILS ANALYTICAL DATA – METALS AND pH
TABLE 2 SOILS ANALYTICAL DATA – SVOCs
TABLE 3 SOILS ANALYTICAL DATA – VOCs
TABLE 4 SOILS ANALYTICAL DATA – PESTICIDES AND HERBICIDES

LIST OF APPENDICES

APPENDIX A FIELD LOGBOOK
APPENDIX B ANALYTICAL DATA VERIFICATION REPORTS
APPENDIX C ANALYTICAL LABORATORY DATA REPORTS
APPENDIX D TARGETED BROWNFIELDS ASSESSMENT APPLICATION
APPENDIX E TOXICOLOGY ASSESSMENT

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LIST OF ACRONYMS

bgs	below ground surface
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	Code of Federal Regulations
COC	Contaminant of Concern
cy	cubic yard
DUG	Denver Urban Gardens
EP	Environmental Professional
EPA	United States Environmental Protection Agency
ERT	Environmental Response Team
ESA	Environmental Site Assessment
ID	identification
in	inch
mg/kg	milligram per kilogram
PPE	personal protective equipment
QA	quality assurance
QC	quality control
RCRA	Resource Conservation and Recovery Act
RSL	regional screening level
SAP	Sampling and Analysis Plan
SOP	Standard Operating Procedure
START	Superfund Technical Assessment and Response Team
ST	Stevens Elementary School
SVOC	Semi-volatile Organic Compound
TAL	Target Analyte List
TBA	Targeted Brownfields Assessment
TDD	Technical Direction Document
VOC	Volatile Organic Compound
WAM	Work Assignment Manager
WESTON	Weston Solutions, Inc.

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SUMMARY

The United States Environmental Protection Agency (EPA) tasked the Weston Solutions, Inc. (WESTON) Superfund Technical Assessment and Response Team (START) to assist the EPA in conducting a Phase II Environmental Site Assessment (ESA) for the proposed Stevens Elementary School garden, located at 7101 W 38th Avenue, Wheatridge, Jefferson County, Colorado (CO) (the "Site") (Figure 1). Only the proposed community garden site was assessed by this Phase II ESA, not the entire school property.

SCOPE OF WORK

The Phase II ESA was conducted in accordance with Technical Direction Document (TDD) 0003/1702-07 and *ASTM, International E1903-11 Standard Practice for Environmental Site Assessments: Phase II Environmental Site Assessment Process* to achieve the objectives set forth in the Statement of Objectives (*Objectives*) developed by the user(s) and the Phase II Assessor. The *Objectives* developed for this Site are presented as follows:

- Assess and evaluate potential impacts to subsurface soil by suspected contaminants including volatile organic compounds (VOCs); semi-volatile organic compounds (SVOCs) Target Analyte List (TAL) metals; pesticides and herbicides that are potentially present at the property;
- Assess and evaluate potential impacts to subsurface soil by pH values that can impact soil nutrients for gardening at the property;
- Develop sufficient information to reasonably render a professional opinion that, with respect to the potential concerns noted above, hazardous substances either are or are not present at the property, including the concentrations of the substances if present; and
- Gather and provide sufficient data to assist the Targeted Brownfields Assessment (TBA) recipient in making informed decisions with regard to the future use of the property.

Phase II ESA

The Phase II Environmental Site Assessment (ESA) included sampling to characterize surface and subsurface soil at the site which included soils from the ground surface to 18 inches below ground surface (bgs) (Figure 2). The garden site is 0.19 acres and will be sampled as one zone. For this assessment, surface soils were defined as soil material from 0-1 inches bgs. Subsurface soils were defined as soil material to a depth ranging from 1 to 18 inches bgs.

Both composite samples and grab samples were collected from the one zone. A composite sample consists of a specified number of sample aliquots. Composite samples were obtained from 0-1, 1-9 and 9-18 inches bgs. Samples were obtained in the zone by use of a hand auger from which soil aliquots were placed into zip top plastic bags where they were homogenized, then placed into laboratory provided sample jars for analysis. The composite samples were analyzed for SVOCs,

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pH, TAL metals, pesticides and herbicides. In an effort to obtain undisturbed soil samples for VOC analysis two grab samples, including one duplicate were obtained from discrete locations within the sampling zones from depths between 15-16 inches bgs (Figure 2). These samples were placed directly into laboratory sample jars without homogenizing.

The overall sample details are outlined below:

- A total of one composite subsurface soil sample was obtained from 0-1 inches bgs, from sample zone 01 (Figure 2). The zone 1 composite soil sample consisted of 10 aliquots, spatially representative of the sample zone. These samples were analyzed for SVOCs, TAL metals, pesticides, herbicides, and pH;
- A total of one composite subsurface soil sample was obtained from 1-9 inches bgs,from sample zone 01 (Figure 2). The zone 1 composite soil sample consisted of 10 aliquots, spatially representative of the sample zone. These samples were analyzed for SVOCs, TAL metals, and pH;
- A total of one composite subsurface soil sample was obtained from 9-18 inches bgs, one from sample zone 01 (Figure 2). The zone 1 composite soil sample consisted of 10 aliquots, spatially representative of the sample zone. These samples were analyzed for SVOCs, TAL metals, and pH;
- A total of one grab sample was obtained from sample zone 01 from depth intervals described above for VOC analysis.
- Additionally, three samples from the site were designated for sample duplicate analysis, and two samples designated for matrix spike/matrix spike duplicate sample analysis. These samples are designated for use as sample quality assurance/quality control (QA/QC).

Analytical results are presented in Section 4 and Tables 1 through 3. Surface and subsurface soils that include the ground surface to 18 inches bgs were investigated as part of the objectives for this Phase II ESA and have confirmed the presence of target analytes at the Site. The following is a list of the analytes and associated media identified at the Site by START:

- Metals
    - Arsenic was observed to exceed the May 2016, EPA Regional Screening Level (RSL) for Residential Soil in all surface and sub-surface soil samples collected. However, the arsenic levels are typical of natural conditions in Colorado (CDPHE, 2014). No other metals exceeded residential RSLs.
- VOCs
    - Methylene Chloride was detected in the soil samples, however, it did not exceed EPA RSL's. No other VOCs were detected.

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- SVOC's
  - Eighteen SVOCs, 2-methylnaphthalene, acenaphthene, acenaphthylene, anthracene, benzo[a]anthracene, benzo[a]pyrene, benzo[b]fluoranhene, benzo[g,h,i]perylene, benzo[k]fluoranthene, chrysene, dibenz(a,h)anthracene, bis(2-ethylhexyl)phthalate, fluoranthene, fluorine, indeno[1,2,3-cd]pyrene, naphthalene, phenanthrene, and pyrene were detected in the soil samples. Benzo[a]pyrene exceeded the EPA RSL's in each soil sample. No other detections exceeded the RSL's for these analytes. No other SVOCs were detected.
- PESTICIDES
  - 2,4-DB was detected in the duplicate soil sample, however it did not exceed EPA RSL's. No other pesticides were detected in the soil samples.
- HERBICIDES
  - 4,4'-DDE was detected in the soil samples, however it did not exceed EPA RSL's. No other herbicides were detected in the soil samples.
- pH
  - pH of the soil at the site was observed to be neutral to slightly alkaline in the range of 8.3 to 8.4.

EPA Toxicologist, Deborah McKean, reviewed the analytical data and provided the following determination:

VOCs
No exceedances of RSLs were observed in any of the soil samples.

SVOCs
Exceedances of residential RSLs were observed for several polycyclic aromatic hydrocarbons (PAHs) in several samples. Those PAHs exceeding residential RSLs include: benzo-a-pyrene. It should be noted that PAHs, are often found at elevated levels in urban environments. Although exceedances are noted, the levels detected do not result in exposures and risk above EPA's target risk range. PAHs are found products of incomplete combustion of gasoline, oil, and coal, in asphalt, and as a result of forest fires. PAHs bind very tightly to soil and are not taken up into plant material.

Pesticides and Herbicides
No exceedances of RSLs were observed in any of the soil samples.

TAL Metals
Arsenic was found to exceed residential RSLs in a number of soil samples. Although exceeding residential RSLs, arsenic levels detected are within the range of concentrations typically found in the Denver area as reported by the United States Geological Society (http://pubs.usgs.gov/of/2014/1082/pdf/ofr2014-1082/pdf).

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Conclusion:

Soil concentrations of PAHs were found to exceed RSL, but are within EPA's acceptable risk range. Arsenic were found to exceed residential RSL but is within the range of concentrations typically found in the Denver area. Based on the analytical results from the Phase II ESA, a garden is an appropriate use for the site.

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INTRODUCTION

1.1 SCOPE OF WORK AND PURPOSE

The Weston Solutions, Inc. (WESTON) Superfund Technical Assessment and Response Team (START) conducted a Phase II Environmental Site Assessment (ESA) for the proposed community garden, located at 7101 W 38th Avenue, Wheatridge, Jefferson County, Colorado (the "Site") (Figure 1). The ESA was conducted in accordance with Technical Direction Document (TDD) 0003/1702-07 and *American Society for Testing and Materials (ASTM) International – Standard Practice for Environmental Site Assessments: Phase II Environmental Site Assessment Process E1903-11*. The purpose of an ESA is to acquire and evaluate information sufficient to achieve the objectives set forth in the *Statement of Objectives* (*Objectives*) developed by the user(s) and the Phase II Assessor to acquire and evaluate sufficient information to determine the extent, location and concentration of potential environmental contamination for the proposed community garden. The *Objectives* developed for this Site are presented in Section 1.2.

This Phase II assessment report contains the results of the data collection activities and associated QA/QC measures conducted. Information used to conduct this Phase II ESA was based upon reasonably ascertainable, visually and physically observable conditions, and included testing or sampling of materials. The structure of this report is based on the ASTM E1903-11 standard.

1.2 STATEMENT OF OBJECTIVES

The *Objectives* were developed by the Jefferson County Public School system, Denver Urban Gardens (DUG) (users), START (Phase II Assessor), and the United States Environmental Protection Agency (EPA) to obtain sound, scientifically valid data concerning the presence or the likely presence of hazardous substances. The *Objectives* for the assessment were determined during the project scoping meeting held on November 9, 2016. The specific objectives for this Phase II ESA are as follows:

- Assess and evaluate potential impacts to subsurface soil by suspected contaminants including volatile organic compounds (VOCs); semi-volatile organic compounds (SVOCs) Target Analyte List (TAL) metals; pesticides and herbicides that are potentially present at the property;
- Assess and evaluate potential impacts to subsurface soil by pH values that can impact soil nutrients for gardening at the property;
- Develop sufficient information to reasonably render a professional opinion that, with respect to the potential concerns noted above, hazardous substances either are or are not present at the property, including the concentrations of the substances if present; and
- Gather and provide sufficient data to assist the Targeted Brownfields Assessment (TBA) recipient in making informed decisions with regard to the future use of the property.

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1.3 SUMMARY OF BACKGROUND INFORMATION

The school was constructed in 1995 and the site appears to have been undeveloped prior to then. There are often drainage issues with the site and a storm drain inlet is located on the eastern side of the garden area.

1.4 PROPERTY DESCRIPTION, LOCATION, AND HISTORY

The site is currently part of the Stevens Elementary school property and is proposed to be a garden. The local area is predominately residential including adjacent boulevards and avenues. There are some commercial properties to the southeast and southwest of the school, including a nearby gas station. Stevens Elementary has partnered with Denver Urban Gardens to reuse part of the existing parcel to establish a school-based community garden. Consumers of garden produce are the surrounding community, the students and their families of Stevens Elementary.

1.4.1 Previous Environmental Reports and Records

No previous reports or records were obtained by START.

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2.0 DESCRIPTION OF WORK PERFORMED AND RATIONALE

2.1 SAMPLING

This section summarizes the Phase II ESA work performed and rationale to meet the *Objectives* developed for the investigation as documented in the approved Sampling and Analysis Plan (SAP) for the Site (START, 2017). Deviations from the approved SAP for this Phase II ESA are presented in Section. 2.3.

Based upon the *Objectives* developed for the Site, surface and subsurface soils were the only media investigated as part of this Phase II ESA. The investigation included sample collection for laboratory analysis. Surface soils were defined as soil material from 0-1 inch bgs. Subsurface soils were defined as soil material to a depth ranging from 1 to 18 inches bgs. Details of the investigative work performed and rationale are presented in the following sections of the Phase II ESA.

2.2 UNDERGROUND UTILITY LOCATION

Underground utilities were not a concern on the site, therefore no utility locate was completed.

2.3 DEVIATIONS FROM THE SAMPLING AND ANALYSIS PLAN

The laboratory exceeded the hold times of the SVOC samples, however the PAHs were run within the hold time. An assumption was made that the missed SVOC hold times did not significantly impact the results.

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3.0 METHODS USED

3.1 COMPOSITE SOIL SAMPLING

In an effort to obtain a comprehensive understanding of soil conditions at the garden site, a composite sampling strategy was employed. The proposed garden area was partitioned into sample zones that represented specific garden components, e.g., at-grade garden plot areas. Stevens Elementary School sample zone included one at-grade garden plot (zone 01) (Figure 2). This composite and homogenization sampling approach allowed for spatially representative samples to be obtained from each zone.

Not including QA/QC samples, a total of one surface soil sample was obtained from a depth of 0-1 inch, a total of one subsurface soil sample was obtained from a depth of 1-9 inches, and a total of one subsurface soil sample was obtained from a depth of 9-18 in bgs at the site (Figure 2). One sample for duplicate analysis was also designated for QA/QC purposes. Samples were obtained by use of a hand auger, by augering to the desired depth and placing the soil aliquots from the auger barrel into one-gallon sized zip top plastic bags where they were homogenized. Sample homogenization at the site followed U. S. EPA Environmental Response Team Standard Operating Procedure SOP: 2012-Soil Sampling. The field soil homogenization standard operating procedure consists of putting similar volumes of a predetermined number of sample aliquots into a one-gallon zip top bag. Cohesive portions of the contents are crushed by hand and organic matter and rocks are removed. The bag is vigorously shaken and tumbled by hand until visual inspection indicates that the sample is uniformly mixed. This homogenization sampling method reduces the number of laboratory-submitted samples required to characterize discrete areas as compared with traditional sampling methods and allows for characterization of contaminants of concern (COCs) for large areas in a cost-efficient manner.

Decontamination of non-dedicated sampling equipment, i.e., hand auger, between each sample interval and zone was performed following the procedures described in the approved SAP and Environmental Response Team (ERT) SOP #2006. Samples were collected by START personnel in level D PPE appropriate to the hazards presented. All of the composite soil samples collected followed the methods described in the project SAP.

Composite soil samples included ST-SO-01-00-01 (and duplicate ST-SO-DUP1 for pesticide and herbicide analysis), ST-SO-01-01-09 (and duplicate ST-SO-DUP2 for metals and SVOCs analysis), and ST-SO-01-09-18.

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3.2 SOIL GRAB SAMPLING

A grab sample is a single sample collected at a particular time and place that represents the composition of the water, air, or soil only at that time and place. It is not homogenized or mixed with any other samples or aliquots. Because volatile organic compounds may be lost during soil homogenization procedures grab samples were obtained at the site for VOC analysis from each sample zone at a specific depth interval. Therefore, not including QA/QC samples, a total of one discrete grab subsurface soil sample was obtained from the site (Figure 2). One sample for duplicate analysis was also designated for QA/QC purposes. Samples were collected by use of a hand auger by augering to the desired depth and placing the soil sample from the auger barrel directly into dedicated laboratory-provided sample jars for analysis.

Decontamination of non-dedicated sampling equipment, i.e., hand auger, between each sample interval and zone was performed following the procedures described in the approved SAP and Environmental Response Team (ERT) SOP #2006. Samples were collected by START personnel in level D PPE appropriate to the hazards presented. All of the discrete soil samples collected followed the methods described in the project SAP.

Discrete grab samples included ST-SO-01-15-16 (and duplicate ST-SO-DUP3).

3.3 SAMPLE NOMENCLATURE

The environmental investigation soil samples collected during the Phase II ESA investigation were labeled with sample identification (ID) numbers. The sample ID numbers were recorded in the site notes and on the chain-of-custody in accordance with SOPs.

Sample IDs were uniquely composed with five components: the Site ID, sample type, zone number, and sample interval. Note that the Installation Identification component was revised in the field to reflect a two letter identifier rather than the 3 to 4 letter identifier as stated in the SAP. An example of the sample nomenclature used during the inspection is provided below:

[_ _]	[_ _]	[_ _]	[_ _]	[_ _]
1	2	3	4	5

Component 1 – Defines the Installation Identification:
ST = Stevens Elementary School
Component 2 – Defines sample type:
SO = Soil Sample
EB= Equipment Blank
Component 3 – Indicates the zone number (two digits)
01 = the first sample zone
Component 4 – Indicates the depth at the top of the soil sample core
For example, 01= 01 inches bgs

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Component 5 – Indicates the depth at the bottom of the soil sample core
For example, 09= 09 inches bgs

An example of a sample number is ST-SO-02-01-09. This identifies the sample as a Stevens Elementary School soil sample from sample zone number 2 obtained from the 1-9 inch depth interval.

3.4 LABORATORY ANALYTICAL METHODS

All samples were analyzed by the TestAmerica Laboratory using EPA Method 9045 for pH, EPA Method 6010/6020/7471 for TAL Metals, EPA Method 8260 for VOCs, EPA Method 8270 for SVOCs, EPA method 8081 for pesticides and EPA method 8151 for herbicides.

3.5 QUALITY ASSURANCE/QUALITY CONTROL

Three field duplicates were analyzed by the laboratory to verify data quality (Tables 1 through 4). One matrix spike/matrix spike duplicate (MS/MSD) sample was analyzed for laboratory quality control purposes. Additionally, an equipment rinsate sample was obtained to determine effectiveness of equipment decontamination operations. Analytical data was verified by START to EPA Stage 1 validation standards as described in *Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use* (January 2009).

The laboratory exceeded the hold time for SVOC analysis, however all analytical data was determined to be usable for site characterization purposes.

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4.0 PRESENTATION, EVALUATION AND INTERPRETATION OF INFORMATION, DATA, AND RESULTS

The evaluation and interpretation of the information, data, and results for the Phase II ESA are presented below. This section summarizes the laboratory results to identify the location and extent of contamination, if present. Sample locations and sample depths are presented in Figure 2. Laboratory results for the samples collected are presented in Tables 1 through 4.

4.1 COMPOSITE SOIL SAMPLING – STEVENS ELEMENTARY SCHOOL

Three composite samples (below) were obtained for soils analysis (Figure 2). Sample ST-SO-01-00-01 was duplicated in the field for pesticides and herbicides analysis. Sample ST-SO-01-01-09 was duplicated in the field for metals and SVOCs analysis. The laboratory performed a matrix spike/matrix spike duplicate analysis on sample ST-SO-01-01-09. Composite samples were analyzed for SVOCs, TAL metals, pesticides, herbicides and pH.

ST-SO-01-00-01	Field duplicate (ST-SO-DUP1)
ST-SO-01-01-09	Field duplicate (ST-SO-DUP2) and Matrix spike/matrix spike duplicate by laboratory
ST-SO-01-09-18	

4.2 GRAB SOIL SAMPLING – STEVENS ELEMENTARY SCHOOL

One grab sample (below) was obtained for soils analysis (Figure 2). Sample ST-SO-01-15-16 was duplicated in the field. Grab samples were analyzed for VOC's.

ST-SO-01-15-16	Field duplicate (ST-SO-DUP3) and Matrix spike/matrix spike duplicate by laboratory

4.3 INTERPRETATION OF RESULTS

Laboratory analytical results of the soil samples were compared to the May 2016 EPA Regional Screening Levels (RSLs) for residential soils using a Target Hazard Quotient (THQ) = 1.0 (Tables 1 through 3). These screening levels are considered the most conservative comparisons. Laboratory data reports are presented in Appendix B. Following is a summary of analytical results.

4.3.1 Composite Soil Samples – Stevens Elementary School

Analytical results of the composite samples obtained from the proposed garden site (Figure 2) indicate elevated levels of arsenic that exceeded the RSL by one order of magnitude (0.68 mg/kg (RSL) vs 3.4 mg/kg). However, because naturally occurring arsenic background levels are

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observed at urban mixed use land environments (such as this site) within Colorado to range from 6 to 19 mg/kg (CDPHE, 2014), and the range of arsenic on site is 1.9 to 3.4 mg/kg, the arsenic levels are considered to be within typical Colorado natural conditions.

Analytical results of the composite samples obtained from the proposed garden site (Figure 2) indicate 2-methylnaphthalene, acenaphthene, acenaphthylene, anthracene, benzo[a]anthracene, benzo[a]pyrene, benzo[b]fluoranhene, benzo[g,h,i]perylene, benzo[k]fluoranthene, chrysene, dibenz(a,h)anthracene, bis(2-ethylhexyl)phthalate, fluoranthene, fluorine, indeno[1,2,3-cd]pyrene, naphthalene, phenanthrene, pyrene, 2,4-DB and 4,4'-DDE are present at the site. Benzo[a]pyrene exceeded the EPA RSL's in each soil sample. No other detected analytes exceeded the RSLs.

The pH of the soils on site were observed to range from 8.3 to 8.4, averaging 8.3 and are therefore slightly alkaline.

All other metals, SVOC's, pesticide and herbicide analytical results did not exceed the EPA RSLs for Residential Soil or were not detected.

Duplicate sample comparison to the field sample analysis indicates a very good correlation of analytical results. Unlike water samples, soil samples are inherently non-heterogeneous and a wide range of analyte variability can occur during laboratory analysis. Equipment rinsate solution analysis indicates successful decontamination procedures.

4.3.2 Grab Soil Samples – Stevens Elementary School

Soil grab samples were derived from one aliquot location at the site and included VOC analysis only (Figure 2). Methylene Chloride was observed on site. None of the detected analytes exceeded EPA RSLs. All other VOCs were not detected in the soil samples.

Duplicate sample comparison to the field sample analysis indicates a good correlation of analytical results. Unlike water samples, soil samples are inherently non-heterogeneous and a wide range of analyte variability can occur during laboratory analysis. Equipment rinsate solution analysis indicates successful decontamination procedures.

4.3.4 Toxicological Assessment

The purpose of this assessment by EPA Toxicologist, Deborah McKean, is to assess laboratory analysis results for presence of target analyte list (TAL) metals, volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), pesticides and herbicides in soil samples collected at the Site. This assessment evaluates the detected analytes thru a comparison to risk-based Regional Screening Levels (RSLs) for residential land use and literature data on anthropogenic levels of compounds found in the urban environment. The RSLs for soil are based

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on conservative exposure assumptions of a 30 year duration and 24 hours per day and include ingestion, inhalation and dermal exposure pathways. Although RSLs do not directly evaluate ingestion of fruits and vegetables grown in this soil, the conservative nature of the RSLs are thought to subsume the fruit and vegetable ingestion pathways. These comparisons will be the basis for the determination of suitability of this site as an urban garden. The results highlighted in the attached table are those that exceed RSLs for residential land use.

EPA Toxicologist, Deborah McKean, reviewed the analytical data and provided the following determination:

VOCs
No exceedances of RSLs were observed in any of the soil samples.

SVOCs
Exceedances of residential RSLs were observed for several polycyclic aromatic hydrocarbons (PAHs) in several samples. Those PAHs exceeding residential RSLs include: benzo-a-pyrene. It should be noted that PAHs, are often found at elevated levels in urban environments. Although exceedances are noted, the levels detected do not result in exposures and risk above EPA's target risk range. PAHs are found products of incomplete combustion of gasoline, oil, and coal, in asphalt, and as a result of forest fires. PAHs bind very tightly to soil and are not taken up into plant material.

Pesticides and Herbicides
No exceedances of RSLs were observed in any of the soil samples.

TAL Metals
Arsenic was found to exceed residential RSLs in a number of soil samples. Although exceeding residential RSLs, arsenic levels detected are within the range of concentrations typically found in the Denver area as reported by the United States Geological Society (http://pubs.usgs.gov/of/2014/1082/pdf/ofr2014-1082/pdf).

Conclusion:
Soil concentrations of PAHs were found to exceed RSL, but are within EPA's acceptable risk range. Arsenic were found to exceed residential RSL but is within the range of concentrations typically found in the Denver area. Based on the analytical results from the Phase II ESA, a garden is an appropriate use for the site.

For complete determination from EPA toxicologist please see Appendix E.

4.4 CONCEPTUAL SITE MODEL

4.4.1 Presence and Level of Concern Posed by Target Analytes

Per ASTM E1903-11 (Section 6.4.6), validation of the conceptual site model is conducted by evaluating testing results and other investigation findings to determine whether available

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information is sufficient to support sound conclusions regarding the presence and level of concern posed by the target analytes. For this assessment, a ranking of low, moderate, or high level of concern is determined for each target analyte present based upon an evaluation against the criteria of presence, location, volume/amount, type, potential health hazard(s), and/or condition. Based on the results of this Phase II ESA, the level of concern posed by the target analytes present at the Site investigated as part of this Phase II ESA are presented below.

Stevens Elementary School Composite Surface Soil (0 in – 1 in)		
Target Analyte	**Present**	**Level of Concern**
TAL Metals	Yes	**Low** – Based upon the following: • Presence – TAL Metals are present in surface soils sampled on the Site. • Location – TAL Metals are present in the garden area • Amount – TAL Metals concentrations do not exceed EPA Regional Screening Levels except for arsenic. Arsenic is within the range of naturally occurring background levels.
SVOCs	Yes	**Low** – Based upon the following: • Presence – SVOCs are present in soils sampled on the Site. • Location – SVOCs are present in the garden area • Amount – Benzo[a]pyrene exceeds EPA Regional Screening Levels. All other SVOC concentrations do not exceed EPA Regional Screening Levels.
pH	Yes	**Low** – Based upon the following: • Presence – pH is slightly basic. • Location – pH is slightly basic in the garden area. • Amount – average pH of 8.3.

Stevens Elementary School Composite Subsurface Soil (1 in – 9 in)		
Target Analyte	**Present**	**Level of Concern**
TAL Metals	Yes	**Low** – Based upon the following: • Presence – TAL Metals are present in surface soils sampled on the Site. • Location – TAL Metals are present in the garden area • Amount – TAL Metals concentrations do not exceed EPA Regional Screening Levels except for arsenic. Arsenic is within the range of naturally occurring background levels.
SVOCs	Yes	**Low** – Based upon the following: • Presence – SVOCs are present in soils sampled on the Site. • Location – SVOCs are present in the garden area

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Stevens Elementary School Composite Subsurface Soil (1 in – 9 in)		
Target Analyte	**Present**	**Level of Concern**
		• Amount – SVOC concentrations of benzo[a]pyrene exceeded EPA Regional Screening Levels. All other detected SVOCs do not exceed EPA Regional Screening Levels.
Pesticides	Yes	**Low** – Based upon the following: • Presence – Pesticides were observed by laboratory analysis the duplicate soil sample on the Site. • Location – Pesticides are present in the garden area. • Amount – Pesticide concentrations do not exceed EPA Regional Screening Levels.
Herbicides	Yes	Low – Based upon the following: • Presence – Herbicides were observed by laboratory analysis in soils on the Site. • Location – Herbicides are present in the garden area. • Amount – Herbicide concentrations do not exceed EPA Regional Screening Levels.
pH	Yes	**Low** – Based upon the following: • Presence – pH is slightly basic. • Location – pH is slightly basic in the garden area. • Amount – average pH of 8.3.

Stevens Elementary School Composite Subsurface Soil (9 in – 18 in)		
Target Analyte	**Present**	**Level of Concern**
TAL Metals	Yes	**Low** – Based upon the following: • Presence – TAL Metals are present in surface soils sampled on the Site. • Location – TAL Metals are present in the garden area • Amount – TAL Metals concentrations do not exceed EPA Regional Screening Levels except for arsenic. Arsenic is within the range of naturally occurring background levels.
SVOCs	Yes	**Low** – Based upon the following: • Presence – SVOCs are present in soils sampled on the Site. • Location – SVOCs are present in the garden area • Amount – SVOC concentrations of benzo[a]pyrene exceeded EPA Regional Screening Levels. All other detected SVOCs do not exceed EPA Regional Screening Levels.

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Stevens Elementary School Composite Subsurface Soil (9 in – 18 in)		
Target Analyte	**Present**	**Level of Concern**
pH	Yes	**Low** – Based upon the following: • Presence – pH is slightly basic. • Location – pH is slightly basic in the garden area. • Amount – average pH of 8.3.

Stevens Elementary School Grab Soil (15 in – 16 in)		
Target Analyte	**Present**	**Level of Concern**
VOCs	Yes	**Low** – Based upon the following: • Presence – VOCs are present in soils sampled on the Site. • Location – VOCs are located in soils sampled on the Site. • Amount – VOC concentrations of Methylene Chloride do not exceed EPA Regional Screening Levels.

Based upon the presence and amount of COCs at the Site, no analytes were evaluated as potential constituents of concern.

4.4.2 Exposure Pathway

The current potential exposure pathways for the contaminants of concern as identified in Worksheet 17 of the SAP are presented below. If the site is developed into a community garden these exposure pathways could change. Even though an inherent action within a garden is to till and mix the soil, it was not feasible to sample and analyze all of the soil in the garden areas for this sampling effort. Therefore a composite sampling approach designed to be representative of the soils was implemented. Inherently, there are portions of the garden areas that were not sampled and could therefore be different from what was observed, altering the exposure pathway.

Target Analytes	Media	Contaminants Present Above Screening Benchmarks	Exposure Pathway	Exposure Route	Human Receptors		Comments
					Residential	Workers	
Metals VOCs SVOCs Pesticides Herbicides	Sub-surface Soil	Arsenic, benzo[a]pyrene	Incomplete	Dermal	--	X	
				Ingestion	--	X	
				Inhalation	--	X	

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4.5 DISCLOSURE OF AVAILABLE DATA INSUFFICIENT TO MEET OBJECTIVES

Per ASTM 1903-11 Section 1.3.2, all Phase II ESA reports must disclose any respect in which available data are insufficient to meet the *Objectives* of the assessment. Listed below are the disclosures in which the available data set for this investigation were insufficient to meet the *Objectives* of this Phase II ESA, if any.

Based upon the *Objectives* for this Phase II ESA, all *Objectives* of this assessment were met based upon the available data. In no respect was the available data insufficient to meet the *Objectives*.

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5.0 FINDINGS, OPINIONS AND CONCLUSIONS OF THE PHASE II ESA

START performed a Phase II ESA in conformance with the scope and limitations of ASTM Practice E 1903-11 for the proposed community garden, located at 7101 W 38th Avenue, Wheatridge, Jefferson County, Colorado. Surface and subsurface soils that include the ground surface to 18 inches bgs were investigated as part of the objectives for this Phase II ESA and have confirmed the presence of target analytes at the Site. The following is a list of the analytes and associated media identified at the Site by START:

- Metals
  - Arsenic was observed to exceed the May, 2016, EPA Regional Screening Level (RSL) for Residential Soil in all surface and sub-surface soil samples collected. However, the arsenic levels are typical of natural conditions in Colorado (CDPHE, 2014).
- VOCs
  - Methylene chloride was detected in the soil samples, however it did not exceed EPA RSL's.
- SVOC's
  - Eighteen SVOCs, 2-methylnaphthalene, acenaphthene, acenaphthylene, anthracene, benzo[a]anthracene, benzo[a]pyrene, benzo[b]fluoranhene, benzo[g,h,i]perylene, benzo[k]fluoranthene, chrysene, dibenz(a,h)anthracene, bis(2-ethylhexyl)phthalate, fluoranthene, fluorine, indeno[1,2,3-cd]pyrene, naphthalene, phenanthrene, and pyrene were detected in the soil samples. Benzo[a]pyrene exceeded the EPA RSL's in each soil sample. No other detections exceeded the RSL's for these analytes. No other SVOCs were detected.
- PESTICIDES
  - 2,4-DB was detected in the duplicate soil sample, however it did not exceed EPA RSL's. No other pesticides were detected in the soil samples.
- HERBICIDES
  - 4,4'-DDE was detected in the soil samples, however it did not exceed EPA RSL's. No other herbicides were detected in the soil samples.
- pH
  - pH of the soil at the site was observed to be neutral to slightly alkaline in the range of 8.3 to 8.4.

EPA Toxicologist, Deborah McKean, reviewed the analytical data and provided the following determination:

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VOCs
No exceedances of RSLs were observed in any of the soil samples.

SVOCs
Exceedances of residential RSLs were observed for several polycyclic aromatic hydrocarbons (PAHs) in several samples. Those PAHs exceeding residential RSLs include: benzo-a-pyrene. It should be noted that PAHs, are often found at elevated levels in urban environments. Although exceedances are noted, the levels detected do not result in exposures and risk above EPA's target risk range. PAHs are found products of incomplete combustion of gasoline, oil, and coal, in asphalt, and as a result of forest fires. PAHs bind very tightly to soil and are not taken up into plant material.

Pesticides and Herbicides
No exceedances of RSLs were observed in any of the soil samples.

TAL Metals
Arsenic was found to exceed residential RSLs in a number of soil samples. Although exceeding residential RSLs, arsenic levels detected are within the range of concentrations typically found in the Denver area as reported by the United States Geological Society (http://pubs.usgs.gov/of/2014/1082/pdf/ofr2014-1082/pdf).

Conclusion:
Soil concentrations of PAHs were found to exceed RSL, but are within EPA's acceptable risk range. Arsenic were found to exceed residential RSL but is within the range of concentrations typically found in the Denver area. Based on the analytical results from the Phase II ESA, a garden is an appropriate use for the site.

For complete determination from EPA toxicologist please see Appendix E.

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6.0 SIGNATURE OF PHASE II ASSESSOR AND SEAL

This Phase II ESA was completed by the following START personnel; qualifications are provided at the end of the report:

- Mr. Eric Sandusky, Associate Geoscientist;
- Mrs. Molly Patterson, Associate Scientist.

Mr. Eric Sandusky has undertaken the role of Phase II Assessor for this site. The following is the certification statement as defined by 40 CFR Part 312.10 and have undertaken the inquiry as defined in 40 CFR part 312.21 (b). The following is the certification statement as defined in ASTM Practice E 1903-11 section 9.2.1:

> *We have performed a Phase II ESA at the Stevens Elementary School Community Garden at 13165 W Ohio Ave., Wheatridge, Jefferson County, Colorado in conformance with the scope and limitations of ASTM Practice E 1903-11 and for the following objectives:*
>
> - *To investigate and assess the presence of pH, TAL Metals, VOCs, SVOCs, pesticides and herbicides in the soil at the Site by collecting samples for laboratory analysis;*
> - *Develop sufficient information to reasonably render a professional opinion that, with respect to the potential concerns noted above, hazardous substances either are or are not present at the property, including the concentrations of the substances if present; and*
> - *To gather sufficient data to assist the TBA recipient in making informed decisions with regard to the future use of the property by the Denver Housing Authority and DUG.*

Eric Sandusky
Certifying Environmental Professional (Print)

Associate Geoscientist
Title

Signature

05/15/2017
Date

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7.0 SPECIFICATIONS FOR ASTM E 1903-11 REPORT USE AND RELIANCE

7.1 SPECIAL TERMS AND CONDITIONS

This document has been prepared by WESTON START as tasked by the EPA solely for the use and benefit of the EPA, Stevens Elementary School, and DUG. Any use of this document or information herein by persons or entities other than the EPA, Stevens Elementary School, and DUG without the express written consent of START, will be at the sole risk and liability of said person or entity. START will not be liable to the EPA, Stevens Elementary School, and DUG, or such persons or entities, for any damages resulting therefrom. It is understood that this document may not include all information pertaining to the described site. The Objectives developed by the EPA, Stevens Elementary School, and DUG (users) and START (Phase II Assessor) were to obtain sound, scientifically valid data concerning actual property conditions at the Site with respect to the presence or the likely presence of substances including, but not limited to, those within the scope of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA).

7.2 LIMITATIONS AND EXCEPTIONS OF ASSESSMENT

ASTM E1903-11 (Section 4.2.1) acknowledges that "No Phase II ESA can eliminate all uncertainty. Furthermore, any sample, either surface or subsurface, taken for chemical testing may or may not be representative of a larger population. Professional judgment and interpretation are inherent in the process, and even when exercised in accordance with objective scientific principles, uncertainty is inevitable. Additional assessment beyond that which was reasonably undertaken may reduce the uncertainty". ASTM E1903-11 (Section 4.2.1.2) acknowledges that "The effectiveness of a Phase II ESA may be compromised by limitations or defects in the information used to define the objectives and scope of the investigation, including inability to obtain information concerning historic site uses or prior site assessment activities despite the efforts of the user and Phase II Assessor to obtain such information in accordance with 5.1.3". Furthermore, the ASTM E1903-11 (Section 4.2.2) states "Phase II ESAs do not generally require an exhaustive assessment of environmental conditions on a property. There is a point at which the cost of information obtained and the time required to obtain it outweigh the benefit of the information and, in the context of private transactions and contractual responsibilities, may become a material detriment to the orderly conduct of business. If the presence of target analytes is confirmed on a property, the extent of further assessment is a function of the degree of confidence required and the degree of uncertainty acceptable in relation to the objectives of the assessment".

7.3 DISCLAIMERS

START has performed this Phase II ESA in general conformance with the scope and limitations of ASTM E 1903-11 standard and TDD 0003/1702-07. The Phase II ESA findings and conclusions presented herein are professional opinions based solely on data collected during the assessment and/or interpretation of information and past data provided for review. The information and data

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collected from the Site by START is based on the conditions existing on the date(s) of START's assessment activities at the property. START does not warrant or guarantee information obtained from third parties used for this assessment are correct, complete, and/or current.

Though START did collect samples and/or perform testing during this assessment, it is possible that past contamination remains undiscovered or that property conditions will change in the future. START does not warrant or guarantee the property suitable for any particular purpose or certify the property as "clean."

ASTM E1903-11 Section 1.5) states "This practice is not intended to supersede applicable requirements imposed by regulatory authorities. This practice does not attempt to define a legal standard of care either for the performance of professional services with respect to matters within its scope, or for the performance of any individual *Phase II Environmental Site Assessment"*.

Information, limitations, and disclaimers provided in this general section apply to all of the sections included in this report.

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8.0 REFERENCES

ASTM, International, 2011. E1903-11, *Standard Practice for Environmental Site Assessments: Phase II Environmental Site Assessment Process.* West Conshohocken, Pennsylvania.

Citation	Reference Type	Assessment Factor				
		Soundness	Applicability and Utility	Clarity and Completeness	Uncertainty and Variability	Evaluation and Review
ASTM, 2011	Guidance	Acceptable	Acceptable	Acceptable	Acceptable	Acceptable

Colorado Department of Public Health and Environment (CDPHE), 2014. *Arsenic Concentrations in Soil.* Available at https://www.colorado.gov/pacific/sites/default/files/HM_arsenic-in-soil-risk-mgt.pdf.

Citation	Reference Type	Assessment Factor				
		Soundness	Applicability and Utility	Clarity and Completeness	Uncertainty and Variability	Evaluation and Review
CDPHE, 2014	Guidance	Acceptable	Acceptable	Acceptable	Acceptable	Acceptable

Denver Urban Gardens, no date. Targeted Brownfields Assessment (TBA) Application.

Citation	Reference Type	Assessment Factor				
		Soundness	Applicability and Utility	Clarity and Completeness	Uncertainty and Variability	Evaluation and Review
DUG, 2017	Letter	Acceptable	Acceptable	Acceptable	Acceptable	Acceptable

Environmental Protection Agency (EPA). 2016. Technical Direction Document (TDD) 0003/1702-07.

Citation	Reference Type	Assessment Factor				
		Soundness	Applicability and Utility	Clarity and Completeness	Uncertainty and Variability	Evaluation and Review
EPA, 2017	Guidance	Acceptable	Acceptable	Acceptable	Acceptable	Acceptable

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Environmental Protection Agency (EPA). 2011. *Brownfields and Urban Agriculture: Interim Guidelines for Safe Gardening Practices*. Available at http://www.epa.gov/brownfields/urbanag/pdf/bf_urban_ag.pdf

Citation	Reference Type	Assessment Factor				
		Soundness	Applicability and Utility	Clarity and Completeness	Uncertainty and Variability	Evaluation and Review
EPA, 2011	Guidance	Acceptable	Acceptable	Acceptable	Acceptable	Acceptable

Weston Solutions, Inc. (WESTON) Superfund Technical Assessment and Response Team (START), 2017. *Sampling and Analysis Plan for Denver Urban Garden at Jefferson County School District Targeted Brownfields Assessment, Jefferson County, Colorado.* April, 2017.

Citation	Reference Type	Assessment Factor				
		Soundness	Applicability and Utility	Clarity and Completeness	Uncertainty and Variability	Evaluation and Review
WESTON START, 2017	Document	Acceptable	Acceptable	Acceptable	Acceptable	Acceptable

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9.0 QUALIFICATIONS

START utilized qualified, professional staff, trained in performing the scope of work required for this Phase II ESA. This team included a project manager and technical specialist(s). Their roles are described in more detail as follows:

Associate Geoscientist - Mr. Eric Sandusky is an environmental professional with 8+ years of experience as a geologist conducting and managing projects including site assessments, and remedial design activities at RCRA/CERCLA sites. He is experienced in conducting condition assessments, research and writing technical documents including Phase I/II ESAs.

Scientist – Ms. Molly Patterson is an environmental professional with a B.S. in Biology with 4+ years of experience in the field of environmental sciences including Phase I/II ESAs, site investigations, assessments and remediation.

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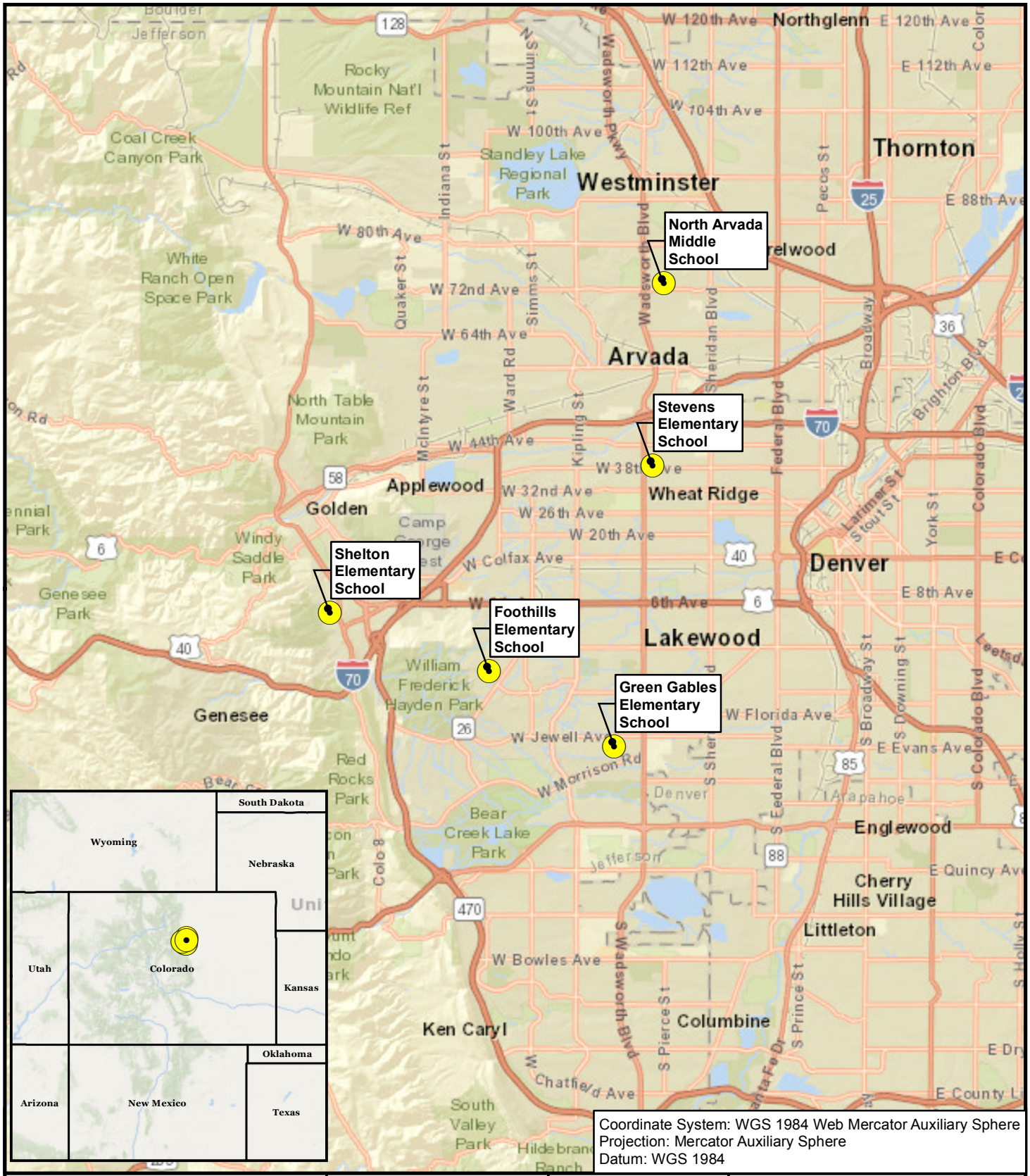
FIGURES



Coordinate System: WGS 1984 Web Mercator Auxiliary Sphere
Projection: Mercator Auxiliary Sphere
Datum: WGS 1984

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Legend

School Locations

0 1.5 3 6 Miles

N

Prepared for:
U.S. EPA Region 8

Contract No.:
EP-S8-13-01

TDD:
1702-07

TO:
0003

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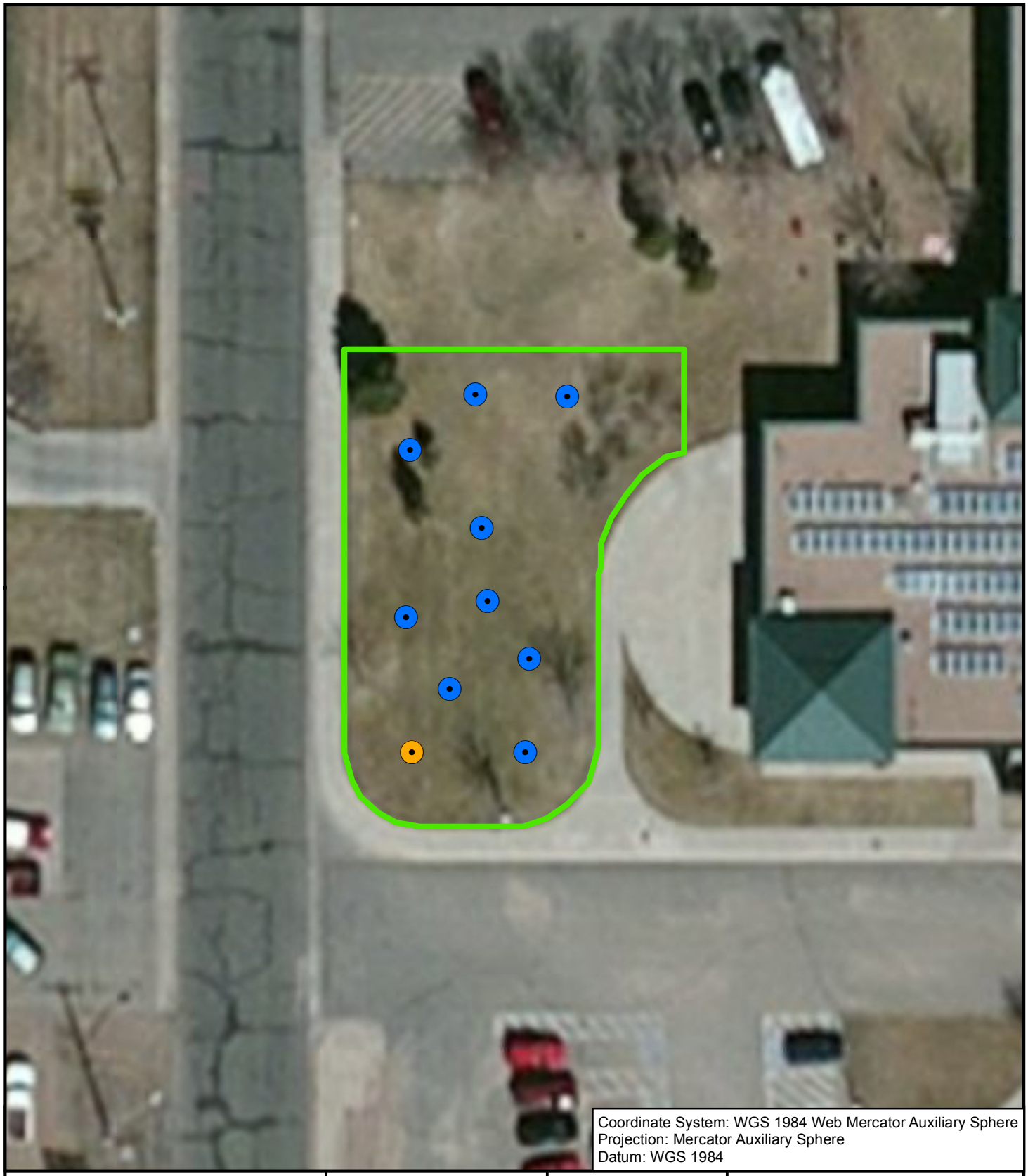
Prepared By:
Weston Solutions, Inc.
START IV

Suite 100
1435 Garrison Street
Lakewood, CO 80215

FIGURE 1
SITE LOCATION MAP
DENVER URBAN GARDENS
JEFF CO PUBLIC SCHOOLS

Date: 3/21/2017

Path: T:\0003-1702-07 DUG JPS Sites 2017\3- Execution\2 - Maps-Photos-Figures\Maps\Reporting\Figure 2_1702-07_Stevens.mxd



Coordinate System: WGS 1984 Web Mercator Auxiliary Sphere
Projection: Mercator Auxiliary Sphere
Datum: WGS 1984

Legend

- VOC Sample Location
- Sample Locations
- Garden Boundary

0 15 30 60 Feet

N

Prepared for:
U.S. EPA Region 8

Contract No.:
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TDD:
1702-07

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FIGURE 2
SAMPLE LOCATIONS MAP
STEVENS
ELEMENTARY SCHOOL
DENVER URBAN GARDENS
JEFF CO PUBLIC SCHOOLS

Date: 6/16/2017

TABLES

TABLE 1

Soils Analytical Data - Metals

Analyte	Units	Sample ID	ST-SO-01-00-01		ST-SO-01-01-09		ST-SO-01-09-18		ST-SO-DUP2	
		Sample Date	4/6/2017		4/6/2017		4/6/2017		4/6/2017	
		EPA RSL THQ 1.0 Residential Soil May 2016	Result	Flag	Result	Flag	Result	Flag	Result	Flag
METALS										
Aluminum	mg/Kg	77000	**11000**		**9900**		**12000**		**11000**	
Antimony	mg/Kg	31	ND		**0.81**	J	ND		**0.78**	J
Calcium	mg/Kg		**8900**		**7500**		**9700**		**8400**	
Iron	mg/Kg	55000	**12000**		**12000**		**15000**		**16000**	
Magnesium	mg/Kg		**2700**		**2400**		**3300**		**3400**	
Potassium	mg/Kg		**2100**		**2100**		**2400**		**2500**	
Silver	mg/Kg	390	ND		ND		ND		ND	
Sodium	mg/Kg		**130**	J	**140**	J	**180**	J	**190**	J
Arsenic	mg/Kg	0.68*	**3.4**		**1.9**		**3.1**		**3**	
Barium	mg/Kg	15000	**130**		**2.4**		**140**		**140**	
Beryllium	mg/Kg	160	**0.6**		**880**		**0.62**		**0.62**	
Cadmium	mg/Kg	71	**0.31**		**0.32**		**0.27**		**0.29**	
Chromium	mg/Kg		**12**		**9.4**		**12**		**14**	
Cobalt	mg/Kg	23	**5**		**3.6**		**5.2**		**5**	
Copper	mg/Kg	3100	**21**		**17**		**18**		**19**	
Lead	mg/Kg	400	**20**		**18**		**20**		**24**	
Manganese	mg/Kg	1800	**270**		**210**		**310**		**260**	
Nickel	mg/Kg	1500	**8.4**		**6.3**		**8.9**		**9**	
Selenium	mg/Kg	390	**0.22**	J	**1.8**	J	**0.2**	J	**0.22**	J
Thallium	mg/Kg	0.78	**0.16**		**0.12**		**0.17**		**0.18**	
Zinc	mg/Kg	23000	**64**		**53**		**56**		**65**	
Mercury	mg/Kg	11	**0.013**	J	**0.019**	J	**0.026**		0.014	J
WET CHEMISTRY										
pH			**8.3**	H	**8.3**	H	**8.3**	H	**8.4**	H

Notes: **BOLD** = Laboratory Detection

* = Average Colorado arsenic levels are between 6 and 19 mg/kg

= Exceeds EPA RSLs for Residential Soil

J = The value is an estimate

H = Exceeded hold times

TABLE 2

Soils Analytical Data - SVOCs

Analyte	Units	Sample ID	ST-SO-01-00-01		ST-SO-01-01-09		ST-SO-01-09-18		ST-SO-DUP2	
		Sample Date	4/6/2017		4/6/2017		4/6/2017		4/6/2017	
		EPA RSL THQ 1.0 Residential Soil May 2016	Result	Flag	Result	Flag	Result	Flag	Result	Flag
SVOCs										
1,1'-Biphenyl	mg/Kg	47	ND	H	ND	H	ND	H	ND	H
1,2,4,5-Tetrachlorobenzene	mg/Kg	23	ND	H	ND	H	ND	H	ND	H
1,2,4-Trichlorobenzene	mg/Kg	24	ND	H	ND	H	ND	H	ND	H
1,2-Dichlorobenzene	mg/Kg	600	ND	H	ND	H	ND	H	ND	H
1,3-Dichlorobenzene	mg/Kg		ND	H	ND	H	ND	H	ND	H
1,4-Dichlorobenzene	mg/Kg	2.6	ND	H	ND	H	ND	H	ND	H
1,4-Dioxane	mg/Kg	5.3	ND	H	ND	H	ND	H	ND	H
2,2'-oxybis[1-chloropropane]	mg/Kg		ND	H	ND	H	ND	H	ND	H
2,3,4,6-Tetrachlorophenol	mg/Kg	1900	ND	H	ND	H	ND	H	ND	H
2,4,5-Trichlorophenol	mg/Kg	6300	ND	H	ND	H	ND	H	ND	H
2,4,6-Trichlorophenol	mg/Kg	49	ND	H	ND	H	ND	H	ND	H
2,4-Dichlorophenol	mg/Kg	190	ND	H	ND	H	ND	H	ND	H
2,4-Dimethylphenol	mg/Kg	1300	ND	H	ND	H	ND	H	ND	H
2,4-Dinitrophenol	mg/Kg	130	ND	H	ND	H	ND	H	ND	H
2,4-Dinitrotoluene	mg/Kg	1.7	ND	H	ND	H	ND	H	ND	H
2,6-Dinitrotoluene	mg/Kg	0.36	ND	H	ND	H	ND	H	ND	H
2-Chloronaphthalene	mg/Kg	4800	ND	H	ND	H	ND	H	ND	H
2-Chlorophenol	mg/Kg	390	ND	H	ND	H	ND	H	ND	H
2-Methylnaphthalene	mg/Kg	240	**0.0013**	J	**0.001**	J	**0.0011**	J	**0.00089**	J
2-Methylphenol	mg/Kg		ND	H	ND	H	ND	H	ND	H
2-Nitroaniline	mg/Kg	630	ND	H	ND	H	ND	H	ND	H
2-Nitrophenol	mg/Kg		ND	H	ND	H	ND	H	ND	H
3 & 4 Methylphenol	mg/Kg		ND	H	ND	H	ND	H	ND	H
3,3'-Dichlorobenzidine	mg/Kg	1.2	ND	H	ND	H	ND	H	ND	H
3-Nitroaniline	mg/Kg		ND	H	ND	H	ND	H	ND	H
4,6-Dinitro-2-methylphenol	mg/Kg	5.1	ND	H	ND	H	ND	H	ND	H
4-Bromophenyl phenyl ether	mg/Kg		ND	H	ND	H	ND	H	ND	H
4-Chloro-3-methylphenol	mg/Kg	6300	ND	H	ND	H	ND	H	ND	H
4-Chloroaniline	mg/Kg		ND	H	ND	H	ND	H	ND	H

TABLE 2

Soils Analytical Data - SVOCs

4-Chlorophenyl phenyl ether	mg/Kg		ND	H	ND	H	ND	H	ND	H
4-Nitroaniline	mg/Kg	27	ND	H	ND	H	ND	H	ND	H
4-Nitrophenol	mg/Kg		ND	H	ND	H	ND	H	ND	H
Acenaphthene	mg/Kg	3600	**0.0014**	J	**0.0017**	J	**0.001**	J	**0.0012**	J
Acenaphthylene	mg/Kg		**0.0018**	J	**0.0019**	J	**0.00092**	J	**0.0012**	J
Acetophenone	mg/Kg	7800	ND	H	ND	H	ND	H	ND	H
Anthracene	mg/Kg	18000	**0.0041**	J	**0.0046**	J	**0.0024**	J	**0.0031**	J
Atrazine	mg/Kg	2.4	ND	H	ND	H	ND	H	ND	H
Benzaldehyde	mg/Kg	170	ND	H	ND	H	ND	H	ND	H
Benzo[a]anthracene	mg/Kg	0.16	**0.026**		**0.027**		**0.013**		**0.016**	
Benzo[a]pyrene	mg/Kg	0.016	**0.048**		**0.047**		**0.024**		**0.031**	
Benzo[b]fluoranthene	mg/Kg	0.16	**0.057**		**0.059**		**0.03**		**0.04**	
Benzo[g,h,i]perylene	mg/Kg		**0.027**		**0.027**		**0.014**		**0.018**	
Benzo[k]fluoranthene	mg/Kg	1.6	**0.019**		**0.022**		**0.01**		**0.013**	
Bis(2-chloroethoxy)methane	mg/Kg	190	ND	H	ND	H	ND	H	ND	H
Bis(2-chloroethyl)ether	mg/Kg	0.23	ND	H	ND	H	ND	H	ND	H
Bis(2-ethylhexyl) phthalate	mg/Kg	39	**0.11**	J	ND		**0.044**	J	ND	
Butyl benzyl phthalate	mg/Kg	290	ND	H	ND	H	ND	H	ND	H
Caprolactam	mg/Kg	31000	ND	H	ND	H	ND	H	ND	H
Carbazole	mg/Kg		ND	H	ND	H	ND	H	ND	H
Chrysene	mg/Kg	16	**0.033**		**0.034**		**0.017**		**0.026**	
Dibenz(a,h)anthracene	mg/Kg	0.016	**0.0078**		**0.0078**		**0.0047**	J	**0.0042**	J
Dibenzofuran	mg/Kg	73	ND	H	ND	H	ND	H	ND	H
Diethyl phthalate	mg/Kg	51000	ND	H	ND	H	ND	H	ND	H
Dimethyl phthalate	mg/Kg		ND	H	ND	H	ND	H	ND	H
Di-n-butyl phthalate	mg/Kg	6300	ND	H	ND	H	ND	H	ND	H
Di-n-octyl phthalate	mg/Kg	630	ND	H	ND	H	ND	H	ND	H
Fluoranthene	mg/Kg	2400	**0.047**		**0.052**		**0.027**		**0.045**	
Fluorene	mg/Kg	2400	**0.0012**	J	**0.0015**	J	**0.0011**	J	**0.001**	J
Hexachlorobenzene	mg/Kg	0.21	ND	H	ND	H	ND	H	ND	H
Hexachlorobutadiene	mg/Kg	1.2	ND	H	ND	H	ND	H	ND	H
Hexachlorocyclopentadiene	mg/Kg	1.8	ND	H	ND	H	ND	H	ND	H
Hexachloroethane	mg/Kg	1.8	ND	H	ND	H	ND	H	ND	H
Indeno[1,2,3-cd]pyrene	mg/Kg	0.16	**0.027**		**0.026**		**0.014**		**0.017**	

TABLE 2

Soils Analytical Data - SVOCs

Isophorone	mg/Kg	570	ND	H	ND	H	ND	H	ND	H
Naphthalene	mg/Kg	3.8	**0.002**	J	**0.0016**	J	**0.0012**	J	**0.0014**	J
Nitrobenzene	mg/Kg	5.1	ND	H	ND	H	ND	H	ND	H
N-Nitrosodi-n-propylamine	mg/Kg	0.078	ND	H	ND	H	ND	H	ND	H
n-Nitrosodiphenylamine(as dip	mg/Kg	110	ND	H	ND	H	ND	H	ND	H
Pentachlorophenol	mg/Kg	1	ND	H	ND	H	ND	H	ND	H
Phenanthrene	mg/Kg		**0.016**		**0.018**		**0.01**		**0.016**	
Phenol	mg/Kg	19000	ND	H	ND	H	ND	H	ND	H
Pyrene	mg/Kg	1800	**0.041**		**0.046**		**0.023**		**0.041**	

Notes: **BOLD** = Laboratory Detection

J = The value is an estimate

= Exceeds EPA RSLs for Residential Soil

H = Exceeded hold times

TABLE 3
Soils Analytical Data - VOCs

		Sample ID	ST-SO-01-15-16		ST-SO-DUP3	
		Sample Date	4/6/2017		4/6/2017	
Analyte	Units	EPA RSL THQ 1.0 Residential Soil May 2016	Result	Flag	Result	Flag
VOCs						
1,1,1,2-Tetrachloroethane	mg/Kg	2	ND		ND	
1,1,1-Trichloroethane	mg/Kg	8100	ND		ND	
1,1,2,2-Tetrachloroethane	mg/Kg	0.6	ND		ND	
1,1,2-Trichloroethane	mg/Kg	1.1	ND		ND	
1,1-Dichloroethane	mg/Kg	3.6	ND		ND	
1,1-Dichloroethene	mg/Kg	230	ND		ND	
1,1-Dichloropropene	mg/Kg		ND		ND	
1,2,3-Trichlorobenzene	mg/Kg	63	ND		ND	
1,2,3-Trichloropropane	mg/Kg	0.0051	ND		ND	
1,2,4-Trichlorobenzene	mg/Kg	24	ND		ND	
1,2,4-Trimethylbenzene	mg/Kg	58	ND		ND	
1,2-Dibromo-3-Chloropropane	mg/Kg	0.0053	ND		ND	
1,2-Dibromoethane	mg/Kg	0.036	ND		ND	
1,2-Dichlorobenzene	mg/Kg	1800	ND		ND	
1,2-Dichloroethane	mg/Kg	0.46	ND		ND	
1,2-Dichloroethene, Total	mg/Kg		ND		ND	
1,2-Dichloropropane	mg/Kg	1	ND		ND	
1,3,5-Trimethylbenzene	mg/Kg	780	ND		ND	
1,3-Dichlorobenzene	mg/Kg		ND		ND	
1,3-Dichloropropane	mg/Kg	1600	ND		ND	
1,4-Dichlorobenzene	mg/Kg	2.6	ND		ND	
2,2-Dichloropropane	mg/Kg		ND		ND	
2-Butanone (MEK)	mg/Kg	27000	ND		ND	
2-Chlorotoluene	mg/Kg	1600	ND		ND	
2-Hexanone	mg/Kg		ND		ND	
4-Chlorotoluene	mg/Kg	1600	ND		ND	
4-Isopropyltoluene	mg/Kg		ND		ND	
4-Methyl-2-pentanone (MIBK)	mg/Kg	33000	ND		ND	
Acetone	mg/Kg	61000	ND		ND	
Benzene	mg/Kg	1.2	ND		ND	
Bromobenzene	mg/Kg	290	ND		ND	
Bromoform	mg/Kg	19	ND		ND	
Bromomethane	mg/Kg	6.8	ND		ND	
Carbon tetrachloride	mg/Kg	0.65	ND		ND	
Chlorobenzene	mg/Kg	280	ND		ND	
Chlorobromomethane	mg/Kg	0.29	ND		ND	
Chlorodibromomethane	mg/Kg	8.3	ND		ND	
Chloroethane	mg/Kg	14000	ND		ND	
Chloroform	mg/Kg	0.32	ND		ND	
Chloromethane	mg/Kg	110	ND		ND	
cis-1,2-Dichloroethene	mg/Kg	160	ND		ND	

TABLE 3

Soils Analytical Data - VOCs

cis-1,3-Dichloropropene	mg/Kg		ND		ND	
Dibromomethane	mg/Kg	24	ND		ND	
Dichlorobromomethane	mg/Kg		ND		ND	
Dichlorodifluoromethane	mg/Kg	87	ND		ND	
Ethylbenzene	mg/Kg	5.8	ND		ND	
Hexachlorobutadiene	mg/Kg	1.2	ND		ND	
Isopropylbenzene	mg/Kg	1900	ND		ND	
Methyl tert-butyl ether	mg/Kg	47	ND		ND	
Methylene Chloride	mg/Kg	57	**0.0028**	J	**0.0035**	J
m-Xylene & p-Xylene	mg/Kg		ND		ND	
Naphthalene	mg/Kg	3.8	ND		ND	
n-Butylbenzene	mg/Kg	3900	ND		ND	
N-Propylbenzene	mg/Kg	3800	ND		ND	
o-Xylene	mg/Kg		ND		ND	
sec-Butylbenzene	mg/Kg	7800	ND		ND	
Styrene	mg/Kg	6000	ND		ND	
tert-Butylbenzene	mg/Kg	7800	ND		ND	
Tetrachloroethene	mg/Kg	24	ND		ND	
Toluene	mg/Kg	4900	ND		ND	
trans-1,2-Dichloroethene	mg/Kg	1600	ND		ND	
trans-1,3-Dichloropropene	mg/Kg		ND		ND	
Trichloroethene	mg/Kg	0.94	ND		ND	
Trichlorofluoromethane	mg/Kg	23000	ND		ND	
Vinyl chloride	mg/Kg	0.059	ND		ND	
Xylenes, Total	mg/Kg	580	ND		ND	

Notes: **BOLD** = Laboratory Detection

J = The value is an estimate

TABLE 4

Soils Analytical Data - Pesticides and Herbicides

		Sample ID	ST-SO-01-01-09		ST-SO-DUP1	
		Sample Date	4/6/2017		4/6/2017	
Analyte	Units	EPA RSL THQ 1.0 Residential Soil May 2016	Result	Flag	Result	Flag
PESTICIDES						
2,4,5-T	mg/Kg	630	ND		ND	
2,4-D	mg/Kg	700	ND		ND	
2,4-DB	mg/Kg	510	ND		**0.011**	J
Dalapon	mg/Kg	1900	ND		ND	
Dicamba	mg/Kg	1900	ND		ND	
Dichlorprop	mg/Kg		ND		ND	
MCPA	mg/Kg	32	ND		ND	
MCPP	mg/Kg	63	ND		ND	
Silvex (2,4,5-TP)	mg/Kg	510	ND		ND	
HERBICIDES						
4,4'-DDD	mg/Kg	2.3	ND		ND	
4,4'-DDE	mg/Kg	2.2	**0.00051**	J	**0.00053**	J
4,4'-DDT	mg/Kg	1.9	ND		ND	
Aldrin	mg/Kg	0.039	ND		ND	
alpha-BHC	mg/Kg	0.086	ND		ND	
alpha-Chlordane	mg/Kg		ND		ND	
beta-BHC	mg/Kg	0.3	ND		ND	
delta-BHC	mg/Kg		ND		ND	
Dieldrin	mg/Kg	0.034	ND		ND	
Endosulfan I	mg/Kg		ND		ND	
Endosulfan II	mg/Kg		ND		ND	
Endosulfan sulfate	mg/Kg		ND		ND	
Endrin	mg/Kg	19	ND		ND	
Endrin aldehyde	mg/Kg		ND		ND	
Endrin ketone	mg/Kg		ND		ND	
gamma-BHC (Lindane)	mg/Kg	0.57	ND		ND	
gamma-Chlordane	mg/Kg		ND		ND	
Heptachlor	mg/Kg	0.13	ND		ND	
Heptachlor epoxide	mg/Kg	0.07	ND		ND	
Methoxychlor	mg/Kg	320	ND		ND	
Toxaphene	mg/Kg	0.49	ND		ND	

Notes: **BOLD** = Laboratory Detection

J = The value is an estimate

APPENDIX A

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CONTENTS

PAGE	REFERENCE	DATE

0800- START (M. Patterson + E. Sandusky) arrive @ North Arvada Middle school and check in at the front office. H+S: slips, trips + falls, possible Geoprobe usage, sunscreen, back strain. WX: 65°F sunny. — ES

0820- START collects sample NA-SO-02-00-01

0825- START collects sample NA-SO-01-00-01 and NA-SO-DUP1 — ES

0900- START collects Equipment blank - NA-EB-20170406

0936- START collects Sample NA-SO-02-01-09. Sample is also an MS/MSD. — ES

0943- START collects sample NA-SO-01-01-09 — ES

0948- START collects sample NA-SO-02-09-18 — ES

0950- START collects sample NA-SO-01-09-18 — ES

All above samples are collected for TAL Metals, SVOC's, Pesticides + Herbicides and pH. — ES

0950- START collects sample NA-SO-02-16-18 and NA-SO-DUP2 for VOCs — ES

0955- START collects sample NA-SO-01-16-18. Sample is also an MS/MSD for VOCs — ES

1040- START checks out from the front office and departs the site. — ES

1130- Arrive at Stevens Elementary School + check in at the Main office. — ES

1140- START collects sample ST-EB-20170406 — ES

1200- START collects Sample ST-SO-01-00-01 — ES

1210- START collects Sample ST-SO-01-01-09 + ST-SO-DUP1

for Pest/herb analysis — ES

1235- START collects sample ST-SO-01-09-18 + ST-SO-DUP2 for Metals + SVOC's. — ES

1245- START collects sample ST-SO-01-15-16, ST-SO-DUP3, + MS/MSD for VOC analysis. — ES

* Back note: Samples ST-SO-01-00-01, ~~ST-SO-01-01-09~~ ES, + ST-SO-01-09-18 were collected for SVOC's + Metals. Sample ST-SO-01-01-09 was collected for SVOCs, Metals, and Pest/herb. — ES

1330- START departs the site to pack coolers + drop off at Test America Laboratory. — ES

End of day

Eric

Rite in the Rain

 4/7 DUG JPS E.S.

0755 - START (M. Patterson, J. Rudi + E. Sandusky) arrive onsite + check in @ front office at Green Gables elementary school. H+S: slips trips + falls, sunscreen, drinking water. wx: 75°F Sunny.

0825 - START collects sample GG-EB-20170407

0830 - START collects sample GG-SO-01-00-01 for SVOC + Metals

0835 - START collects sample GG-SO-02-00-01 for SVOC + Metals

0904 - START collects sample GG-SO-01-01-09 for SVOCs, Metals + Pest/herb, Duplicate GG-SO-DUP1 was collected with the sample

0925 - START collects sample GG-SO-02-01-09 for SVOCs Metals + Pest/herb. MS/MSD collected.

0940 - START collects sample GG-SO-01-09-18 for Metals + SVOCs

0945 - START collects sample GG-SO-01-16-18 for VOC. GG-SO-DUP2 collected.

0955 - START collects sample GG-SO-02-09-18 for Metals + SVOCs analysis

1000 - START collects sample GG-SO-02-16-18 + MS/MSD for VOC analysis

1015 - START check out from office + departs the site.

1055 - START arrives at Sheldon Elementary School + checks into the Main office.

1100 - START collects sample SH-EB-20170407

1105 - START collects sample SH-SO-01-00-01

1135 - START collects sample SH-SO-01-01-09, SH-SO-DUP + MS/MSD.

1155 - START collects sample SH-SO-01-09-18

1200 - START collects sample SH-SO-01-16-18, SH-SO-DUP2, + MS/MSD for VOC analysis

1210 - START checks out @ Main office and departs the site for sample prep + drop off.

Rite in the Rain

M.Patterson DUGI JPS 4/12/2017

0900 - START (M.Patterson + J.Rudi) arrive at
— Foothills Elementary School and check in
— at main office — MP
0925 - START collected Equipment Blank — MP
— FH-EB-20170412 — MP
0935 - START collected FH-SO-01-00-01 for
— metals + SVOC — MP
0950 - START collected FH-SO-01-01-09 — MP
— (ms/msD) and FH-SO-DUP1 for — MP
— Pest/Herb, SVOC, + metals — MP
1008 - START collected FH-SO-01-09-18
— for metals + SVOC — MP
1030 - START collected FH-SO-01-16-18 (ms/msD)
— for VOC* — MP
— *: START also collected FH-SO-DUP2 for — MP
— VOC analysis — MP
1102 - START departed site + checked out of the
— main office of the school. START will drop
— of samples at lab. — MP
— **Samples zone at the site included — MP
— the perennial area on the southeast — MP
— side of the garden. Per the request of — MP
— DUGI, just in case edible bushes (raspberry) — MP
— are planted there. This is a deviation of the SAP

end of Day
Malpatterson

Rite in the Rain

APPENDIX B

DATA VERIFICATION AND VALIDATION REPORT FOR DENVER URBAN GARDENS JEFFCO PUBLIC SCHOOLS SITES DENVER, COLORADO

Date: 4/27/2017
Laboratory: TestAmerica Denver
Laboratory Job #: 280-95601-1
Data Validation Performed By: Michael Cherny, Superfund Technical Assessment and Response Team (START)
Weston Work Order Number: 20408.012.003.0457.00
TDD Number: 0003/1702-07

This data validation report has been prepared by START under the START IV Region 8 contract. This report documents the data validation for 17 soil samples and two water samples collected for the Denver Urban Gardens (DUG) Jeffco Public Schools (JPS) Sites (i.e., North Arvada Middle School and Stevens Elementary School) that were analyzed for the following parameters and U.S. Environmental Protection Agency (EPA) methods:

- Metals by EPA Method 6010 [Inductively Coupled Plasma – Atomic Emission Spectroscopy (ICP-AES)]
- Metals by EPA Method 6020 [Inductively Coupled Plasma – Mass Spectroscopy (ICP-MS)]
- Mercury in Liquid Waste by EPA Method 7470A [Cold Vapor Atomic Absorption]
- Mercury in Solid or Semisolid Waste by Method 7471A [Cold Vapor Atomic Absorption]
- Organochlorine Pesticides by EPA Method 8081 [Gas Chromatography (GC)]
- Chlorinated Herbicides by EPA Method 8151A [By GC Using Methylation or Pentafluorobenzylation Derivatization]
- Volatile Organic Compounds (VOCs) by EPA Method 8260B [Gas Chromatography/Mass Spectrometry (GC/MS)]
- Semivolatile Organic Compounds (SVOCs) by EPA Method 8270C [Gas Chromatography/Mass Spectroscopy (GC/MS)]
- Semivolatile Organic Compounds (SVOCs) by EPA Method 8270C SIM [Gas Chromatography/Mass Spectroscopy Selective Ion Monitoring (GC/MS SIM)]
- pH by EPA Method 9045C [Electrometric Measurement]

A Level 2 data package was received from TestAmerica Denver. A Stage 1 Data Verification and Validation Report has been prepared by START for the EPA. The data validation was conducted in general accordance with the EPA Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use in conjunction with the Contract Laboratory Program National Functional Guidelines (NFG) for Data Review.

The following table summarizes the samples for which this data validation is being conducted.

Sample ID	Lab ID	Matrix	Date Collected	Analytical Methods
NA-EB-20170406	280-95601-1	Water	4/6/2017	6010B, 6020, 7470A, 8081A, 8151A, 8260B, 8270C
NA-SO-01-00-01	280-95601-2	Soil	4/6/2017	6010C, 6020, 7471A, 8081B, 8151A, 8270C SIM, 9045C
NA-SO-01-01-09	280-95601-3	Soil	4/6/2017	6010C, 6020, 7471A, 8081B, 8151A, 8270C SIM, 9045C
NA-SO-01-09-18	280-95601-4	Soil	4/6/2017	6010C, 6020, 7471A, 8081B, 8151A, 8270C SIM, 9045C
NA-SO-01-16-18	280-95601-5	Soil	4/6/2017	8260B
NA-SO-02-00-01	280-95601-6	Soil	4/6/2017	6010C, 6020, 7471A, 8081B, 8151A, 8270C SIM, 9045C
NA-SO-02-01-09	280-95601-7	Soil	4/6/2017	6010C, 6020, 7471A, 8081B, 8151A, 8270C SIM, 9045C
NA-SO-02-09-18	280-95601-8	Soil	4/6/2017	6010C, 6020, 7471A, 8081B, 8151A, 8270C SIM, 9045C
NA-SO-02-16-18	280-95601-9	Soil	4/6/2017	8260B
NA-SO-DUP1	280-95601-10	Soil	4/6/2017	6010C, 6020, 7471A, 8081B, 8151A, 8270C SIM, 9045C
NA-SO-DUP2	280-95601-11	Soil	4/6/2017	8260B
ST-EB-20170406	280-95601-12	Water	4/6/2017	6010B, 6020, 7470A, 8081A, 8151A, 8260B, 8270C
ST-SO-01-00-01	280-95601-13	Soil	4/6/2017	6010C, 6020, 7471A, 8270C SIM
ST-SO-01-01-09	280-95601-14	Soil	4/6/2017	6010C, 6020, 7471A, 8081B, 8151A, 8270C SIM
ST-SO-01-09-18	280-95601-15	Soil	4/6/2017	6010C, 6020, 7471A, 8270C SIM
ST-SO-01-15-16	280-95601-16	Soil	4/6/2017	8260B
ST-SO-DUP1	280-95601-17	Soil	4/6/2017	8081B, 8151A
ST-SO-DUP2	280-95601-18	Soil	4/6/2017	6010C, 6020, 7471A, 8270C SIM
ST-SO-DUP3	280-95601-19	Soil	4/6/2017	8260B

Data Verification Check

A data verification and completeness check was performed for 100% of the data in accordance with the Stage 1 verification check outlined in EPA "Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use" dated January 13, 2009. The following table details this check.

Recommended Minimum Baseline Checks Used in the Stages of Laboratory Analytical Data Verification and Validation

Check* (Y/N)	Stage 1 Validation Requirements	Comments/Details
Y	Laboratory receiving and conducting analyses is identified	TestAmerica Denver
Y	Proper documentation for all samples submitted by the project/requestor	Samples reported match the chain of custody (COC)
Y	Requested analytical methods were performed	As per the COC
Y	Analysis dates are present	4/11/2017 to 4/20/2017
N	Requested target analyte results are reported	Wrong analyte list was logged for SVOCs but is reported in 280-95601-2
Y	Original laboratory data qualifiers and data qualifier definitions for each reported result are included	Definitions/Glossary (page 3)
Y	Requested target analyte result units are reported	°C, mg/kg, ng/kg, SU, µg/kg, and µg/L
Y	Requested reporting limits for all samples are present	Laboratory defined limits
Y	Results at and below the requested/required reporting limits are clearly identified (including sample detection limits if required)	Flagged U (nondetect) or J (estimated)
Y	Sampling dates (and times if needed) are documented	Samples logged as per the container labels
Y	Date and time of laboratory receipt of samples is documented	4/6/2017 at 16:20
Y	Sample conditions upon receipt at the laboratory (including preservation, pH and temperature) are documented	The samples arrived in good condition and properly preserved. The temperatures of the two coolers at receipt time were 14.1° C and 16.0° C
Y	Sample results are evaluated by comparing sample conditions and characteristics to the requirements and guidelines present in national or regional data validation documents, analytical method(s) or contract	Laboratory quality control sample limits are based on the method requirements, NFG limits, or are laboratory-defined limits

Notes:

*A "Y" in the check column indicates completeness of the validation step.

*An "N" in the check column indicates a problem with the validation step as described in the details column.

DATA VERIFICATION AND VALIDATION REPORT FOR DENVER URBAN GARDENS JEFFCO PUBLIC SCHOOLS SITES DENVER, COLORADO

Date: 5/22/2017
Laboratory: TestAmerica Denver
Laboratory Job #: 280-95601-2
Data Validation Performed By: Michael Cherny, Superfund Technical Assessment and Response Team (START)
Weston Work Order Number: 20408.012.003.0457.00
TDD Number: 0003/1702-07

This data validation report has been prepared by START under the START IV Region 8 contract. This report documents the data validation for 11 soil samples and two water samples collected for the Denver Urban Gardens (DUG) Jeffco Public Schools (JPS) Sites (i.e., North Arvada Middle School and Stevens Elementary School) that that were reanalyzed for the following parameters and U.S. Environmental Protection Agency (EPA) methods:

- Semivolatile Organic Compounds (SVOCs) by EPA Method 8270C [Gas Chromatography/Mass Spectroscopy (GC/MS)]
- pH by EPA Method 9045C [Electrometric Measurement]

A Level 2 data package was received from TestAmerica Denver. A Stage 1 Data Verification and Validation Report has been prepared by START for the EPA. The data validation was conducted in general accordance with the EPA Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use in conjunction with the Contract Laboratory Program National Functional Guidelines (NFG) for Data Review.

The following table summarizes the samples for which this data validation is being conducted.

Sample ID	Lab ID	Matrix	Date Collected	Analytical Methods
NA-EB-20170406	280-95601-1	Water	4/6/2017	8270C
NA-SO-01-00-01	280-95601-2	Soil	4/6/2017	8270C
NA-SO-01-01-09	280-95601-3	Soil	4/6/2017	8270C
NA-SO-01-09-18	280-95601-4	Soil	4/6/2017	8270C
NA-SO-02-00-01	280-95601-6	Soil	4/6/2017	8270C
NA-SO-02-01-09	280-95601-7	Soil	4/6/2017	8270C
NA-SO-02-09-18	280-95601-8	Soil	4/6/2017	8270C
NA-SO-DUP1	280-95601-10	Soil	4/6/2017	8270C
ST-EB-20170406	280-95601-12	Water	4/6/2017	8270C
ST-SO-01-00-01	280-95601-13	Soil	4/6/2017	8270C, 9045C
ST-SO-01-01-09	280-95601-14	Soil	4/6/2017	8270C, 9045C
ST-SO-01-09-18	280-95601-15	Soil	4/6/2017	8270C, 9045C
ST-SO-DUP2	280-95601-18	Soil	4/6/2017	8270C, 9045C

Data Verification Check

A data verification and completeness check was performed for 100% of the data in accordance with the Stage 1 verification check outlined in EPA "Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use" dated January 13, 2009. The following table details this check.

Recommended Minimum Baseline Checks Used in the Stages of Laboratory Analytical Data Verification and Validation

Check* (Y/N)	Stage 1 Validation Requirements	Comments/Details
Y	Laboratory receiving and conducting analyses is identified	TestAmerica Denver
Y	Proper documentation for all samples submitted by the project/requestor	Samples reported match the chain of custody (COC)
Y	Requested analytical methods were performed	As per the COC for SVOCs. Additional pH analyses were requested on samples ST-SO-01-00-01, ST-SO-01-01-09, ST-SO-01-09-18, and ST-SO-DUP2
Y	Analysis dates are present	5/3/2017 to 5/9/2017
Y	Requested target analyte results are reported	As per the COC; however, the wrong analyte list was initially logged and reported for SVOCs
Y	Original laboratory data qualifiers and data qualifier definitions for each reported result are included	Definitions/Glossary (page 3)
Y	Requested target analyte result units are reported	°C, SU, µg/kg, and µg/L
Y	Requested reporting limits for all samples are present	Laboratory defined limits
Y	Results at and below the requested/required reporting limits are clearly identified (including sample detection limits if required)	Flagged U (nondetect) or J (estimated)
Y	Sampling dates (and times if needed) are documented	Samples logged as per the container labels
Y	Date and time of laboratory receipt of samples is documented	4/6/2017 at 16:20
Y	Sample conditions upon receipt at the laboratory (including preservation, pH and temperature) are documented	The samples arrived in good condition and properly preserved. The temperatures of the two coolers at receipt time were 14.1° C and 16.0° C
Y	Sample results are evaluated by comparing sample conditions and characteristics to the requirements and guidelines present in national or regional data validation documents, analytical method(s) or contract	Laboratory quality control sample limits are based on the method requirements, NFG limits, or are laboratory-defined limits

Notes:

*A "Y" in the check column indicates completeness of the validation step.

APPENDIX C

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Denver
4955 Yarrow Street
Arvada, CO 80002
Tel: (303)736-0100

TestAmerica Job ID: 280-95601-1
Client Project/Site: Denver Urban Garden, JPS

For:
Weston Solutions, Inc.
1435 Garrison Street
Suite 100
Lakewood, Colorado 80215

Attn: Mr. Eric Sandusky

Authorized for release by:
4/26/2017 1:53:56 PM
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LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page 1
Table of Contents 2
Definitions 3
Case Narrative 5
Detection Summary 9
Method Summary 19
Sample Summary 20
Client Sample Results 21
Surrogate Summary 60
QC Sample Results 64
QC Association 99
Chronicle 108
Certification Summary 116
Chain of Custody 117
Receipt Checklists 121

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery is outside acceptance limits.
E	Result exceeded calibration range.
F2	MS/MSD RPD exceeds control limits

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
D	Sample results are obtained from a dilution; the surrogate or matrix spike recoveries reported are calculated from diluted samples.
X	Surrogate is outside control limits

GC Semi VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery is outside acceptance limits.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
F2	MS/MSD RPD exceeds control limits
F1	MS and/or MSD Recovery is outside acceptance limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

General Chemistry

Qualifier	Qualifier Description
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 280-95601-1

Laboratory: TestAmerica Denver

Narrative

CASE NARRATIVE

Client: Weston Solutions, Inc.

Project: Denver Urban Garden, JPS

Report Number: 280-95601-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 4/6/2017 4:20 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 14.1º C and 16.0º C.

The samples were received at the laboratory outside the required temperature criteria. The samples were received on ice at temperatures of 16.0 C and 14.1 C. The samples are considered acceptable since they were collected and submitted to the laboratory on the same day and there is evidence that the chilling process has begun. The client was notified on 4/10/17.

The samples were received at the laboratory without a sample collection time documented on the chain of custody. The samples were logged per the sample collection time on the container labels as follows (listed in order of Sample Number): 0900, 0825, 0943, 0950, 0955, 0936, 0936, 0948, 0950, 0000, 0000, 1140, 1200, 1210, 1235, 1245, 0000, 0000, 0000. The client was notified on 4/10/17.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples NA-SO-01-16-18 (280-95601-5), NA-SO-02-16-18 (280-95601-9), NA-SO-DUP2 (280-95601-11), ST-SO-01-15-16 (280-95601-16) and ST-SO-DUP3 (280-95601-19) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 04/19/2017 and 04/20/2017.

Acetone and Methylene Chloride, common laboratory contaminants, were detected in method blank MB 280-370102/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Bromoform and Chlorodibromomethane recovered outside the QC control limits at 68% and 76%, respectively, in the LCS associated with batch 280-370102. Although Bromoform and Chlorodibromomethane recovered outside current historical control limits, the recovery was within the allowed Marginal Exceedance control limits: Bromoform (67-145%), Chlorodibromomethane (67-145%. This marginal exceedance has been determined to be sporadic, not systematic. All other quality control acceptance criteria have been met.

Several analytes failed the recovery criteria low for the MS of sample ST-SO-01-15-16 (280-95601-16) in batch 280-370092 and 2-Butanone (MEK) and Chloroethane failed the recovery criteria high. Several analytes failed the recovery criteria low for the MSD while 2-Butanone (MEK) failed the recovery criteria high. In addition, MS/MSD concentrations were present above the instrument calibration range for Bromomethane and 2-Butanone (MEK).

2-Butanone (MEK) exceeded the RPD limit for the MSD of sample NA-SO-01-16-18 (280-95601-5) in batch 280-370092. In addition, MS/MSD concentrations were present above the instrument calibration range for Bromomethane.

Job ID: 280-95601-1 (Continued)

Laboratory: TestAmerica Denver (Continued)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

VOLATILE ORGANIC COMPOUNDS (GC-MS)
Samples NA-EB-20170406 (280-95601-1) and ST-EB-20170406 (280-95601-12) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 04/11/2017.

Methylene Chloride, a common laboratory contaminant, was detected in method blank MB 280-368802/6 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)
Samples NA-EB-20170406 (280-95601-1) and ST-EB-20170406 (280-95601-12) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 04/09/2017 and analyzed on 04/11/2017.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

SEMIVOLATILE ORGANIC COMPOUNDS - SELECTED ION MODE (SIM)
Samples NA-SO-01-00-01 (280-95601-2), NA-SO-01-01-09 (280-95601-3), NA-SO-01-09-18 (280-95601-4), NA-SO-02-00-01 (280-95601-6), NA-SO-02-01-09 (280-95601-7), NA-SO-02-09-18 (280-95601-8), NA-SO-DUP1 (280-95601-10), ST-SO-01-00-01 (280-95601-13), ST-SO-01-01-09 (280-95601-14), ST-SO-01-09-18 (280-95601-15) and ST-SO-DUP2 (280-95601-18) were analyzed for Semivolatile organic compounds - Selected Ion Mode (SIM) in accordance with EPA SW-846 Method 8270C SIM. The samples were prepared on 04/11/2017 and analyzed on 04/12/2017 and 04/13/2017.

Samples NA-SO-01-00-01 (280-95601-2)[2X], NA-SO-02-00-01 (280-95601-6)[5X] and NA-SO-DUP1 (280-95601-10)[2X] required dilution prior to analysis. The surrogate recovery has been “D” flagged in the diluted analysis of sample NA-SO-02-00-01 (280-95601-6), as the recovery obtained is calculated from a diluted sample and is not considered reliable. The reporting limits have been adjusted accordingly.

Several analytes failed the recovery criteria high for the MS of sample ST-SO-01-01-09 (280-95601-14) in batch 280-369062. Benzo[a]pyrene and Benzo[k]fluoranthene failed the recovery criteria high for the MSD. In addition, Benzo[a]pyrene, Benzo[b]fluoranthene, Fluoranthene and Pyrene exceeded the MS/MSD RPD limit.

Several analytes failed the recovery criteria high for the MS/MSD of sample NA-SO-02-01-09 (280-95601-7) in batch 280-369062. In addition, Nitrobenzene-d5 failed the surrogate recovery criteria high in the MS sample.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

CHLORINATED PESTICIDES
Samples NA-EB-20170406 (280-95601-1) and ST-EB-20170406 (280-95601-12) were analyzed for chlorinated pesticides in accordance with SW 846 8081A. The samples were prepared on 04/12/2017 and analyzed on 04/15/2017.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

CHLORINATED PESTICIDES
Samples NA-SO-01-00-01 (280-95601-2), NA-SO-01-01-09 (280-95601-3), NA-SO-01-09-18 (280-95601-4), NA-SO-02-00-01 (280-95601-6), NA-SO-02-01-09 (280-95601-7), NA-SO-02-09-18 (280-95601-8), NA-SO-DUP1 (280-95601-10), ST-SO-01-01-09 (280-95601-14) and ST-SO-DUP1 (280-95601-17) were analyzed for chlorinated pesticides in accordance with EPA SW-846 Method 8081B. The samples were prepared on 04/11/2017 and analyzed on 04/16/2017.

The following samples required a Florisil clean-up, via EPA Method 3620B, to reduce matrix interferences: NA-SO-01-00-01 (280-95601-2), NA-SO-01-01-09 (280-95601-3), NA-SO-01-09-18 (280-95601-4), NA-SO-02-00-01 (280-95601-6), NA-SO-02-01-09 (280-95601-7), NA-SO-02-01-09 (280-95601-7[MS]), NA-SO-02-01-09 (280-95601-7[MSD]), NA-SO-02-09-18 (280-95601-8), NA-SO-DUP1 (280-95601-10), ST-SO-01-01-09 (280-95601-14), ST-SO-01-01-09 (280-95601-14[MS]), ST-SO-01-01-09 (280-95601-14[MSD]) and ST-SO-DUP1 (280-95601-17).

Job ID: 280-95601-1 (Continued)

Laboratory: TestAmerica Denver (Continued)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

CHLORINATED HERBICIDES
Samples NA-SO-01-00-01 (280-95601-2), NA-SO-01-01-09 (280-95601-3), NA-SO-01-09-18 (280-95601-4), NA-SO-02-00-01 (280-95601-6), NA-SO-02-01-09 (280-95601-7), NA-SO-02-09-18 (280-95601-8), NA-SO-DUP1 (280-95601-10), ST-SO-01-01-09 (280-95601-14) and ST-SO-DUP1 (280-95601-17) were analyzed for chlorinated herbicides in accordance with EPA SW-846 Method 8151A. The samples were prepared on 04/17/2017 and analyzed on 04/19/2017.

Surrogate 2,4-Dichlorophenylacetic acid recovered outside the method control limits (31-105%), biased low, for the following samples: NA-SO-01-00-01 (280-95601-2) (25%) and NA-SO-DUP1 (280-95601-10) (12%). Since the holding time for the affected samples has expired, data is reported per client approval.

The following sample has chromatographic interferences that could adversely impact the identification and quantitation of target analytes: ST-SO-DUP1 (280-95601-17). The sample contained numerous non-target peaks that could interfere with the identification and quantitation of target compounds. These interferences could cause false positive and/or false negative results.
Additionally, the irregular shape of the peak identified as 2,4-DB indicates the presence of matrix interference that could potentially cause a high bias in the reported result.

The RPD between the primary and confirmation columns exceeded 40% for 2,4-DB in sample ST-SO-DUP1 (280-95601-17). The lower of the two values have been reported, as matrix interference is evident. The results in the analytical report have been flagged with “p”.

MCPA failed the recovery criteria low for the MS/MSD of sample ST-SO-01-01-09 (280-95601-14) in batch 280-369971.

MCPA failed the recovery criteria low for the MSD of sample NA-SO-02-01-09 (280-95601-7) in batch 280-369971.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

CHLORINATED HERBICIDES
Samples NA-EB-20170406 (280-95601-1) and ST-EB-20170406 (280-95601-12) were analyzed for chlorinated herbicides in accordance with EPA SW-846 Method 8151A. The samples were prepared on 04/10/2017 and analyzed on 04/14/2017.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TOTAL METALS
Samples NA-EB-20170406 (280-95601-1) and ST-EB-20170406 (280-95601-12) were analyzed for total metals in accordance with EPA SW-846 Method 6010B. The samples were prepared on 04/11/2017 and analyzed on 04/11/2017 and 04/12/2017.

Sodium and Potassium were detected in method blank MB 280-368678/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TOTAL METALS (ICP)
Samples NA-SO-01-00-01 (280-95601-2), NA-SO-01-01-09 (280-95601-3), NA-SO-01-09-18 (280-95601-4), NA-SO-02-00-01 (280-95601-6), NA-SO-02-01-09 (280-95601-7), NA-SO-02-09-18 (280-95601-8), NA-SO-DUP1 (280-95601-10), ST-SO-01-00-01 (280-95601-13), ST-SO-01-01-09 (280-95601-14), ST-SO-01-09-18 (280-95601-15) and ST-SO-DUP2 (280-95601-18) were analyzed for Total Metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 04/10/2017 and analyzed on 04/14/2017 and 04/15/2017.

Calcium, Magnesium and Sodium were detected in method blank MB 280-368673/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Job ID: 280-95601-1 (Continued)

Laboratory: TestAmerica Denver (Continued)

Iron and Aluminum failed the recovery criteria high for the MS of sample ST-SO-01-01-09 (280-95601-14) in batch 280-369550. Calcium failed the recovery criteria low for the MSD while Iron and Aluminum failed the recovery criteria high.

Aluminum and Iron failed the recovery criteria high for the MS/MSD of sample NA-SO-02-01-09 (280-95601-7) in batch 280-369550.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TOTAL METALS

Samples NA-SO-01-00-01 (280-95601-2), NA-SO-01-01-09 (280-95601-3), NA-SO-01-09-18 (280-95601-4), NA-SO-02-00-01 (280-95601-6), NA-SO-02-01-09 (280-95601-7), NA-SO-02-09-18 (280-95601-8), NA-SO-DUP1 (280-95601-10), ST-SO-01-00-01 (280-95601-13), ST-SO-01-01-09 (280-95601-14), ST-SO-01-09-18 (280-95601-15) and ST-SO-DUP2 (280-95601-18) were analyzed for total metals in accordance with EPA SW-846 Method 6020. The samples were prepared on 04/11/2017 and analyzed on 04/13/2017.

Nickel and Barium were detected in method blank MB 280-368674/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

Several analytes failed the recovery criteria high for the MS of sample ST-SO-01-01-09 (280-95601-14) in batch 280-369193. For the MSD, Thallium failed the recovery criteria low while Barium, Chromium, Manganese and Zinc failed the recovery criteria high. Also, Barium exceeded the MS/MSD RPD limit.

Barium, Manganese and Zinc failed the recovery criteria high for the MS of sample NA-SO-02-01-09 (280-95601-7) in batch 280-369193. For the MSD, Lead failed the recovery criteria low while Barium, Chromium and Manganese failed the recovery criteria high. Also, Beryllium, Cadmium, Selenium and Thallium exceeded the MS/MSD RPD limit.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TOTAL METALS

Samples NA-EB-20170406 (280-95601-1) and ST-EB-20170406 (280-95601-12) were analyzed for total metals in accordance with EPA SW-846 Method 6020. The samples were prepared on 04/11/2017 and analyzed on 04/12/2017.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TOTAL MERCURY

Samples NA-EB-20170406 (280-95601-1) and ST-EB-20170406 (280-95601-12) were analyzed for total mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared and analyzed on 04/13/2017.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TOTAL MERCURY (CVAA)

Samples NA-SO-01-00-01 (280-95601-2), NA-SO-01-01-09 (280-95601-3), NA-SO-01-09-18 (280-95601-4), NA-SO-02-00-01 (280-95601-6), NA-SO-02-01-09 (280-95601-7), NA-SO-02-09-18 (280-95601-8), NA-SO-DUP1 (280-95601-10), ST-SO-01-00-01 (280-95601-13), ST-SO-01-01-09 (280-95601-14), ST-SO-01-09-18 (280-95601-15) and ST-SO-DUP2 (280-95601-18) were analyzed for total mercury (CVAA) in accordance with EPA SW-846 Method 7471A. The samples were prepared and analyzed on 04/14/2017.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PH

Samples NA-SO-01-00-01 (280-95601-2), NA-SO-01-01-09 (280-95601-3), NA-SO-01-09-18 (280-95601-4), NA-SO-02-00-01 (280-95601-6), NA-SO-02-01-09 (280-95601-7), NA-SO-02-09-18 (280-95601-8) and NA-SO-DUP1 (280-95601-10) were analyzed for pH in accordance with EPA SW-846 Method 9045C. The samples were leached on 04/14/2017 and analyzed on 04/19/2017.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Weston Solutions, Inc.
Project/Site: Denver Urban Garden, JPS

TestAmerica Job ID: 280-95601-1

Client Sample ID: NA-EB-20170406 — Lab Sample ID: 280-95601-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	26	J	100	22	ug/L	1		6010B	Total/NA
Manganese	0.71	J	1.0	0.31	ug/L	1		6020	Total/NA

Client Sample ID: NA-SO-01-00-01 — Lab Sample ID: 280-95601-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]pyrene	110000		4600	680	ng/Kg	1		8270C SIM	Total/NA
Benzo[a]anthracene	45000		4600	830	ng/Kg	1		8270C SIM	Total/NA
Benzo[k]fluoranthene	58000		4600	920	ng/Kg	1		8270C SIM	Total/NA
Benzo[g,h,i]perylene	79000		4600	1000	ng/Kg	1		8270C SIM	Total/NA
Phenanthrene	22000		4600	1000	ng/Kg	1		8270C SIM	Total/NA
Anthracene	4100	J	4600	660	ng/Kg	1		8270C SIM	Total/NA
Dibenz(a,h)anthracene	20000		4600	1200	ng/Kg	1		8270C SIM	Total/NA
Chrysene	86000		4600	920	ng/Kg	1		8270C SIM	Total/NA
Acenaphthene	440	J	4600	150	ng/Kg	1		8270C SIM	Total/NA
Acenaphthylene	710	J	4600	160	ng/Kg	1		8270C SIM	Total/NA
Fluoranthene	100000		4600	920	ng/Kg	1		8270C SIM	Total/NA
Fluorene	620	J	4600	430	ng/Kg	1		8270C SIM	Total/NA
Pyrene	85000		4600	1000	ng/Kg	1		8270C SIM	Total/NA
Indeno[1,2,3-cd]pyrene	74000		4600	1000	ng/Kg	1		8270C SIM	Total/NA
Naphthalene	560	J	4600	300	ng/Kg	1		8270C SIM	Total/NA
Benzo[b]fluoranthene - DL	160000		9200	2200	ng/Kg	2		8270C SIM	Total/NA
Aluminum	8400		8.3	1.3	mg/Kg	1		6010C	Total/NA
Antimony	0.76	J	1.3	0.61	mg/Kg	1		6010C	Total/NA
Calcium	5300	B	42	12	mg/Kg	1		6010C	Total/NA
Iron	17000		13	3.2	mg/Kg	1		6010C	Total/NA
Magnesium	5600	B	17	3.1	mg/Kg	1		6010C	Total/NA
Potassium	4700		250	34	mg/Kg	1		6010C	Total/NA
Sodium	150	J B	420	49	mg/Kg	1		6010C	Total/NA
Arsenic	850		430	37	ug/Kg	1		6020	Total/NA
Barium	130000	B	140	51	ug/Kg	1		6020	Total/NA
Beryllium	310		72	16	ug/Kg	1		6020	Total/NA
Cadmium	110		72	6.8	ug/Kg	1		6020	Total/NA
Chromium	26000		140	55	ug/Kg	1		6020	Total/NA
Cobalt	6400		72	4.8	ug/Kg	1		6020	Total/NA
Copper	18000		180	51	ug/Kg	1		6020	Total/NA
Lead	4100		110	13	ug/Kg	1		6020	Total/NA
Manganese	370000		180	24	ug/Kg	1		6020	Total/NA
Nickel	14000	B	110	18	ug/Kg	1		6020	Total/NA
Selenium	160	J	360	96	ug/Kg	1		6020	Total/NA
Thallium	200		72	2.5	ug/Kg	1		6020	Total/NA
Zinc	60000		720	230	ug/Kg	1		6020	Total/NA
pH adj. to 25 deg C	8.6	HF	0.1	0.1	SU	1		9045C	Soluble
Temperature	21.6	HF	1.0	1.0	Degrees C	1		9045C	Soluble

Client Sample ID: NA-SO-01-01-09 — Lab Sample ID: 280-95601-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[b]fluoranthene	120000		4600	1100	ng/Kg	1		8270C SIM	Total/NA
Benzo[a]pyrene	99000		4600	680	ng/Kg	1		8270C SIM	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: NA-SO-01-01-09 (Continued) — Lab Sample ID: 280-95601-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	46000		4600	830	ng/Kg	1		8270C SIM	Total/NA
Benzo[k]fluoranthene	42000		4600	920	ng/Kg	1		8270C SIM	Total/NA
Benzo[g,h,i]perylene	65000		4600	1000	ng/Kg	1		8270C SIM	Total/NA
Phenanthrene	15000		4600	1000	ng/Kg	1		8270C SIM	Total/NA
Anthracene	4500	J	4600	660	ng/Kg	1		8270C SIM	Total/NA
Dibenz(a,h)anthracene	17000		4600	1200	ng/Kg	1		8270C SIM	Total/NA
Chrysene	63000		4600	920	ng/Kg	1		8270C SIM	Total/NA
Acenaphthylene	1000	J	4600	160	ng/Kg	1		8270C SIM	Total/NA
Fluoranthene	72000		4600	920	ng/Kg	1		8270C SIM	Total/NA
Fluorene	660	J	4600	430	ng/Kg	1		8270C SIM	Total/NA
Pyrene	64000		4600	1000	ng/Kg	1		8270C SIM	Total/NA
Indeno[1,2,3-cd]pyrene	62000		4600	1000	ng/Kg	1		8270C SIM	Total/NA
2-Methylnaphthalene	750	J	4600	290	ng/Kg	1		8270C SIM	Total/NA
Naphthalene	1200	J	4600	300	ng/Kg	1		8270C SIM	Total/NA
Aluminum	15000		8.0	1.2	mg/Kg	1		6010C	Total/NA
Antimony	1.0	J	1.2	0.58	mg/Kg	1		6010C	Total/NA
Calcium	11000	B	40	11	mg/Kg	1		6010C	Total/NA
Iron	17000		12	3.0	mg/Kg	1		6010C	Total/NA
Magnesium	5000	B	16	2.9	mg/Kg	1		6010C	Total/NA
Potassium	2500		240	33	mg/Kg	1		6010C	Total/NA
Sodium	230	J B	400	47	mg/Kg	1		6010C	Total/NA
Arsenic	1900		450	38	ug/Kg	1		6020	Total/NA
Barium	220000	B	150	53	ug/Kg	1		6020	Total/NA
Beryllium	570		75	17	ug/Kg	1		6020	Total/NA
Cadmium	140		75	7.1	ug/Kg	1		6020	Total/NA
Chromium	10000		150	57	ug/Kg	1		6020	Total/NA
Cobalt	5600		75	5.0	ug/Kg	1		6020	Total/NA
Copper	18000		190	54	ug/Kg	1		6020	Total/NA
Lead	10000		110	14	ug/Kg	1		6020	Total/NA
Manganese	400000		190	25	ug/Kg	1		6020	Total/NA
Nickel	7000	B	110	19	ug/Kg	1		6020	Total/NA
Selenium	170	J	380	100	ug/Kg	1		6020	Total/NA
Thallium	130		75	2.6	ug/Kg	1		6020	Total/NA
Zinc	54000		750	240	ug/Kg	1		6020	Total/NA
Mercury	16	J	18	5.8	ug/Kg	1		7471A	Total/NA
pH adj. to 25 deg C	8.2	HF	0.1	0.1	SU	1		9045C	Soluble
Temperature	21.4	HF	1.0	1.0	Degrees C	1		9045C	Soluble

Client Sample ID: NA-SO-01-09-18 — Lab Sample ID: 280-95601-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[b]fluoranthene	11000		5000	1200	ng/Kg	1		8270C SIM	Total/NA
Benzo[a]pyrene	7800		5000	730	ng/Kg	1		8270C SIM	Total/NA
Benzo[a]anthracene	3400	J	5000	890	ng/Kg	1		8270C SIM	Total/NA
Benzo[k]fluoranthene	3800	J	5000	990	ng/Kg	1		8270C SIM	Total/NA
Benzo[g,h,i]perylene	5800		5000	1100	ng/Kg	1		8270C SIM	Total/NA
Phenanthrene	1300	J	5000	1100	ng/Kg	1		8270C SIM	Total/NA
Dibenz(a,h)anthracene	1500	J	5000	1300	ng/Kg	1		8270C SIM	Total/NA
Chrysene	5600		5000	990	ng/Kg	1		8270C SIM	Total/NA
Fluoranthene	5700		5000	990	ng/Kg	1		8270C SIM	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Weston Solutions, Inc.
Project/Site: Denver Urban Garden, JPS

TestAmerica Job ID: 280-95601-1

Client Sample ID: NA-SO-01-09-18 (Continued) — Lab Sample ID: 280-95601-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Pyrene	5100		5000	1100	ng/Kg	1		8270C SIM	Total/NA
Indeno[1,2,3-cd]pyrene	5300		5000	1100	ng/Kg	1		8270C SIM	Total/NA
Naphthalene	500	J	5000	320	ng/Kg	1		8270C SIM	Total/NA
Aluminum	16000		8.3	1.3	mg/Kg	1		6010C	Total/NA
Antimony	0.92	J	1.3	0.61	mg/Kg	1		6010C	Total/NA
Calcium	11000	B	42	12	mg/Kg	1		6010C	Total/NA
Iron	15000		13	3.2	mg/Kg	1		6010C	Total/NA
Magnesium	3700	B	17	3.1	mg/Kg	1		6010C	Total/NA
Potassium	1200		250	34	mg/Kg	1		6010C	Total/NA
Sodium	260	J B	420	49	mg/Kg	1		6010C	Total/NA
Arsenic	1900		480	41	ug/Kg	1		6020	Total/NA
Barium	280000	B	160	57	ug/Kg	1		6020	Total/NA
Beryllium	680		81	18	ug/Kg	1		6020	Total/NA
Cadmium	110		81	7.6	ug/Kg	1		6020	Total/NA
Chromium	9800		160	61	ug/Kg	1		6020	Total/NA
Cobalt	5100		81	5.4	ug/Kg	1		6020	Total/NA
Copper	8200		200	57	ug/Kg	1		6020	Total/NA
Lead	9700		120	15	ug/Kg	1		6020	Total/NA
Manganese	330000		200	27	ug/Kg	1		6020	Total/NA
Nickel	6700	B	120	20	ug/Kg	1		6020	Total/NA
Selenium	170	J	400	110	ug/Kg	1		6020	Total/NA
Thallium	160		81	2.8	ug/Kg	1		6020	Total/NA
Zinc	45000		810	260	ug/Kg	1		6020	Total/NA
Mercury	22		19	6.1	ug/Kg	1		7471A	Total/NA
pH adj. to 25 deg C	8.3	HF	0.1	0.1	SU	1		9045C	Soluble
Temperature	21.6	HF	1.0	1.0	Degrees C	1		9045C	Soluble

Client Sample ID: NA-SO-01-16-18 — Lab Sample ID: 280-95601-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	3.6	J B	5.5	1.8	ug/Kg	1		8260B	Total/NA

Client Sample ID: NA-SO-02-00-01 — Lab Sample ID: 280-95601-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	140000		4700	850	ng/Kg	1		8270C SIM	Total/NA
Benzo[k]fluoranthene	140000		4700	950	ng/Kg	1		8270C SIM	Total/NA
Phenanthrene	59000		4700	1000	ng/Kg	1		8270C SIM	Total/NA
Anthracene	16000		4700	680	ng/Kg	1		8270C SIM	Total/NA
Dibenz(a,h)anthracene	48000		4700	1200	ng/Kg	1		8270C SIM	Total/NA
Acenaphthene	1700	J	4700	150	ng/Kg	1		8270C SIM	Total/NA
Acenaphthylene	2700	J	4700	160	ng/Kg	1		8270C SIM	Total/NA
Fluorene	2200	J	4700	440	ng/Kg	1		8270C SIM	Total/NA
2-Methylnaphthalene	1400	J	4700	290	ng/Kg	1		8270C SIM	Total/NA
Naphthalene	2600	J	4700	310	ng/Kg	1		8270C SIM	Total/NA
Benzo[b]fluoranthene - DL	340000		24000	5700	ng/Kg	5		8270C SIM	Total/NA
Benzo[a]pyrene - DL	260000		24000	3500	ng/Kg	5		8270C SIM	Total/NA
Benzo[g,h,i]perylene - DL	150000		24000	5200	ng/Kg	5		8270C SIM	Total/NA
Chrysene - DL	190000		24000	4700	ng/Kg	5		8270C SIM	Total/NA
Fluoranthene - DL	250000		24000	4700	ng/Kg	5		8270C SIM	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Weston Solutions, Inc.
Project/Site: Denver Urban Garden, JPS

TestAmerica Job ID: 280-95601-1

Client Sample ID: NA-SO-02-00-01 (Continued) — Lab Sample ID: 280-95601-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Pyrene - DL	210000		24000	5200	ng/Kg	5		8270C SIM	Total/NA
Indeno[1,2,3-cd]pyrene - DL	150000		24000	5200	ng/Kg	5		8270C SIM	Total/NA
Aluminum	11000		8.6	1.3	mg/Kg	1		6010C	Total/NA
Antimony	0.84	J	1.3	0.63	mg/Kg	1		6010C	Total/NA
Calcium	7400	B	43	12	mg/Kg	1		6010C	Total/NA
Iron	14000		13	3.3	mg/Kg	1		6010C	Total/NA
Magnesium	4200	B	17	3.2	mg/Kg	1		6010C	Total/NA
Potassium	3300		260	35	mg/Kg	1		6010C	Total/NA
Sodium	170	J B	430	51	mg/Kg	1		6010C	Total/NA
Arsenic	1900		580	49	ug/Kg	1		6020	Total/NA
Barium	130000	B	190	68	ug/Kg	1		6020	Total/NA
Beryllium	410		96	22	ug/Kg	1		6020	Total/NA
Cadmium	190		96	9.0	ug/Kg	1		6020	Total/NA
Chromium	10000		190	73	ug/Kg	1		6020	Total/NA
Cobalt	4400		96	6.4	ug/Kg	1		6020	Total/NA
Copper	13000		240	68	ug/Kg	1		6020	Total/NA
Lead	13000		140	18	ug/Kg	1		6020	Total/NA
Manganese	290000		240	32	ug/Kg	1		6020	Total/NA
Nickel	7400	B	140	24	ug/Kg	1		6020	Total/NA
Selenium	190	J	480	130	ug/Kg	1		6020	Total/NA
Thallium	130		96	3.4	ug/Kg	1		6020	Total/NA
Zinc	52000		960	300	ug/Kg	1		6020	Total/NA
Mercury	16	J	19	6.1	ug/Kg	1		7471A	Total/NA
pH adj. to 25 deg C	8.1	HF	0.1	0.1	SU	1		9045C	Soluble
Temperature	21.6	HF	1.0	1.0	Degrees C	1		9045C	Soluble

Client Sample ID: NA-SO-02-01-09 — Lab Sample ID: 280-95601-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[b]fluoranthene	54000	F1	4900	1200	ng/Kg	1		8270C SIM	Total/NA
Benzo[a]pyrene	38000	F1	4900	720	ng/Kg	1		8270C SIM	Total/NA
Benzo[a]anthracene	17000	F1	4900	880	ng/Kg	1		8270C SIM	Total/NA
Benzo[k]fluoranthene	16000	F1	4900	970	ng/Kg	1		8270C SIM	Total/NA
Benzo[g,h,i]perylene	25000		4900	1100	ng/Kg	1		8270C SIM	Total/NA
Phenanthrene	8500		4900	1100	ng/Kg	1		8270C SIM	Total/NA
Anthracene	2000	J	4900	700	ng/Kg	1		8270C SIM	Total/NA
Dibenz(a,h)anthracene	6500		4900	1300	ng/Kg	1		8270C SIM	Total/NA
Chrysene	28000		4900	970	ng/Kg	1		8270C SIM	Total/NA
Acenaphthylene	710	J	4900	170	ng/Kg	1		8270C SIM	Total/NA
Fluoranthene	36000	F1	4900	970	ng/Kg	1		8270C SIM	Total/NA
Fluorene	500	J	4900	460	ng/Kg	1		8270C SIM	Total/NA
Pyrene	32000	F1	4900	1100	ng/Kg	1		8270C SIM	Total/NA
Indeno[1,2,3-cd]pyrene	25000	F1	4900	1100	ng/Kg	1		8270C SIM	Total/NA
2-Methylnaphthalene	1100	J	4900	300	ng/Kg	1		8270C SIM	Total/NA
Naphthalene	1500	J	4900	320	ng/Kg	1		8270C SIM	Total/NA
Aluminum	12000		8.9	1.4	mg/Kg	1		6010C	Total/NA
Antimony	0.89	J	1.3	0.65	mg/Kg	1		6010C	Total/NA
Calcium	4300	B	45	13	mg/Kg	1		6010C	Total/NA
Iron	13000		13	3.4	mg/Kg	1		6010C	Total/NA
Magnesium	2900	B	18	3.3	mg/Kg	1		6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Weston Solutions, Inc.
Project/Site: Denver Urban Garden, JPS

TestAmerica Job ID: 280-95601-1

Client Sample ID: NA-SO-02-01-09 (Continued) — Lab Sample ID: 280-95601-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Potassium	2600		270	37	mg/Kg	1		6010C	Total/NA
Sodium	110	J	450	53	mg/Kg	1		6010C	Total/NA
Arsenic	4100		530	45	ug/Kg	1		6020	Total/NA
Barium	150000	B	180	63	ug/Kg	1		6020	Total/NA
Beryllium	620		89	20	ug/Kg	1		6020	Total/NA
Cadmium	360		89	8.4	ug/Kg	1		6020	Total/NA
Chromium	11000		180	68	ug/Kg	1		6020	Total/NA
Cobalt	5100		89	5.9	ug/Kg	1		6020	Total/NA
Copper	18000		220	63	ug/Kg	1		6020	Total/NA
Lead	26000		130	16	ug/Kg	1		6020	Total/NA
Manganese	320000		220	29	ug/Kg	1		6020	Total/NA
Nickel	8800	B	130	23	ug/Kg	1		6020	Total/NA
Selenium	230	J	450	120	ug/Kg	1		6020	Total/NA
Thallium	160		89	3.1	ug/Kg	1		6020	Total/NA
Zinc	63000		890	280	ug/Kg	1		6020	Total/NA
Mercury	30		17	5.5	ug/Kg	1		7471A	Total/NA
pH adj. to 25 deg C	7.9	HF	0.1	0.1	SU	1		9045C	Soluble
Temperature	21.7	HF	1.0	1.0	Degrees C	1		9045C	Soluble

Client Sample ID: NA-SO-02-09-18 — Lab Sample ID: 280-95601-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[b]fluoranthene	12000		4700	1100	ng/Kg	1		8270C SIM	Total/NA
Benzo[a]pyrene	7700		4700	700	ng/Kg	1		8270C SIM	Total/NA
Benzo[a]anthracene	3300	J	4700	850	ng/Kg	1		8270C SIM	Total/NA
Benzo[k]fluoranthene	4000	J	4700	950	ng/Kg	1		8270C SIM	Total/NA
Benzo[g,h,i]perylene	5700		4700	1000	ng/Kg	1		8270C SIM	Total/NA
Phenanthrene	2400	J	4700	1000	ng/Kg	1		8270C SIM	Total/NA
Dibenz(a,h)anthracene	1700	J	4700	1200	ng/Kg	1		8270C SIM	Total/NA
Chrysene	6600		4700	950	ng/Kg	1		8270C SIM	Total/NA
Fluoranthene	7700		4700	950	ng/Kg	1		8270C SIM	Total/NA
Pyrene	6400		4700	1000	ng/Kg	1		8270C SIM	Total/NA
Indeno[1,2,3-cd]pyrene	5600		4700	1000	ng/Kg	1		8270C SIM	Total/NA
2-Methylnaphthalene	660	J	4700	290	ng/Kg	1		8270C SIM	Total/NA
Naphthalene	1100	J	4700	310	ng/Kg	1		8270C SIM	Total/NA
Aluminum	14000		8.0	1.2	mg/Kg	1		6010C	Total/NA
Antimony	0.65	J	1.2	0.59	mg/Kg	1		6010C	Total/NA
Calcium	12000	B	40	11	mg/Kg	1		6010C	Total/NA
Iron	14000		12	3.1	mg/Kg	1		6010C	Total/NA
Magnesium	3300	B	16	3.0	mg/Kg	1		6010C	Total/NA
Potassium	1700		240	33	mg/Kg	1		6010C	Total/NA
Sodium	140	J B	400	47	mg/Kg	1		6010C	Total/NA
Arsenic	2200		570	48	ug/Kg	1		6020	Total/NA
Barium	270000	B	190	67	ug/Kg	1		6020	Total/NA
Beryllium	640		95	21	ug/Kg	1		6020	Total/NA
Cadmium	160		95	8.9	ug/Kg	1		6020	Total/NA
Chromium	10000		190	72	ug/Kg	1		6020	Total/NA
Cobalt	6400		95	6.3	ug/Kg	1		6020	Total/NA
Copper	12000		240	67	ug/Kg	1		6020	Total/NA
Lead	11000		140	17	ug/Kg	1		6020	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Weston Solutions, Inc.
Project/Site: Denver Urban Garden, JPS

TestAmerica Job ID: 280-95601-1

Client Sample ID: NA-SO-02-09-18 (Continued) — Lab Sample ID: 280-95601-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Manganese	700000		240	31	ug/Kg	1		6020	Total/NA
Nickel	7800	B	140	24	ug/Kg	1		6020	Total/NA
Selenium	180	J	470	130	ug/Kg	1		6020	Total/NA
Thallium	160		95	3.3	ug/Kg	1		6020	Total/NA
Zinc	56000		950	300	ug/Kg	1		6020	Total/NA
Mercury	35		18	5.8	ug/Kg	1		7471A	Total/NA
pH adj. to 25 deg C	8.1	HF	0.1	0.1	SU	1		9045C	Soluble
Temperature	21.6	HF	1.0	1.0	Degrees C	1		9045C	Soluble

Client Sample ID: NA-SO-02-16-18 — Lab Sample ID: 280-95601-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.2	J	4.7	0.44	ug/Kg	1		8260B	Total/NA
Methylene Chloride	2.8	J B	4.7	1.5	ug/Kg	1		8260B	Total/NA

Client Sample ID: NA-SO-DUP1 — Lab Sample ID: 280-95601-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]pyrene	120000		4900	720	ng/Kg	1		8270C SIM	Total/NA
Benzo[a]anthracene	54000		4900	870	ng/Kg	1		8270C SIM	Total/NA
Benzo[k]fluoranthene	61000		4900	970	ng/Kg	1		8270C SIM	Total/NA
Benzo[g,h,i]perylene	85000		4900	1100	ng/Kg	1		8270C SIM	Total/NA
Phenanthrene	24000		4900	1100	ng/Kg	1		8270C SIM	Total/NA
Anthracene	5600		4900	700	ng/Kg	1		8270C SIM	Total/NA
Dibenz(a,h)anthracene	22000		4900	1300	ng/Kg	1		8270C SIM	Total/NA
Chrysene	100000		4900	970	ng/Kg	1		8270C SIM	Total/NA
Acenaphthene	500	J	4900	160	ng/Kg	1		8270C SIM	Total/NA
Acenaphthylene	1100	J	4900	170	ng/Kg	1		8270C SIM	Total/NA
Fluoranthene	120000		4900	970	ng/Kg	1		8270C SIM	Total/NA
Fluorene	910	J	4900	460	ng/Kg	1		8270C SIM	Total/NA
Pyrene	100000		4900	1100	ng/Kg	1		8270C SIM	Total/NA
Indeno[1,2,3-cd]pyrene	83000		4900	1100	ng/Kg	1		8270C SIM	Total/NA
2-Methylnaphthalene	440	J	4900	300	ng/Kg	1		8270C SIM	Total/NA
Naphthalene	680	J	4900	320	ng/Kg	1		8270C SIM	Total/NA
Benzo[b]fluoranthene - DL	120000		9700	2300	ng/Kg	2		8270C SIM	Total/NA
Aluminum	8900		7.6	1.2	mg/Kg	1		6010C	Total/NA
Antimony	0.60	J	1.1	0.55	mg/Kg	1		6010C	Total/NA
Calcium	4300	B	38	11	mg/Kg	1		6010C	Total/NA
Iron	17000		11	2.9	mg/Kg	1		6010C	Total/NA
Magnesium	5400	B	15	2.8	mg/Kg	1		6010C	Total/NA
Potassium	5100		230	31	mg/Kg	1		6010C	Total/NA
Sodium	160	J B	380	45	mg/Kg	1		6010C	Total/NA
Arsenic	880		420	35	ug/Kg	1		6020	Total/NA
Barium	97000	B	140	49	ug/Kg	1		6020	Total/NA
Beryllium	280		70	16	ug/Kg	1		6020	Total/NA
Cadmium	60	J	70	6.5	ug/Kg	1		6020	Total/NA
Chromium	18000		140	53	ug/Kg	1		6020	Total/NA
Cobalt	5700		70	4.6	ug/Kg	1		6020	Total/NA
Copper	18000		170	50	ug/Kg	1		6020	Total/NA
Lead	3400		100	13	ug/Kg	1		6020	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Weston Solutions, Inc.
Project/Site: Denver Urban Garden, JPS

TestAmerica Job ID: 280-95601-1

Client Sample ID: NA-SO-DUP1 (Continued) — Lab Sample ID: 280-95601-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Manganese	370000		170	23	ug/Kg	1		6020	Total/NA
Nickel	12000	B	100	18	ug/Kg	1		6020	Total/NA
Selenium	130	J	350	93	ug/Kg	1		6020	Total/NA
Thallium	200		70	2.4	ug/Kg	1		6020	Total/NA
Zinc	59000		700	220	ug/Kg	1		6020	Total/NA
pH adj. to 25 deg C	8.6	HF	0.1	0.1	SU	1		9045C	Soluble
Temperature	21.2	HF	1.0	1.0	Degrees C	1		9045C	Soluble

Client Sample ID: NA-SO-DUP2 — Lab Sample ID: 280-95601-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	3.3	J B	5.5	1.8	ug/Kg	1		8260B	Total/NA

Client Sample ID: ST-EB-20170406 — Lab Sample ID: 280-95601-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	2.4	J	10	1.9	ug/L	1		8260B	Total/NA
Iron	24	J	100	22	ug/L	1		6010B	Total/NA
Magnesium	46	J	200	11	ug/L	1		6010B	Total/NA
Potassium	290	J B	3000	240	ug/L	1		6010B	Total/NA

Client Sample ID: ST-SO-01-00-01 — Lab Sample ID: 280-95601-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[b]fluoranthene	57000		4900	1200	ng/Kg	1		8270C SIM	Total/NA
Benzo[a]pyrene	48000		4900	730	ng/Kg	1		8270C SIM	Total/NA
Benzo[a]anthracene	26000		4900	890	ng/Kg	1		8270C SIM	Total/NA
Benzo[k]fluoranthene	19000		4900	990	ng/Kg	1		8270C SIM	Total/NA
Benzo[g,h,i]perylene	27000		4900	1100	ng/Kg	1		8270C SIM	Total/NA
Phenanthrene	16000		4900	1100	ng/Kg	1		8270C SIM	Total/NA
Anthracene	4100	J	4900	710	ng/Kg	1		8270C SIM	Total/NA
Dibenz(a,h)anthracene	7800		4900	1300	ng/Kg	1		8270C SIM	Total/NA
Chrysene	33000		4900	990	ng/Kg	1		8270C SIM	Total/NA
Acenaphthene	1400	J	4900	160	ng/Kg	1		8270C SIM	Total/NA
Acenaphthylene	1800	J	4900	170	ng/Kg	1		8270C SIM	Total/NA
Fluoranthene	47000		4900	990	ng/Kg	1		8270C SIM	Total/NA
Fluorene	1200	J	4900	460	ng/Kg	1		8270C SIM	Total/NA
Pyrene	41000		4900	1100	ng/Kg	1		8270C SIM	Total/NA
Indeno[1,2,3-cd]pyrene	27000		4900	1100	ng/Kg	1		8270C SIM	Total/NA
2-Methylnaphthalene	1300	J	4900	300	ng/Kg	1		8270C SIM	Total/NA
Naphthalene	2000	J	4900	320	ng/Kg	1		8270C SIM	Total/NA
Aluminum	11000		9.1	1.4	mg/Kg	1		6010C	Total/NA
Calcium	8900	B	45	13	mg/Kg	1		6010C	Total/NA
Iron	12000		14	3.5	mg/Kg	1		6010C	Total/NA
Magnesium	2700	B	18	3.4	mg/Kg	1		6010C	Total/NA
Potassium	2100		270	37	mg/Kg	1		6010C	Total/NA
Sodium	130	J B	450	54	mg/Kg	1		6010C	Total/NA
Arsenic	3400		510	43	ug/Kg	1		6020	Total/NA
Barium	130000	B	170	60	ug/Kg	1		6020	Total/NA
Beryllium	600		86	19	ug/Kg	1		6020	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: ST-SO-01-00-01 (Continued) — Lab Sample ID: 280-95601-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	310		86	8.0	ug/Kg	1		6020	Total/NA
Chromium	12000		170	65	ug/Kg	1		6020	Total/NA
Cobalt	5000		86	5.7	ug/Kg	1		6020	Total/NA
Copper	21000		210	61	ug/Kg	1		6020	Total/NA
Lead	20000		130	16	ug/Kg	1		6020	Total/NA
Manganese	270000		210	28	ug/Kg	1		6020	Total/NA
Nickel	8400	B	130	22	ug/Kg	1		6020	Total/NA
Selenium	220	J	430	110	ug/Kg	1		6020	Total/NA
Thallium	160		86	3.0	ug/Kg	1		6020	Total/NA
Zinc	64000		860	270	ug/Kg	1		6020	Total/NA
Mercury	13	J	19	6.1	ug/Kg	1		7471A	Total/NA

Client Sample ID: ST-SO-01-01-09 — Lab Sample ID: 280-95601-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[b]fluoranthene	59000	F1 F2	5000	1200	ng/Kg	1		8270C SIM	Total/NA
Benzo[a]pyrene	47000	F1 F2	5000	730	ng/Kg	1		8270C SIM	Total/NA
Benzo[a]anthracene	27000	F1	5000	890	ng/Kg	1		8270C SIM	Total/NA
Benzo[k]fluoranthene	22000	F1	5000	990	ng/Kg	1		8270C SIM	Total/NA
Benzo[g,h,i]perylene	27000	F1	5000	1100	ng/Kg	1		8270C SIM	Total/NA
Phenanthrene	18000	F1	5000	1100	ng/Kg	1		8270C SIM	Total/NA
Anthracene	4600	J F1	5000	710	ng/Kg	1		8270C SIM	Total/NA
Dibenz(a,h)anthracene	7800	F1	5000	1300	ng/Kg	1		8270C SIM	Total/NA
Chrysene	34000	F1	5000	990	ng/Kg	1		8270C SIM	Total/NA
Acenaphthene	1700	J	5000	160	ng/Kg	1		8270C SIM	Total/NA
Acenaphthylene	1900	J	5000	170	ng/Kg	1		8270C SIM	Total/NA
Fluoranthene	52000	F1 F2	5000	990	ng/Kg	1		8270C SIM	Total/NA
Fluorene	1500	J	5000	470	ng/Kg	1		8270C SIM	Total/NA
Pyrene	46000	F1 F2	5000	1100	ng/Kg	1		8270C SIM	Total/NA
Indeno[1,2,3-cd]pyrene	26000	F1	5000	1100	ng/Kg	1		8270C SIM	Total/NA
2-Methylnaphthalene	1000	J	5000	310	ng/Kg	1		8270C SIM	Total/NA
Naphthalene	1600	J	5000	320	ng/Kg	1		8270C SIM	Total/NA
4,4'-DDE	0.51	J	1.7	0.24	ug/Kg	1		8081B	Total/NA
Aluminum	9900		6.8	1.1	mg/Kg	1		6010C	Total/NA
Antimony	0.81	J	1.0	0.50	mg/Kg	1		6010C	Total/NA
Calcium	7500	B F1	34	9.6	mg/Kg	1		6010C	Total/NA
Iron	12000		10	2.6	mg/Kg	1		6010C	Total/NA
Magnesium	2400	B	14	2.5	mg/Kg	1		6010C	Total/NA
Potassium	2100		200	28	mg/Kg	1		6010C	Total/NA
Sodium	140	J B	340	40	mg/Kg	1		6010C	Total/NA
Arsenic	2400		420	35	ug/Kg	1		6020	Total/NA
Barium	88000	F2 B	140	49	ug/Kg	1		6020	Total/NA
Beryllium	440		70	16	ug/Kg	1		6020	Total/NA
Cadmium	320		70	6.6	ug/Kg	1		6020	Total/NA
Chromium	9400	F1	140	53	ug/Kg	1		6020	Total/NA
Cobalt	3600	F1	70	4.6	ug/Kg	1		6020	Total/NA
Copper	17000	F1	170	50	ug/Kg	1		6020	Total/NA
Lead	18000		100	13	ug/Kg	1		6020	Total/NA
Manganese	210000		170	23	ug/Kg	1		6020	Total/NA
Nickel	6300	B	100	18	ug/Kg	1		6020	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Weston Solutions, Inc.
Project/Site: Denver Urban Garden, JPS

TestAmerica Job ID: 280-95601-1

Client Sample ID: ST-SO-01-01-09 (Continued) — Lab Sample ID: 280-95601-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Selenium	180	J	350	93	ug/Kg	1		6020	Total/NA
Thallium	120	F1	70	2.5	ug/Kg	1		6020	Total/NA
Zinc	53000	F1	700	220	ug/Kg	1		6020	Total/NA
Mercury	19	J	20	6.5	ug/Kg	1		7471A	Total/NA

Client Sample ID: ST-SO-01-09-18 — Lab Sample ID: 280-95601-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[b]fluoranthene	30000		4800	1100	ng/Kg	1		8270C SIM	Total/NA
Benzo[a]pyrene	24000		4800	700	ng/Kg	1		8270C SIM	Total/NA
Benzo[a]anthracene	13000		4800	860	ng/Kg	1		8270C SIM	Total/NA
Benzo[k]fluoranthene	10000		4800	950	ng/Kg	1		8270C SIM	Total/NA
Benzo[g,h,i]perylene	14000		4800	1000	ng/Kg	1		8270C SIM	Total/NA
Phenanthrene	10000		4800	1000	ng/Kg	1		8270C SIM	Total/NA
Anthracene	2400	J	4800	690	ng/Kg	1		8270C SIM	Total/NA
Dibenz(a,h)anthracene	4700	J	4800	1200	ng/Kg	1		8270C SIM	Total/NA
Chrysene	17000		4800	950	ng/Kg	1		8270C SIM	Total/NA
Acenaphthene	1000	J	4800	150	ng/Kg	1		8270C SIM	Total/NA
Acenaphthylene	920	J	4800	160	ng/Kg	1		8270C SIM	Total/NA
Fluoranthene	27000		4800	950	ng/Kg	1		8270C SIM	Total/NA
Fluorene	1100	J	4800	450	ng/Kg	1		8270C SIM	Total/NA
Pyrene	23000		4800	1000	ng/Kg	1		8270C SIM	Total/NA
Indeno[1,2,3-cd]pyrene	14000		4800	1000	ng/Kg	1		8270C SIM	Total/NA
2-Methylnaphthalene	1100	J	4800	290	ng/Kg	1		8270C SIM	Total/NA
Naphthalene	1200	J	4800	310	ng/Kg	1		8270C SIM	Total/NA
Aluminum	12000		8.8	1.4	mg/Kg	1		6010C	Total/NA
Calcium	9700	B	44	12	mg/Kg	1		6010C	Total/NA
Iron	15000		13	3.4	mg/Kg	1		6010C	Total/NA
Magnesium	3300	B	18	3.3	mg/Kg	1		6010C	Total/NA
Potassium	2400		260	36	mg/Kg	1		6010C	Total/NA
Sodium	180	J B	440	52	mg/Kg	1		6010C	Total/NA
Arsenic	3100		440	37	ug/Kg	1		6020	Total/NA
Barium	140000	B	150	51	ug/Kg	1		6020	Total/NA
Beryllium	620		73	16	ug/Kg	1		6020	Total/NA
Cadmium	270		73	6.9	ug/Kg	1		6020	Total/NA
Chromium	12000		150	56	ug/Kg	1		6020	Total/NA
Cobalt	5200		73	4.8	ug/Kg	1		6020	Total/NA
Copper	18000		180	52	ug/Kg	1		6020	Total/NA
Lead	20000		110	13	ug/Kg	1		6020	Total/NA
Manganese	310000		180	24	ug/Kg	1		6020	Total/NA
Nickel	8900	B	110	18	ug/Kg	1		6020	Total/NA
Selenium	200	J	370	97	ug/Kg	1		6020	Total/NA
Thallium	170		73	2.6	ug/Kg	1		6020	Total/NA
Zinc	56000		730	230	ug/Kg	1		6020	Total/NA
Mercury	26		20	6.5	ug/Kg	1		7471A	Total/NA

Client Sample ID: ST-SO-01-15-16 — Lab Sample ID: 280-95601-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	2.8	J B	4.4	1.4	ug/Kg	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Weston Solutions, Inc.
Project/Site: Denver Urban Garden, JPS

TestAmerica Job ID: 280-95601-1

Client Sample ID: ST-SO-DUP1 — Lab Sample ID: 280-95601-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDE	0.53	J	1.7	0.24	ug/Kg	1		8081B	Total/NA
2,4-DB	11	J p	80	7.4	ug/Kg	1		8151A	Total/NA

Client Sample ID: ST-SO-DUP2 — Lab Sample ID: 280-95601-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[b]fluoranthene	40000		4900	1200	ng/Kg	1		8270C SIM	Total/NA
Benzo[a]pyrene	31000		4900	720	ng/Kg	1		8270C SIM	Total/NA
Benzo[a]anthracene	16000		4900	880	ng/Kg	1		8270C SIM	Total/NA
Benzo[k]fluoranthene	13000		4900	980	ng/Kg	1		8270C SIM	Total/NA
Benzo[g,h,i]perylene	18000		4900	1100	ng/Kg	1		8270C SIM	Total/NA
Phenanthrene	16000		4900	1100	ng/Kg	1		8270C SIM	Total/NA
Anthracene	3100	J	4900	700	ng/Kg	1		8270C SIM	Total/NA
Dibenz(a,h)anthracene	4200	J	4900	1300	ng/Kg	1		8270C SIM	Total/NA
Chrysene	26000		4900	980	ng/Kg	1		8270C SIM	Total/NA
Acenaphthene	1200	J	4900	160	ng/Kg	1		8270C SIM	Total/NA
Acenaphthylene	1200	J	4900	170	ng/Kg	1		8270C SIM	Total/NA
Fluoranthene	45000		4900	980	ng/Kg	1		8270C SIM	Total/NA
Fluorene	1000	J	4900	460	ng/Kg	1		8270C SIM	Total/NA
Pyrene	41000		4900	1100	ng/Kg	1		8270C SIM	Total/NA
Indeno[1,2,3-cd]pyrene	17000		4900	1100	ng/Kg	1		8270C SIM	Total/NA
2-Methylnaphthalene	890	J	4900	300	ng/Kg	1		8270C SIM	Total/NA
Naphthalene	1400	J	4900	320	ng/Kg	1		8270C SIM	Total/NA
Aluminum	11000		9.1	1.4	mg/Kg	1		6010C	Total/NA
Antimony	0.78	J	1.4	0.67	mg/Kg	1		6010C	Total/NA
Calcium	8400	B	46	13	mg/Kg	1		6010C	Total/NA
Iron	16000		14	3.5	mg/Kg	1		6010C	Total/NA
Magnesium	3400	B	18	3.4	mg/Kg	1		6010C	Total/NA
Potassium	2500		270	37	mg/Kg	1		6010C	Total/NA
Sodium	190	J B	460	54	mg/Kg	1		6010C	Total/NA
Arsenic	3000		530	45	ug/Kg	1		6020	Total/NA
Barium	140000	B	180	62	ug/Kg	1		6020	Total/NA
Beryllium	620		88	20	ug/Kg	1		6020	Total/NA
Cadmium	290		88	8.3	ug/Kg	1		6020	Total/NA
Chromium	14000		180	67	ug/Kg	1		6020	Total/NA
Cobalt	5000		88	5.9	ug/Kg	1		6020	Total/NA
Copper	19000		220	63	ug/Kg	1		6020	Total/NA
Lead	24000		130	16	ug/Kg	1		6020	Total/NA
Manganese	260000		220	29	ug/Kg	1		6020	Total/NA
Nickel	9000	B	130	22	ug/Kg	1		6020	Total/NA
Selenium	220	J	440	120	ug/Kg	1		6020	Total/NA
Thallium	180		88	3.1	ug/Kg	1		6020	Total/NA
Zinc	65000		880	280	ug/Kg	1		6020	Total/NA
Mercury	14	J	20	6.6	ug/Kg	1		7471A	Total/NA

Client Sample ID: ST-SO-DUP3 — Lab Sample ID: 280-95601-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	3.5	J B	5.9	1.9	ug/Kg	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Weston Solutions, Inc.
Project/Site: Denver Urban Garden, JPS

TestAmerica Job ID: 280-95601-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL DEN
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL DEN
8270C SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	TAL DEN
8081A	Organochlorine Pesticides (GC)	SW846	TAL DEN
8081B	Organochlorine Pesticides (GC)	SW846	TAL DEN
8151A	Herbicides (GC)	SW846	TAL DEN
6010B	Metals (ICP)	SW846	TAL DEN
6010C	Metals (ICP)	SW846	TAL DEN
6020	Metals (ICP/MS)	SW846	TAL DEN
7470A	Mercury (CVAA)	SW846	TAL DEN
7471A	Mercury (CVAA)	SW846	TAL DEN
9045C	pH	SW846	TAL DEN

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL DEN = TestAmerica Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

Sample Summary

Client: Weston Solutions, Inc.
Project/Site: Denver Urban Garden, JPS

TestAmerica Job ID: 280-95601-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
280-95601-1	NA-EB-20170406	Water	04/06/17 09:00	04/06/17 16:20
280-95601-2	NA-SO-01-00-01	Solid	04/06/17 08:25	04/06/17 16:20
280-95601-3	NA-SO-01-01-09	Solid	04/06/17 09:43	04/06/17 16:20
280-95601-4	NA-SO-01-09-18	Solid	04/06/17 09:50	04/06/17 16:20
280-95601-5	NA-SO-01-16-18	Solid	04/06/17 09:55	04/06/17 16:20
280-95601-6	NA-SO-02-00-01	Solid	04/06/17 09:36	04/06/17 16:20
280-95601-7	NA-SO-02-01-09	Solid	04/06/17 09:36	04/06/17 16:20
280-95601-8	NA-SO-02-09-18	Solid	04/06/17 09:48	04/06/17 16:20
280-95601-9	NA-SO-02-16-18	Solid	04/06/17 09:50	04/06/17 16:20
280-95601-10	NA-SO-DUP1	Solid	04/06/17 00:00	04/06/17 16:20
280-95601-11	NA-SO-DUP2	Solid	04/06/17 00:00	04/06/17 16:20
280-95601-12	ST-EB-20170406	Water	04/06/17 11:40	04/06/17 16:20
280-95601-13	ST-SO-01-00-01	Solid	04/06/17 12:00	04/06/17 16:20
280-95601-14	ST-SO-01-01-09	Solid	04/06/17 12:10	04/06/17 16:20
280-95601-15	ST-SO-01-09-18	Solid	04/06/17 12:35	04/06/17 16:20
280-95601-16	ST-SO-01-15-16	Solid	04/06/17 12:45	04/06/17 16:20
280-95601-17	ST-SO-DUP1	Solid	04/06/17 00:00	04/06/17 16:20
280-95601-18	ST-SO-DUP2	Solid	04/06/17 00:00	04/06/17 16:20
280-95601-19	ST-SO-DUP3	Solid	04/06/17 00:00	04/06/17 16:20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: NA-EB-20170406
Date Collected: 04/06/17 09:00
Date Received: 04/06/17 16:20

Lab Sample ID: 280-95601-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	1.9	ug/L			04/11/17 12:11	1
Benzene	ND		1.0	0.16	ug/L			04/11/17 12:11	1
Bromobenzene	ND		1.0	0.17	ug/L			04/11/17 12:11	1
Chlorobromomethane	ND		1.0	0.10	ug/L			04/11/17 12:11	1
Dichlorobromomethane	ND		1.0	0.17	ug/L			04/11/17 12:11	1
Bromoform	ND		1.0	0.19	ug/L			04/11/17 12:11	1
Bromomethane	ND		2.0	0.21	ug/L			04/11/17 12:11	1
2-Butanone (MEK)	ND		6.0	2.0	ug/L			04/11/17 12:11	1
n-Butylbenzene	ND		1.0	0.32	ug/L			04/11/17 12:11	1
sec-Butylbenzene	ND		1.0	0.17	ug/L			04/11/17 12:11	1
tert-Butylbenzene	ND		1.0	0.16	ug/L			04/11/17 12:11	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			04/11/17 12:11	1
Chlorobenzene	ND		1.0	0.17	ug/L			04/11/17 12:11	1
Chlorodibromomethane	ND		1.0	0.17	ug/L			04/11/17 12:11	1
Chloroethane	ND		2.0	0.41	ug/L			04/11/17 12:11	1
Chloroform	ND		1.0	0.16	ug/L			04/11/17 12:11	1
Chloromethane	ND		2.0	0.30	ug/L			04/11/17 12:11	1
2-Chlorotoluene	ND		1.0	0.17	ug/L			04/11/17 12:11	1
4-Chlorotoluene	ND		1.0	0.21	ug/L			04/11/17 12:11	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.47	ug/L			04/11/17 12:11	1
Dibromomethane	ND		1.0	0.17	ug/L			04/11/17 12:11	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			04/11/17 12:11	1
1,3-Dichlorobenzene	ND		1.0	0.13	ug/L			04/11/17 12:11	1
1,4-Dichlorobenzene	ND		1.0	0.16	ug/L			04/11/17 12:11	1
Dichlorodifluoromethane	ND		2.0	0.31	ug/L			04/11/17 12:11	1
1,1-Dichloroethane	ND		1.0	0.22	ug/L			04/11/17 12:11	1
1,2-Dichloroethane	ND		1.0	0.13	ug/L			04/11/17 12:11	1
cis-1,2-Dichloroethene	ND		1.0	0.15	ug/L			04/11/17 12:11	1
trans-1,2-Dichloroethene	ND		1.0	0.15	ug/L			04/11/17 12:11	1
1,1-Dichloroethene	ND		1.0	0.23	ug/L			04/11/17 12:11	1
1,2-Dichloroethene, Total	ND		1.0	0.24	ug/L			04/11/17 12:11	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			04/11/17 12:11	1
1,3-Dichloropropane	ND		1.0	0.22	ug/L			04/11/17 12:11	1
2,2-Dichloropropane	ND		1.0	0.18	ug/L			04/11/17 12:11	1
cis-1,3-Dichloropropene	ND		1.0	0.16	ug/L			04/11/17 12:11	1
trans-1,3-Dichloropropene	ND		3.0	0.19	ug/L			04/11/17 12:11	1
1,1-Dichloropropene	ND		1.0	0.19	ug/L			04/11/17 12:11	1
Ethylbenzene	ND		1.0	0.16	ug/L			04/11/17 12:11	1
Hexachlorobutadiene	ND		1.0	0.36	ug/L			04/11/17 12:11	1
2-Hexanone	ND		5.0	1.7	ug/L			04/11/17 12:11	1
Isopropylbenzene	ND		1.0	0.19	ug/L			04/11/17 12:11	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			04/11/17 12:11	1
Methylene Chloride	ND		2.0	0.32	ug/L			04/11/17 12:11	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.98	ug/L			04/11/17 12:11	1
Methyl tert-butyl ether	ND		5.0	0.25	ug/L			04/11/17 12:11	1
Naphthalene	ND		1.0	0.22	ug/L			04/11/17 12:11	1
N-Propylbenzene	ND		1.0	0.16	ug/L			04/11/17 12:11	1
Styrene	ND		1.0	0.17	ug/L			04/11/17 12:11	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/11/17 12:11	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: NA-EB-20170406 — **Lab Sample ID: 280-95601-1**
Date Collected: 04/06/17 09:00 — **Matrix: Water**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/11/17 12:11	1
Tetrachloroethene	ND		1.0	0.20	ug/L			04/11/17 12:11	1
Toluene	ND		1.0	0.17	ug/L			04/11/17 12:11	1
1,2,3-Trichlorobenzene	ND		1.0	0.21	ug/L			04/11/17 12:11	1
1,2,4-Trichlorobenzene	ND		1.0	0.21	ug/L			04/11/17 12:11	1
1,1,1-Trichloroethane	ND		1.0	0.16	ug/L			04/11/17 12:11	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			04/11/17 12:11	1
Trichloroethene	ND		1.0	0.16	ug/L			04/11/17 12:11	1
Trichlorofluoromethane	ND		2.0	0.29	ug/L			04/11/17 12:11	1
1,2,3-Trichloropropane	ND		2.5	0.33	ug/L			04/11/17 12:11	1
1,2,4-Trimethylbenzene	ND		1.0	0.15	ug/L			04/11/17 12:11	1
1,3,5-Trimethylbenzene	ND		1.0	0.16	ug/L			04/11/17 12:11	1
Vinyl chloride	ND		1.0	0.10	ug/L			04/11/17 12:11	1
m-Xylene & p-Xylene	ND		2.0	0.34	ug/L			04/11/17 12:11	1
o-Xylene	ND		1.0	0.19	ug/L			04/11/17 12:11	1
Xylenes, Total	ND		2.0	0.19	ug/L			04/11/17 12:11	1
1,2-Dibromoethane	ND		1.0	0.18	ug/L			04/11/17 12:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 127*		*04/11/17 12:11*	*1*
Toluene-d8 (Surr)	*107*		*80 - 125*		*04/11/17 12:11*	*1*
4-Bromofluorobenzene (Surr)	*92*		*78 - 120*		*04/11/17 12:11*	*1*
Dibromofluoromethane (Surr)	*109*		*77 - 120*		*04/11/17 12:11*	*1*

Client Sample ID: NA-SO-01-16-18 — **Lab Sample ID: 280-95601-5**
Date Collected: 04/06/17 09:55 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		22	6.0	ug/Kg		04/19/17 15:00	04/19/17 22:57	1
Benzene	ND		5.5	0.52	ug/Kg		04/19/17 15:00	04/19/17 22:57	1
Bromobenzene	ND		5.5	0.54	ug/Kg		04/19/17 15:00	04/19/17 22:57	1
Chlorobromomethane	ND		5.5	0.33	ug/Kg		04/19/17 15:00	04/19/17 22:57	1
Dichlorobromomethane	ND		5.5	0.24	ug/Kg		04/19/17 15:00	04/19/17 22:57	1
Bromoform	ND	*	5.5	0.26	ug/Kg		04/19/17 15:00	04/19/17 22:57	1
Bromomethane	ND		11	0.55	ug/Kg		04/19/17 15:00	04/19/17 22:57	1
2-Butanone (MEK)	ND	F2	22	2.0	ug/Kg		04/19/17 15:00	04/19/17 22:57	1
n-Butylbenzene	ND		5.5	0.62	ug/Kg		04/19/17 15:00	04/19/17 22:57	1
sec-Butylbenzene	ND		5.5	0.85	ug/Kg		04/19/17 15:00	04/19/17 22:57	1
tert-Butylbenzene	ND		5.5	0.55	ug/Kg		04/19/17 15:00	04/19/17 22:57	1
Chlorobenzene	ND		5.5	0.60	ug/Kg		04/19/17 15:00	04/19/17 22:57	1
Chlorodibromomethane	ND	*	5.5	0.63	ug/Kg		04/19/17 15:00	04/19/17 22:57	1
Chloroethane	ND		11	0.99	ug/Kg		04/19/17 15:00	04/19/17 22:57	1
Chloroform	ND		11	0.32	ug/Kg		04/19/17 15:00	04/19/17 22:57	1
Chloromethane	ND		11	0.85	ug/Kg		04/19/17 15:00	04/19/17 22:57	1
2-Chlorotoluene	ND		5.5	0.57	ug/Kg		04/19/17 15:00	04/19/17 22:57	1
4-Chlorotoluene	ND		5.5	0.87	ug/Kg		04/19/17 15:00	04/19/17 22:57	1
1,2-Dibromo-3-Chloropropane	ND		11	0.67	ug/Kg		04/19/17 15:00	04/19/17 22:57	1
Dibromomethane	ND		5.5	0.93	ug/Kg		04/19/17 15:00	04/19/17 22:57	1
1,2-Dichlorobenzene	ND		5.5	0.50	ug/Kg		04/19/17 15:00	04/19/17 22:57	1
1,3-Dichlorobenzene	ND		5.5	0.53	ug/Kg		04/19/17 15:00	04/19/17 22:57	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: NA-SO-01-16-18
Date Collected: 04/06/17 09:55
Date Received: 04/06/17 16:20

Lab Sample ID: 280-95601-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		5.5	0.87	ug/Kg		04/19/17 15:00	04/19/17 22:57	1
Dichlorodifluoromethane	ND		11	0.58	ug/Kg		04/19/17 15:00	04/19/17 22:57	1
1,1-Dichloroethane	ND		5.5	0.23	ug/Kg		04/19/17 15:00	04/19/17 22:57	1
1,2-Dichloroethane	ND		5.5	0.78	ug/Kg		04/19/17 15:00	04/19/17 22:57	1
cis-1,2-Dichloroethene	ND		2.8	0.62	ug/Kg		04/19/17 15:00	04/19/17 22:57	1
trans-1,2-Dichloroethene	ND		2.8	0.43	ug/Kg		04/19/17 15:00	04/19/17 22:57	1
1,1-Dichloroethene	ND		5.5	0.65	ug/Kg		04/19/17 15:00	04/19/17 22:57	1
1,2-Dichloroethene, Total	ND		5.5	0.43	ug/Kg		04/19/17 15:00	04/19/17 22:57	1
1,2-Dichloropropane	ND		5.5	0.61	ug/Kg		04/19/17 15:00	04/19/17 22:57	1
1,3-Dichloropropane	ND		5.5	0.57	ug/Kg		04/19/17 15:00	04/19/17 22:57	1
2,2-Dichloropropane	ND		5.5	0.49	ug/Kg		04/19/17 15:00	04/19/17 22:57	1
1,1-Dichloropropene	ND		5.5	0.60	ug/Kg		04/19/17 15:00	04/19/17 22:57	1
Ethylbenzene	ND		5.5	0.74	ug/Kg		04/19/17 15:00	04/19/17 22:57	1
Hexachlorobutadiene	ND		5.5	0.61	ug/Kg		04/19/17 15:00	04/19/17 22:57	1
2-Hexanone	ND		22	5.4	ug/Kg		04/19/17 15:00	04/19/17 22:57	1
Isopropylbenzene	ND		5.5	0.65	ug/Kg		04/19/17 15:00	04/19/17 22:57	1
4-Isopropyltoluene	ND		5.5	0.54	ug/Kg		04/19/17 15:00	04/19/17 22:57	1
Methylene Chloride	**3.6**	**J B**	5.5	1.8	ug/Kg		04/19/17 15:00	04/19/17 22:57	1
4-Methyl-2-pentanone (MIBK)	ND		22	4.8	ug/Kg		04/19/17 15:00	04/19/17 22:57	1
Methyl tert-butyl ether	ND		22	0.38	ug/Kg		04/19/17 15:00	04/19/17 22:57	1
Naphthalene	ND		5.5	0.70	ug/Kg		04/19/17 15:00	04/19/17 22:57	1
N-Propylbenzene	ND		5.5	0.64	ug/Kg		04/19/17 15:00	04/19/17 22:57	1
Styrene	ND		5.5	0.70	ug/Kg		04/19/17 15:00	04/19/17 22:57	1
1,1,1,2-Tetrachloroethane	ND		5.5	0.62	ug/Kg		04/19/17 15:00	04/19/17 22:57	1
1,1,2,2-Tetrachloroethane	ND		5.5	0.68	ug/Kg		04/19/17 15:00	04/19/17 22:57	1
Tetrachloroethene	ND		5.5	0.65	ug/Kg		04/19/17 15:00	04/19/17 22:57	1
Toluene	ND		5.5	0.77	ug/Kg		04/19/17 15:00	04/19/17 22:57	1
1,2,3-Trichlorobenzene	ND		5.5	0.83	ug/Kg		04/19/17 15:00	04/19/17 22:57	1
1,2,4-Trichlorobenzene	ND		5.5	0.81	ug/Kg		04/19/17 15:00	04/19/17 22:57	1
1,1,1-Trichloroethane	ND		5.5	0.58	ug/Kg		04/19/17 15:00	04/19/17 22:57	1
1,1,2-Trichloroethane	ND		5.5	0.98	ug/Kg		04/19/17 15:00	04/19/17 22:57	1
Trichloroethene	ND		5.5	0.26	ug/Kg		04/19/17 15:00	04/19/17 22:57	1
Trichlorofluoromethane	ND		11	1.2	ug/Kg		04/19/17 15:00	04/19/17 22:57	1
1,2,3-Trichloropropane	ND		5.5	0.90	ug/Kg		04/19/17 15:00	04/19/17 22:57	1
1,2,4-Trimethylbenzene	ND		5.5	0.64	ug/Kg		04/19/17 15:00	04/19/17 22:57	1
1,3,5-Trimethylbenzene	ND		5.5	0.63	ug/Kg		04/19/17 15:00	04/19/17 22:57	1
Vinyl chloride	ND		5.5	1.5	ug/Kg		04/19/17 15:00	04/19/17 22:57	1
m-Xylene & p-Xylene	ND		2.8	1.2	ug/Kg		04/19/17 15:00	04/19/17 22:57	1
o-Xylene	ND		2.8	0.68	ug/Kg		04/19/17 15:00	04/19/17 22:57	1
Xylenes, Total	ND		5.5	0.68	ug/Kg		04/19/17 15:00	04/19/17 22:57	1
Carbon tetrachloride	ND		5.5	0.70	ug/Kg		04/19/17 15:00	04/19/17 22:57	1
1,2-Dibromoethane	ND		5.5	0.58	ug/Kg		04/19/17 15:00	04/19/17 22:57	1
cis-1,3-Dichloropropene	ND		5.5	1.4	ug/Kg		04/19/17 15:00	04/19/17 22:57	1
trans-1,3-Dichloropropene	ND		5.5	0.74	ug/Kg		04/19/17 15:00	04/19/17 22:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*58 - 140*	*04/19/17 15:00*	*04/19/17 22:57*	*1*
Toluene-d8 (Surr)	*96*		*80 - 126*	*04/19/17 15:00*	*04/19/17 22:57*	*1*
4-Bromofluorobenzene (Surr)	*94*		*76 - 127*	*04/19/17 15:00*	*04/19/17 22:57*	*1*
Dibromofluoromethane (Surr)	*114*		*75 - 121*	*04/19/17 15:00*	*04/19/17 22:57*	*1*

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Denver Urban Garden, JPS

TestAmerica Job ID: 280-95601-1

Client Sample ID: NA-SO-02-16-18
Date Collected: 04/06/17 09:50
Date Received: 04/06/17 16:20

Lab Sample ID: 280-95601-9
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		19	5.1	ug/Kg		04/19/17 15:00	04/20/17 00:41	1
Benzene	**1.2**	**J**	4.7	0.44	ug/Kg		04/19/17 15:00	04/20/17 00:41	1
Bromobenzene	ND		4.7	0.46	ug/Kg		04/19/17 15:00	04/20/17 00:41	1
Chlorobromomethane	ND		4.7	0.28	ug/Kg		04/19/17 15:00	04/20/17 00:41	1
Dichlorobromomethane	ND		4.7	0.21	ug/Kg		04/19/17 15:00	04/20/17 00:41	1
Bromoform	ND	*	4.7	0.22	ug/Kg		04/19/17 15:00	04/20/17 00:41	1
Bromomethane	ND		9.4	0.47	ug/Kg		04/19/17 15:00	04/20/17 00:41	1
2-Butanone (MEK)	ND		19	1.7	ug/Kg		04/19/17 15:00	04/20/17 00:41	1
n-Butylbenzene	ND		4.7	0.53	ug/Kg		04/19/17 15:00	04/20/17 00:41	1
sec-Butylbenzene	ND		4.7	0.72	ug/Kg		04/19/17 15:00	04/20/17 00:41	1
tert-Butylbenzene	ND		4.7	0.47	ug/Kg		04/19/17 15:00	04/20/17 00:41	1
Chlorobenzene	ND		4.7	0.51	ug/Kg		04/19/17 15:00	04/20/17 00:41	1
Chlorodibromomethane	ND	*	4.7	0.54	ug/Kg		04/19/17 15:00	04/20/17 00:41	1
Chloroethane	ND		9.4	0.84	ug/Kg		04/19/17 15:00	04/20/17 00:41	1
Chloroform	ND		9.4	0.27	ug/Kg		04/19/17 15:00	04/20/17 00:41	1
Chloromethane	ND		9.4	0.72	ug/Kg		04/19/17 15:00	04/20/17 00:41	1
2-Chlorotoluene	ND		4.7	0.48	ug/Kg		04/19/17 15:00	04/20/17 00:41	1
4-Chlorotoluene	ND		4.7	0.73	ug/Kg		04/19/17 15:00	04/20/17 00:41	1
1,2-Dibromo-3-Chloropropane	ND		9.4	0.56	ug/Kg		04/19/17 15:00	04/20/17 00:41	1
Dibromomethane	ND		4.7	0.79	ug/Kg		04/19/17 15:00	04/20/17 00:41	1
1,2-Dichlorobenzene	ND		4.7	0.42	ug/Kg		04/19/17 15:00	04/20/17 00:41	1
1,3-Dichlorobenzene	ND		4.7	0.45	ug/Kg		04/19/17 15:00	04/20/17 00:41	1
1,4-Dichlorobenzene	ND		4.7	0.73	ug/Kg		04/19/17 15:00	04/20/17 00:41	1
Dichlorodifluoromethane	ND		9.4	0.49	ug/Kg		04/19/17 15:00	04/20/17 00:41	1
1,1-Dichloroethane	ND		4.7	0.20	ug/Kg		04/19/17 15:00	04/20/17 00:41	1
1,2-Dichloroethane	ND		4.7	0.66	ug/Kg		04/19/17 15:00	04/20/17 00:41	1
cis-1,2-Dichloroethene	ND		2.4	0.53	ug/Kg		04/19/17 15:00	04/20/17 00:41	1
trans-1,2-Dichloroethene	ND		2.4	0.37	ug/Kg		04/19/17 15:00	04/20/17 00:41	1
1,1-Dichloroethene	ND		4.7	0.55	ug/Kg		04/19/17 15:00	04/20/17 00:41	1
1,2-Dichloroethene, Total	ND		4.7	0.37	ug/Kg		04/19/17 15:00	04/20/17 00:41	1
1,2-Dichloropropane	ND		4.7	0.52	ug/Kg		04/19/17 15:00	04/20/17 00:41	1
1,3-Dichloropropane	ND		4.7	0.48	ug/Kg		04/19/17 15:00	04/20/17 00:41	1
2,2-Dichloropropane	ND		4.7	0.41	ug/Kg		04/19/17 15:00	04/20/17 00:41	1
1,1-Dichloropropene	ND		4.7	0.51	ug/Kg		04/19/17 15:00	04/20/17 00:41	1
Ethylbenzene	ND		4.7	0.63	ug/Kg		04/19/17 15:00	04/20/17 00:41	1
Hexachlorobutadiene	ND		4.7	0.52	ug/Kg		04/19/17 15:00	04/20/17 00:41	1
2-Hexanone	ND		19	4.6	ug/Kg		04/19/17 15:00	04/20/17 00:41	1
Isopropylbenzene	ND		4.7	0.55	ug/Kg		04/19/17 15:00	04/20/17 00:41	1
4-Isopropyltoluene	ND		4.7	0.46	ug/Kg		04/19/17 15:00	04/20/17 00:41	1
Methylene Chloride	**2.8**	**J B**	4.7	1.5	ug/Kg		04/19/17 15:00	04/20/17 00:41	1
4-Methyl-2-pentanone (MIBK)	ND		19	4.1	ug/Kg		04/19/17 15:00	04/20/17 00:41	1
Methyl tert-butyl ether	ND		19	0.32	ug/Kg		04/19/17 15:00	04/20/17 00:41	1
Naphthalene	ND		4.7	0.59	ug/Kg		04/19/17 15:00	04/20/17 00:41	1
N-Propylbenzene	ND		4.7	0.55	ug/Kg		04/19/17 15:00	04/20/17 00:41	1
Styrene	ND		4.7	0.59	ug/Kg		04/19/17 15:00	04/20/17 00:41	1
1,1,1,2-Tetrachloroethane	ND		4.7	0.53	ug/Kg		04/19/17 15:00	04/20/17 00:41	1
1,1,2,2-Tetrachloroethane	ND		4.7	0.57	ug/Kg		04/19/17 15:00	04/20/17 00:41	1
Tetrachloroethene	ND		4.7	0.55	ug/Kg		04/19/17 15:00	04/20/17 00:41	1
Toluene	ND		4.7	0.65	ug/Kg		04/19/17 15:00	04/20/17 00:41	1
1,2,3-Trichlorobenzene	ND		4.7	0.71	ug/Kg		04/19/17 15:00	04/20/17 00:41	1
1,2,4-Trichlorobenzene	ND		4.7	0.69	ug/Kg		04/19/17 15:00	04/20/17 00:41	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: NA-SO-02-16-18 — **Lab Sample ID: 280-95601-9**
Date Collected: 04/06/17 09:50 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.7	0.49	ug/Kg		04/19/17 15:00	04/20/17 00:41	1
1,1,2-Trichloroethane	ND		4.7	0.83	ug/Kg		04/19/17 15:00	04/20/17 00:41	1
Trichloroethene	ND		4.7	0.22	ug/Kg		04/19/17 15:00	04/20/17 00:41	1
Trichlorofluoromethane	ND		9.4	0.98	ug/Kg		04/19/17 15:00	04/20/17 00:41	1
1,2,3-Trichloropropane	ND		4.7	0.76	ug/Kg		04/19/17 15:00	04/20/17 00:41	1
1,2,4-Trimethylbenzene	ND		4.7	0.55	ug/Kg		04/19/17 15:00	04/20/17 00:41	1
1,3,5-Trimethylbenzene	ND		4.7	0.54	ug/Kg		04/19/17 15:00	04/20/17 00:41	1
Vinyl chloride	ND		4.7	1.3	ug/Kg		04/19/17 15:00	04/20/17 00:41	1
m-Xylene & p-Xylene	ND		2.4	0.98	ug/Kg		04/19/17 15:00	04/20/17 00:41	1
o-Xylene	ND		2.4	0.57	ug/Kg		04/19/17 15:00	04/20/17 00:41	1
Xylenes, Total	ND		4.7	0.57	ug/Kg		04/19/17 15:00	04/20/17 00:41	1
Carbon tetrachloride	ND		4.7	0.59	ug/Kg		04/19/17 15:00	04/20/17 00:41	1
1,2-Dibromoethane	ND		4.7	0.49	ug/Kg		04/19/17 15:00	04/20/17 00:41	1
cis-1,3-Dichloropropene	ND		4.7	1.2	ug/Kg		04/19/17 15:00	04/20/17 00:41	1
trans-1,3-Dichloropropene	ND		4.7	0.63	ug/Kg		04/19/17 15:00	04/20/17 00:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*116*		*58 - 140*	*04/19/17 15:00*	*04/20/17 00:41*	*1*
Toluene-d8 (Surr)	*93*		*80 - 126*	*04/19/17 15:00*	*04/20/17 00:41*	*1*
4-Bromofluorobenzene (Surr)	*93*		*76 - 127*	*04/19/17 15:00*	*04/20/17 00:41*	*1*
Dibromofluoromethane (Surr)	*112*		*75 - 121*	*04/19/17 15:00*	*04/20/17 00:41*	*1*

Client Sample ID: NA-SO-DUP2 — **Lab Sample ID: 280-95601-11**
Date Collected: 04/06/17 00:00 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		22	5.9	ug/Kg		04/19/17 15:00	04/20/17 01:02	1
Benzene	ND		5.5	0.52	ug/Kg		04/19/17 15:00	04/20/17 01:02	1
Bromobenzene	ND		5.5	0.54	ug/Kg		04/19/17 15:00	04/20/17 01:02	1
Chlorobromomethane	ND		5.5	0.33	ug/Kg		04/19/17 15:00	04/20/17 01:02	1
Dichlorobromomethane	ND		5.5	0.24	ug/Kg		04/19/17 15:00	04/20/17 01:02	1
Bromoform	ND	*	5.5	0.25	ug/Kg		04/19/17 15:00	04/20/17 01:02	1
Bromomethane	ND		11	0.55	ug/Kg		04/19/17 15:00	04/20/17 01:02	1
2-Butanone (MEK)	ND		22	2.0	ug/Kg		04/19/17 15:00	04/20/17 01:02	1
n-Butylbenzene	ND		5.5	0.62	ug/Kg		04/19/17 15:00	04/20/17 01:02	1
sec-Butylbenzene	ND		5.5	0.85	ug/Kg		04/19/17 15:00	04/20/17 01:02	1
tert-Butylbenzene	ND		5.5	0.55	ug/Kg		04/19/17 15:00	04/20/17 01:02	1
Chlorobenzene	ND		5.5	0.60	ug/Kg		04/19/17 15:00	04/20/17 01:02	1
Chlorodibromomethane	ND	*	5.5	0.63	ug/Kg		04/19/17 15:00	04/20/17 01:02	1
Chloroethane	ND		11	0.98	ug/Kg		04/19/17 15:00	04/20/17 01:02	1
Chloroform	ND		11	0.32	ug/Kg		04/19/17 15:00	04/20/17 01:02	1
Chloromethane	ND		11	0.85	ug/Kg		04/19/17 15:00	04/20/17 01:02	1
2-Chlorotoluene	ND		5.5	0.56	ug/Kg		04/19/17 15:00	04/20/17 01:02	1
4-Chlorotoluene	ND		5.5	0.86	ug/Kg		04/19/17 15:00	04/20/17 01:02	1
1,2-Dibromo-3-Chloropropane	ND		11	0.66	ug/Kg		04/19/17 15:00	04/20/17 01:02	1
Dibromomethane	ND		5.5	0.93	ug/Kg		04/19/17 15:00	04/20/17 01:02	1
1,2-Dichlorobenzene	ND		5.5	0.50	ug/Kg		04/19/17 15:00	04/20/17 01:02	1
1,3-Dichlorobenzene	ND		5.5	0.53	ug/Kg		04/19/17 15:00	04/20/17 01:02	1
1,4-Dichlorobenzene	ND		5.5	0.86	ug/Kg		04/19/17 15:00	04/20/17 01:02	1
Dichlorodifluoromethane	ND		11	0.57	ug/Kg		04/19/17 15:00	04/20/17 01:02	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: NA-SO-DUP2
Date Collected: 04/06/17 00:00
Date Received: 04/06/17 16:20

Lab Sample ID: 280-95601-11
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		5.5	0.23	ug/Kg		04/19/17 15:00	04/20/17 01:02	1
1,2-Dichloroethane	ND		5.5	0.77	ug/Kg		04/19/17 15:00	04/20/17 01:02	1
cis-1,2-Dichloroethene	ND		2.8	0.62	ug/Kg		04/19/17 15:00	04/20/17 01:02	1
trans-1,2-Dichloroethene	ND		2.8	0.43	ug/Kg		04/19/17 15:00	04/20/17 01:02	1
1,1-Dichloroethene	ND		5.5	0.65	ug/Kg		04/19/17 15:00	04/20/17 01:02	1
1,2-Dichloroethene, Total	ND		5.5	0.43	ug/Kg		04/19/17 15:00	04/20/17 01:02	1
1,2-Dichloropropane	ND		5.5	0.61	ug/Kg		04/19/17 15:00	04/20/17 01:02	1
1,3-Dichloropropane	ND		5.5	0.56	ug/Kg		04/19/17 15:00	04/20/17 01:02	1
2,2-Dichloropropane	ND		5.5	0.48	ug/Kg		04/19/17 15:00	04/20/17 01:02	1
1,1-Dichloropropene	ND		5.5	0.60	ug/Kg		04/19/17 15:00	04/20/17 01:02	1
Ethylbenzene	ND		5.5	0.74	ug/Kg		04/19/17 15:00	04/20/17 01:02	1
Hexachlorobutadiene	ND		5.5	0.61	ug/Kg		04/19/17 15:00	04/20/17 01:02	1
2-Hexanone	ND		22	5.4	ug/Kg		04/19/17 15:00	04/20/17 01:02	1
Isopropylbenzene	ND		5.5	0.65	ug/Kg		04/19/17 15:00	04/20/17 01:02	1
4-Isopropyltoluene	ND		5.5	0.54	ug/Kg		04/19/17 15:00	04/20/17 01:02	1
Methylene Chloride	**3.3**	**J B**	5.5	1.8	ug/Kg		04/19/17 15:00	04/20/17 01:02	1
4-Methyl-2-pentanone (MIBK)	ND		22	4.8	ug/Kg		04/19/17 15:00	04/20/17 01:02	1
Methyl tert-butyl ether	ND		22	0.37	ug/Kg		04/19/17 15:00	04/20/17 01:02	1
Naphthalene	ND		5.5	0.69	ug/Kg		04/19/17 15:00	04/20/17 01:02	1
N-Propylbenzene	ND		5.5	0.64	ug/Kg		04/19/17 15:00	04/20/17 01:02	1
Styrene	ND		5.5	0.69	ug/Kg		04/19/17 15:00	04/20/17 01:02	1
1,1,1,2-Tetrachloroethane	ND		5.5	0.62	ug/Kg		04/19/17 15:00	04/20/17 01:02	1
1,1,2,2-Tetrachloroethane	ND		5.5	0.67	ug/Kg		04/19/17 15:00	04/20/17 01:02	1
Tetrachloroethene	ND		5.5	0.65	ug/Kg		04/19/17 15:00	04/20/17 01:02	1
Toluene	ND		5.5	0.76	ug/Kg		04/19/17 15:00	04/20/17 01:02	1
1,2,3-Trichlorobenzene	ND		5.5	0.83	ug/Kg		04/19/17 15:00	04/20/17 01:02	1
1,2,4-Trichlorobenzene	ND		5.5	0.80	ug/Kg		04/19/17 15:00	04/20/17 01:02	1
1,1,1-Trichloroethane	ND		5.5	0.57	ug/Kg		04/19/17 15:00	04/20/17 01:02	1
1,1,2-Trichloroethane	ND		5.5	0.97	ug/Kg		04/19/17 15:00	04/20/17 01:02	1
Trichloroethene	ND		5.5	0.25	ug/Kg		04/19/17 15:00	04/20/17 01:02	1
Trichlorofluoromethane	ND		11	1.1	ug/Kg		04/19/17 15:00	04/20/17 01:02	1
1,2,3-Trichloropropane	ND		5.5	0.89	ug/Kg		04/19/17 15:00	04/20/17 01:02	1
1,2,4-Trimethylbenzene	ND		5.5	0.64	ug/Kg		04/19/17 15:00	04/20/17 01:02	1
1,3,5-Trimethylbenzene	ND		5.5	0.63	ug/Kg		04/19/17 15:00	04/20/17 01:02	1
Vinyl chloride	ND		5.5	1.5	ug/Kg		04/19/17 15:00	04/20/17 01:02	1
m-Xylene & p-Xylene	ND		2.8	1.1	ug/Kg		04/19/17 15:00	04/20/17 01:02	1
o-Xylene	ND		2.8	0.67	ug/Kg		04/19/17 15:00	04/20/17 01:02	1
Xylenes, Total	ND		5.5	0.67	ug/Kg		04/19/17 15:00	04/20/17 01:02	1
Carbon tetrachloride	ND		5.5	0.69	ug/Kg		04/19/17 15:00	04/20/17 01:02	1
1,2-Dibromoethane	ND		5.5	0.57	ug/Kg		04/19/17 15:00	04/20/17 01:02	1
cis-1,3-Dichloropropene	ND		5.5	1.4	ug/Kg		04/19/17 15:00	04/20/17 01:02	1
trans-1,3-Dichloropropene	ND		5.5	0.74	ug/Kg		04/19/17 15:00	04/20/17 01:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*58 - 140*	*04/19/17 15:00*	*04/20/17 01:02*	*1*
Toluene-d8 (Surr)	*90*		*80 - 126*	*04/19/17 15:00*	*04/20/17 01:02*	*1*
4-Bromofluorobenzene (Surr)	*94*		*76 - 127*	*04/19/17 15:00*	*04/20/17 01:02*	*1*
Dibromofluoromethane (Surr)	*114*		*75 - 121*	*04/19/17 15:00*	*04/20/17 01:02*	*1*

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Denver Urban Garden, JPS

TestAmerica Job ID: 280-95601-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: ST-EB-20170406
Date Collected: 04/06/17 11:40
Date Received: 04/06/17 16:20

Lab Sample ID: 280-95601-12
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**2.4**	**J**	10	1.9	ug/L			04/11/17 12:32	1
Benzene	ND		1.0	0.16	ug/L			04/11/17 12:32	1
Bromobenzene	ND		1.0	0.17	ug/L			04/11/17 12:32	1
Chlorobromomethane	ND		1.0	0.10	ug/L			04/11/17 12:32	1
Dichlorobromomethane	ND		1.0	0.17	ug/L			04/11/17 12:32	1
Bromoform	ND		1.0	0.19	ug/L			04/11/17 12:32	1
Bromomethane	ND		2.0	0.21	ug/L			04/11/17 12:32	1
2-Butanone (MEK)	ND		6.0	2.0	ug/L			04/11/17 12:32	1
n-Butylbenzene	ND		1.0	0.32	ug/L			04/11/17 12:32	1
sec-Butylbenzene	ND		1.0	0.17	ug/L			04/11/17 12:32	1
tert-Butylbenzene	ND		1.0	0.16	ug/L			04/11/17 12:32	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			04/11/17 12:32	1
Chlorobenzene	ND		1.0	0.17	ug/L			04/11/17 12:32	1
Chlorodibromomethane	ND		1.0	0.17	ug/L			04/11/17 12:32	1
Chloroethane	ND		2.0	0.41	ug/L			04/11/17 12:32	1
Chloroform	ND		1.0	0.16	ug/L			04/11/17 12:32	1
Chloromethane	ND		2.0	0.30	ug/L			04/11/17 12:32	1
2-Chlorotoluene	ND		1.0	0.17	ug/L			04/11/17 12:32	1
4-Chlorotoluene	ND		1.0	0.21	ug/L			04/11/17 12:32	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.47	ug/L			04/11/17 12:32	1
Dibromomethane	ND		1.0	0.17	ug/L			04/11/17 12:32	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			04/11/17 12:32	1
1,3-Dichlorobenzene	ND		1.0	0.13	ug/L			04/11/17 12:32	1
1,4-Dichlorobenzene	ND		1.0	0.16	ug/L			04/11/17 12:32	1
Dichlorodifluoromethane	ND		2.0	0.31	ug/L			04/11/17 12:32	1
1,1-Dichloroethane	ND		1.0	0.22	ug/L			04/11/17 12:32	1
1,2-Dichloroethane	ND		1.0	0.13	ug/L			04/11/17 12:32	1
cis-1,2-Dichloroethene	ND		1.0	0.15	ug/L			04/11/17 12:32	1
trans-1,2-Dichloroethene	ND		1.0	0.15	ug/L			04/11/17 12:32	1
1,1-Dichloroethene	ND		1.0	0.23	ug/L			04/11/17 12:32	1
1,2-Dichloroethene, Total	ND		1.0	0.24	ug/L			04/11/17 12:32	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			04/11/17 12:32	1
1,3-Dichloropropane	ND		1.0	0.22	ug/L			04/11/17 12:32	1
2,2-Dichloropropane	ND		1.0	0.18	ug/L			04/11/17 12:32	1
cis-1,3-Dichloropropene	ND		1.0	0.16	ug/L			04/11/17 12:32	1
trans-1,3-Dichloropropene	ND		3.0	0.19	ug/L			04/11/17 12:32	1
1,1-Dichloropropene	ND		1.0	0.19	ug/L			04/11/17 12:32	1
Ethylbenzene	ND		1.0	0.16	ug/L			04/11/17 12:32	1
Hexachlorobutadiene	ND		1.0	0.36	ug/L			04/11/17 12:32	1
2-Hexanone	ND		5.0	1.7	ug/L			04/11/17 12:32	1
Isopropylbenzene	ND		1.0	0.19	ug/L			04/11/17 12:32	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			04/11/17 12:32	1
Methylene Chloride	ND		2.0	0.32	ug/L			04/11/17 12:32	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.98	ug/L			04/11/17 12:32	1
Methyl tert-butyl ether	ND		5.0	0.25	ug/L			04/11/17 12:32	1
Naphthalene	ND		1.0	0.22	ug/L			04/11/17 12:32	1
N-Propylbenzene	ND		1.0	0.16	ug/L			04/11/17 12:32	1
Styrene	ND		1.0	0.17	ug/L			04/11/17 12:32	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/11/17 12:32	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: ST-EB-20170406 — **Lab Sample ID: 280-95601-12**
Date Collected: 04/06/17 11:40 — **Matrix: Water**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/11/17 12:32	1
Tetrachloroethene	ND		1.0	0.20	ug/L			04/11/17 12:32	1
Toluene	ND		1.0	0.17	ug/L			04/11/17 12:32	1
1,2,3-Trichlorobenzene	ND		1.0	0.21	ug/L			04/11/17 12:32	1
1,2,4-Trichlorobenzene	ND		1.0	0.21	ug/L			04/11/17 12:32	1
1,1,1-Trichloroethane	ND		1.0	0.16	ug/L			04/11/17 12:32	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			04/11/17 12:32	1
Trichloroethene	ND		1.0	0.16	ug/L			04/11/17 12:32	1
Trichlorofluoromethane	ND		2.0	0.29	ug/L			04/11/17 12:32	1
1,2,3-Trichloropropane	ND		2.5	0.33	ug/L			04/11/17 12:32	1
1,2,4-Trimethylbenzene	ND		1.0	0.15	ug/L			04/11/17 12:32	1
1,3,5-Trimethylbenzene	ND		1.0	0.16	ug/L			04/11/17 12:32	1
Vinyl chloride	ND		1.0	0.10	ug/L			04/11/17 12:32	1
m-Xylene & p-Xylene	ND		2.0	0.34	ug/L			04/11/17 12:32	1
o-Xylene	ND		1.0	0.19	ug/L			04/11/17 12:32	1
Xylenes, Total	ND		2.0	0.19	ug/L			04/11/17 12:32	1
1,2-Dibromoethane	ND		1.0	0.18	ug/L			04/11/17 12:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 127*		*04/11/17 12:32*	*1*
Toluene-d8 (Surr)	*107*		*80 - 125*		*04/11/17 12:32*	*1*
4-Bromofluorobenzene (Surr)	*91*		*78 - 120*		*04/11/17 12:32*	*1*
Dibromofluoromethane (Surr)	*111*		*77 - 120*		*04/11/17 12:32*	*1*

Client Sample ID: ST-SO-01-15-16 — **Lab Sample ID: 280-95601-16**
Date Collected: 04/06/17 12:45 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		18	4.8	ug/Kg		04/19/17 15:00	04/20/17 01:23	1
Benzene	ND		4.4	0.42	ug/Kg		04/19/17 15:00	04/20/17 01:23	1
Bromobenzene	ND		4.4	0.43	ug/Kg		04/19/17 15:00	04/20/17 01:23	1
Chlorobromomethane	ND		4.4	0.27	ug/Kg		04/19/17 15:00	04/20/17 01:23	1
Dichlorobromomethane	ND		4.4	0.20	ug/Kg		04/19/17 15:00	04/20/17 01:23	1
Bromoform	ND	F1 *	4.4	0.20	ug/Kg		04/19/17 15:00	04/20/17 01:23	1
Bromomethane	ND		8.9	0.44	ug/Kg		04/19/17 15:00	04/20/17 01:23	1
2-Butanone (MEK)	ND	F1	18	1.6	ug/Kg		04/19/17 15:00	04/20/17 01:23	1
n-Butylbenzene	ND	F1	4.4	0.50	ug/Kg		04/19/17 15:00	04/20/17 01:23	1
sec-Butylbenzene	ND	F1	4.4	0.68	ug/Kg		04/19/17 15:00	04/20/17 01:23	1
tert-Butylbenzene	ND		4.4	0.44	ug/Kg		04/19/17 15:00	04/20/17 01:23	1
Chlorobenzene	ND		4.4	0.48	ug/Kg		04/19/17 15:00	04/20/17 01:23	1
Chlorodibromomethane	ND	*	4.4	0.51	ug/Kg		04/19/17 15:00	04/20/17 01:23	1
Chloroethane	ND	F1	8.9	0.79	ug/Kg		04/19/17 15:00	04/20/17 01:23	1
Chloroform	ND		8.9	0.26	ug/Kg		04/19/17 15:00	04/20/17 01:23	1
Chloromethane	ND		8.9	0.68	ug/Kg		04/19/17 15:00	04/20/17 01:23	1
2-Chlorotoluene	ND		4.4	0.45	ug/Kg		04/19/17 15:00	04/20/17 01:23	1
4-Chlorotoluene	ND		4.4	0.69	ug/Kg		04/19/17 15:00	04/20/17 01:23	1
1,2-Dibromo-3-Chloropropane	ND		8.9	0.53	ug/Kg		04/19/17 15:00	04/20/17 01:23	1
Dibromomethane	ND		4.4	0.74	ug/Kg		04/19/17 15:00	04/20/17 01:23	1
1,2-Dichlorobenzene	ND	F1	4.4	0.40	ug/Kg		04/19/17 15:00	04/20/17 01:23	1
1,3-Dichlorobenzene	ND		4.4	0.43	ug/Kg		04/19/17 15:00	04/20/17 01:23	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: ST-SO-01-15-16
Date Collected: 04/06/17 12:45
Date Received: 04/06/17 16:20

Lab Sample ID: 280-95601-16
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND	F1	4.4	0.69	ug/Kg		04/19/17 15:00	04/20/17 01:23	1
Dichlorodifluoromethane	ND		8.9	0.46	ug/Kg		04/19/17 15:00	04/20/17 01:23	1
1,1-Dichloroethane	ND		4.4	0.19	ug/Kg		04/19/17 15:00	04/20/17 01:23	1
1,2-Dichloroethane	ND		4.4	0.62	ug/Kg		04/19/17 15:00	04/20/17 01:23	1
cis-1,2-Dichloroethene	ND		2.2	0.50	ug/Kg		04/19/17 15:00	04/20/17 01:23	1
trans-1,2-Dichloroethene	ND		2.2	0.35	ug/Kg		04/19/17 15:00	04/20/17 01:23	1
1,1-Dichloroethene	ND		4.4	0.52	ug/Kg		04/19/17 15:00	04/20/17 01:23	1
1,2-Dichloroethene, Total	ND		4.4	0.35	ug/Kg		04/19/17 15:00	04/20/17 01:23	1
1,2-Dichloropropane	ND		4.4	0.49	ug/Kg		04/19/17 15:00	04/20/17 01:23	1
1,3-Dichloropropane	ND		4.4	0.45	ug/Kg		04/19/17 15:00	04/20/17 01:23	1
2,2-Dichloropropane	ND		4.4	0.39	ug/Kg		04/19/17 15:00	04/20/17 01:23	1
1,1-Dichloropropene	ND		4.4	0.48	ug/Kg		04/19/17 15:00	04/20/17 01:23	1
Ethylbenzene	ND		4.4	0.59	ug/Kg		04/19/17 15:00	04/20/17 01:23	1
Hexachlorobutadiene	ND	F1	4.4	0.49	ug/Kg		04/19/17 15:00	04/20/17 01:23	1
2-Hexanone	ND		18	4.3	ug/Kg		04/19/17 15:00	04/20/17 01:23	1
Isopropylbenzene	ND		4.4	0.52	ug/Kg		04/19/17 15:00	04/20/17 01:23	1
4-Isopropyltoluene	ND	F1	4.4	0.43	ug/Kg		04/19/17 15:00	04/20/17 01:23	1
Methylene Chloride	**2.8**	**J B**	4.4	1.4	ug/Kg		04/19/17 15:00	04/20/17 01:23	1
4-Methyl-2-pentanone (MIBK)	ND		18	3.9	ug/Kg		04/19/17 15:00	04/20/17 01:23	1
Methyl tert-butyl ether	ND		18	0.30	ug/Kg		04/19/17 15:00	04/20/17 01:23	1
Naphthalene	ND	F1	4.4	0.56	ug/Kg		04/19/17 15:00	04/20/17 01:23	1
N-Propylbenzene	ND		4.4	0.51	ug/Kg		04/19/17 15:00	04/20/17 01:23	1
Styrene	ND		4.4	0.56	ug/Kg		04/19/17 15:00	04/20/17 01:23	1
1,1,1,2-Tetrachloroethane	ND		4.4	0.50	ug/Kg		04/19/17 15:00	04/20/17 01:23	1
1,1,2,2-Tetrachloroethane	ND		4.4	0.54	ug/Kg		04/19/17 15:00	04/20/17 01:23	1
Tetrachloroethene	ND		4.4	0.52	ug/Kg		04/19/17 15:00	04/20/17 01:23	1
Toluene	ND		4.4	0.61	ug/Kg		04/19/17 15:00	04/20/17 01:23	1
1,2,3-Trichlorobenzene	ND	F1	4.4	0.67	ug/Kg		04/19/17 15:00	04/20/17 01:23	1
1,2,4-Trichlorobenzene	ND	F1	4.4	0.65	ug/Kg		04/19/17 15:00	04/20/17 01:23	1
1,1,1-Trichloroethane	ND		4.4	0.46	ug/Kg		04/19/17 15:00	04/20/17 01:23	1
1,1,2-Trichloroethane	ND		4.4	0.78	ug/Kg		04/19/17 15:00	04/20/17 01:23	1
Trichloroethene	ND		4.4	0.20	ug/Kg		04/19/17 15:00	04/20/17 01:23	1
Trichlorofluoromethane	ND		8.9	0.92	ug/Kg		04/19/17 15:00	04/20/17 01:23	1
1,2,3-Trichloropropane	ND		4.4	0.72	ug/Kg		04/19/17 15:00	04/20/17 01:23	1
1,2,4-Trimethylbenzene	ND		4.4	0.51	ug/Kg		04/19/17 15:00	04/20/17 01:23	1
1,3,5-Trimethylbenzene	ND		4.4	0.51	ug/Kg		04/19/17 15:00	04/20/17 01:23	1
Vinyl chloride	ND		4.4	1.2	ug/Kg		04/19/17 15:00	04/20/17 01:23	1
m-Xylene & p-Xylene	ND		2.2	0.92	ug/Kg		04/19/17 15:00	04/20/17 01:23	1
o-Xylene	ND		2.2	0.54	ug/Kg		04/19/17 15:00	04/20/17 01:23	1
Xylenes, Total	ND		4.4	0.54	ug/Kg		04/19/17 15:00	04/20/17 01:23	1
Carbon tetrachloride	ND		4.4	0.56	ug/Kg		04/19/17 15:00	04/20/17 01:23	1
1,2-Dibromoethane	ND		4.4	0.46	ug/Kg		04/19/17 15:00	04/20/17 01:23	1
cis-1,3-Dichloropropene	ND		4.4	1.1	ug/Kg		04/19/17 15:00	04/20/17 01:23	1
trans-1,3-Dichloropropene	ND		4.4	0.59	ug/Kg		04/19/17 15:00	04/20/17 01:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*118*		*58 - 140*	*04/19/17 15:00*	*04/20/17 01:23*	*1*
Toluene-d8 (Surr)	*92*		*80 - 126*	*04/19/17 15:00*	*04/20/17 01:23*	*1*
4-Bromofluorobenzene (Surr)	*92*		*76 - 127*	*04/19/17 15:00*	*04/20/17 01:23*	*1*
Dibromofluoromethane (Surr)	*113*		*75 - 121*	*04/19/17 15:00*	*04/20/17 01:23*	*1*

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Denver Urban Garden, JPS

TestAmerica Job ID: 280-95601-1

Client Sample ID: ST-SO-DUP3
Date Collected: 04/06/17 00:00
Date Received: 04/06/17 16:20

Lab Sample ID: 280-95601-19
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		24	6.3	ug/Kg		04/19/17 15:00	04/20/17 03:28	1
Benzene	ND		5.9	0.55	ug/Kg		04/19/17 15:00	04/20/17 03:28	1
Bromobenzene	ND		5.9	0.58	ug/Kg		04/19/17 15:00	04/20/17 03:28	1
Chlorobromomethane	ND		5.9	0.35	ug/Kg		04/19/17 15:00	04/20/17 03:28	1
Dichlorobromomethane	ND		5.9	0.26	ug/Kg		04/19/17 15:00	04/20/17 03:28	1
Bromoform	ND	*	5.9	0.27	ug/Kg		04/19/17 15:00	04/20/17 03:28	1
Bromomethane	ND		12	0.59	ug/Kg		04/19/17 15:00	04/20/17 03:28	1
2-Butanone (MEK)	ND		24	2.2	ug/Kg		04/19/17 15:00	04/20/17 03:28	1
n-Butylbenzene	ND		5.9	0.66	ug/Kg		04/19/17 15:00	04/20/17 03:28	1
sec-Butylbenzene	ND		5.9	0.91	ug/Kg		04/19/17 15:00	04/20/17 03:28	1
tert-Butylbenzene	ND		5.9	0.59	ug/Kg		04/19/17 15:00	04/20/17 03:28	1
Chlorobenzene	ND		5.9	0.64	ug/Kg		04/19/17 15:00	04/20/17 03:28	1
Chlorodibromomethane	ND	*	5.9	0.67	ug/Kg		04/19/17 15:00	04/20/17 03:28	1
Chloroethane	ND		12	1.0	ug/Kg		04/19/17 15:00	04/20/17 03:28	1
Chloroform	ND		12	0.34	ug/Kg		04/19/17 15:00	04/20/17 03:28	1
Chloromethane	ND		12	0.91	ug/Kg		04/19/17 15:00	04/20/17 03:28	1
2-Chlorotoluene	ND		5.9	0.60	ug/Kg		04/19/17 15:00	04/20/17 03:28	1
4-Chlorotoluene	ND		5.9	0.92	ug/Kg		04/19/17 15:00	04/20/17 03:28	1
1,2-Dibromo-3-Chloropropane	ND		12	0.71	ug/Kg		04/19/17 15:00	04/20/17 03:28	1
Dibromomethane	ND		5.9	0.99	ug/Kg		04/19/17 15:00	04/20/17 03:28	1
1,2-Dichlorobenzene	ND		5.9	0.53	ug/Kg		04/19/17 15:00	04/20/17 03:28	1
1,3-Dichlorobenzene	ND		5.9	0.57	ug/Kg		04/19/17 15:00	04/20/17 03:28	1
1,4-Dichlorobenzene	ND		5.9	0.92	ug/Kg		04/19/17 15:00	04/20/17 03:28	1
Dichlorodifluoromethane	ND		12	0.61	ug/Kg		04/19/17 15:00	04/20/17 03:28	1
1,1-Dichloroethane	ND		5.9	0.25	ug/Kg		04/19/17 15:00	04/20/17 03:28	1
1,2-Dichloroethane	ND		5.9	0.82	ug/Kg		04/19/17 15:00	04/20/17 03:28	1
cis-1,2-Dichloroethene	ND		2.9	0.66	ug/Kg		04/19/17 15:00	04/20/17 03:28	1
trans-1,2-Dichloroethene	ND		2.9	0.46	ug/Kg		04/19/17 15:00	04/20/17 03:28	1
1,1-Dichloroethene	ND		5.9	0.69	ug/Kg		04/19/17 15:00	04/20/17 03:28	1
1,2-Dichloroethene, Total	ND		5.9	0.46	ug/Kg		04/19/17 15:00	04/20/17 03:28	1
1,2-Dichloropropane	ND		5.9	0.65	ug/Kg		04/19/17 15:00	04/20/17 03:28	1
1,3-Dichloropropane	ND		5.9	0.60	ug/Kg		04/19/17 15:00	04/20/17 03:28	1
2,2-Dichloropropane	ND		5.9	0.52	ug/Kg		04/19/17 15:00	04/20/17 03:28	1
1,1-Dichloropropene	ND		5.9	0.64	ug/Kg		04/19/17 15:00	04/20/17 03:28	1
Ethylbenzene	ND		5.9	0.79	ug/Kg		04/19/17 15:00	04/20/17 03:28	1
Hexachlorobutadiene	ND		5.9	0.65	ug/Kg		04/19/17 15:00	04/20/17 03:28	1
2-Hexanone	ND		24	5.8	ug/Kg		04/19/17 15:00	04/20/17 03:28	1
Isopropylbenzene	ND		5.9	0.69	ug/Kg		04/19/17 15:00	04/20/17 03:28	1
4-Isopropyltoluene	ND		5.9	0.58	ug/Kg		04/19/17 15:00	04/20/17 03:28	1
Methylene Chloride	**3.5**	**J B**	5.9	1.9	ug/Kg		04/19/17 15:00	04/20/17 03:28	1
4-Methyl-2-pentanone (MIBK)	ND		24	5.1	ug/Kg		04/19/17 15:00	04/20/17 03:28	1
Methyl tert-butyl ether	ND		24	0.40	ug/Kg		04/19/17 15:00	04/20/17 03:28	1
Naphthalene	ND		5.9	0.74	ug/Kg		04/19/17 15:00	04/20/17 03:28	1
N-Propylbenzene	ND		5.9	0.68	ug/Kg		04/19/17 15:00	04/20/17 03:28	1
Styrene	ND		5.9	0.74	ug/Kg		04/19/17 15:00	04/20/17 03:28	1
1,1,1,2-Tetrachloroethane	ND		5.9	0.66	ug/Kg		04/19/17 15:00	04/20/17 03:28	1
1,1,2,2-Tetrachloroethane	ND		5.9	0.72	ug/Kg		04/19/17 15:00	04/20/17 03:28	1
Tetrachloroethene	ND		5.9	0.69	ug/Kg		04/19/17 15:00	04/20/17 03:28	1
Toluene	ND		5.9	0.81	ug/Kg		04/19/17 15:00	04/20/17 03:28	1
1,2,3-Trichlorobenzene	ND		5.9	0.88	ug/Kg		04/19/17 15:00	04/20/17 03:28	1
1,2,4-Trichlorobenzene	ND		5.9	0.86	ug/Kg		04/19/17 15:00	04/20/17 03:28	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: ST-SO-DUP3 — **Lab Sample ID: 280-95601-19**
Date Collected: 04/06/17 00:00 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.9	0.61	ug/Kg		04/19/17 15:00	04/20/17 03:28	1
1,1,2-Trichloroethane	ND		5.9	1.0	ug/Kg		04/19/17 15:00	04/20/17 03:28	1
Trichloroethene	ND		5.9	0.27	ug/Kg		04/19/17 15:00	04/20/17 03:28	1
Trichlorofluoromethane	ND		12	1.2	ug/Kg		04/19/17 15:00	04/20/17 03:28	1
1,2,3-Trichloropropane	ND		5.9	0.95	ug/Kg		04/19/17 15:00	04/20/17 03:28	1
1,2,4-Trimethylbenzene	ND		5.9	0.68	ug/Kg		04/19/17 15:00	04/20/17 03:28	1
1,3,5-Trimethylbenzene	ND		5.9	0.67	ug/Kg		04/19/17 15:00	04/20/17 03:28	1
Vinyl chloride	ND		5.9	1.6	ug/Kg		04/19/17 15:00	04/20/17 03:28	1
m-Xylene & p-Xylene	ND		2.9	1.2	ug/Kg		04/19/17 15:00	04/20/17 03:28	1
o-Xylene	ND		2.9	0.72	ug/Kg		04/19/17 15:00	04/20/17 03:28	1
Xylenes, Total	ND		5.9	0.72	ug/Kg		04/19/17 15:00	04/20/17 03:28	1
Carbon tetrachloride	ND		5.9	0.74	ug/Kg		04/19/17 15:00	04/20/17 03:28	1
1,2-Dibromoethane	ND		5.9	0.61	ug/Kg		04/19/17 15:00	04/20/17 03:28	1
cis-1,3-Dichloropropene	ND		5.9	1.5	ug/Kg		04/19/17 15:00	04/20/17 03:28	1
trans-1,3-Dichloropropene	ND		5.9	0.79	ug/Kg		04/19/17 15:00	04/20/17 03:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*58 - 140*	*04/19/17 15:00*	*04/20/17 03:28*	*1*
Toluene-d8 (Surr)	*91*		*80 - 126*	*04/19/17 15:00*	*04/20/17 03:28*	*1*
4-Bromofluorobenzene (Surr)	*88*		*76 - 127*	*04/19/17 15:00*	*04/20/17 03:28*	*1*
Dibromofluoromethane (Surr)	*108*		*75 - 121*	*04/19/17 15:00*	*04/20/17 03:28*	*1*

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM)

Client Sample ID: NA-SO-01-00-01 — **Lab Sample ID: 280-95601-2**
Date Collected: 04/06/17 08:25 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**110000**		4600	680	ng/Kg		04/11/17 12:41	04/12/17 12:30	1
Benzo[a]anthracene	**45000**		4600	830	ng/Kg		04/11/17 12:41	04/12/17 12:30	1
Benzo[k]fluoranthene	**58000**		4600	920	ng/Kg		04/11/17 12:41	04/12/17 12:30	1
Benzo[g,h,i]perylene	**79000**		4600	1000	ng/Kg		04/11/17 12:41	04/12/17 12:30	1
Phenanthrene	**22000**		4600	1000	ng/Kg		04/11/17 12:41	04/12/17 12:30	1
Anthracene	**4100**	**J**	4600	660	ng/Kg		04/11/17 12:41	04/12/17 12:30	1
Dibenz(a,h)anthracene	**20000**		4600	1200	ng/Kg		04/11/17 12:41	04/12/17 12:30	1
Chrysene	**86000**		4600	920	ng/Kg		04/11/17 12:41	04/12/17 12:30	1
Acenaphthene	**440**	**J**	4600	150	ng/Kg		04/11/17 12:41	04/12/17 12:30	1
Acenaphthylene	**710**	**J**	4600	160	ng/Kg		04/11/17 12:41	04/12/17 12:30	1
Fluoranthene	**100000**		4600	920	ng/Kg		04/11/17 12:41	04/12/17 12:30	1
Fluorene	**620**	**J**	4600	430	ng/Kg		04/11/17 12:41	04/12/17 12:30	1
Pyrene	**85000**		4600	1000	ng/Kg		04/11/17 12:41	04/12/17 12:30	1
Indeno[1,2,3-cd]pyrene	**74000**		4600	1000	ng/Kg		04/11/17 12:41	04/12/17 12:30	1
2-Methylnaphthalene	ND		4600	290	ng/Kg		04/11/17 12:41	04/12/17 12:30	1
Naphthalene	**560**	**J**	4600	300	ng/Kg		04/11/17 12:41	04/12/17 12:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*79*		*39 - 120*	*04/11/17 12:41*	*04/12/17 12:30*	*1*
Nitrobenzene-d5	*85*		*42 - 120*	*04/11/17 12:41*	*04/12/17 12:30*	*1*
Terphenyl-d14	*83*		*35 - 124*	*04/11/17 12:41*	*04/12/17 12:30*	*1*

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM)

Client Sample ID: NA-SO-01-01-09 — **Lab Sample ID: 280-95601-3**
Date Collected: 04/06/17 09:43 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	120000		4600	1100	ng/Kg		04/11/17 12:41	04/12/17 12:56	1
Benzo[a]pyrene	99000		4600	680	ng/Kg		04/11/17 12:41	04/12/17 12:56	1
Benzo[a]anthracene	46000		4600	830	ng/Kg		04/11/17 12:41	04/12/17 12:56	1
Benzo[k]fluoranthene	42000		4600	920	ng/Kg		04/11/17 12:41	04/12/17 12:56	1
Benzo[g,h,i]perylene	65000		4600	1000	ng/Kg		04/11/17 12:41	04/12/17 12:56	1
Phenanthrene	15000		4600	1000	ng/Kg		04/11/17 12:41	04/12/17 12:56	1
Anthracene	4500	J	4600	660	ng/Kg		04/11/17 12:41	04/12/17 12:56	1
Dibenz(a,h)anthracene	17000		4600	1200	ng/Kg		04/11/17 12:41	04/12/17 12:56	1
Chrysene	63000		4600	920	ng/Kg		04/11/17 12:41	04/12/17 12:56	1
Acenaphthene	ND		4600	150	ng/Kg		04/11/17 12:41	04/12/17 12:56	1
Acenaphthylene	1000	J	4600	160	ng/Kg		04/11/17 12:41	04/12/17 12:56	1
Fluoranthene	72000		4600	920	ng/Kg		04/11/17 12:41	04/12/17 12:56	1
Fluorene	660	J	4600	430	ng/Kg		04/11/17 12:41	04/12/17 12:56	1
Pyrene	64000		4600	1000	ng/Kg		04/11/17 12:41	04/12/17 12:56	1
Indeno[1,2,3-cd]pyrene	62000		4600	1000	ng/Kg		04/11/17 12:41	04/12/17 12:56	1
2-Methylnaphthalene	750	J	4600	290	ng/Kg		04/11/17 12:41	04/12/17 12:56	1
Naphthalene	1200	J	4600	300	ng/Kg		04/11/17 12:41	04/12/17 12:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*73*		*39 - 120*	*04/11/17 12:41*	*04/12/17 12:56*	*1*
Nitrobenzene-d5	*97*		*42 - 120*	*04/11/17 12:41*	*04/12/17 12:56*	*1*
Terphenyl-d14	*81*		*35 - 124*	*04/11/17 12:41*	*04/12/17 12:56*	*1*

Client Sample ID: NA-SO-01-09-18 — **Lab Sample ID: 280-95601-4**
Date Collected: 04/06/17 09:50 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	11000		5000	1200	ng/Kg		04/11/17 12:41	04/12/17 13:22	1
Benzo[a]pyrene	7800		5000	730	ng/Kg		04/11/17 12:41	04/12/17 13:22	1
Benzo[a]anthracene	3400	J	5000	890	ng/Kg		04/11/17 12:41	04/12/17 13:22	1
Benzo[k]fluoranthene	3800	J	5000	990	ng/Kg		04/11/17 12:41	04/12/17 13:22	1
Benzo[g,h,i]perylene	5800		5000	1100	ng/Kg		04/11/17 12:41	04/12/17 13:22	1
Phenanthrene	1300	J	5000	1100	ng/Kg		04/11/17 12:41	04/12/17 13:22	1
Anthracene	ND		5000	710	ng/Kg		04/11/17 12:41	04/12/17 13:22	1
Dibenz(a,h)anthracene	1500	J	5000	1300	ng/Kg		04/11/17 12:41	04/12/17 13:22	1
Chrysene	5600		5000	990	ng/Kg		04/11/17 12:41	04/12/17 13:22	1
Acenaphthene	ND		5000	160	ng/Kg		04/11/17 12:41	04/12/17 13:22	1
Acenaphthylene	ND		5000	170	ng/Kg		04/11/17 12:41	04/12/17 13:22	1
Fluoranthene	5700		5000	990	ng/Kg		04/11/17 12:41	04/12/17 13:22	1
Fluorene	ND		5000	470	ng/Kg		04/11/17 12:41	04/12/17 13:22	1
Pyrene	5100		5000	1100	ng/Kg		04/11/17 12:41	04/12/17 13:22	1
Indeno[1,2,3-cd]pyrene	5300		5000	1100	ng/Kg		04/11/17 12:41	04/12/17 13:22	1
2-Methylnaphthalene	ND		5000	310	ng/Kg		04/11/17 12:41	04/12/17 13:22	1
Naphthalene	500	J	5000	320	ng/Kg		04/11/17 12:41	04/12/17 13:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*64*		*39 - 120*	*04/11/17 12:41*	*04/12/17 13:22*	*1*
Nitrobenzene-d5	*78*		*42 - 120*	*04/11/17 12:41*	*04/12/17 13:22*	*1*
Terphenyl-d14	*64*		*35 - 124*	*04/11/17 12:41*	*04/12/17 13:22*	*1*

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Denver Urban Garden, JPS

TestAmerica Job ID: 280-95601-1

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM)

Client Sample ID: NA-SO-02-00-01
Date Collected: 04/06/17 09:36
Date Received: 04/06/17 16:20

Lab Sample ID: 280-95601-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	140000		4700	850	ng/Kg		04/11/17 12:41	04/12/17 13:48	1
Benzo[k]fluoranthene	140000		4700	950	ng/Kg		04/11/17 12:41	04/12/17 13:48	1
Phenanthrene	59000		4700	1000	ng/Kg		04/11/17 12:41	04/12/17 13:48	1
Anthracene	16000		4700	680	ng/Kg		04/11/17 12:41	04/12/17 13:48	1
Dibenz(a,h)anthracene	48000		4700	1200	ng/Kg		04/11/17 12:41	04/12/17 13:48	1
Acenaphthene	1700	J	4700	150	ng/Kg		04/11/17 12:41	04/12/17 13:48	1
Acenaphthylene	2700	J	4700	160	ng/Kg		04/11/17 12:41	04/12/17 13:48	1
Fluorene	2200	J	4700	440	ng/Kg		04/11/17 12:41	04/12/17 13:48	1
2-Methylnaphthalene	1400	J	4700	290	ng/Kg		04/11/17 12:41	04/12/17 13:48	1
Naphthalene	2600	J	4700	310	ng/Kg		04/11/17 12:41	04/12/17 13:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*78*		*39 - 120*	*04/11/17 12:41*	*04/12/17 13:48*	*1*
Nitrobenzene-d5	*114*		*42 - 120*	*04/11/17 12:41*	*04/12/17 13:48*	*1*
Terphenyl-d14	*98*		*35 - 124*	*04/11/17 12:41*	*04/12/17 13:48*	*1*

Client Sample ID: NA-SO-02-01-09
Date Collected: 04/06/17 09:36
Date Received: 04/06/17 16:20

Lab Sample ID: 280-95601-7
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	54000	F1	4900	1200	ng/Kg		04/11/17 12:41	04/12/17 14:13	1
Benzo[a]pyrene	38000	F1	4900	720	ng/Kg		04/11/17 12:41	04/12/17 14:13	1
Benzo[a]anthracene	17000	F1	4900	880	ng/Kg		04/11/17 12:41	04/12/17 14:13	1
Benzo[k]fluoranthene	16000	F1	4900	970	ng/Kg		04/11/17 12:41	04/12/17 14:13	1
Benzo[g,h,i]perylene	25000		4900	1100	ng/Kg		04/11/17 12:41	04/12/17 14:13	1
Phenanthrene	8500		4900	1100	ng/Kg		04/11/17 12:41	04/12/17 14:13	1
Anthracene	2000	J	4900	700	ng/Kg		04/11/17 12:41	04/12/17 14:13	1
Dibenz(a,h)anthracene	6500		4900	1300	ng/Kg		04/11/17 12:41	04/12/17 14:13	1
Chrysene	28000		4900	970	ng/Kg		04/11/17 12:41	04/12/17 14:13	1
Acenaphthene	ND		4900	160	ng/Kg		04/11/17 12:41	04/12/17 14:13	1
Acenaphthylene	710	J	4900	170	ng/Kg		04/11/17 12:41	04/12/17 14:13	1
Fluoranthene	36000	F1	4900	970	ng/Kg		04/11/17 12:41	04/12/17 14:13	1
Fluorene	500	J	4900	460	ng/Kg		04/11/17 12:41	04/12/17 14:13	1
Pyrene	32000	F1	4900	1100	ng/Kg		04/11/17 12:41	04/12/17 14:13	1
Indeno[1,2,3-cd]pyrene	25000	F1	4900	1100	ng/Kg		04/11/17 12:41	04/12/17 14:13	1
2-Methylnaphthalene	1100	J	4900	300	ng/Kg		04/11/17 12:41	04/12/17 14:13	1
Naphthalene	1500	J	4900	320	ng/Kg		04/11/17 12:41	04/12/17 14:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*66*		*39 - 120*	*04/11/17 12:41*	*04/12/17 14:13*	*1*
Nitrobenzene-d5	*82*		*42 - 120*	*04/11/17 12:41*	*04/12/17 14:13*	*1*
Terphenyl-d14	*80*		*35 - 124*	*04/11/17 12:41*	*04/12/17 14:13*	*1*

Client Sample ID: NA-SO-02-09-18
Date Collected: 04/06/17 09:48
Date Received: 04/06/17 16:20

Lab Sample ID: 280-95601-8
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	12000		4700	1100	ng/Kg		04/11/17 12:41	04/12/17 15:31	1
Benzo[a]pyrene	7700		4700	700	ng/Kg		04/11/17 12:41	04/12/17 15:31	1
Benzo[a]anthracene	3300	J	4700	850	ng/Kg		04/11/17 12:41	04/12/17 15:31	1

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Client Sample ID: NA-SO-02-09-18 — **Lab Sample ID: 280-95601-8**
Date Collected: 04/06/17 09:48 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	4000	J	4700	950	ng/Kg		04/11/17 12:41	04/12/17 15:31	1
Benzo[g,h,i]perylene	5700		4700	1000	ng/Kg		04/11/17 12:41	04/12/17 15:31	1
Phenanthrene	2400	J	4700	1000	ng/Kg		04/11/17 12:41	04/12/17 15:31	1
Anthracene	ND		4700	680	ng/Kg		04/11/17 12:41	04/12/17 15:31	1
Dibenz(a,h)anthracene	1700	J	4700	1200	ng/Kg		04/11/17 12:41	04/12/17 15:31	1
Chrysene	6600		4700	950	ng/Kg		04/11/17 12:41	04/12/17 15:31	1
Acenaphthene	ND		4700	150	ng/Kg		04/11/17 12:41	04/12/17 15:31	1
Acenaphthylene	ND		4700	160	ng/Kg		04/11/17 12:41	04/12/17 15:31	1
Fluoranthene	7700		4700	950	ng/Kg		04/11/17 12:41	04/12/17 15:31	1
Fluorene	ND		4700	450	ng/Kg		04/11/17 12:41	04/12/17 15:31	1
Pyrene	6400		4700	1000	ng/Kg		04/11/17 12:41	04/12/17 15:31	1
Indeno[1,2,3-cd]pyrene	5600		4700	1000	ng/Kg		04/11/17 12:41	04/12/17 15:31	1
2-Methylnaphthalene	660	J	4700	290	ng/Kg		04/11/17 12:41	04/12/17 15:31	1
Naphthalene	1100	J	4700	310	ng/Kg		04/11/17 12:41	04/12/17 15:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*71*		*39 - 120*	*04/11/17 12:41*	*04/12/17 15:31*	*1*
Nitrobenzene-d5	*97*		*42 - 120*	*04/11/17 12:41*	*04/12/17 15:31*	*1*
Terphenyl-d14	*97*		*35 - 124*	*04/11/17 12:41*	*04/12/17 15:31*	*1*

Client Sample ID: NA-SO-DUP1 — **Lab Sample ID: 280-95601-10**
Date Collected: 04/06/17 00:00 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	120000		4900	720	ng/Kg		04/11/17 12:41	04/12/17 15:57	1
Benzo[a]anthracene	54000		4900	870	ng/Kg		04/11/17 12:41	04/12/17 15:57	1
Benzo[k]fluoranthene	61000		4900	970	ng/Kg		04/11/17 12:41	04/12/17 15:57	1
Benzo[g,h,i]perylene	85000		4900	1100	ng/Kg		04/11/17 12:41	04/12/17 15:57	1
Phenanthrene	24000		4900	1100	ng/Kg		04/11/17 12:41	04/12/17 15:57	1
Anthracene	5600		4900	700	ng/Kg		04/11/17 12:41	04/12/17 15:57	1
Dibenz(a,h)anthracene	22000		4900	1300	ng/Kg		04/11/17 12:41	04/12/17 15:57	1
Chrysene	100000		4900	970	ng/Kg		04/11/17 12:41	04/12/17 15:57	1
Acenaphthene	500	J	4900	160	ng/Kg		04/11/17 12:41	04/12/17 15:57	1
Acenaphthylene	1100	J	4900	170	ng/Kg		04/11/17 12:41	04/12/17 15:57	1
Fluoranthene	120000		4900	970	ng/Kg		04/11/17 12:41	04/12/17 15:57	1
Fluorene	910	J	4900	460	ng/Kg		04/11/17 12:41	04/12/17 15:57	1
Pyrene	100000		4900	1100	ng/Kg		04/11/17 12:41	04/12/17 15:57	1
Indeno[1,2,3-cd]pyrene	83000		4900	1100	ng/Kg		04/11/17 12:41	04/12/17 15:57	1
2-Methylnaphthalene	440	J	4900	300	ng/Kg		04/11/17 12:41	04/12/17 15:57	1
Naphthalene	680	J	4900	320	ng/Kg		04/11/17 12:41	04/12/17 15:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*72*		*39 - 120*	*04/11/17 12:41*	*04/12/17 15:57*	*1*
Nitrobenzene-d5	*94*		*42 - 120*	*04/11/17 12:41*	*04/12/17 15:57*	*1*
Terphenyl-d14	*91*		*35 - 124*	*04/11/17 12:41*	*04/12/17 15:57*	*1*

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM)

Client Sample ID: ST-SO-01-00-01
Date Collected: 04/06/17 12:00
Date Received: 04/06/17 16:20

Lab Sample ID: 280-95601-13
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	57000		4900	1200	ng/Kg		04/11/17 12:41	04/12/17 16:23	1
Benzo[a]pyrene	48000		4900	730	ng/Kg		04/11/17 12:41	04/12/17 16:23	1
Benzo[a]anthracene	26000		4900	890	ng/Kg		04/11/17 12:41	04/12/17 16:23	1
Benzo[k]fluoranthene	19000		4900	990	ng/Kg		04/11/17 12:41	04/12/17 16:23	1
Benzo[g,h,i]perylene	27000		4900	1100	ng/Kg		04/11/17 12:41	04/12/17 16:23	1
Phenanthrene	16000		4900	1100	ng/Kg		04/11/17 12:41	04/12/17 16:23	1
Anthracene	4100	J	4900	710	ng/Kg		04/11/17 12:41	04/12/17 16:23	1
Dibenz(a,h)anthracene	7800		4900	1300	ng/Kg		04/11/17 12:41	04/12/17 16:23	1
Chrysene	33000		4900	990	ng/Kg		04/11/17 12:41	04/12/17 16:23	1
Acenaphthene	1400	J	4900	160	ng/Kg		04/11/17 12:41	04/12/17 16:23	1
Acenaphthylene	1800	J	4900	170	ng/Kg		04/11/17 12:41	04/12/17 16:23	1
Fluoranthene	47000		4900	990	ng/Kg		04/11/17 12:41	04/12/17 16:23	1
Fluorene	1200	J	4900	460	ng/Kg		04/11/17 12:41	04/12/17 16:23	1
Pyrene	41000		4900	1100	ng/Kg		04/11/17 12:41	04/12/17 16:23	1
Indeno[1,2,3-cd]pyrene	27000		4900	1100	ng/Kg		04/11/17 12:41	04/12/17 16:23	1
2-Methylnaphthalene	1300	J	4900	300	ng/Kg		04/11/17 12:41	04/12/17 16:23	1
Naphthalene	2000	J	4900	320	ng/Kg		04/11/17 12:41	04/12/17 16:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*74*		*39 - 120*	*04/11/17 12:41*	*04/12/17 16:23*	*1*
Nitrobenzene-d5	*110*		*42 - 120*	*04/11/17 12:41*	*04/12/17 16:23*	*1*
Terphenyl-d14	*89*		*35 - 124*	*04/11/17 12:41*	*04/12/17 16:23*	*1*

Client Sample ID: ST-SO-01-01-09
Date Collected: 04/06/17 12:10
Date Received: 04/06/17 16:20

Lab Sample ID: 280-95601-14
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	59000	F1 F2	5000	1200	ng/Kg		04/11/17 12:41	04/12/17 16:49	1
Benzo[a]pyrene	47000	F1 F2	5000	730	ng/Kg		04/11/17 12:41	04/12/17 16:49	1
Benzo[a]anthracene	27000	F1	5000	890	ng/Kg		04/11/17 12:41	04/12/17 16:49	1
Benzo[k]fluoranthene	22000	F1	5000	990	ng/Kg		04/11/17 12:41	04/12/17 16:49	1
Benzo[g,h,i]perylene	27000	F1	5000	1100	ng/Kg		04/11/17 12:41	04/12/17 16:49	1
Phenanthrene	18000	F1	5000	1100	ng/Kg		04/11/17 12:41	04/12/17 16:49	1
Anthracene	4600	J F1	5000	710	ng/Kg		04/11/17 12:41	04/12/17 16:49	1
Dibenz(a,h)anthracene	7800	F1	5000	1300	ng/Kg		04/11/17 12:41	04/12/17 16:49	1
Chrysene	34000	F1	5000	990	ng/Kg		04/11/17 12:41	04/12/17 16:49	1
Acenaphthene	1700	J	5000	160	ng/Kg		04/11/17 12:41	04/12/17 16:49	1
Acenaphthylene	1900	J	5000	170	ng/Kg		04/11/17 12:41	04/12/17 16:49	1
Fluoranthene	52000	F1 F2	5000	990	ng/Kg		04/11/17 12:41	04/12/17 16:49	1
Fluorene	1500	J	5000	470	ng/Kg		04/11/17 12:41	04/12/17 16:49	1
Pyrene	46000	F1 F2	5000	1100	ng/Kg		04/11/17 12:41	04/12/17 16:49	1
Indeno[1,2,3-cd]pyrene	26000	F1	5000	1100	ng/Kg		04/11/17 12:41	04/12/17 16:49	1
2-Methylnaphthalene	1000	J	5000	310	ng/Kg		04/11/17 12:41	04/12/17 16:49	1
Naphthalene	1600	J	5000	320	ng/Kg		04/11/17 12:41	04/12/17 16:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*76*		*39 - 120*	*04/11/17 12:41*	*04/12/17 16:49*	*1*
Nitrobenzene-d5	*115*		*42 - 120*	*04/11/17 12:41*	*04/12/17 16:49*	*1*
Terphenyl-d14	*89*		*35 - 124*	*04/11/17 12:41*	*04/12/17 16:49*	*1*

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM)

Client Sample ID: ST-SO-01-09-18
Date Collected: 04/06/17 12:35
Date Received: 04/06/17 16:20

Lab Sample ID: 280-95601-15
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	30000		4800	1100	ng/Kg		04/11/17 12:41	04/12/17 18:06	1
Benzo[a]pyrene	24000		4800	700	ng/Kg		04/11/17 12:41	04/12/17 18:06	1
Benzo[a]anthracene	13000		4800	860	ng/Kg		04/11/17 12:41	04/12/17 18:06	1
Benzo[k]fluoranthene	10000		4800	950	ng/Kg		04/11/17 12:41	04/12/17 18:06	1
Benzo[g,h,i]perylene	14000		4800	1000	ng/Kg		04/11/17 12:41	04/12/17 18:06	1
Phenanthrene	10000		4800	1000	ng/Kg		04/11/17 12:41	04/12/17 18:06	1
Anthracene	2400	J	4800	690	ng/Kg		04/11/17 12:41	04/12/17 18:06	1
Dibenz(a,h)anthracene	4700	J	4800	1200	ng/Kg		04/11/17 12:41	04/12/17 18:06	1
Chrysene	17000		4800	950	ng/Kg		04/11/17 12:41	04/12/17 18:06	1
Acenaphthene	1000	J	4800	150	ng/Kg		04/11/17 12:41	04/12/17 18:06	1
Acenaphthylene	920	J	4800	160	ng/Kg		04/11/17 12:41	04/12/17 18:06	1
Fluoranthene	27000		4800	950	ng/Kg		04/11/17 12:41	04/12/17 18:06	1
Fluorene	1100	J	4800	450	ng/Kg		04/11/17 12:41	04/12/17 18:06	1
Pyrene	23000		4800	1000	ng/Kg		04/11/17 12:41	04/12/17 18:06	1
Indeno[1,2,3-cd]pyrene	14000		4800	1000	ng/Kg		04/11/17 12:41	04/12/17 18:06	1
2-Methylnaphthalene	1100	J	4800	290	ng/Kg		04/11/17 12:41	04/12/17 18:06	1
Naphthalene	1200	J	4800	310	ng/Kg		04/11/17 12:41	04/12/17 18:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*82*		*39 - 120*	*04/11/17 12:41*	*04/12/17 18:06*	*1*
Nitrobenzene-d5	*117*		*42 - 120*	*04/11/17 12:41*	*04/12/17 18:06*	*1*
Terphenyl-d14	*93*		*35 - 124*	*04/11/17 12:41*	*04/12/17 18:06*	*1*

Client Sample ID: ST-SO-DUP2
Date Collected: 04/06/17 00:00
Date Received: 04/06/17 16:20

Lab Sample ID: 280-95601-18
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	40000		4900	1200	ng/Kg		04/11/17 12:41	04/12/17 18:32	1
Benzo[a]pyrene	31000		4900	720	ng/Kg		04/11/17 12:41	04/12/17 18:32	1
Benzo[a]anthracene	16000		4900	880	ng/Kg		04/11/17 12:41	04/12/17 18:32	1
Benzo[k]fluoranthene	13000		4900	980	ng/Kg		04/11/17 12:41	04/12/17 18:32	1
Benzo[g,h,i]perylene	18000		4900	1100	ng/Kg		04/11/17 12:41	04/12/17 18:32	1
Phenanthrene	16000		4900	1100	ng/Kg		04/11/17 12:41	04/12/17 18:32	1
Anthracene	3100	J	4900	700	ng/Kg		04/11/17 12:41	04/12/17 18:32	1
Dibenz(a,h)anthracene	4200	J	4900	1300	ng/Kg		04/11/17 12:41	04/12/17 18:32	1
Chrysene	26000		4900	980	ng/Kg		04/11/17 12:41	04/12/17 18:32	1
Acenaphthene	1200	J	4900	160	ng/Kg		04/11/17 12:41	04/12/17 18:32	1
Acenaphthylene	1200	J	4900	170	ng/Kg		04/11/17 12:41	04/12/17 18:32	1
Fluoranthene	45000		4900	980	ng/Kg		04/11/17 12:41	04/12/17 18:32	1
Fluorene	1000	J	4900	460	ng/Kg		04/11/17 12:41	04/12/17 18:32	1
Pyrene	41000		4900	1100	ng/Kg		04/11/17 12:41	04/12/17 18:32	1
Indeno[1,2,3-cd]pyrene	17000		4900	1100	ng/Kg		04/11/17 12:41	04/12/17 18:32	1
2-Methylnaphthalene	890	J	4900	300	ng/Kg		04/11/17 12:41	04/12/17 18:32	1
Naphthalene	1400	J	4900	320	ng/Kg		04/11/17 12:41	04/12/17 18:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*39 - 120*	*04/11/17 12:41*	*04/12/17 18:32*	*1*
Nitrobenzene-d5	*112*		*42 - 120*	*04/11/17 12:41*	*04/12/17 18:32*	*1*
Terphenyl-d14	*89*		*35 - 124*	*04/11/17 12:41*	*04/12/17 18:32*	*1*

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM) - DL

Client Sample ID: NA-SO-01-00-01 — **Lab Sample ID: 280-95601-2**
Date Collected: 04/06/17 08:25 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	160000		9200	2200	ng/Kg		04/11/17 12:41	04/12/17 18:58	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*70*		*39 - 120*	*04/11/17 12:41*	*04/12/17 18:58*	*2*
Nitrobenzene-d5	*90*		*42 - 120*	*04/11/17 12:41*	*04/12/17 18:58*	*2*
Terphenyl-d14	*83*		*35 - 124*	*04/11/17 12:41*	*04/12/17 18:58*	*2*

Client Sample ID: NA-SO-02-00-01 — **Lab Sample ID: 280-95601-6**
Date Collected: 04/06/17 09:36 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	340000		24000	5700	ng/Kg		04/11/17 12:41	04/12/17 19:24	5
Benzo[a]pyrene	260000		24000	3500	ng/Kg		04/11/17 12:41	04/12/17 19:24	5
Benzo[g,h,i]perylene	150000		24000	5200	ng/Kg		04/11/17 12:41	04/12/17 19:24	5
Chrysene	190000		24000	4700	ng/Kg		04/11/17 12:41	04/12/17 19:24	5
Fluoranthene	250000		24000	4700	ng/Kg		04/11/17 12:41	04/12/17 19:24	5
Pyrene	210000		24000	5200	ng/Kg		04/11/17 12:41	04/12/17 19:24	5
Indeno[1,2,3-cd]pyrene	150000		24000	5200	ng/Kg		04/11/17 12:41	04/12/17 19:24	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*71*	*D*	*39 - 120*	*04/11/17 12:41*	*04/12/17 19:24*	*5*
Nitrobenzene-d5	*100*	*D*	*42 - 120*	*04/11/17 12:41*	*04/12/17 19:24*	*5*
Terphenyl-d14	*92*	*D*	*35 - 124*	*04/11/17 12:41*	*04/12/17 19:24*	*5*

Client Sample ID: NA-SO-DUP1 — **Lab Sample ID: 280-95601-10**
Date Collected: 04/06/17 00:00 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	120000		9700	2300	ng/Kg		04/11/17 12:41	04/13/17 12:09	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*74*		*39 - 120*	*04/11/17 12:41*	*04/13/17 12:09*	*2*
Nitrobenzene-d5	*57*		*42 - 120*	*04/11/17 12:41*	*04/13/17 12:09*	*2*
Terphenyl-d14	*83*		*35 - 124*	*04/11/17 12:41*	*04/13/17 12:09*	*2*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Client Sample ID: NA-EB-20170406 — **Lab Sample ID: 280-95601-1**
Date Collected: 04/06/17 09:00 — **Matrix: Water**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		4.1	0.30	ug/L		04/09/17 09:10	04/11/17 23:19	1
Acenaphthene	ND		4.1	0.29	ug/L		04/09/17 09:10	04/11/17 23:19	1
Acenaphthylene	ND		4.1	0.51	ug/L		04/09/17 09:10	04/11/17 23:19	1
Anthracene	ND		4.1	0.43	ug/L		04/09/17 09:10	04/11/17 23:19	1
Benzo[a]anthracene	ND		4.1	0.36	ug/L		04/09/17 09:10	04/11/17 23:19	1
Benzo[a]pyrene	ND		4.1	0.32	ug/L		04/09/17 09:10	04/11/17 23:19	1
Benzo[b]fluoranthene	ND		4.1	0.55	ug/L		04/09/17 09:10	04/11/17 23:19	1
Benzo[g,h,i]perylene	ND		4.1	0.52	ug/L		04/09/17 09:10	04/11/17 23:19	1
Benzo[k]fluoranthene	ND		4.1	0.47	ug/L		04/09/17 09:10	04/11/17 23:19	1
Chrysene	ND		4.1	0.56	ug/L		04/09/17 09:10	04/11/17 23:19	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: NA-EB-20170406 — **Lab Sample ID: 280-95601-1**
Date Collected: 04/06/17 09:00 — **Matrix: Water**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		4.1	0.53	ug/L		04/09/17 09:10	04/11/17 23:19	1
Fluoranthene	ND		4.1	0.21	ug/L		04/09/17 09:10	04/11/17 23:19	1
Fluorene	ND		4.1	0.32	ug/L		04/09/17 09:10	04/11/17 23:19	1
Indeno[1,2,3-cd]pyrene	ND		4.1	0.67	ug/L		04/09/17 09:10	04/11/17 23:19	1
Naphthalene	ND		4.1	0.30	ug/L		04/09/17 09:10	04/11/17 23:19	1
Phenanthrene	ND		4.1	0.27	ug/L		04/09/17 09:10	04/11/17 23:19	1
Pyrene	ND		10	0.38	ug/L		04/09/17 09:10	04/11/17 23:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*74*		*48 - 135*	*04/09/17 09:10*	*04/11/17 23:19*	*1*
Nitrobenzene-d5	*79*		*42 - 135*	*04/09/17 09:10*	*04/11/17 23:19*	*1*
Terphenyl-d14	*83*		*20 - 135*	*04/09/17 09:10*	*04/11/17 23:19*	*1*

Client Sample ID: ST-EB-20170406 — **Lab Sample ID: 280-95601-12**
Date Collected: 04/06/17 11:40 — **Matrix: Water**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		4.4	0.32	ug/L		04/09/17 09:10	04/11/17 23:47	1
Acenaphthene	ND		4.4	0.31	ug/L		04/09/17 09:10	04/11/17 23:47	1
Acenaphthylene	ND		4.4	0.54	ug/L		04/09/17 09:10	04/11/17 23:47	1
Anthracene	ND		4.4	0.46	ug/L		04/09/17 09:10	04/11/17 23:47	1
Benzo[a]anthracene	ND		4.4	0.39	ug/L		04/09/17 09:10	04/11/17 23:47	1
Benzo[a]pyrene	ND		4.4	0.34	ug/L		04/09/17 09:10	04/11/17 23:47	1
Benzo[b]fluoranthene	ND		4.4	0.58	ug/L		04/09/17 09:10	04/11/17 23:47	1
Benzo[g,h,i]perylene	ND		4.4	0.55	ug/L		04/09/17 09:10	04/11/17 23:47	1
Benzo[k]fluoranthene	ND		4.4	0.51	ug/L		04/09/17 09:10	04/11/17 23:47	1
Chrysene	ND		4.4	0.59	ug/L		04/09/17 09:10	04/11/17 23:47	1
Dibenz(a,h)anthracene	ND		4.4	0.56	ug/L		04/09/17 09:10	04/11/17 23:47	1
Fluoranthene	ND		4.4	0.22	ug/L		04/09/17 09:10	04/11/17 23:47	1
Fluorene	ND		4.4	0.34	ug/L		04/09/17 09:10	04/11/17 23:47	1
Indeno[1,2,3-cd]pyrene	ND		4.4	0.72	ug/L		04/09/17 09:10	04/11/17 23:47	1
Naphthalene	ND		4.4	0.32	ug/L		04/09/17 09:10	04/11/17 23:47	1
Phenanthrene	ND		4.4	0.29	ug/L		04/09/17 09:10	04/11/17 23:47	1
Pyrene	ND		11	0.41	ug/L		04/09/17 09:10	04/11/17 23:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*64*		*48 - 135*	*04/09/17 09:10*	*04/11/17 23:47*	*1*
Nitrobenzene-d5	*67*		*42 - 135*	*04/09/17 09:10*	*04/11/17 23:47*	*1*
Terphenyl-d14	*92*		*20 - 135*	*04/09/17 09:10*	*04/11/17 23:47*	*1*

Method: 8081A - Organochlorine Pesticides (GC)

Client Sample ID: NA-EB-20170406 — **Lab Sample ID: 280-95601-1**
Date Collected: 04/06/17 09:00 — **Matrix: Water**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.053	0.0025	ug/L		04/12/17 08:34	04/15/17 04:07	1
alpha-BHC	ND		0.053	0.0021	ug/L		04/12/17 08:34	04/15/17 04:07	1
beta-BHC	ND		0.053	0.0096	ug/L		04/12/17 08:34	04/15/17 04:07	1
delta-BHC	ND		0.053	0.0083	ug/L		04/12/17 08:34	04/15/17 04:07	1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Client Sample ID: NA-EB-20170406
Date Collected: 04/06/17 09:00
Date Received: 04/06/17 16:20

Lab Sample ID: 280-95601-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-BHC (Lindane)	ND		0.053	0.0038	ug/L		04/12/17 08:34	04/15/17 04:07	1
Chlordane (n.o.s.)	ND		0.53	0.13	ug/L		04/12/17 08:34	04/15/17 04:07	1
4,4'-DDD	ND		0.053	0.0045	ug/L		04/12/17 08:34	04/15/17 04:07	1
4,4'-DDE	ND		0.053	0.0045	ug/L		04/12/17 08:34	04/15/17 04:07	1
4,4'-DDT	ND		0.053	0.0032	ug/L		04/12/17 08:34	04/15/17 04:07	1
Dieldrin	ND		0.053	0.0049	ug/L		04/12/17 08:34	04/15/17 04:07	1
Endosulfan I	ND		0.053	0.0023	ug/L		04/12/17 08:34	04/15/17 04:07	1
Endosulfan II	ND		0.053	0.0070	ug/L		04/12/17 08:34	04/15/17 04:07	1
Endosulfan sulfate	ND		0.053	0.0052	ug/L		04/12/17 08:34	04/15/17 04:07	1
Endrin	ND		0.053	0.0025	ug/L		04/12/17 08:34	04/15/17 04:07	1
Endrin aldehyde	ND		0.053	0.0042	ug/L		04/12/17 08:34	04/15/17 04:07	1
Heptachlor	ND		0.053	0.011	ug/L		04/12/17 08:34	04/15/17 04:07	1
Heptachlor epoxide	ND		0.053	0.0034	ug/L		04/12/17 08:34	04/15/17 04:07	1
Methoxychlor	ND		0.11	0.015	ug/L		04/12/17 08:34	04/15/17 04:07	1
Toxaphene	ND		2.1	0.45	ug/L		04/12/17 08:34	04/15/17 04:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*91*		*34 - 122*	*04/12/17 08:34*	*04/15/17 04:07*	*1*
Tetrachloro-m-xylene	*82*		*28 - 115*	*04/12/17 08:34*	*04/15/17 04:07*	*1*

Client Sample ID: ST-EB-20170406
Date Collected: 04/06/17 11:40
Date Received: 04/06/17 16:20

Lab Sample ID: 280-95601-12
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.054	0.0026	ug/L		04/12/17 08:34	04/15/17 04:24	1
alpha-BHC	ND		0.054	0.0021	ug/L		04/12/17 08:34	04/15/17 04:24	1
beta-BHC	ND		0.054	0.0098	ug/L		04/12/17 08:34	04/15/17 04:24	1
delta-BHC	ND		0.054	0.0084	ug/L		04/12/17 08:34	04/15/17 04:24	1
gamma-BHC (Lindane)	ND		0.054	0.0039	ug/L		04/12/17 08:34	04/15/17 04:24	1
Chlordane (n.o.s.)	ND		0.54	0.13	ug/L		04/12/17 08:34	04/15/17 04:24	1
4,4'-DDD	ND		0.054	0.0045	ug/L		04/12/17 08:34	04/15/17 04:24	1
4,4'-DDE	ND		0.054	0.0045	ug/L		04/12/17 08:34	04/15/17 04:24	1
4,4'-DDT	ND		0.054	0.0032	ug/L		04/12/17 08:34	04/15/17 04:24	1
Dieldrin	ND		0.054	0.0049	ug/L		04/12/17 08:34	04/15/17 04:24	1
Endosulfan I	ND		0.054	0.0024	ug/L		04/12/17 08:34	04/15/17 04:24	1
Endosulfan II	ND		0.054	0.0071	ug/L		04/12/17 08:34	04/15/17 04:24	1
Endosulfan sulfate	ND		0.054	0.0053	ug/L		04/12/17 08:34	04/15/17 04:24	1
Endrin	ND		0.054	0.0026	ug/L		04/12/17 08:34	04/15/17 04:24	1
Endrin aldehyde	ND		0.054	0.0043	ug/L		04/12/17 08:34	04/15/17 04:24	1
Heptachlor	ND		0.054	0.011	ug/L		04/12/17 08:34	04/15/17 04:24	1
Heptachlor epoxide	ND		0.054	0.0034	ug/L		04/12/17 08:34	04/15/17 04:24	1
Methoxychlor	ND		0.11	0.015	ug/L		04/12/17 08:34	04/15/17 04:24	1
Toxaphene	ND		2.1	0.45	ug/L		04/12/17 08:34	04/15/17 04:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*86*		*34 - 122*	*04/12/17 08:34*	*04/15/17 04:24*	*1*
Tetrachloro-m-xylene	*83*		*28 - 115*	*04/12/17 08:34*	*04/15/17 04:24*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Client Sample ID: NA-SO-01-00-01
Date Collected: 04/06/17 08:25
Date Received: 04/06/17 16:20

Lab Sample ID: 280-95601-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan I	ND		1.7	0.17	ug/Kg		04/11/17 10:20	04/16/17 05:42	1
Endosulfan II	ND		1.7	0.28	ug/Kg		04/11/17 10:20	04/16/17 05:42	1
Endosulfan sulfate	ND		1.7	0.27	ug/Kg		04/11/17 10:20	04/16/17 05:42	1
Endrin	ND		1.7	0.30	ug/Kg		04/11/17 10:20	04/16/17 05:42	1
Endrin aldehyde	ND		1.7	0.17	ug/Kg		04/11/17 10:20	04/16/17 05:42	1
Endrin ketone	ND		1.7	0.47	ug/Kg		04/11/17 10:20	04/16/17 05:42	1
beta-BHC	ND		1.7	0.64	ug/Kg		04/11/17 10:20	04/16/17 05:42	1
alpha-BHC	ND		1.7	0.21	ug/Kg		04/11/17 10:20	04/16/17 05:42	1
delta-BHC	ND		1.7	0.39	ug/Kg		04/11/17 10:20	04/16/17 05:42	1
gamma-BHC (Lindane)	ND		1.7	0.45	ug/Kg		04/11/17 10:20	04/16/17 05:42	1
gamma-Chlordane	ND		1.7	0.26	ug/Kg		04/11/17 10:20	04/16/17 05:42	1
4,4'-DDD	ND		1.7	0.53	ug/Kg		04/11/17 10:20	04/16/17 05:42	1
4,4'-DDE	ND		1.7	0.23	ug/Kg		04/11/17 10:20	04/16/17 05:42	1
4,4'-DDT	ND		1.7	0.57	ug/Kg		04/11/17 10:20	04/16/17 05:42	1
Heptachlor	ND		1.7	0.21	ug/Kg		04/11/17 10:20	04/16/17 05:42	1
Heptachlor epoxide	ND		1.7	0.41	ug/Kg		04/11/17 10:20	04/16/17 05:42	1
Dieldrin	ND		1.7	0.20	ug/Kg		04/11/17 10:20	04/16/17 05:42	1
Aldrin	ND		1.7	0.24	ug/Kg		04/11/17 10:20	04/16/17 05:42	1
Methoxychlor	ND		3.2	0.44	ug/Kg		04/11/17 10:20	04/16/17 05:42	1
Toxaphene	ND		65	15	ug/Kg		04/11/17 10:20	04/16/17 05:42	1
alpha-Chlordane	ND		1.7	0.31	ug/Kg		04/11/17 10:20	04/16/17 05:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*104*		*63 - 124*	*04/11/17 10:20*	*04/16/17 05:42*	*1*
Tetrachloro-m-xylene	*80*		*59 - 115*	*04/11/17 10:20*	*04/16/17 05:42*	*1*

Client Sample ID: NA-SO-01-01-09
Date Collected: 04/06/17 09:43
Date Received: 04/06/17 16:20

Lab Sample ID: 280-95601-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan I	ND		1.7	0.17	ug/Kg		04/11/17 10:20	04/16/17 05:59	1
Endosulfan II	ND		1.7	0.28	ug/Kg		04/11/17 10:20	04/16/17 05:59	1
Endosulfan sulfate	ND		1.7	0.27	ug/Kg		04/11/17 10:20	04/16/17 05:59	1
Endrin	ND		1.7	0.30	ug/Kg		04/11/17 10:20	04/16/17 05:59	1
Endrin aldehyde	ND		1.7	0.17	ug/Kg		04/11/17 10:20	04/16/17 05:59	1
Endrin ketone	ND		1.7	0.48	ug/Kg		04/11/17 10:20	04/16/17 05:59	1
beta-BHC	ND		1.7	0.65	ug/Kg		04/11/17 10:20	04/16/17 05:59	1
alpha-BHC	ND		1.7	0.21	ug/Kg		04/11/17 10:20	04/16/17 05:59	1
delta-BHC	ND		1.7	0.39	ug/Kg		04/11/17 10:20	04/16/17 05:59	1
gamma-BHC (Lindane)	ND		1.7	0.45	ug/Kg		04/11/17 10:20	04/16/17 05:59	1
gamma-Chlordane	ND		1.7	0.26	ug/Kg		04/11/17 10:20	04/16/17 05:59	1
4,4'-DDD	ND		1.7	0.54	ug/Kg		04/11/17 10:20	04/16/17 05:59	1
4,4'-DDE	ND		1.7	0.23	ug/Kg		04/11/17 10:20	04/16/17 05:59	1
4,4'-DDT	ND		1.7	0.58	ug/Kg		04/11/17 10:20	04/16/17 05:59	1
Heptachlor	ND		1.7	0.21	ug/Kg		04/11/17 10:20	04/16/17 05:59	1
Heptachlor epoxide	ND		1.7	0.42	ug/Kg		04/11/17 10:20	04/16/17 05:59	1
Dieldrin	ND		1.7	0.21	ug/Kg		04/11/17 10:20	04/16/17 05:59	1
Aldrin	ND		1.7	0.25	ug/Kg		04/11/17 10:20	04/16/17 05:59	1
Methoxychlor	ND		3.2	0.44	ug/Kg		04/11/17 10:20	04/16/17 05:59	1
Toxaphene	ND		66	15	ug/Kg		04/11/17 10:20	04/16/17 05:59	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Client Sample ID: NA-SO-01-01-09 — **Lab Sample ID: 280-95601-3**
Date Collected: 04/06/17 09:43 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-Chlordane	ND		1.7	0.32	ug/Kg		04/11/17 10:20	04/16/17 05:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*85*		*63 - 124*	*04/11/17 10:20*	*04/16/17 05:59*	*1*
Tetrachloro-m-xylene	*76*		*59 - 115*	*04/11/17 10:20*	*04/16/17 05:59*	*1*

Client Sample ID: NA-SO-01-09-18 — **Lab Sample ID: 280-95601-4**
Date Collected: 04/06/17 09:50 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan I	ND		1.6	0.17	ug/Kg		04/11/17 10:20	04/16/17 06:17	1
Endosulfan II	ND		1.6	0.27	ug/Kg		04/11/17 10:20	04/16/17 06:17	1
Endosulfan sulfate	ND		1.6	0.26	ug/Kg		04/11/17 10:20	04/16/17 06:17	1
Endrin	ND		1.6	0.29	ug/Kg		04/11/17 10:20	04/16/17 06:17	1
Endrin aldehyde	ND		1.6	0.16	ug/Kg		04/11/17 10:20	04/16/17 06:17	1
Endrin ketone	ND		1.6	0.46	ug/Kg		04/11/17 10:20	04/16/17 06:17	1
beta-BHC	ND		1.6	0.62	ug/Kg		04/11/17 10:20	04/16/17 06:17	1
alpha-BHC	ND		1.6	0.20	ug/Kg		04/11/17 10:20	04/16/17 06:17	1
delta-BHC	ND		1.6	0.38	ug/Kg		04/11/17 10:20	04/16/17 06:17	1
gamma-BHC (Lindane)	ND		1.6	0.44	ug/Kg		04/11/17 10:20	04/16/17 06:17	1
gamma-Chlordane	ND		1.6	0.25	ug/Kg		04/11/17 10:20	04/16/17 06:17	1
4,4'-DDD	ND		1.6	0.51	ug/Kg		04/11/17 10:20	04/16/17 06:17	1
4,4'-DDE	ND		1.6	0.22	ug/Kg		04/11/17 10:20	04/16/17 06:17	1
4,4'-DDT	ND		1.6	0.55	ug/Kg		04/11/17 10:20	04/16/17 06:17	1
Heptachlor	ND		1.6	0.20	ug/Kg		04/11/17 10:20	04/16/17 06:17	1
Heptachlor epoxide	ND		1.6	0.40	ug/Kg		04/11/17 10:20	04/16/17 06:17	1
Dieldrin	ND		1.6	0.20	ug/Kg		04/11/17 10:20	04/16/17 06:17	1
Aldrin	ND		1.6	0.24	ug/Kg		04/11/17 10:20	04/16/17 06:17	1
Methoxychlor	ND		3.1	0.42	ug/Kg		04/11/17 10:20	04/16/17 06:17	1
Toxaphene	ND		63	15	ug/Kg		04/11/17 10:20	04/16/17 06:17	1
alpha-Chlordane	ND		1.6	0.30	ug/Kg		04/11/17 10:20	04/16/17 06:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*85*		*63 - 124*	*04/11/17 10:20*	*04/16/17 06:17*	*1*
Tetrachloro-m-xylene	*73*		*59 - 115*	*04/11/17 10:20*	*04/16/17 06:17*	*1*

Client Sample ID: NA-SO-02-00-01 — **Lab Sample ID: 280-95601-6**
Date Collected: 04/06/17 09:36 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan I	ND		1.6	0.16	ug/Kg		04/11/17 10:20	04/16/17 06:34	1
Endosulfan II	ND		1.6	0.26	ug/Kg		04/11/17 10:20	04/16/17 06:34	1
Endosulfan sulfate	ND		1.6	0.25	ug/Kg		04/11/17 10:20	04/16/17 06:34	1
Endrin	ND		1.6	0.28	ug/Kg		04/11/17 10:20	04/16/17 06:34	1
Endrin aldehyde	ND		1.6	0.16	ug/Kg		04/11/17 10:20	04/16/17 06:34	1
Endrin ketone	ND		1.6	0.45	ug/Kg		04/11/17 10:20	04/16/17 06:34	1
beta-BHC	ND		1.6	0.61	ug/Kg		04/11/17 10:20	04/16/17 06:34	1
alpha-BHC	ND		1.6	0.20	ug/Kg		04/11/17 10:20	04/16/17 06:34	1
delta-BHC	ND		1.6	0.37	ug/Kg		04/11/17 10:20	04/16/17 06:34	1
gamma-BHC (Lindane)	ND		1.6	0.42	ug/Kg		04/11/17 10:20	04/16/17 06:34	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Client Sample ID: NA-SO-02-00-01
Date Collected: 04/06/17 09:36
Date Received: 04/06/17 16:20

Lab Sample ID: 280-95601-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-Chlordane	ND		1.6	0.24	ug/Kg		04/11/17 10:20	04/16/17 06:34	1
4,4'-DDD	ND		1.6	0.50	ug/Kg		04/11/17 10:20	04/16/17 06:34	1
4,4'-DDE	ND		1.6	0.22	ug/Kg		04/11/17 10:20	04/16/17 06:34	1
4,4'-DDT	ND		1.6	0.54	ug/Kg		04/11/17 10:20	04/16/17 06:34	1
Heptachlor	ND		1.6	0.20	ug/Kg		04/11/17 10:20	04/16/17 06:34	1
Heptachlor epoxide	ND		1.6	0.39	ug/Kg		04/11/17 10:20	04/16/17 06:34	1
Dieldrin	ND		1.6	0.19	ug/Kg		04/11/17 10:20	04/16/17 06:34	1
Aldrin	ND		1.6	0.23	ug/Kg		04/11/17 10:20	04/16/17 06:34	1
Methoxychlor	ND		3.0	0.41	ug/Kg		04/11/17 10:20	04/16/17 06:34	1
Toxaphene	ND		61	14	ug/Kg		04/11/17 10:20	04/16/17 06:34	1
alpha-Chlordane	ND		1.6	0.29	ug/Kg		04/11/17 10:20	04/16/17 06:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*115*		*63 - 124*	*04/11/17 10:20*	*04/16/17 06:34*	*1*
Tetrachloro-m-xylene	*76*		*59 - 115*	*04/11/17 10:20*	*04/16/17 06:34*	*1*

Client Sample ID: NA-SO-02-01-09
Date Collected: 04/06/17 09:36
Date Received: 04/06/17 16:20

Lab Sample ID: 280-95601-7
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan I	ND		1.7	0.17	ug/Kg		04/11/17 10:20	04/16/17 06:52	1
Endosulfan II	ND		1.7	0.28	ug/Kg		04/11/17 10:20	04/16/17 06:52	1
Endosulfan sulfate	ND		1.7	0.27	ug/Kg		04/11/17 10:20	04/16/17 06:52	1
Endrin	ND		1.7	0.30	ug/Kg		04/11/17 10:20	04/16/17 06:52	1
Endrin aldehyde	ND		1.7	0.17	ug/Kg		04/11/17 10:20	04/16/17 06:52	1
Endrin ketone	ND		1.7	0.48	ug/Kg		04/11/17 10:20	04/16/17 06:52	1
beta-BHC	ND		1.7	0.65	ug/Kg		04/11/17 10:20	04/16/17 06:52	1
alpha-BHC	ND		1.7	0.21	ug/Kg		04/11/17 10:20	04/16/17 06:52	1
delta-BHC	ND		1.7	0.39	ug/Kg		04/11/17 10:20	04/16/17 06:52	1
gamma-BHC (Lindane)	ND		1.7	0.45	ug/Kg		04/11/17 10:20	04/16/17 06:52	1
gamma-Chlordane	ND		1.7	0.26	ug/Kg		04/11/17 10:20	04/16/17 06:52	1
4,4'-DDD	ND		1.7	0.54	ug/Kg		04/11/17 10:20	04/16/17 06:52	1
4,4'-DDE	ND		1.7	0.23	ug/Kg		04/11/17 10:20	04/16/17 06:52	1
4,4'-DDT	ND		1.7	0.58	ug/Kg		04/11/17 10:20	04/16/17 06:52	1
Heptachlor	ND		1.7	0.21	ug/Kg		04/11/17 10:20	04/16/17 06:52	1
Heptachlor epoxide	ND		1.7	0.42	ug/Kg		04/11/17 10:20	04/16/17 06:52	1
Dieldrin	ND		1.7	0.21	ug/Kg		04/11/17 10:20	04/16/17 06:52	1
Aldrin	ND		1.7	0.25	ug/Kg		04/11/17 10:20	04/16/17 06:52	1
Methoxychlor	ND		3.2	0.44	ug/Kg		04/11/17 10:20	04/16/17 06:52	1
Toxaphene	ND		66	15	ug/Kg		04/11/17 10:20	04/16/17 06:52	1
alpha-Chlordane	ND		1.7	0.32	ug/Kg		04/11/17 10:20	04/16/17 06:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*72*		*63 - 124*	*04/11/17 10:20*	*04/16/17 06:52*	*1*
Tetrachloro-m-xylene	*68*		*59 - 115*	*04/11/17 10:20*	*04/16/17 06:52*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Client Sample ID: NA-SO-02-09-18 — **Lab Sample ID: 280-95601-8**
Date Collected: 04/06/17 09:48 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan I	ND		1.7	0.18	ug/Kg		04/11/17 10:20	04/16/17 07:44	1
Endosulfan II	ND		1.7	0.29	ug/Kg		04/11/17 10:20	04/16/17 07:44	1
Endosulfan sulfate	ND		1.7	0.28	ug/Kg		04/11/17 10:20	04/16/17 07:44	1
Endrin	ND		1.7	0.30	ug/Kg		04/11/17 10:20	04/16/17 07:44	1
Endrin aldehyde	ND		1.7	0.17	ug/Kg		04/11/17 10:20	04/16/17 07:44	1
Endrin ketone	ND		1.7	0.49	ug/Kg		04/11/17 10:20	04/16/17 07:44	1
beta-BHC	ND		1.7	0.66	ug/Kg		04/11/17 10:20	04/16/17 07:44	1
alpha-BHC	ND		1.7	0.21	ug/Kg		04/11/17 10:20	04/16/17 07:44	1
delta-BHC	ND		1.7	0.40	ug/Kg		04/11/17 10:20	04/16/17 07:44	1
gamma-BHC (Lindane)	ND		1.7	0.46	ug/Kg		04/11/17 10:20	04/16/17 07:44	1
gamma-Chlordane	ND		1.7	0.27	ug/Kg		04/11/17 10:20	04/16/17 07:44	1
4,4'-DDD	ND		1.7	0.54	ug/Kg		04/11/17 10:20	04/16/17 07:44	1
4,4'-DDE	ND		1.7	0.24	ug/Kg		04/11/17 10:20	04/16/17 07:44	1
4,4'-DDT	ND		1.7	0.59	ug/Kg		04/11/17 10:20	04/16/17 07:44	1
Heptachlor	ND		1.7	0.21	ug/Kg		04/11/17 10:20	04/16/17 07:44	1
Heptachlor epoxide	ND		1.7	0.42	ug/Kg		04/11/17 10:20	04/16/17 07:44	1
Dieldrin	ND		1.7	0.21	ug/Kg		04/11/17 10:20	04/16/17 07:44	1
Aldrin	ND		1.7	0.25	ug/Kg		04/11/17 10:20	04/16/17 07:44	1
Methoxychlor	ND		3.3	0.45	ug/Kg		04/11/17 10:20	04/16/17 07:44	1
Toxaphene	ND		67	16	ug/Kg		04/11/17 10:20	04/16/17 07:44	1
alpha-Chlordane	ND		1.7	0.32	ug/Kg		04/11/17 10:20	04/16/17 07:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*73*		*63 - 124*	*04/11/17 10:20*	*04/16/17 07:44*	*1*
Tetrachloro-m-xylene	*70*		*59 - 115*	*04/11/17 10:20*	*04/16/17 07:44*	*1*

Client Sample ID: NA-SO-DUP1 — **Lab Sample ID: 280-95601-10**
Date Collected: 04/06/17 00:00 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan I	ND		1.7	0.17	ug/Kg		04/11/17 10:20	04/16/17 08:02	1
Endosulfan II	ND		1.7	0.28	ug/Kg		04/11/17 10:20	04/16/17 08:02	1
Endosulfan sulfate	ND		1.7	0.27	ug/Kg		04/11/17 10:20	04/16/17 08:02	1
Endrin	ND		1.7	0.30	ug/Kg		04/11/17 10:20	04/16/17 08:02	1
Endrin aldehyde	ND		1.7	0.17	ug/Kg		04/11/17 10:20	04/16/17 08:02	1
Endrin ketone	ND		1.7	0.48	ug/Kg		04/11/17 10:20	04/16/17 08:02	1
beta-BHC	ND		1.7	0.66	ug/Kg		04/11/17 10:20	04/16/17 08:02	1
alpha-BHC	ND		1.7	0.21	ug/Kg		04/11/17 10:20	04/16/17 08:02	1
delta-BHC	ND		1.7	0.40	ug/Kg		04/11/17 10:20	04/16/17 08:02	1
gamma-BHC (Lindane)	ND		1.7	0.46	ug/Kg		04/11/17 10:20	04/16/17 08:02	1
gamma-Chlordane	ND		1.7	0.26	ug/Kg		04/11/17 10:20	04/16/17 08:02	1
4,4'-DDD	ND		1.7	0.54	ug/Kg		04/11/17 10:20	04/16/17 08:02	1
4,4'-DDE	ND		1.7	0.23	ug/Kg		04/11/17 10:20	04/16/17 08:02	1
4,4'-DDT	ND		1.7	0.58	ug/Kg		04/11/17 10:20	04/16/17 08:02	1
Heptachlor	ND		1.7	0.21	ug/Kg		04/11/17 10:20	04/16/17 08:02	1
Heptachlor epoxide	ND		1.7	0.42	ug/Kg		04/11/17 10:20	04/16/17 08:02	1
Dieldrin	ND		1.7	0.21	ug/Kg		04/11/17 10:20	04/16/17 08:02	1
Aldrin	ND		1.7	0.25	ug/Kg		04/11/17 10:20	04/16/17 08:02	1
Methoxychlor	ND		3.3	0.44	ug/Kg		04/11/17 10:20	04/16/17 08:02	1
Toxaphene	ND		66	16	ug/Kg		04/11/17 10:20	04/16/17 08:02	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Client Sample ID: NA-SO-DUP1 — **Lab Sample ID: 280-95601-10**
Date Collected: 04/06/17 00:00 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-Chlordane	ND		1.7	0.32	ug/Kg		04/11/17 10:20	04/16/17 08:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*92*		*63 - 124*	*04/11/17 10:20*	*04/16/17 08:02*	*1*
Tetrachloro-m-xylene	*74*		*59 - 115*	*04/11/17 10:20*	*04/16/17 08:02*	*1*

Client Sample ID: ST-SO-01-01-09 — **Lab Sample ID: 280-95601-14**
Date Collected: 04/06/17 12:10 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan I	ND		1.7	0.18	ug/Kg		04/11/17 10:20	04/16/17 08:19	1
Endosulfan II	ND		1.7	0.29	ug/Kg		04/11/17 10:20	04/16/17 08:19	1
Endosulfan sulfate	ND		1.7	0.28	ug/Kg		04/11/17 10:20	04/16/17 08:19	1
Endrin	ND		1.7	0.31	ug/Kg		04/11/17 10:20	04/16/17 08:19	1
Endrin aldehyde	ND		1.7	0.17	ug/Kg		04/11/17 10:20	04/16/17 08:19	1
Endrin ketone	ND		1.7	0.49	ug/Kg		04/11/17 10:20	04/16/17 08:19	1
beta-BHC	ND		1.7	0.67	ug/Kg		04/11/17 10:20	04/16/17 08:19	1
alpha-BHC	ND		1.7	0.21	ug/Kg		04/11/17 10:20	04/16/17 08:19	1
delta-BHC	ND		1.7	0.40	ug/Kg		04/11/17 10:20	04/16/17 08:19	1
gamma-BHC (Lindane)	ND		1.7	0.47	ug/Kg		04/11/17 10:20	04/16/17 08:19	1
gamma-Chlordane	ND		1.7	0.27	ug/Kg		04/11/17 10:20	04/16/17 08:19	1
4,4'-DDD	ND		1.7	0.55	ug/Kg		04/11/17 10:20	04/16/17 08:19	1
4,4'-DDE	**0.51**	**J**	1.7	0.24	ug/Kg		04/11/17 10:20	04/16/17 08:19	1
4,4'-DDT	ND		1.7	0.59	ug/Kg		04/11/17 10:20	04/16/17 08:19	1
Heptachlor	ND		1.7	0.21	ug/Kg		04/11/17 10:20	04/16/17 08:19	1
Heptachlor epoxide	ND		1.7	0.43	ug/Kg		04/11/17 10:20	04/16/17 08:19	1
Dieldrin	ND		1.7	0.21	ug/Kg		04/11/17 10:20	04/16/17 08:19	1
Aldrin	ND		1.7	0.25	ug/Kg		04/11/17 10:20	04/16/17 08:19	1
Methoxychlor	ND		3.3	0.45	ug/Kg		04/11/17 10:20	04/16/17 08:19	1
Toxaphene	ND		67	16	ug/Kg		04/11/17 10:20	04/16/17 08:19	1
alpha-Chlordane	ND		1.7	0.32	ug/Kg		04/11/17 10:20	04/16/17 08:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*74*		*63 - 124*	*04/11/17 10:20*	*04/16/17 08:19*	*1*
Tetrachloro-m-xylene	*69*		*59 - 115*	*04/11/17 10:20*	*04/16/17 08:19*	*1*

Client Sample ID: ST-SO-DUP1 — **Lab Sample ID: 280-95601-17**
Date Collected: 04/06/17 00:00 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan I	ND		1.7	0.18	ug/Kg		04/11/17 10:20	04/16/17 09:12	1
Endosulfan II	ND		1.7	0.29	ug/Kg		04/11/17 10:20	04/16/17 09:12	1
Endosulfan sulfate	ND		1.7	0.28	ug/Kg		04/11/17 10:20	04/16/17 09:12	1
Endrin	ND		1.7	0.31	ug/Kg		04/11/17 10:20	04/16/17 09:12	1
Endrin aldehyde	ND		1.7	0.17	ug/Kg		04/11/17 10:20	04/16/17 09:12	1
Endrin ketone	ND		1.7	0.49	ug/Kg		04/11/17 10:20	04/16/17 09:12	1
beta-BHC	ND		1.7	0.66	ug/Kg		04/11/17 10:20	04/16/17 09:12	1
alpha-BHC	ND		1.7	0.21	ug/Kg		04/11/17 10:20	04/16/17 09:12	1
delta-BHC	ND		1.7	0.40	ug/Kg		04/11/17 10:20	04/16/17 09:12	1
gamma-BHC (Lindane)	ND		1.7	0.46	ug/Kg		04/11/17 10:20	04/16/17 09:12	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Client Sample ID: ST-SO-DUP1 — **Lab Sample ID: 280-95601-17**
Date Collected: 04/06/17 00:00 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-Chlordane	ND		1.7	0.27	ug/Kg		04/11/17 10:20	04/16/17 09:12	1
4,4'-DDD	ND		1.7	0.55	ug/Kg		04/11/17 10:20	04/16/17 09:12	1
4,4'-DDE	**0.53**	**J**	1.7	0.24	ug/Kg		04/11/17 10:20	04/16/17 09:12	1
4,4'-DDT	ND		1.7	0.59	ug/Kg		04/11/17 10:20	04/16/17 09:12	1
Heptachlor	ND		1.7	0.21	ug/Kg		04/11/17 10:20	04/16/17 09:12	1
Heptachlor epoxide	ND		1.7	0.43	ug/Kg		04/11/17 10:20	04/16/17 09:12	1
Dieldrin	ND		1.7	0.21	ug/Kg		04/11/17 10:20	04/16/17 09:12	1
Aldrin	ND		1.7	0.25	ug/Kg		04/11/17 10:20	04/16/17 09:12	1
Methoxychlor	ND		3.3	0.45	ug/Kg		04/11/17 10:20	04/16/17 09:12	1
Toxaphene	ND		67	16	ug/Kg		04/11/17 10:20	04/16/17 09:12	1
alpha-Chlordane	ND		1.7	0.32	ug/Kg		04/11/17 10:20	04/16/17 09:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*75*		*63 - 124*	*04/11/17 10:20*	*04/16/17 09:12*	*1*
Tetrachloro-m-xylene	*69*		*59 - 115*	*04/11/17 10:20*	*04/16/17 09:12*	*1*

Method: 8151A - Herbicides (GC)

Client Sample ID: NA-EB-20170406 — **Lab Sample ID: 280-95601-1**
Date Collected: 04/06/17 09:00 — **Matrix: Water**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		1.1	0.18	ug/L		04/10/17 16:00	04/14/17 06:37	1
MCPP	ND		430	35	ug/L		04/10/17 16:00	04/14/17 06:37	1
2,4,5-T	ND		1.1	0.20	ug/L		04/10/17 16:00	04/14/17 06:37	1
2,4-D	ND		4.3	0.23	ug/L		04/10/17 16:00	04/14/17 06:37	1
2,4-DB	ND		4.3	0.39	ug/L		04/10/17 16:00	04/14/17 06:37	1
Dalapon	ND		2.1	0.98	ug/L		04/10/17 16:00	04/14/17 06:37	1
Dicamba	ND		2.1	0.16	ug/L		04/10/17 16:00	04/14/17 06:37	1
Dichlorprop	ND		4.3	0.70	ug/L		04/10/17 16:00	04/14/17 06:37	1
MCPA	ND		430	18	ug/L		04/10/17 16:00	04/14/17 06:37	1
Picloram	ND		0.54	0.26	ug/L		04/10/17 16:00	04/14/17 06:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*76*		*39 - 135*	*04/10/17 16:00*	*04/14/17 06:37*	*1*

Client Sample ID: NA-SO-01-00-01 — **Lab Sample ID: 280-95601-2**
Date Collected: 04/06/17 08:25 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
MCPA	ND		7900	2000	ug/Kg		04/17/17 08:08	04/19/17 10:59	1
Silvex (2,4,5-TP)	ND		20	1.4	ug/Kg		04/17/17 08:08	04/19/17 10:59	1
MCPP	ND		7900	2000	ug/Kg		04/17/17 08:08	04/19/17 10:59	1
2,4,5-T	ND		20	2.3	ug/Kg		04/17/17 08:08	04/19/17 10:59	1
2,4-D	ND		79	14	ug/Kg		04/17/17 08:08	04/19/17 10:59	1
2,4-DB	ND		79	7.3	ug/Kg		04/17/17 08:08	04/19/17 10:59	1
Dalapon	ND		39	1.4	ug/Kg		04/17/17 08:08	04/19/17 10:59	1
Dicamba	ND		39	1.4	ug/Kg		04/17/17 08:08	04/19/17 10:59	1
Dichlorprop	ND		79	3.1	ug/Kg		04/17/17 08:08	04/19/17 10:59	1

Method: 8151A - Herbicides (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	25	X	31 - 105	04/17/17 08:08	04/19/17 10:59	1

Client Sample ID: NA-SO-01-01-09 — **Lab Sample ID: 280-95601-3**
Date Collected: 04/06/17 09:43 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
MCPA	ND		7900	2000	ug/Kg		04/17/17 08:08	04/19/17 11:22	1
Silvex (2,4,5-TP)	ND		20	1.4	ug/Kg		04/17/17 08:08	04/19/17 11:22	1
MCPP	ND		7900	2000	ug/Kg		04/17/17 08:08	04/19/17 11:22	1
2,4,5-T	ND		20	2.3	ug/Kg		04/17/17 08:08	04/19/17 11:22	1
2,4-D	ND		79	14	ug/Kg		04/17/17 08:08	04/19/17 11:22	1
2,4-DB	ND		79	7.3	ug/Kg		04/17/17 08:08	04/19/17 11:22	1
Dalapon	ND		39	1.4	ug/Kg		04/17/17 08:08	04/19/17 11:22	1
Dicamba	ND		39	1.4	ug/Kg		04/17/17 08:08	04/19/17 11:22	1
Dichlorprop	ND		79	3.1	ug/Kg		04/17/17 08:08	04/19/17 11:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	65		31 - 105	04/17/17 08:08	04/19/17 11:22	1

Client Sample ID: NA-SO-01-09-18 — **Lab Sample ID: 280-95601-4**
Date Collected: 04/06/17 09:50 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
MCPA	ND		7800	1900	ug/Kg		04/17/17 08:08	04/19/17 11:45	1
Silvex (2,4,5-TP)	ND		19	1.4	ug/Kg		04/17/17 08:08	04/19/17 11:45	1
MCPP	ND		7800	1900	ug/Kg		04/17/17 08:08	04/19/17 11:45	1
2,4,5-T	ND		19	2.2	ug/Kg		04/17/17 08:08	04/19/17 11:45	1
2,4-D	ND		78	14	ug/Kg		04/17/17 08:08	04/19/17 11:45	1
2,4-DB	ND		78	7.2	ug/Kg		04/17/17 08:08	04/19/17 11:45	1
Dalapon	ND		39	1.4	ug/Kg		04/17/17 08:08	04/19/17 11:45	1
Dicamba	ND		39	1.4	ug/Kg		04/17/17 08:08	04/19/17 11:45	1
Dichlorprop	ND		78	3.1	ug/Kg		04/17/17 08:08	04/19/17 11:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	70		31 - 105	04/17/17 08:08	04/19/17 11:45	1

Client Sample ID: NA-SO-02-00-01 — **Lab Sample ID: 280-95601-6**
Date Collected: 04/06/17 09:36 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
MCPA	ND		7800	2000	ug/Kg		04/17/17 08:08	04/19/17 12:07	1
Silvex (2,4,5-TP)	ND		20	1.4	ug/Kg		04/17/17 08:08	04/19/17 12:07	1
MCPP	ND		7800	2000	ug/Kg		04/17/17 08:08	04/19/17 12:07	1
2,4,5-T	ND		20	2.3	ug/Kg		04/17/17 08:08	04/19/17 12:07	1
2,4-D	ND		78	14	ug/Kg		04/17/17 08:08	04/19/17 12:07	1
2,4-DB	ND		78	7.3	ug/Kg		04/17/17 08:08	04/19/17 12:07	1
Dalapon	ND		39	1.4	ug/Kg		04/17/17 08:08	04/19/17 12:07	1
Dicamba	ND		39	1.4	ug/Kg		04/17/17 08:08	04/19/17 12:07	1
Dichlorprop	ND		78	3.1	ug/Kg		04/17/17 08:08	04/19/17 12:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	63		31 - 105	04/17/17 08:08	04/19/17 12:07	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Denver Urban Garden, JPS

TestAmerica Job ID: 280-95601-1

Method: 8151A - Herbicides (GC)

Client Sample ID: NA-SO-02-01-09
Date Collected: 04/06/17 09:36
Date Received: 04/06/17 16:20

Lab Sample ID: 280-95601-7
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
MCPA	ND	F1	7600	1900	ug/Kg		04/17/17 08:08	04/19/17 12:30	1
Silvex (2,4,5-TP)	ND		19	1.3	ug/Kg		04/17/17 08:08	04/19/17 12:30	1
MCPP	ND		7600	1900	ug/Kg		04/17/17 08:08	04/19/17 12:30	1
2,4,5-T	ND		19	2.2	ug/Kg		04/17/17 08:08	04/19/17 12:30	1
2,4-D	ND		76	13	ug/Kg		04/17/17 08:08	04/19/17 12:30	1
2,4-DB	ND		76	7.1	ug/Kg		04/17/17 08:08	04/19/17 12:30	1
Dalapon	ND		38	1.3	ug/Kg		04/17/17 08:08	04/19/17 12:30	1
Dicamba	ND		38	1.3	ug/Kg		04/17/17 08:08	04/19/17 12:30	1
Dichlorprop	ND		76	3.0	ug/Kg		04/17/17 08:08	04/19/17 12:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*72*		*31 - 105*	*04/17/17 08:08*	*04/19/17 12:30*	*1*

Client Sample ID: NA-SO-02-09-18
Date Collected: 04/06/17 09:48
Date Received: 04/06/17 16:20

Lab Sample ID: 280-95601-8
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
MCPA	ND		8000	2000	ug/Kg		04/17/17 08:08	04/19/17 14:02	1
Silvex (2,4,5-TP)	ND		20	1.4	ug/Kg		04/17/17 08:08	04/19/17 14:02	1
MCPP	ND		8000	2000	ug/Kg		04/17/17 08:08	04/19/17 14:02	1
2,4,5-T	ND		20	2.3	ug/Kg		04/17/17 08:08	04/19/17 14:02	1
2,4-D	ND		80	14	ug/Kg		04/17/17 08:08	04/19/17 14:02	1
2,4-DB	ND		80	7.5	ug/Kg		04/17/17 08:08	04/19/17 14:02	1
Dalapon	ND		40	1.4	ug/Kg		04/17/17 08:08	04/19/17 14:02	1
Dicamba	ND		40	1.4	ug/Kg		04/17/17 08:08	04/19/17 14:02	1
Dichlorprop	ND		80	3.2	ug/Kg		04/17/17 08:08	04/19/17 14:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*71*		*31 - 105*	*04/17/17 08:08*	*04/19/17 14:02*	*1*

Client Sample ID: NA-SO-DUP1
Date Collected: 04/06/17 00:00
Date Received: 04/06/17 16:20

Lab Sample ID: 280-95601-10
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
MCPA	ND		7900	2000	ug/Kg		04/17/17 08:08	04/19/17 14:25	1
Silvex (2,4,5-TP)	ND		20	1.4	ug/Kg		04/17/17 08:08	04/19/17 14:25	1
MCPP	ND		7900	2000	ug/Kg		04/17/17 08:08	04/19/17 14:25	1
2,4,5-T	ND		20	2.3	ug/Kg		04/17/17 08:08	04/19/17 14:25	1
2,4-D	ND		79	14	ug/Kg		04/17/17 08:08	04/19/17 14:25	1
2,4-DB	ND		79	7.3	ug/Kg		04/17/17 08:08	04/19/17 14:25	1
Dalapon	ND		39	1.4	ug/Kg		04/17/17 08:08	04/19/17 14:25	1
Dicamba	ND		39	1.4	ug/Kg		04/17/17 08:08	04/19/17 14:25	1
Dichlorprop	ND		79	3.1	ug/Kg		04/17/17 08:08	04/19/17 14:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*12*	*X*	*31 - 105*	*04/17/17 08:08*	*04/19/17 14:25*	*1*

Method: 8151A - Herbicides (GC)

Client Sample ID: ST-EB-20170406 — **Lab Sample ID: 280-95601-12**
Date Collected: 04/06/17 11:40 — **Matrix: Water**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		1.1	0.19	ug/L		04/10/17 16:00	04/14/17 06:59	1
MCPP	ND		440	37	ug/L		04/10/17 16:00	04/14/17 06:59	1
2,4,5-T	ND		1.1	0.21	ug/L		04/10/17 16:00	04/14/17 06:59	1
2,4-D	ND		4.4	0.23	ug/L		04/10/17 16:00	04/14/17 06:59	1
2,4-DB	ND		4.4	0.40	ug/L		04/10/17 16:00	04/14/17 06:59	1
Dalapon	ND		2.2	1.0	ug/L		04/10/17 16:00	04/14/17 06:59	1
Dicamba	ND		2.2	0.17	ug/L		04/10/17 16:00	04/14/17 06:59	1
Dichlorprop	ND		4.4	0.72	ug/L		04/10/17 16:00	04/14/17 06:59	1
MCPA	ND		440	19	ug/L		04/10/17 16:00	04/14/17 06:59	1
Picloram	ND		0.55	0.27	ug/L		04/10/17 16:00	04/14/17 06:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*100*		*39 - 135*	*04/10/17 16:00*	*04/14/17 06:59*	*1*

Client Sample ID: ST-SO-01-01-09 — **Lab Sample ID: 280-95601-14**
Date Collected: 04/06/17 12:10 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
MCPA	ND		7900	2000	ug/Kg		04/17/17 08:08	04/19/17 14:48	1
Silvex (2,4,5-TP)	ND		20	1.4	ug/Kg		04/17/17 08:08	04/19/17 14:48	1
MCPP	ND		7900	2000	ug/Kg		04/17/17 08:08	04/19/17 14:48	1
2,4,5-T	ND		20	2.3	ug/Kg		04/17/17 08:08	04/19/17 14:48	1
2,4-D	ND		79	14	ug/Kg		04/17/17 08:08	04/19/17 14:48	1
2,4-DB	ND		79	7.4	ug/Kg		04/17/17 08:08	04/19/17 14:48	1
Dalapon	ND		39	1.4	ug/Kg		04/17/17 08:08	04/19/17 14:48	1
Dicamba	ND		39	1.4	ug/Kg		04/17/17 08:08	04/19/17 14:48	1
Dichlorprop	ND		79	3.2	ug/Kg		04/17/17 08:08	04/19/17 14:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*63*		*31 - 105*	*04/17/17 08:08*	*04/19/17 14:48*	*1*

Client Sample ID: ST-SO-DUP1 — **Lab Sample ID: 280-95601-17**
Date Collected: 04/06/17 00:00 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
MCPA	ND		8000	2000	ug/Kg		04/17/17 08:08	04/19/17 15:57	1
Silvex (2,4,5-TP)	ND		20	1.4	ug/Kg		04/17/17 08:08	04/19/17 15:57	1
MCPP	ND		8000	2000	ug/Kg		04/17/17 08:08	04/19/17 15:57	1
2,4,5-T	ND		20	2.3	ug/Kg		04/17/17 08:08	04/19/17 15:57	1
2,4-D	ND		80	14	ug/Kg		04/17/17 08:08	04/19/17 15:57	1
2,4-DB	**11**	**J p**	80	7.4	ug/Kg		04/17/17 08:08	04/19/17 15:57	1
Dalapon	ND		40	1.4	ug/Kg		04/17/17 08:08	04/19/17 15:57	1
Dicamba	ND		40	1.4	ug/Kg		04/17/17 08:08	04/19/17 15:57	1
Dichlorprop	ND		80	3.2	ug/Kg		04/17/17 08:08	04/19/17 15:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*84*		*31 - 105*	*04/17/17 08:08*	*04/19/17 15:57*	*1*

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Denver Urban Garden, JPS

TestAmerica Job ID: 280-95601-1

Method: 6010B - Metals (ICP)

Client Sample ID: NA-EB-20170406 — **Lab Sample ID: 280-95601-1**
Date Collected: 04/06/17 09:00 — **Matrix: Water**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		100	18	ug/L		04/11/17 07:39	04/11/17 23:53	1
Antimony	ND		20	5.2	ug/L		04/11/17 07:39	04/11/17 23:53	1
Calcium	ND		200	35	ug/L		04/11/17 07:39	04/11/17 23:53	1
Iron	**26**	**J**	100	22	ug/L		04/11/17 07:39	04/11/17 23:53	1
Magnesium	ND		200	11	ug/L		04/11/17 07:39	04/11/17 23:53	1
Potassium	ND		3000	240	ug/L		04/11/17 07:39	04/11/17 23:53	1
Sodium	ND		1000	120	ug/L		04/11/17 07:39	04/11/17 23:53	1

Client Sample ID: ST-EB-20170406 — **Lab Sample ID: 280-95601-12**
Date Collected: 04/06/17 11:40 — **Matrix: Water**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		100	18	ug/L		04/11/17 07:39	04/12/17 00:03	1
Antimony	ND		20	5.2	ug/L		04/11/17 07:39	04/12/17 00:03	1
Calcium	ND		200	35	ug/L		04/11/17 07:39	04/12/17 00:03	1
Iron	**24**	**J**	100	22	ug/L		04/11/17 07:39	04/12/17 00:03	1
Magnesium	**46**	**J**	200	11	ug/L		04/11/17 07:39	04/12/17 00:03	1
Potassium	**290**	**J B**	3000	240	ug/L		04/11/17 07:39	04/12/17 00:03	1
Sodium	ND		1000	120	ug/L		04/11/17 07:39	04/12/17 00:03	1

Method: 6010C - Metals (ICP)

Client Sample ID: NA-SO-01-00-01 — **Lab Sample ID: 280-95601-2**
Date Collected: 04/06/17 08:25 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8400**		8.3	1.3	mg/Kg		04/10/17 14:48	04/15/17 23:07	1
Antimony	**0.76**	**J**	1.3	0.61	mg/Kg		04/10/17 14:48	04/14/17 14:27	1
Calcium	**5300**	**B**	42	12	mg/Kg		04/10/17 14:48	04/14/17 14:27	1
Iron	**17000**		13	3.2	mg/Kg		04/10/17 14:48	04/14/17 14:27	1
Magnesium	**5600**	**B**	17	3.1	mg/Kg		04/10/17 14:48	04/14/17 14:27	1
Potassium	**4700**		250	34	mg/Kg		04/10/17 14:48	04/14/17 14:27	1
Silver	ND		0.83	0.13	mg/Kg		04/10/17 14:48	04/14/17 14:27	1
Sodium	**150**	**J B**	420	49	mg/Kg		04/10/17 14:48	04/14/17 14:27	1

Client Sample ID: NA-SO-01-01-09 — **Lab Sample ID: 280-95601-3**
Date Collected: 04/06/17 09:43 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**15000**		8.0	1.2	mg/Kg		04/10/17 14:48	04/15/17 23:09	1
Antimony	**1.0**	**J**	1.2	0.58	mg/Kg		04/10/17 14:48	04/14/17 14:29	1
Calcium	**11000**	**B**	40	11	mg/Kg		04/10/17 14:48	04/14/17 14:29	1
Iron	**17000**		12	3.0	mg/Kg		04/10/17 14:48	04/14/17 14:29	1
Magnesium	**5000**	**B**	16	2.9	mg/Kg		04/10/17 14:48	04/14/17 14:29	1
Potassium	**2500**		240	33	mg/Kg		04/10/17 14:48	04/14/17 14:29	1
Silver	ND		0.80	0.13	mg/Kg		04/10/17 14:48	04/14/17 14:29	1
Sodium	**230**	**J B**	400	47	mg/Kg		04/10/17 14:48	04/14/17 14:29	1

Method: 6010C - Metals (ICP)

Client Sample ID: NA-SO-01-09-18 — **Lab Sample ID: 280-95601-4**
Date Collected: 04/06/17 09:50 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	16000		8.3	1.3	mg/Kg		04/10/17 14:48	04/15/17 23:12	1
Antimony	0.92	J	1.3	0.61	mg/Kg		04/10/17 14:48	04/14/17 14:32	1
Calcium	11000	B	42	12	mg/Kg		04/10/17 14:48	04/14/17 14:32	1
Iron	15000		13	3.2	mg/Kg		04/10/17 14:48	04/14/17 14:32	1
Magnesium	3700	B	17	3.1	mg/Kg		04/10/17 14:48	04/14/17 14:32	1
Potassium	1200		250	34	mg/Kg		04/10/17 14:48	04/14/17 14:32	1
Silver	ND		0.83	0.13	mg/Kg		04/10/17 14:48	04/14/17 14:32	1
Sodium	260	J B	420	49	mg/Kg		04/10/17 14:48	04/14/17 14:32	1

Client Sample ID: NA-SO-02-00-01 — **Lab Sample ID: 280-95601-6**
Date Collected: 04/06/17 09:36 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	11000		8.6	1.3	mg/Kg		04/10/17 14:48	04/15/17 23:25	1
Antimony	0.84	J	1.3	0.63	mg/Kg		04/10/17 14:48	04/14/17 14:34	1
Calcium	7400	B	43	12	mg/Kg		04/10/17 14:48	04/14/17 14:34	1
Iron	14000		13	3.3	mg/Kg		04/10/17 14:48	04/14/17 14:34	1
Magnesium	4200	B	17	3.2	mg/Kg		04/10/17 14:48	04/14/17 14:34	1
Potassium	3300		260	35	mg/Kg		04/10/17 14:48	04/14/17 14:34	1
Silver	ND		0.86	0.14	mg/Kg		04/10/17 14:48	04/14/17 14:34	1
Sodium	170	J B	430	51	mg/Kg		04/10/17 14:48	04/14/17 14:34	1

Client Sample ID: NA-SO-02-01-09 — **Lab Sample ID: 280-95601-7**
Date Collected: 04/06/17 09:36 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	12000		8.9	1.4	mg/Kg		04/10/17 14:48	04/15/17 22:55	1
Antimony	0.89	J	1.3	0.65	mg/Kg		04/10/17 14:48	04/14/17 14:04	1
Calcium	4300	B	45	13	mg/Kg		04/10/17 14:48	04/15/17 22:55	1
Iron	13000		13	3.4	mg/Kg		04/10/17 14:48	04/15/17 22:55	1
Magnesium	2900	B	18	3.3	mg/Kg		04/10/17 14:48	04/14/17 14:04	1
Potassium	2600		270	37	mg/Kg		04/10/17 14:48	04/15/17 22:55	1
Silver	ND		0.89	0.14	mg/Kg		04/10/17 14:48	04/14/17 14:04	1
Sodium	110	J	450	53	mg/Kg		04/10/17 14:48	04/15/17 22:55	1

Client Sample ID: NA-SO-02-09-18 — **Lab Sample ID: 280-95601-8**
Date Collected: 04/06/17 09:48 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	14000		8.0	1.2	mg/Kg		04/10/17 14:48	04/15/17 23:27	1
Antimony	0.65	J	1.2	0.59	mg/Kg		04/10/17 14:48	04/14/17 14:36	1
Calcium	12000	B	40	11	mg/Kg		04/10/17 14:48	04/14/17 14:36	1
Iron	14000		12	3.1	mg/Kg		04/10/17 14:48	04/14/17 14:36	1
Magnesium	3300	B	16	3.0	mg/Kg		04/10/17 14:48	04/14/17 14:36	1
Potassium	1700		240	33	mg/Kg		04/10/17 14:48	04/14/17 14:36	1
Silver	ND		0.80	0.13	mg/Kg		04/10/17 14:48	04/14/17 14:36	1
Sodium	140	J B	400	47	mg/Kg		04/10/17 14:48	04/14/17 14:36	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Denver Urban Garden, JPS

TestAmerica Job ID: 280-95601-1

Method: 6010C - Metals (ICP)

Client Sample ID: NA-SO-DUP1 — **Lab Sample ID: 280-95601-10**
Date Collected: 04/06/17 00:00 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8900		7.6	1.2	mg/Kg		04/10/17 14:48	04/15/17 23:30	1
Antimony	0.60	J	1.1	0.55	mg/Kg		04/10/17 14:48	04/14/17 14:39	1
Calcium	4300	B	38	11	mg/Kg		04/10/17 14:48	04/14/17 14:39	1
Iron	17000		11	2.9	mg/Kg		04/10/17 14:48	04/14/17 14:39	1
Magnesium	5400	B	15	2.8	mg/Kg		04/10/17 14:48	04/14/17 14:39	1
Potassium	5100		230	31	mg/Kg		04/10/17 14:48	04/14/17 14:39	1
Silver	ND		0.76	0.12	mg/Kg		04/10/17 14:48	04/14/17 14:39	1
Sodium	160	J B	380	45	mg/Kg		04/10/17 14:48	04/14/17 14:39	1

Client Sample ID: ST-SO-01-00-01 — **Lab Sample ID: 280-95601-13**
Date Collected: 04/06/17 12:00 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	11000		9.1	1.4	mg/Kg		04/10/17 14:48	04/15/17 23:32	1
Antimony	ND		1.4	0.67	mg/Kg		04/10/17 14:48	04/14/17 14:42	1
Calcium	8900	B	45	13	mg/Kg		04/10/17 14:48	04/14/17 14:42	1
Iron	12000		14	3.5	mg/Kg		04/10/17 14:48	04/14/17 14:42	1
Magnesium	2700	B	18	3.4	mg/Kg		04/10/17 14:48	04/14/17 14:42	1
Potassium	2100		270	37	mg/Kg		04/10/17 14:48	04/14/17 14:42	1
Silver	ND		0.91	0.15	mg/Kg		04/10/17 14:48	04/14/17 14:42	1
Sodium	130	J B	450	54	mg/Kg		04/10/17 14:48	04/14/17 14:42	1

Client Sample ID: ST-SO-01-01-09 — **Lab Sample ID: 280-95601-14**
Date Collected: 04/06/17 12:10 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	9900		6.8	1.1	mg/Kg		04/10/17 14:48	04/15/17 23:40	1
Antimony	0.81	J	1.0	0.50	mg/Kg		04/10/17 14:48	04/14/17 14:59	1
Calcium	7500	B F1	34	9.6	mg/Kg		04/10/17 14:48	04/14/17 14:59	1
Iron	12000		10	2.6	mg/Kg		04/10/17 14:48	04/14/17 14:59	1
Magnesium	2400	B	14	2.5	mg/Kg		04/10/17 14:48	04/14/17 14:59	1
Potassium	2100		200	28	mg/Kg		04/10/17 14:48	04/14/17 14:59	1
Silver	ND		0.68	0.11	mg/Kg		04/10/17 14:48	04/14/17 14:59	1
Sodium	140	J B	340	40	mg/Kg		04/10/17 14:48	04/14/17 14:59	1

Client Sample ID: ST-SO-01-09-18 — **Lab Sample ID: 280-95601-15**
Date Collected: 04/06/17 12:35 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	12000		8.8	1.4	mg/Kg		04/10/17 14:48	04/15/17 23:35	1
Antimony	ND		1.3	0.65	mg/Kg		04/10/17 14:48	04/14/17 14:44	1
Calcium	9700	B	44	12	mg/Kg		04/10/17 14:48	04/14/17 14:44	1
Iron	15000		13	3.4	mg/Kg		04/10/17 14:48	04/14/17 14:44	1
Magnesium	3300	B	18	3.3	mg/Kg		04/10/17 14:48	04/14/17 14:44	1
Potassium	2400		260	36	mg/Kg		04/10/17 14:48	04/14/17 14:44	1
Silver	ND		0.88	0.14	mg/Kg		04/10/17 14:48	04/14/17 14:44	1
Sodium	180	J B	440	52	mg/Kg		04/10/17 14:48	04/14/17 14:44	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Denver Urban Garden, JPS

TestAmerica Job ID: 280-95601-1

Method: 6010C - Metals (ICP)

Client Sample ID: ST-SO-DUP2
Date Collected: 04/06/17 00:00
Date Received: 04/06/17 16:20

Lab Sample ID: 280-95601-18
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	11000		9.1	1.4	mg/Kg		04/10/17 14:48	04/15/17 23:37	1
Antimony	0.78	J	1.4	0.67	mg/Kg		04/10/17 14:48	04/14/17 14:47	1
Calcium	8400	B	46	13	mg/Kg		04/10/17 14:48	04/14/17 14:47	1
Iron	16000		14	3.5	mg/Kg		04/10/17 14:48	04/14/17 14:47	1
Magnesium	3400	B	18	3.4	mg/Kg		04/10/17 14:48	04/14/17 14:47	1
Potassium	2500		270	37	mg/Kg		04/10/17 14:48	04/14/17 14:47	1
Silver	ND		0.91	0.15	mg/Kg		04/10/17 14:48	04/14/17 14:47	1
Sodium	190	J B	460	54	mg/Kg		04/10/17 14:48	04/14/17 14:47	1

Method: 6020 - Metals (ICP/MS)

Client Sample ID: NA-EB-20170406
Date Collected: 04/06/17 09:00
Date Received: 04/06/17 16:20

Lab Sample ID: 280-95601-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		5.0	0.33	ug/L		04/11/17 07:39	04/12/17 05:03	1
Barium	ND		1.0	0.29	ug/L		04/11/17 07:39	04/12/17 05:03	1
Beryllium	ND		1.0	0.080	ug/L		04/11/17 07:39	04/12/17 05:03	1
Cadmium	ND		1.0	0.27	ug/L		04/11/17 07:39	04/12/17 05:03	1
Chromium	ND		2.0	0.50	ug/L		04/11/17 07:39	04/12/17 05:03	1
Cobalt	ND		1.0	0.054	ug/L		04/11/17 07:39	04/12/17 05:03	1
Copper	ND		2.0	0.56	ug/L		04/11/17 07:39	04/12/17 05:03	1
Lead	ND		1.0	0.18	ug/L		04/11/17 07:39	04/12/17 05:03	1
Manganese	0.71	J	1.0	0.31	ug/L		04/11/17 07:39	04/12/17 05:03	1
Nickel	ND		2.0	0.30	ug/L		04/11/17 07:39	04/12/17 05:03	1
Selenium	ND		5.0	0.70	ug/L		04/11/17 07:39	04/12/17 05:03	1
Silver	ND		5.0	0.033	ug/L		04/11/17 07:39	04/12/17 05:03	1
Thallium	ND		1.0	0.050	ug/L		04/11/17 07:39	04/12/17 05:03	1
Zinc	ND		10	2.0	ug/L		04/11/17 07:39	04/12/17 05:03	1

Client Sample ID: NA-SO-01-00-01
Date Collected: 04/06/17 08:25
Date Received: 04/06/17 16:20

Lab Sample ID: 280-95601-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	850		430	37	ug/Kg		04/11/17 14:48	04/13/17 05:04	1
Barium	130000	B	140	51	ug/Kg		04/11/17 14:48	04/13/17 05:04	1
Beryllium	310		72	16	ug/Kg		04/11/17 14:48	04/13/17 05:04	1
Cadmium	110		72	6.8	ug/Kg		04/11/17 14:48	04/13/17 05:04	1
Chromium	26000		140	55	ug/Kg		04/11/17 14:48	04/13/17 05:04	1
Cobalt	6400		72	4.8	ug/Kg		04/11/17 14:48	04/13/17 05:04	1
Copper	18000		180	51	ug/Kg		04/11/17 14:48	04/13/17 05:04	1
Lead	4100		110	13	ug/Kg		04/11/17 14:48	04/13/17 05:04	1
Manganese	370000		180	24	ug/Kg		04/11/17 14:48	04/13/17 05:04	1
Nickel	14000	B	110	18	ug/Kg		04/11/17 14:48	04/13/17 05:04	1
Selenium	160	J	360	96	ug/Kg		04/11/17 14:48	04/13/17 05:04	1
Thallium	200		72	2.5	ug/Kg		04/11/17 14:48	04/13/17 05:04	1
Zinc	60000		720	230	ug/Kg		04/11/17 14:48	04/13/17 05:04	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Denver Urban Garden, JPS

TestAmerica Job ID: 280-95601-1

Method: 6020 - Metals (ICP/MS)

Client Sample ID: NA-SO-01-01-09 — **Lab Sample ID: 280-95601-3**
Date Collected: 04/06/17 09:43 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1900		450	38	ug/Kg		04/11/17 14:48	04/13/17 05:08	1
Barium	220000	B	150	53	ug/Kg		04/11/17 14:48	04/13/17 05:08	1
Beryllium	570		75	17	ug/Kg		04/11/17 14:48	04/13/17 05:08	1
Cadmium	140		75	7.1	ug/Kg		04/11/17 14:48	04/13/17 05:08	1
Chromium	10000		150	57	ug/Kg		04/11/17 14:48	04/13/17 05:08	1
Cobalt	5600		75	5.0	ug/Kg		04/11/17 14:48	04/13/17 05:08	1
Copper	18000		190	54	ug/Kg		04/11/17 14:48	04/13/17 05:08	1
Lead	10000		110	14	ug/Kg		04/11/17 14:48	04/13/17 05:08	1
Manganese	400000		190	25	ug/Kg		04/11/17 14:48	04/13/17 05:08	1
Nickel	7000	B	110	19	ug/Kg		04/11/17 14:48	04/13/17 05:08	1
Selenium	170	J	380	100	ug/Kg		04/11/17 14:48	04/13/17 05:08	1
Thallium	130		75	2.6	ug/Kg		04/11/17 14:48	04/13/17 05:08	1
Zinc	54000		750	240	ug/Kg		04/11/17 14:48	04/13/17 05:08	1

Client Sample ID: NA-SO-01-09-18 — **Lab Sample ID: 280-95601-4**
Date Collected: 04/06/17 09:50 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1900		480	41	ug/Kg		04/11/17 14:48	04/13/17 05:12	1
Barium	280000	B	160	57	ug/Kg		04/11/17 14:48	04/13/17 05:12	1
Beryllium	680		81	18	ug/Kg		04/11/17 14:48	04/13/17 05:12	1
Cadmium	110		81	7.6	ug/Kg		04/11/17 14:48	04/13/17 05:12	1
Chromium	9800		160	61	ug/Kg		04/11/17 14:48	04/13/17 05:12	1
Cobalt	5100		81	5.4	ug/Kg		04/11/17 14:48	04/13/17 05:12	1
Copper	8200		200	57	ug/Kg		04/11/17 14:48	04/13/17 05:12	1
Lead	9700		120	15	ug/Kg		04/11/17 14:48	04/13/17 05:12	1
Manganese	330000		200	27	ug/Kg		04/11/17 14:48	04/13/17 05:12	1
Nickel	6700	B	120	20	ug/Kg		04/11/17 14:48	04/13/17 05:12	1
Selenium	170	J	400	110	ug/Kg		04/11/17 14:48	04/13/17 05:12	1
Thallium	160		81	2.8	ug/Kg		04/11/17 14:48	04/13/17 05:12	1
Zinc	45000		810	260	ug/Kg		04/11/17 14:48	04/13/17 05:12	1

Client Sample ID: NA-SO-02-00-01 — **Lab Sample ID: 280-95601-6**
Date Collected: 04/06/17 09:36 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1900		580	49	ug/Kg		04/11/17 14:48	04/13/17 05:42	1
Barium	130000	B	190	68	ug/Kg		04/11/17 14:48	04/13/17 05:42	1
Beryllium	410		96	22	ug/Kg		04/11/17 14:48	04/13/17 05:42	1
Cadmium	190		96	9.0	ug/Kg		04/11/17 14:48	04/13/17 05:42	1
Chromium	10000		190	73	ug/Kg		04/11/17 14:48	04/13/17 05:42	1
Cobalt	4400		96	6.4	ug/Kg		04/11/17 14:48	04/13/17 05:42	1
Copper	13000		240	68	ug/Kg		04/11/17 14:48	04/13/17 05:42	1
Lead	13000		140	18	ug/Kg		04/11/17 14:48	04/13/17 05:42	1
Manganese	290000		240	32	ug/Kg		04/11/17 14:48	04/13/17 05:42	1
Nickel	7400	B	140	24	ug/Kg		04/11/17 14:48	04/13/17 05:42	1
Selenium	190	J	480	130	ug/Kg		04/11/17 14:48	04/13/17 05:42	1
Thallium	130		96	3.4	ug/Kg		04/11/17 14:48	04/13/17 05:42	1
Zinc	52000		960	300	ug/Kg		04/11/17 14:48	04/13/17 05:42	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Denver Urban Garden, JPS

TestAmerica Job ID: 280-95601-1

Method: 6020 - Metals (ICP/MS)

Client Sample ID: NA-SO-02-01-09
Date Collected: 04/06/17 09:36
Date Received: 04/06/17 16:20

Lab Sample ID: 280-95601-7
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4100		530	45	ug/Kg		04/11/17 14:48	04/13/17 05:16	1
Barium	150000	B	180	63	ug/Kg		04/11/17 14:48	04/13/17 05:16	1
Beryllium	620		89	20	ug/Kg		04/11/17 14:48	04/13/17 05:16	1
Cadmium	360		89	8.4	ug/Kg		04/11/17 14:48	04/13/17 05:16	1
Chromium	11000		180	68	ug/Kg		04/11/17 14:48	04/13/17 05:16	1
Cobalt	5100		89	5.9	ug/Kg		04/11/17 14:48	04/13/17 05:16	1
Copper	18000		220	63	ug/Kg		04/11/17 14:48	04/13/17 05:16	1
Lead	26000		130	16	ug/Kg		04/11/17 14:48	04/13/17 05:16	1
Manganese	320000		220	29	ug/Kg		04/11/17 14:48	04/13/17 05:16	1
Nickel	8800	B	130	23	ug/Kg		04/11/17 14:48	04/13/17 05:16	1
Selenium	230	J	450	120	ug/Kg		04/11/17 14:48	04/13/17 05:16	1
Thallium	160		89	3.1	ug/Kg		04/11/17 14:48	04/13/17 05:16	1
Zinc	63000		890	280	ug/Kg		04/11/17 14:48	04/13/17 05:16	1

Client Sample ID: NA-SO-02-09-18
Date Collected: 04/06/17 09:48
Date Received: 04/06/17 16:20

Lab Sample ID: 280-95601-8
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2200		570	48	ug/Kg		04/11/17 14:48	04/13/17 05:46	1
Barium	270000	B	190	67	ug/Kg		04/11/17 14:48	04/13/17 05:46	1
Beryllium	640		95	21	ug/Kg		04/11/17 14:48	04/13/17 05:46	1
Cadmium	160		95	8.9	ug/Kg		04/11/17 14:48	04/13/17 05:46	1
Chromium	10000		190	72	ug/Kg		04/11/17 14:48	04/13/17 05:46	1
Cobalt	6400		95	6.3	ug/Kg		04/11/17 14:48	04/13/17 05:46	1
Copper	12000		240	67	ug/Kg		04/11/17 14:48	04/13/17 05:46	1
Lead	11000		140	17	ug/Kg		04/11/17 14:48	04/13/17 05:46	1
Manganese	700000		240	31	ug/Kg		04/11/17 14:48	04/13/17 05:46	1
Nickel	7800	B	140	24	ug/Kg		04/11/17 14:48	04/13/17 05:46	1
Selenium	180	J	470	130	ug/Kg		04/11/17 14:48	04/13/17 05:46	1
Thallium	160		95	3.3	ug/Kg		04/11/17 14:48	04/13/17 05:46	1
Zinc	56000		950	300	ug/Kg		04/11/17 14:48	04/13/17 05:46	1

Client Sample ID: NA-SO-DUP1
Date Collected: 04/06/17 00:00
Date Received: 04/06/17 16:20

Lab Sample ID: 280-95601-10
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	880		420	35	ug/Kg		04/11/17 14:48	04/13/17 05:50	1
Barium	97000	B	140	49	ug/Kg		04/11/17 14:48	04/13/17 05:50	1
Beryllium	280		70	16	ug/Kg		04/11/17 14:48	04/13/17 05:50	1
Cadmium	60	J	70	6.5	ug/Kg		04/11/17 14:48	04/13/17 05:50	1
Chromium	18000		140	53	ug/Kg		04/11/17 14:48	04/13/17 05:50	1
Cobalt	5700		70	4.6	ug/Kg		04/11/17 14:48	04/13/17 05:50	1
Copper	18000		170	50	ug/Kg		04/11/17 14:48	04/13/17 05:50	1
Lead	3400		100	13	ug/Kg		04/11/17 14:48	04/13/17 05:50	1
Manganese	370000		170	23	ug/Kg		04/11/17 14:48	04/13/17 05:50	1
Nickel	12000	B	100	18	ug/Kg		04/11/17 14:48	04/13/17 05:50	1
Selenium	130	J	350	93	ug/Kg		04/11/17 14:48	04/13/17 05:50	1
Thallium	200		70	2.4	ug/Kg		04/11/17 14:48	04/13/17 05:50	1
Zinc	59000		700	220	ug/Kg		04/11/17 14:48	04/13/17 05:50	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Denver Urban Garden, JPS

TestAmerica Job ID: 280-95601-1

Method: 6020 - Metals (ICP/MS)

Client Sample ID: ST-EB-20170406 — **Lab Sample ID: 280-95601-12**
Date Collected: 04/06/17 11:40 — **Matrix: Water**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		5.0	0.33	ug/L		04/11/17 07:39	04/12/17 05:07	1
Barium	ND		1.0	0.29	ug/L		04/11/17 07:39	04/12/17 05:07	1
Beryllium	ND		1.0	0.080	ug/L		04/11/17 07:39	04/12/17 05:07	1
Cadmium	ND		1.0	0.27	ug/L		04/11/17 07:39	04/12/17 05:07	1
Chromium	ND		2.0	0.50	ug/L		04/11/17 07:39	04/12/17 05:07	1
Cobalt	ND		1.0	0.054	ug/L		04/11/17 07:39	04/12/17 05:07	1
Copper	ND		2.0	0.56	ug/L		04/11/17 07:39	04/12/17 05:07	1
Lead	ND		1.0	0.18	ug/L		04/11/17 07:39	04/12/17 05:07	1
Manganese	ND		1.0	0.31	ug/L		04/11/17 07:39	04/12/17 05:07	1
Nickel	ND		2.0	0.30	ug/L		04/11/17 07:39	04/12/17 05:07	1
Selenium	ND		5.0	0.70	ug/L		04/11/17 07:39	04/12/17 05:07	1
Silver	ND		5.0	0.033	ug/L		04/11/17 07:39	04/12/17 05:07	1
Thallium	ND		1.0	0.050	ug/L		04/11/17 07:39	04/12/17 05:07	1
Zinc	ND		10	2.0	ug/L		04/11/17 07:39	04/12/17 05:07	1

Client Sample ID: ST-SO-01-00-01 — **Lab Sample ID: 280-95601-13**
Date Collected: 04/06/17 12:00 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3400		510	43	ug/Kg		04/11/17 14:48	04/13/17 05:54	1
Barium	130000	B	170	60	ug/Kg		04/11/17 14:48	04/13/17 05:54	1
Beryllium	600		86	19	ug/Kg		04/11/17 14:48	04/13/17 05:54	1
Cadmium	310		86	8.0	ug/Kg		04/11/17 14:48	04/13/17 05:54	1
Chromium	12000		170	65	ug/Kg		04/11/17 14:48	04/13/17 05:54	1
Cobalt	5000		86	5.7	ug/Kg		04/11/17 14:48	04/13/17 05:54	1
Copper	21000		210	61	ug/Kg		04/11/17 14:48	04/13/17 05:54	1
Lead	20000		130	16	ug/Kg		04/11/17 14:48	04/13/17 05:54	1
Manganese	270000		210	28	ug/Kg		04/11/17 14:48	04/13/17 05:54	1
Nickel	8400	B	130	22	ug/Kg		04/11/17 14:48	04/13/17 05:54	1
Selenium	220	J	430	110	ug/Kg		04/11/17 14:48	04/13/17 05:54	1
Thallium	160		86	3.0	ug/Kg		04/11/17 14:48	04/13/17 05:54	1
Zinc	64000		860	270	ug/Kg		04/11/17 14:48	04/13/17 05:54	1

Client Sample ID: ST-SO-01-01-09 — **Lab Sample ID: 280-95601-14**
Date Collected: 04/06/17 12:10 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2400		420	35	ug/Kg		04/11/17 14:48	04/13/17 05:58	1
Barium	88000	F2 B	140	49	ug/Kg		04/11/17 14:48	04/13/17 05:58	1
Beryllium	440		70	16	ug/Kg		04/11/17 14:48	04/13/17 05:58	1
Cadmium	320		70	6.6	ug/Kg		04/11/17 14:48	04/13/17 05:58	1
Chromium	9400	F1	140	53	ug/Kg		04/11/17 14:48	04/13/17 05:58	1
Cobalt	3600	F1	70	4.6	ug/Kg		04/11/17 14:48	04/13/17 05:58	1
Copper	17000	F1	170	50	ug/Kg		04/11/17 14:48	04/13/17 05:58	1
Lead	18000		100	13	ug/Kg		04/11/17 14:48	04/13/17 05:58	1
Manganese	210000		170	23	ug/Kg		04/11/17 14:48	04/13/17 05:58	1
Nickel	6300	B	100	18	ug/Kg		04/11/17 14:48	04/13/17 05:58	1
Selenium	180	J	350	93	ug/Kg		04/11/17 14:48	04/13/17 05:58	1
Thallium	120	F1	70	2.5	ug/Kg		04/11/17 14:48	04/13/17 05:58	1
Zinc	53000	F1	700	220	ug/Kg		04/11/17 14:48	04/13/17 05:58	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Denver Urban Garden, JPS

TestAmerica Job ID: 280-95601-1

Client Sample ID: ST-SO-01-09-18 — **Lab Sample ID: 280-95601-15**
Date Collected: 04/06/17 12:35 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3100		440	37	ug/Kg		04/11/17 14:48	04/13/17 06:09	1
Barium	140000	B	150	51	ug/Kg		04/11/17 14:48	04/13/17 06:09	1
Beryllium	620		73	16	ug/Kg		04/11/17 14:48	04/13/17 06:09	1
Cadmium	270		73	6.9	ug/Kg		04/11/17 14:48	04/13/17 06:09	1
Chromium	12000		150	56	ug/Kg		04/11/17 14:48	04/13/17 06:09	1
Cobalt	5200		73	4.8	ug/Kg		04/11/17 14:48	04/13/17 06:09	1
Copper	18000		180	52	ug/Kg		04/11/17 14:48	04/13/17 06:09	1
Lead	20000		110	13	ug/Kg		04/11/17 14:48	04/13/17 06:09	1
Manganese	310000		180	24	ug/Kg		04/11/17 14:48	04/13/17 06:09	1
Nickel	8900	B	110	18	ug/Kg		04/11/17 14:48	04/13/17 06:09	1
Selenium	200	J	370	97	ug/Kg		04/11/17 14:48	04/13/17 06:09	1
Thallium	170		73	2.6	ug/Kg		04/11/17 14:48	04/13/17 06:09	1
Zinc	56000		730	230	ug/Kg		04/11/17 14:48	04/13/17 06:09	1

Client Sample ID: ST-SO-DUP2 — **Lab Sample ID: 280-95601-18**
Date Collected: 04/06/17 00:00 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3000		530	45	ug/Kg		04/11/17 14:48	04/13/17 06:13	1
Barium	140000	B	180	62	ug/Kg		04/11/17 14:48	04/13/17 06:13	1
Beryllium	620		88	20	ug/Kg		04/11/17 14:48	04/13/17 06:13	1
Cadmium	290		88	8.3	ug/Kg		04/11/17 14:48	04/13/17 06:13	1
Chromium	14000		180	67	ug/Kg		04/11/17 14:48	04/13/17 06:13	1
Cobalt	5000		88	5.9	ug/Kg		04/11/17 14:48	04/13/17 06:13	1
Copper	19000		220	63	ug/Kg		04/11/17 14:48	04/13/17 06:13	1
Lead	24000		130	16	ug/Kg		04/11/17 14:48	04/13/17 06:13	1
Manganese	260000		220	29	ug/Kg		04/11/17 14:48	04/13/17 06:13	1
Nickel	9000	B	130	22	ug/Kg		04/11/17 14:48	04/13/17 06:13	1
Selenium	220	J	440	120	ug/Kg		04/11/17 14:48	04/13/17 06:13	1
Thallium	180		88	3.1	ug/Kg		04/11/17 14:48	04/13/17 06:13	1
Zinc	65000		880	280	ug/Kg		04/11/17 14:48	04/13/17 06:13	1

Method: 7470A - Mercury (CVAA)

Client Sample ID: NA-EB-20170406 — **Lab Sample ID: 280-95601-1**
Date Collected: 04/06/17 09:00 — **Matrix: Water**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.027	ug/L		04/13/17 12:11	04/13/17 21:41	1

Client Sample ID: ST-EB-20170406 — **Lab Sample ID: 280-95601-12**
Date Collected: 04/06/17 11:40 — **Matrix: Water**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.027	ug/L		04/13/17 12:11	04/13/17 21:44	1

Method: 7471A - Mercury (CVAA)

Client Sample ID: NA-SO-01-00-01 — **Lab Sample ID: 280-95601-2**
Date Collected: 04/06/17 08:25 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		18	5.8	ug/Kg		04/14/17 12:56	04/14/17 19:12	1

Client Sample ID: NA-SO-01-01-09 — **Lab Sample ID: 280-95601-3**
Date Collected: 04/06/17 09:43 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	16	J	18	5.8	ug/Kg		04/14/17 12:56	04/14/17 19:15	1

Client Sample ID: NA-SO-01-09-18 — **Lab Sample ID: 280-95601-4**
Date Collected: 04/06/17 09:50 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	22		19	6.1	ug/Kg		04/14/17 12:56	04/14/17 19:17	1

Client Sample ID: NA-SO-02-00-01 — **Lab Sample ID: 280-95601-6**
Date Collected: 04/06/17 09:36 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	16	J	19	6.1	ug/Kg		04/14/17 12:56	04/14/17 19:19	1

Client Sample ID: NA-SO-02-01-09 — **Lab Sample ID: 280-95601-7**
Date Collected: 04/06/17 09:36 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	30		17	5.5	ug/Kg		04/14/17 12:56	04/14/17 19:21	1

Client Sample ID: NA-SO-02-09-18 — **Lab Sample ID: 280-95601-8**
Date Collected: 04/06/17 09:48 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	35		18	5.8	ug/Kg		04/14/17 12:56	04/14/17 19:33	1

Client Sample ID: NA-SO-DUP1 — **Lab Sample ID: 280-95601-10**
Date Collected: 04/06/17 00:00 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		18	5.7	ug/Kg		04/14/17 12:56	04/14/17 19:35	1

Client Sample ID: ST-SO-01-00-01 — **Lab Sample ID: 280-95601-13**
Date Collected: 04/06/17 12:00 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	13	J	19	6.1	ug/Kg		04/14/17 12:56	04/14/17 19:37	1

Client Sample ID: ST-SO-01-01-09 — **Lab Sample ID: 280-95601-14**
Date Collected: 04/06/17 12:10 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	19	J	20	6.5	ug/Kg		04/14/17 12:56	04/14/17 19:39	1

Method: 7471A - Mercury (CVAA)

Client Sample ID: ST-SO-01-09-18 — **Lab Sample ID: 280-95601-15**
Date Collected: 04/06/17 12:35 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	26		20	6.5	ug/Kg		04/14/17 12:56	04/14/17 19:46	1

Client Sample ID: ST-SO-DUP2 — **Lab Sample ID: 280-95601-18**
Date Collected: 04/06/17 00:00 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	14	J	20	6.6	ug/Kg		04/14/17 12:56	04/14/17 19:48	1

General Chemistry - Soluble

Client Sample ID: NA-SO-01-00-01 — **Lab Sample ID: 280-95601-2**
Date Collected: 04/06/17 08:25 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH adj. to 25 deg C	8.6	HF	0.1	0.1	SU			04/19/17 10:22	1
Temperature	21.6	HF	1.0	1.0	Degrees C			04/19/17 10:22	1

Client Sample ID: NA-SO-01-01-09 — **Lab Sample ID: 280-95601-3**
Date Collected: 04/06/17 09:43 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH adj. to 25 deg C	8.2	HF	0.1	0.1	SU			04/19/17 10:22	1
Temperature	21.4	HF	1.0	1.0	Degrees C			04/19/17 10:22	1

Client Sample ID: NA-SO-01-09-18 — **Lab Sample ID: 280-95601-4**
Date Collected: 04/06/17 09:50 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH adj. to 25 deg C	8.3	HF	0.1	0.1	SU			04/19/17 10:22	1
Temperature	21.6	HF	1.0	1.0	Degrees C			04/19/17 10:22	1

Client Sample ID: NA-SO-02-00-01 — **Lab Sample ID: 280-95601-6**
Date Collected: 04/06/17 09:36 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH adj. to 25 deg C	8.1	HF	0.1	0.1	SU			04/19/17 10:22	1
Temperature	21.6	HF	1.0	1.0	Degrees C			04/19/17 10:22	1

Client Sample ID: NA-SO-02-01-09 — **Lab Sample ID: 280-95601-7**
Date Collected: 04/06/17 09:36 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH adj. to 25 deg C	7.9	HF	0.1	0.1	SU			04/19/17 10:22	1
Temperature	21.7	HF	1.0	1.0	Degrees C			04/19/17 10:22	1

Client Sample ID: NA-SO-02-09-18 — **Lab Sample ID: 280-95601-8**
Date Collected: 04/06/17 09:48 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH adj. to 25 deg C	8.1	HF	0.1	0.1	SU			04/19/17 10:22	1
Temperature	21.6	HF	1.0	1.0	Degrees C			04/19/17 10:22	1

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Denver Urban Garden, JPS

TestAmerica Job ID: 280-95601-1

General Chemistry - Soluble

Client Sample ID: NA-SO-DUP1
Date Collected: 04/06/17 00:00
Date Received: 04/06/17 16:20

Lab Sample ID: 280-95601-10
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH adj. to 25 deg C	8.6	HF	0.1	0.1	SU			04/19/17 10:22	1
Temperature	21.2	HF	1.0	1.0	Degrees C			04/19/17 10:22	1

Surrogate Summary

Client: Weston Solutions, Inc.
Project/Site: Denver Urban Garden, JPS

TestAmerica Job ID: 280-95601-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(58-140)	(80-126)	(76-127)	(75-121)
280-95601-5	NA-SO-01-16-18	114	96	94	114
280-95601-5 MS	NA-SO-01-16-18	110	96	88	111
280-95601-5 MSD	NA-SO-01-16-18	111	93	92	109
280-95601-9	NA-SO-02-16-18	116	93	93	112
280-95601-11	NA-SO-DUP2	114	90	94	114
280-95601-16	ST-SO-01-15-16	118	92	92	113
280-95601-16 MS	ST-SO-01-15-16	114	97	91	115
280-95601-16 MSD	ST-SO-01-15-16	111	96	93	113
280-95601-19	ST-SO-DUP3	108	91	88	108
LCS 280-370102/2-A	Lab Control Sample	107	91	91	108
MB 280-370102/1-A	Method Blank	117	90	94	115

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(70-127)	(80-125)	(78-120)	(77-120)
280-95601-1	NA-EB-20170406	105	107	92	109
280-95601-12	ST-EB-20170406	107	107	91	111
LCS 280-368802/4	Lab Control Sample	107	105	94	110
MB 280-368802/6	Method Blank	105	102	93	109

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		FBP	NBZ	TPH
Lab Sample ID	Client Sample ID	(48-135)	(42-135)	(20-135)
280-95601-1	NA-EB-20170406	74	79	83
280-95601-12	ST-EB-20170406	64	67	92
LCS 280-368590/2-A	Lab Control Sample	81	88	89
LCSD 280-368590/23-A	Lab Control Sample Dup	81	86	87
MB 280-368590/1-A	Method Blank	79	83	87

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5

TPH = Terphenyl-d14

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		FBP	NBZ	TPH
Lab Sample ID	Client Sample ID	(39-120)	(42-120)	(35-124)
280-95601-2 - DL	NA-SO-01-00-01	70	90	83
280-95601-2	NA-SO-01-00-01	79	85	83
280-95601-3	NA-SO-01-01-09	73	97	81
280-95601-4	NA-SO-01-09-18	64	78	64
280-95601-6 - DL	NA-SO-02-00-01	71 D	100 D	92 D
280-95601-6	NA-SO-02-00-01	78	114	98
280-95601-7	NA-SO-02-01-09	66	82	80
280-95601-7 MS	NA-SO-02-01-09	76	121 X	88
280-95601-7 MSD	NA-SO-02-01-09	73	100	88
280-95601-8	NA-SO-02-09-18	71	97	97
280-95601-10	NA-SO-DUP1	72	94	91
280-95601-10 - DL	NA-SO-DUP1	74	57	83
280-95601-13	ST-SO-01-00-01	74	110	89
280-95601-14	ST-SO-01-01-09	76	115	89
280-95601-14 MS	ST-SO-01-01-09	68	101	82
280-95601-14 MSD	ST-SO-01-01-09	74	113	86
280-95601-15	ST-SO-01-09-18	82	117	93
280-95601-18	ST-SO-DUP2	77	112	89
LCS 280-368898/2-A	Lab Control Sample	88	92	89
MB 280-368898/1-A	Method Blank	88	93	80

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5
TPH = Terphenyl-d14

Method: 8081A - Organochlorine Pesticides (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCB1	TCX1
Lab Sample ID	Client Sample ID	(34-122)	(28-115)
280-95601-1	NA-EB-20170406	91	82
280-95601-12	ST-EB-20170406	86	83
LCS 280-368975/2-A	Lab Control Sample	89	74
MB 280-368975/1-A	Method Blank	89	84

Surrogate Legend

DCB = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCB1	TCX1
Lab Sample ID	Client Sample ID	(63-124)	(59-115)
280-95601-2	NA-SO-01-00-01	104	80

Surrogate Summary

Client: Weston Solutions, Inc.
Project/Site: Denver Urban Garden, JPS

TestAmerica Job ID: 280-95601-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCB1 (63-124)	TCX1 (59-115)
280-95601-3	NA-SO-01-01-09	85	76
280-95601-4	NA-SO-01-09-18	85	73
280-95601-6	NA-SO-02-00-01	115	76
280-95601-7	NA-SO-02-01-09	72	68
280-95601-7 MS	NA-SO-02-01-09	75	73
280-95601-7 MSD	NA-SO-02-01-09	86	76
280-95601-8	NA-SO-02-09-18	73	70
280-95601-10	NA-SO-DUP1	92	74
280-95601-14	ST-SO-01-01-09	74	69
280-95601-14 MS	ST-SO-01-01-09	78	69
280-95601-14 MSD	ST-SO-01-01-09	76	72
280-95601-17	ST-SO-DUP1	75	69
LCS 280-368827/2-A	Lab Control Sample	92	80
MB 280-368827/1-A	Method Blank	88	80

Surrogate Legend

DCB = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8151A - Herbicides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	DCPA1 (31-105)
280-95601-2	NA-SO-01-00-01	25 X
280-95601-3	NA-SO-01-01-09	65
280-95601-4	NA-SO-01-09-18	70
280-95601-6	NA-SO-02-00-01	63
280-95601-7	NA-SO-02-01-09	72
280-95601-7 MS	NA-SO-02-01-09	80
280-95601-7 MSD	NA-SO-02-01-09	80
280-95601-8	NA-SO-02-09-18	71
280-95601-10	NA-SO-DUP1	12 X
280-95601-14	ST-SO-01-01-09	63
280-95601-14 MS	ST-SO-01-01-09	90
280-95601-14 MSD	ST-SO-01-01-09	59
280-95601-17	ST-SO-DUP1	84
LCS 280-369558/2-A	Lab Control Sample	61
MB 280-369558/1-A	Method Blank	72

Surrogate Legend

DCPA = 2,4-Dichlorophenylacetic acid

Surrogate Summary

Client: Weston Solutions, Inc.
Project/Site: Denver Urban Garden, JPS

TestAmerica Job ID: 280-95601-1

Method: 8151A - Herbicides (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	**Client Sample ID**	**DCPA1 (39-135)**							
280-95601-1	NA-EB-20170406	76							
280-95601-12	ST-EB-20170406	100							
LCS 280-368750/2-A	Lab Control Sample	76							
LCSD 280-368750/3-A	Lab Control Sample Dup	86							
MB 280-368750/1-A	Method Blank	70							

Surrogate Legend

DCPA = 2,4-Dichlorophenylacetic acid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 280-368802/6
Matrix: Water
Analysis Batch: 368802

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	1.9	ug/L			04/11/17 10:20	1
Benzene	ND		1.0	0.16	ug/L			04/11/17 10:20	1
Bromobenzene	ND		1.0	0.17	ug/L			04/11/17 10:20	1
Chlorobromomethane	ND		1.0	0.10	ug/L			04/11/17 10:20	1
Dichlorobromomethane	ND		1.0	0.17	ug/L			04/11/17 10:20	1
Bromoform	ND		1.0	0.19	ug/L			04/11/17 10:20	1
Bromomethane	ND		2.0	0.21	ug/L			04/11/17 10:20	1
2-Butanone (MEK)	ND		6.0	2.0	ug/L			04/11/17 10:20	1
n-Butylbenzene	ND		1.0	0.32	ug/L			04/11/17 10:20	1
sec-Butylbenzene	ND		1.0	0.17	ug/L			04/11/17 10:20	1
tert-Butylbenzene	ND		1.0	0.16	ug/L			04/11/17 10:20	1
Chlorobenzene	ND		1.0	0.17	ug/L			04/11/17 10:20	1
Chlorodibromomethane	ND		1.0	0.17	ug/L			04/11/17 10:20	1
Chloroethane	ND		2.0	0.41	ug/L			04/11/17 10:20	1
Chloroform	ND		1.0	0.16	ug/L			04/11/17 10:20	1
Chloromethane	ND		2.0	0.30	ug/L			04/11/17 10:20	1
2-Chlorotoluene	ND		1.0	0.17	ug/L			04/11/17 10:20	1
4-Chlorotoluene	ND		1.0	0.21	ug/L			04/11/17 10:20	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.47	ug/L			04/11/17 10:20	1
Dibromomethane	ND		1.0	0.17	ug/L			04/11/17 10:20	1
1,2-Dichlorobenzene	ND		1.0	0.15	ug/L			04/11/17 10:20	1
1,3-Dichlorobenzene	ND		1.0	0.13	ug/L			04/11/17 10:20	1
1,4-Dichlorobenzene	ND		1.0	0.16	ug/L			04/11/17 10:20	1
Dichlorodifluoromethane	ND		2.0	0.31	ug/L			04/11/17 10:20	1
1,1-Dichloroethane	ND		1.0	0.22	ug/L			04/11/17 10:20	1
1,2-Dichloroethane	ND		1.0	0.13	ug/L			04/11/17 10:20	1
cis-1,2-Dichloroethene	ND		1.0	0.15	ug/L			04/11/17 10:20	1
trans-1,2-Dichloroethene	ND		1.0	0.15	ug/L			04/11/17 10:20	1
1,1-Dichloroethene	ND		1.0	0.23	ug/L			04/11/17 10:20	1
1,2-Dichloroethene, Total	ND		1.0	0.24	ug/L			04/11/17 10:20	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			04/11/17 10:20	1
1,3-Dichloropropane	ND		1.0	0.22	ug/L			04/11/17 10:20	1
2,2-Dichloropropane	ND		1.0	0.18	ug/L			04/11/17 10:20	1
1,1-Dichloropropene	ND		1.0	0.19	ug/L			04/11/17 10:20	1
Ethylbenzene	ND		1.0	0.16	ug/L			04/11/17 10:20	1
Hexachlorobutadiene	ND		1.0	0.36	ug/L			04/11/17 10:20	1
2-Hexanone	ND		5.0	1.7	ug/L			04/11/17 10:20	1
Isopropylbenzene	ND		1.0	0.19	ug/L			04/11/17 10:20	1
4-Isopropyltoluene	ND		1.0	0.20	ug/L			04/11/17 10:20	1
Methylene Chloride	0.426	J	2.0	0.32	ug/L			04/11/17 10:20	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	0.98	ug/L			04/11/17 10:20	1
Methyl tert-butyl ether	ND		5.0	0.25	ug/L			04/11/17 10:20	1
Naphthalene	ND		1.0	0.22	ug/L			04/11/17 10:20	1
N-Propylbenzene	ND		1.0	0.16	ug/L			04/11/17 10:20	1
Styrene	ND		1.0	0.17	ug/L			04/11/17 10:20	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/11/17 10:20	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/11/17 10:20	1
Tetrachloroethene	ND		1.0	0.20	ug/L			04/11/17 10:20	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 280-368802/6
Matrix: Water
Analysis Batch: 368802

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		1.0	0.17	ug/L			04/11/17 10:20	1
1,2,3-Trichlorobenzene	ND		1.0	0.21	ug/L			04/11/17 10:20	1
1,2,4-Trichlorobenzene	ND		1.0	0.21	ug/L			04/11/17 10:20	1
1,1,1-Trichloroethane	ND		1.0	0.16	ug/L			04/11/17 10:20	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			04/11/17 10:20	1
Trichloroethene	ND		1.0	0.16	ug/L			04/11/17 10:20	1
Trichlorofluoromethane	ND		2.0	0.29	ug/L			04/11/17 10:20	1
1,2,3-Trichloropropane	ND		2.5	0.33	ug/L			04/11/17 10:20	1
1,2,4-Trimethylbenzene	ND		1.0	0.15	ug/L			04/11/17 10:20	1
1,3,5-Trimethylbenzene	ND		1.0	0.16	ug/L			04/11/17 10:20	1
Vinyl chloride	ND		1.0	0.10	ug/L			04/11/17 10:20	1
m-Xylene & p-Xylene	ND		2.0	0.34	ug/L			04/11/17 10:20	1
o-Xylene	ND		1.0	0.19	ug/L			04/11/17 10:20	1
Carbon tetrachloride	ND		1.0	0.19	ug/L			04/11/17 10:20	1
Xylenes, Total	ND		2.0	0.19	ug/L			04/11/17 10:20	1
cis-1,3-Dichloropropene	ND		1.0	0.16	ug/L			04/11/17 10:20	1
1,2-Dibromoethane	ND		1.0	0.18	ug/L			04/11/17 10:20	1
trans-1,3-Dichloropropene	ND		3.0	0.19	ug/L			04/11/17 10:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 127*		*04/11/17 10:20*	*1*
Toluene-d8 (Surr)	*102*		*80 - 125*		*04/11/17 10:20*	*1*
4-Bromofluorobenzene (Surr)	*93*		*78 - 120*		*04/11/17 10:20*	*1*
Dibromofluoromethane (Surr)	*109*		*77 - 120*		*04/11/17 10:20*	*1*

Lab Sample ID: LCS 280-368802/4
Matrix: Water
Analysis Batch: 368802

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	20.3		ug/L		101	39 - 156
Benzene	5.00	4.77		ug/L		95	65 - 135
Bromobenzene	5.00	4.53		ug/L		91	65 - 135
Chlorobromomethane	5.00	5.13		ug/L		103	65 - 135
Dichlorobromomethane	5.00	4.90		ug/L		98	65 - 135
Bromoform	5.00	4.58		ug/L		92	62 - 135
Bromomethane	5.00	5.44		ug/L		109	45 - 135
2-Butanone (MEK)	20.0	21.2		ug/L		106	44 - 177
n-Butylbenzene	5.00	3.90		ug/L		78	64 - 135
sec-Butylbenzene	5.00	3.92		ug/L		78	64 - 135
tert-Butylbenzene	5.00	3.94		ug/L		79	65 - 135
Chlorobenzene	5.00	4.55		ug/L		91	65 - 135
Chlorodibromomethane	5.00	4.37		ug/L		87	65 - 135
Chloroethane	5.00	4.92		ug/L		98	46 - 136
Chloroform	5.00	4.97		ug/L		99	65 - 135
Chloromethane	5.00	4.72		ug/L		94	34 - 145
2-Chlorotoluene	5.00	4.47		ug/L		89	65 - 135
4-Chlorotoluene	5.00	4.34		ug/L		87	65 - 135

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 280-368802/4
Matrix: Water
Analysis Batch: 368802

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	5.00	3.85	J	ug/L		77	57 - 135
Dibromomethane	5.00	5.14		ug/L		103	65 - 135
1,2-Dichlorobenzene	5.00	4.46		ug/L		89	65 - 135
1,3-Dichlorobenzene	5.00	4.40		ug/L		88	65 - 135
1,4-Dichlorobenzene	5.00	4.48		ug/L		90	65 - 135
Dichlorodifluoromethane	5.00	4.83		ug/L		97	43 - 142
1,1-Dichloroethane	5.00	4.68		ug/L		94	65 - 135
1,2-Dichloroethane	5.00	4.97		ug/L		99	65 - 135
cis-1,2-Dichloroethene	5.00	4.98		ug/L		100	65 - 135
trans-1,2-Dichloroethene	5.00	4.62		ug/L		92	65 - 135
1,1-Dichloroethene	5.00	3.86		ug/L		77	65 - 136
1,2-Dichloroethene, Total	10.0	9.60		ug/L		96	65 - 135
1,2-Dichloropropane	5.00	5.00		ug/L		100	64 - 135
1,3-Dichloropropane	5.00	4.57		ug/L		91	64 - 135
2,2-Dichloropropane	5.00	3.99		ug/L		80	65 - 135
1,1-Dichloropropene	5.00	4.33		ug/L		87	65 - 135
Ethylbenzene	5.00	4.21		ug/L		84	65 - 135
Hexachlorobutadiene	5.00	4.14		ug/L		83	65 - 135
2-Hexanone	20.0	16.2		ug/L		81	57 - 139
Isopropylbenzene	5.00	3.99		ug/L		80	65 - 135
4-Isopropyltoluene	5.00	3.91		ug/L		78	65 - 135
Methylene Chloride	5.00	5.38		ug/L		108	54 - 141
4-Methyl-2-pentanone (MIBK)	20.0	18.5		ug/L		93	60 - 150
Methyl tert-butyl ether	5.00	4.72	J	ug/L		94	54 - 135
Naphthalene	5.00	3.56		ug/L		71	42 - 135
N-Propylbenzene	5.00	4.06		ug/L		81	65 - 135
Styrene	5.00	4.26		ug/L		85	65 - 135
1,1,1,2-Tetrachloroethane	5.00	4.72		ug/L		94	65 - 135
1,1,2,2-Tetrachloroethane	5.00	4.56		ug/L		91	58 - 135
Tetrachloroethene	5.00	4.05		ug/L		81	65 - 135
Toluene	5.00	4.73		ug/L		95	65 - 135
1,2,3-Trichlorobenzene	5.00	4.44		ug/L		89	60 - 135
1,2,4-Trichlorobenzene	5.00	4.15		ug/L		83	58 - 135
1,1,1-Trichloroethane	5.00	4.34		ug/L		87	65 - 135
1,1,2-Trichloroethane	5.00	5.14		ug/L		103	64 - 135
Trichloroethene	5.00	4.43		ug/L		89	65 - 135
Trichlorofluoromethane	5.00	4.71		ug/L		94	53 - 137
1,2,3-Trichloropropane	5.00	4.74		ug/L		95	65 - 135
1,2,4-Trimethylbenzene	5.00	4.19		ug/L		84	65 - 135
1,3,5-Trimethylbenzene	5.00	4.16		ug/L		83	65 - 135
Vinyl chloride	5.00	4.65		ug/L		93	40 - 137
m-Xylene & p-Xylene	5.00	4.11		ug/L		82	65 - 135
o-Xylene	5.00	4.32		ug/L		86	65 - 135
Carbon tetrachloride	5.00	4.29		ug/L		86	65 - 135
Xylenes, Total	10.0	8.43		ug/L		84	65 - 135
cis-1,3-Dichloropropene	5.00	4.24		ug/L		85	65 - 135
1,2-Dibromoethane	5.00	4.38		ug/L		88	65 - 135
trans-1,3-Dichloropropene	5.00	4.78		ug/L		96	65 - 135

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 280-368802/4
Matrix: Water
Analysis Batch: 368802

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 127*
Toluene-d8 (Surr)	*105*		*80 - 125*
4-Bromofluorobenzene (Surr)	*94*		*78 - 120*
Dibromofluoromethane (Surr)	*110*		*77 - 120*

Lab Sample ID: MB 280-370102/1-A
Matrix: Solid
Analysis Batch: 370092

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 370102

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	13.5	J	20	5.4	ug/Kg		04/19/17 15:00	04/19/17 21:10	1
Benzene	ND		5.0	0.47	ug/Kg		04/19/17 15:00	04/19/17 21:10	1
Bromobenzene	ND		5.0	0.49	ug/Kg		04/19/17 15:00	04/19/17 21:10	1
Chlorobromomethane	ND		5.0	0.30	ug/Kg		04/19/17 15:00	04/19/17 21:10	1
Dichlorobromomethane	ND		5.0	0.22	ug/Kg		04/19/17 15:00	04/19/17 21:10	1
Bromoform	ND		5.0	0.23	ug/Kg		04/19/17 15:00	04/19/17 21:10	1
Bromomethane	ND		10	0.50	ug/Kg		04/19/17 15:00	04/19/17 21:10	1
2-Butanone (MEK)	ND		20	1.8	ug/Kg		04/19/17 15:00	04/19/17 21:10	1
n-Butylbenzene	ND		5.0	0.56	ug/Kg		04/19/17 15:00	04/19/17 21:10	1
sec-Butylbenzene	ND		5.0	0.77	ug/Kg		04/19/17 15:00	04/19/17 21:10	1
tert-Butylbenzene	ND		5.0	0.50	ug/Kg		04/19/17 15:00	04/19/17 21:10	1
Chlorobenzene	ND		5.0	0.54	ug/Kg		04/19/17 15:00	04/19/17 21:10	1
Chlorodibromomethane	ND		5.0	0.57	ug/Kg		04/19/17 15:00	04/19/17 21:10	1
Chloroethane	ND		10	0.89	ug/Kg		04/19/17 15:00	04/19/17 21:10	1
Chloroform	ND		10	0.29	ug/Kg		04/19/17 15:00	04/19/17 21:10	1
Chloromethane	ND		10	0.77	ug/Kg		04/19/17 15:00	04/19/17 21:10	1
2-Chlorotoluene	ND		5.0	0.51	ug/Kg		04/19/17 15:00	04/19/17 21:10	1
4-Chlorotoluene	ND		5.0	0.78	ug/Kg		04/19/17 15:00	04/19/17 21:10	1
1,2-Dibromo-3-Chloropropane	ND		10	0.60	ug/Kg		04/19/17 15:00	04/19/17 21:10	1
Dibromomethane	ND		5.0	0.84	ug/Kg		04/19/17 15:00	04/19/17 21:10	1
1,2-Dichlorobenzene	ND		5.0	0.45	ug/Kg		04/19/17 15:00	04/19/17 21:10	1
1,3-Dichlorobenzene	ND		5.0	0.48	ug/Kg		04/19/17 15:00	04/19/17 21:10	1
1,4-Dichlorobenzene	ND		5.0	0.78	ug/Kg		04/19/17 15:00	04/19/17 21:10	1
Dichlorodifluoromethane	ND		10	0.52	ug/Kg		04/19/17 15:00	04/19/17 21:10	1
1,1-Dichloroethane	ND		5.0	0.21	ug/Kg		04/19/17 15:00	04/19/17 21:10	1
1,2-Dichloroethane	ND		5.0	0.70	ug/Kg		04/19/17 15:00	04/19/17 21:10	1
cis-1,2-Dichloroethene	ND		2.5	0.56	ug/Kg		04/19/17 15:00	04/19/17 21:10	1
trans-1,2-Dichloroethene	ND		2.5	0.39	ug/Kg		04/19/17 15:00	04/19/17 21:10	1
1,1-Dichloroethene	ND		5.0	0.59	ug/Kg		04/19/17 15:00	04/19/17 21:10	1
1,2-Dichloroethene, Total	ND		5.0	0.39	ug/Kg		04/19/17 15:00	04/19/17 21:10	1
1,2-Dichloropropane	ND		5.0	0.55	ug/Kg		04/19/17 15:00	04/19/17 21:10	1
1,3-Dichloropropane	ND		5.0	0.51	ug/Kg		04/19/17 15:00	04/19/17 21:10	1
2,2-Dichloropropane	ND		5.0	0.44	ug/Kg		04/19/17 15:00	04/19/17 21:10	1
1,1-Dichloropropene	ND		5.0	0.54	ug/Kg		04/19/17 15:00	04/19/17 21:10	1
Ethylbenzene	ND		5.0	0.67	ug/Kg		04/19/17 15:00	04/19/17 21:10	1
Hexachlorobutadiene	ND		5.0	0.55	ug/Kg		04/19/17 15:00	04/19/17 21:10	1
2-Hexanone	ND		20	4.9	ug/Kg		04/19/17 15:00	04/19/17 21:10	1
Isopropylbenzene	ND		5.0	0.59	ug/Kg		04/19/17 15:00	04/19/17 21:10	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 280-370102/1-A
Matrix: Solid
Analysis Batch: 370092

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 370102

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Isopropyltoluene	ND		5.0	0.49	ug/Kg		04/19/17 15:00	04/19/17 21:10	1
Methylene Chloride	3.28	J	5.0	1.6	ug/Kg		04/19/17 15:00	04/19/17 21:10	1
4-Methyl-2-pentanone (MIBK)	ND		20	4.4	ug/Kg		04/19/17 15:00	04/19/17 21:10	1
Methyl tert-butyl ether	ND		20	0.34	ug/Kg		04/19/17 15:00	04/19/17 21:10	1
Naphthalene	ND		5.0	0.63	ug/Kg		04/19/17 15:00	04/19/17 21:10	1
N-Propylbenzene	ND		5.0	0.58	ug/Kg		04/19/17 15:00	04/19/17 21:10	1
Styrene	ND		5.0	0.63	ug/Kg		04/19/17 15:00	04/19/17 21:10	1
1,1,1,2-Tetrachloroethane	ND		5.0	0.56	ug/Kg		04/19/17 15:00	04/19/17 21:10	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.61	ug/Kg		04/19/17 15:00	04/19/17 21:10	1
Tetrachloroethene	ND		5.0	0.59	ug/Kg		04/19/17 15:00	04/19/17 21:10	1
Toluene	ND		5.0	0.69	ug/Kg		04/19/17 15:00	04/19/17 21:10	1
1,2,3-Trichlorobenzene	ND		5.0	0.75	ug/Kg		04/19/17 15:00	04/19/17 21:10	1
1,2,4-Trichlorobenzene	ND		5.0	0.73	ug/Kg		04/19/17 15:00	04/19/17 21:10	1
1,1,1-Trichloroethane	ND		5.0	0.52	ug/Kg		04/19/17 15:00	04/19/17 21:10	1
1,1,2-Trichloroethane	ND		5.0	0.88	ug/Kg		04/19/17 15:00	04/19/17 21:10	1
Trichloroethene	ND		5.0	0.23	ug/Kg		04/19/17 15:00	04/19/17 21:10	1
Trichlorofluoromethane	ND		10	1.0	ug/Kg		04/19/17 15:00	04/19/17 21:10	1
1,2,3-Trichloropropane	ND		5.0	0.81	ug/Kg		04/19/17 15:00	04/19/17 21:10	1
1,2,4-Trimethylbenzene	ND		5.0	0.58	ug/Kg		04/19/17 15:00	04/19/17 21:10	1
1,3,5-Trimethylbenzene	ND		5.0	0.57	ug/Kg		04/19/17 15:00	04/19/17 21:10	1
Vinyl chloride	ND		5.0	1.3	ug/Kg		04/19/17 15:00	04/19/17 21:10	1
m-Xylene & p-Xylene	ND		2.5	1.0	ug/Kg		04/19/17 15:00	04/19/17 21:10	1
o-Xylene	ND		2.5	0.61	ug/Kg		04/19/17 15:00	04/19/17 21:10	1
Carbon tetrachloride	ND		5.0	0.63	ug/Kg		04/19/17 15:00	04/19/17 21:10	1
Xylenes, Total	ND		5.0	0.61	ug/Kg		04/19/17 15:00	04/19/17 21:10	1
cis-1,3-Dichloropropene	ND		5.0	1.3	ug/Kg		04/19/17 15:00	04/19/17 21:10	1
1,2-Dibromoethane	ND		5.0	0.52	ug/Kg		04/19/17 15:00	04/19/17 21:10	1
trans-1,3-Dichloropropene	ND		5.0	0.67	ug/Kg		04/19/17 15:00	04/19/17 21:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*117*		*58 - 140*	*04/19/17 15:00*	*04/19/17 21:10*	*1*
Toluene-d8 (Surr)	*90*		*80 - 126*	*04/19/17 15:00*	*04/19/17 21:10*	*1*
4-Bromofluorobenzene (Surr)	*94*		*76 - 127*	*04/19/17 15:00*	*04/19/17 21:10*	*1*
Dibromofluoromethane (Surr)	*115*		*75 - 121*	*04/19/17 15:00*	*04/19/17 21:10*	*1*

Lab Sample ID: LCS 280-370102/2-A
Matrix: Solid
Analysis Batch: 370092

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 370102

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	200	196		ug/Kg		98	65 - 150
Benzene	50.0	47.6		ug/Kg		95	75 - 135
Bromobenzene	50.0	36.8		ug/Kg		74	72 - 135
Chlorobromomethane	50.0	46.2		ug/Kg		92	74 - 135
Dichlorobromomethane	50.0	47.1		ug/Kg		94	73 - 135
Bromoform	50.0	33.8	*	ug/Kg		68	77 - 135
Bromomethane	50.0	39.4		ug/Kg		79	52 - 135
2-Butanone (MEK)	200	172		ug/Kg		86	45 - 177

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 280-370102/2-A
Matrix: Solid
Analysis Batch: 370092

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 370102

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
n-Butylbenzene	50.0	39.3		ug/Kg		79	68 - 135
sec-Butylbenzene	50.0	37.0		ug/Kg		74	69 - 135
tert-Butylbenzene	50.0	37.6		ug/Kg		75	66 - 135
Chlorobenzene	50.0	39.0		ug/Kg		78	78 - 135
Chlorodibromomethane	50.0	38.1	*	ug/Kg		76	77 - 135
Chloroethane	50.0	45.1		ug/Kg		90	51 - 145
Chloroform	50.0	47.1		ug/Kg		94	73 - 123
Chloromethane	50.0	37.7		ug/Kg		75	41 - 138
2-Chlorotoluene	50.0	39.2		ug/Kg		78	67 - 135
4-Chlorotoluene	50.0	40.1		ug/Kg		80	68 - 135
1,2-Dibromo-3-Chloropropane	50.0	40.5		ug/Kg		81	66 - 150
Dibromomethane	50.0	46.2		ug/Kg		92	73 - 135
1,2-Dichlorobenzene	50.0	40.6		ug/Kg		81	73 - 135
1,3-Dichlorobenzene	50.0	40.2		ug/Kg		80	69 - 135
1,4-Dichlorobenzene	50.0	39.5		ug/Kg		79	73 - 135
Dichlorodifluoromethane	50.0	37.1		ug/Kg		74	32 - 152
1,1-Dichloroethane	50.0	49.2		ug/Kg		98	70 - 135
1,2-Dichloroethane	50.0	47.8		ug/Kg		96	69 - 135
cis-1,2-Dichloroethene	50.0	47.0		ug/Kg		94	76 - 135
trans-1,2-Dichloroethene	50.0	47.4		ug/Kg		95	77 - 135
1,1-Dichloroethene	50.0	42.2		ug/Kg		84	79 - 135
1,2-Dichloroethene, Total	100	94.4		ug/Kg		94	78 - 135
1,2-Dichloropropane	50.0	47.4		ug/Kg		95	72 - 121
1,3-Dichloropropane	50.0	39.9		ug/Kg		80	74 - 135
2,2-Dichloropropane	50.0	46.3		ug/Kg		93	69 - 135
1,1-Dichloropropene	50.0	49.2		ug/Kg		98	72 - 135
Ethylbenzene	50.0	40.1		ug/Kg		80	73 - 125
Hexachlorobutadiene	50.0	35.2		ug/Kg		70	52 - 151
2-Hexanone	200	157		ug/Kg		78	67 - 150
Isopropylbenzene	50.0	38.5		ug/Kg		77	74 - 137
4-Isopropyltoluene	50.0	37.3		ug/Kg		75	66 - 135
Methylene Chloride	50.0	44.1		ug/Kg		88	76 - 136
4-Methyl-2-pentanone (MIBK)	200	188		ug/Kg		94	69 - 150
Methyl tert-butyl ether	50.0	46.1		ug/Kg		92	71 - 141
Naphthalene	50.0	35.8		ug/Kg		72	65 - 135
N-Propylbenzene	50.0	40.0		ug/Kg		80	67 - 135
Styrene	50.0	41.0		ug/Kg		82	76 - 135
1,1,1,2-Tetrachloroethane	50.0	39.8		ug/Kg		80	76 - 135
1,1,2,2-Tetrachloroethane	50.0	37.4		ug/Kg		75	65 - 135
Tetrachloroethene	50.0	39.6		ug/Kg		79	76 - 135
Toluene	50.0	48.3		ug/Kg		97	77 - 122
1,2,3-Trichlorobenzene	50.0	38.1		ug/Kg		76	62 - 135
1,2,4-Trichlorobenzene	50.0	37.2		ug/Kg		74	65 - 135
1,1,1-Trichloroethane	50.0	46.3		ug/Kg		93	70 - 135
1,1,2-Trichloroethane	50.0	45.2		ug/Kg		90	78 - 135
Trichloroethene	50.0	46.3		ug/Kg		93	77 - 135
Trichlorofluoromethane	50.0	43.7		ug/Kg		87	48 - 150
1,2,3-Trichloropropane	50.0	37.0		ug/Kg		74	65 - 135

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 280-370102/2-A
Matrix: Solid
Analysis Batch: 370092

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 370102

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trimethylbenzene	50.0	37.8		ug/Kg		76	67 - 135
1,3,5-Trimethylbenzene	50.0	37.6		ug/Kg		75	65 - 135
Vinyl chloride	50.0	38.4		ug/Kg		77	43 - 145
m-Xylene & p-Xylene	50.0	40.9		ug/Kg		82	77 - 135
o-Xylene	50.0	42.6		ug/Kg		85	75 - 135
Carbon tetrachloride	50.0	45.3		ug/Kg		91	69 - 138
Xylenes, Total	100	83.5		ug/Kg		84	76 - 135
cis-1,3-Dichloropropene	50.0	39.0		ug/Kg		78	71 - 135
1,2-Dibromoethane	50.0	38.1		ug/Kg		76	76 - 135
trans-1,3-Dichloropropene	50.0	46.1		ug/Kg		92	71 - 135

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*107*		*58 - 140*
Toluene-d8 (Surr)	*91*		*80 - 126*
4-Bromofluorobenzene (Surr)	*91*		*76 - 127*
Dibromofluoromethane (Surr)	*108*		*75 - 121*

Lab Sample ID: 280-95601-5 MS
Matrix: Solid
Analysis Batch: 370092

Client Sample ID: NA-SO-01-16-18
Prep Type: Total/NA
Prep Batch: 370102

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		213	228		ug/Kg		107	65 - 150
Benzene	ND		53.3	59.3		ug/Kg		111	75 - 135
Bromobenzene	ND		53.3	44.7		ug/Kg		84	72 - 135
Chlorobromomethane	ND		53.3	56.7		ug/Kg		106	74 - 135
Dichlorobromomethane	ND		53.3	59.4		ug/Kg		111	73 - 135
Bromoform	ND	*	53.3	43.2		ug/Kg		81	77 - 135
Bromomethane	ND		53.3	67.0	E	ug/Kg		126	52 - 135
2-Butanone (MEK)	ND	F2	213	264		ug/Kg		124	45 - 177
n-Butylbenzene	ND		53.3	42.8		ug/Kg		80	68 - 135
sec-Butylbenzene	ND		53.3	41.0		ug/Kg		77	69 - 135
tert-Butylbenzene	ND		53.3	43.0		ug/Kg		81	66 - 135
Chlorobenzene	ND		53.3	47.7		ug/Kg		89	78 - 135
Chlorodibromomethane	ND	*	53.3	48.3		ug/Kg		91	77 - 135
Chloroethane	ND		53.3	70.1		ug/Kg		131	51 - 145
Chloroform	ND		53.3	57.0		ug/Kg		107	73 - 123
Chloromethane	ND		53.3	66.5		ug/Kg		125	41 - 138
2-Chlorotoluene	ND		53.3	46.2		ug/Kg		87	67 - 135
4-Chlorotoluene	ND		53.3	46.6		ug/Kg		87	68 - 135
1,2-Dibromo-3-Chloropropane	ND		53.3	45.0		ug/Kg		84	66 - 150
Dibromomethane	ND		53.3	58.2		ug/Kg		109	73 - 135
1,2-Dichlorobenzene	ND		53.3	47.5		ug/Kg		89	73 - 135
1,3-Dichlorobenzene	ND		53.3	47.1		ug/Kg		88	69 - 135
1,4-Dichlorobenzene	ND		53.3	46.4		ug/Kg		87	73 - 135
Dichlorodifluoromethane	ND		53.3	59.9		ug/Kg		112	32 - 152
1,1-Dichloroethane	ND		53.3	59.5		ug/Kg		112	70 - 135
1,2-Dichloroethane	ND		53.3	59.2		ug/Kg		111	69 - 135

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 280-95601-5 MS
Matrix: Solid
Analysis Batch: 370092

Client Sample ID: NA-SO-01-16-18
Prep Type: Total/NA
Prep Batch: 370102

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	ND		53.3	57.1		ug/Kg		107	76 - 135
trans-1,2-Dichloroethene	ND		53.3	57.2		ug/Kg		107	77 - 135
1,1-Dichloroethene	ND		53.3	51.5		ug/Kg		97	79 - 135
1,2-Dichloroethene, Total	ND		107	114		ug/Kg		107	78 - 135
1,2-Dichloropropane	ND		53.3	58.5		ug/Kg		110	72 - 121
1,3-Dichloropropane	ND		53.3	49.4		ug/Kg		93	74 - 135
2,2-Dichloropropane	ND		53.3	54.8		ug/Kg		103	69 - 135
1,1-Dichloropropene	ND		53.3	59.7		ug/Kg		112	72 - 135
Ethylbenzene	ND		53.3	49.9		ug/Kg		93	73 - 125
Hexachlorobutadiene	ND		53.3	31.9		ug/Kg		60	52 - 151
2-Hexanone	ND		213	197		ug/Kg		92	67 - 150
Isopropylbenzene	ND		53.3	46.3		ug/Kg		87	74 - 137
4-Isopropyltoluene	ND		53.3	42.3		ug/Kg		79	66 - 135
Methylene Chloride	3.6	J B	53.3	52.2		ug/Kg		91	76 - 136
4-Methyl-2-pentanone (MIBK)	ND		213	239		ug/Kg		112	69 - 150
Methyl tert-butyl ether	ND		53.3	57.6		ug/Kg		108	71 - 141
Naphthalene	ND		53.3	38.0		ug/Kg		71	65 - 135
N-Propylbenzene	ND		53.3	47.4		ug/Kg		89	67 - 135
Styrene	ND		53.3	48.3		ug/Kg		91	76 - 135
1,1,1,2-Tetrachloroethane	ND		53.3	49.1		ug/Kg		92	76 - 135
1,1,2,2-Tetrachloroethane	ND		53.3	46.7		ug/Kg		87	65 - 135
Tetrachloroethene	ND		53.3	46.7		ug/Kg		88	76 - 135
Toluene	ND		53.3	58.2		ug/Kg		109	77 - 122
1,2,3-Trichlorobenzene	ND		53.3	36.9		ug/Kg		69	62 - 135
1,2,4-Trichlorobenzene	ND		53.3	34.9		ug/Kg		65	65 - 135
1,1,1-Trichloroethane	ND		53.3	56.4		ug/Kg		106	70 - 135
1,1,2-Trichloroethane	ND		53.3	57.1		ug/Kg		107	78 - 135
Trichloroethene	ND		53.3	57.1		ug/Kg		107	77 - 135
Trichlorofluoromethane	ND		53.3	67.9		ug/Kg		127	48 - 150
1,2,3-Trichloropropane	ND		53.3	46.3		ug/Kg		87	65 - 135
1,2,4-Trimethylbenzene	ND		53.3	44.1		ug/Kg		83	67 - 135
1,3,5-Trimethylbenzene	ND		53.3	44.3		ug/Kg		83	65 - 135
Vinyl chloride	ND		53.3	64.8		ug/Kg		121	43 - 145
m-Xylene & p-Xylene	ND		53.3	49.7		ug/Kg		93	77 - 135
o-Xylene	ND		53.3	50.3		ug/Kg		94	75 - 135
Xylenes, Total	ND		107	100		ug/Kg		94	76 - 135
Carbon tetrachloride	ND		53.3	55.8		ug/Kg		105	69 - 138
1,2-Dibromoethane	ND		53.3	49.3		ug/Kg		92	76 - 135
cis-1,3-Dichloropropene	ND		53.3	48.2		ug/Kg		90	71 - 135
trans-1,3-Dichloropropene	ND		53.3	58.0		ug/Kg		109	71 - 135

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*110*		*58 - 140*
Toluene-d8 (Surr)	*96*		*80 - 126*
4-Bromofluorobenzene (Surr)	*88*		*76 - 127*
Dibromofluoromethane (Surr)	*111*		*75 - 121*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 280-95601-5 MSD | **Client Sample ID: NA-SO-01-16-18**
Matrix: Solid | **Prep Type: Total/NA**
Analysis Batch: 370092 | **Prep Batch: 370102**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		217	221		ug/Kg		102	65 - 150	3	28
Benzene	ND		54.2	62.0		ug/Kg		114	75 - 135	4	20
Bromobenzene	ND		54.2	47.7		ug/Kg		88	72 - 135	7	22
Chlorobromomethane	ND		54.2	61.0		ug/Kg		113	74 - 135	7	21
Dichlorobromomethane	ND		54.2	63.1		ug/Kg		116	73 - 135	6	20
Bromoform	ND	*	54.2	44.0		ug/Kg		81	77 - 135	2	20
Bromomethane	ND		54.2	63.0	E	ug/Kg		116	52 - 135	6	22
2-Butanone (MEK)	ND	F2	217	373	F2	ug/Kg		172	45 - 177	34	32
n-Butylbenzene	ND		54.2	44.5		ug/Kg		82	68 - 135	4	21
sec-Butylbenzene	ND		54.2	42.8		ug/Kg		79	69 - 135	4	22
tert-Butylbenzene	ND		54.2	46.0		ug/Kg		85	66 - 135	7	22
Chlorobenzene	ND		54.2	49.4		ug/Kg		91	78 - 135	3	20
Chlorodibromomethane	ND	*	54.2	50.8		ug/Kg		94	77 - 135	5	20
Chloroethane	ND		54.2	70.4		ug/Kg		130	51 - 145	0	22
Chloroform	ND		54.2	61.2		ug/Kg		113	73 - 123	7	20
Chloromethane	ND		54.2	65.6		ug/Kg		121	41 - 138	1	25
2-Chlorotoluene	ND		54.2	48.9		ug/Kg		90	67 - 135	6	22
4-Chlorotoluene	ND		54.2	49.1		ug/Kg		91	68 - 135	5	20
1,2-Dibromo-3-Chloropropane	ND		54.2	48.8		ug/Kg		90	66 - 150	8	28
Dibromomethane	ND		54.2	62.5		ug/Kg		115	73 - 135	7	20
1,2-Dichlorobenzene	ND		54.2	48.9		ug/Kg		90	73 - 135	3	20
1,3-Dichlorobenzene	ND		54.2	48.2		ug/Kg		89	69 - 135	2	20
1,4-Dichlorobenzene	ND		54.2	47.3		ug/Kg		87	73 - 135	2	22
Dichlorodifluoromethane	ND		54.2	59.6		ug/Kg		110	32 - 152	1	28
1,1-Dichloroethane	ND		54.2	62.6		ug/Kg		115	70 - 135	5	20
1,2-Dichloroethane	ND		54.2	63.2		ug/Kg		117	69 - 135	6	20
cis-1,2-Dichloroethene	ND		54.2	62.2		ug/Kg		115	76 - 135	8	20
trans-1,2-Dichloroethene	ND		54.2	62.3		ug/Kg		115	77 - 135	8	20
1,1-Dichloroethene	ND		54.2	55.2		ug/Kg		102	79 - 135	7	20
1,2-Dichloroethene, Total	ND		108	125		ug/Kg		115	78 - 135	9	20
1,2-Dichloropropane	ND		54.2	62.6		ug/Kg		116	72 - 121	7	20
1,3-Dichloropropane	ND		54.2	53.6		ug/Kg		99	74 - 135	8	20
2,2-Dichloropropane	ND		54.2	58.8		ug/Kg		109	69 - 135	7	20
1,1-Dichloropropene	ND		54.2	64.1		ug/Kg		118	72 - 135	7	20
Ethylbenzene	ND		54.2	49.1		ug/Kg		91	73 - 125	2	20
Hexachlorobutadiene	ND		54.2	31.8		ug/Kg		59	52 - 151	0	25
2-Hexanone	ND		217	196		ug/Kg		91	67 - 150	0	29
Isopropylbenzene	ND		54.2	49.6		ug/Kg		91	74 - 137	7	20
4-Isopropyltoluene	ND		54.2	44.0		ug/Kg		81	66 - 135	4	20
Methylene Chloride	3.6	J B	54.2	56.8		ug/Kg		98	76 - 136	8	21
4-Methyl-2-pentanone (MIBK)	ND		217	243		ug/Kg		112	69 - 150	2	25
Methyl tert-butyl ether	ND		54.2	63.9		ug/Kg		118	71 - 141	10	20
Naphthalene	ND		54.2	42.5		ug/Kg		79	65 - 135	11	38
N-Propylbenzene	ND		54.2	48.4		ug/Kg		89	67 - 135	2	22
Styrene	ND		54.2	50.3		ug/Kg		93	76 - 135	4	20
1,1,1,2-Tetrachloroethane	ND		54.2	49.9		ug/Kg		92	76 - 135	2	20
1,1,2,2-Tetrachloroethane	ND		54.2	51.1		ug/Kg		94	65 - 135	9	21
Tetrachloroethene	ND		54.2	49.0		ug/Kg		90	76 - 135	5	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 280-95601-5 MSD — **Client Sample ID: NA-SO-01-16-18**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 370092 — **Prep Batch: 370102**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene	ND		54.2	63.0		ug/Kg		116	77 - 122	8	20
1,2,3-Trichlorobenzene	ND		54.2	38.9		ug/Kg		72	62 - 135	5	31
1,2,4-Trichlorobenzene	ND		54.2	35.1		ug/Kg		65	65 - 135	1	26
1,1,1-Trichloroethane	ND		54.2	60.1		ug/Kg		111	70 - 135	6	20
1,1,2-Trichloroethane	ND		54.2	60.9		ug/Kg		112	78 - 135	6	20
Trichloroethene	ND		54.2	60.6		ug/Kg		112	77 - 135	6	20
Trichlorofluoromethane	ND		54.2	64.5		ug/Kg		119	48 - 150	5	33
1,2,3-Trichloropropane	ND		54.2	51.0		ug/Kg		94	65 - 135	10	21
1,2,4-Trimethylbenzene	ND		54.2	46.1		ug/Kg		85	67 - 135	4	20
1,3,5-Trimethylbenzene	ND		54.2	46.3		ug/Kg		85	65 - 135	4	21
Vinyl chloride	ND		54.2	63.4		ug/Kg		117	43 - 145	2	24
m-Xylene & p-Xylene	ND		54.2	51.3		ug/Kg		95	77 - 135	3	20
o-Xylene	ND		54.2	53.0		ug/Kg		98	75 - 135	5	20
Xylenes, Total	ND		108	104		ug/Kg		96	76 - 135	4	20
Carbon tetrachloride	ND		54.2	58.7		ug/Kg		108	69 - 138	5	20
1,2-Dibromoethane	ND		54.2	52.3		ug/Kg		97	76 - 135	6	20
cis-1,3-Dichloropropene	ND		54.2	52.2		ug/Kg		96	71 - 135	8	20
trans-1,3-Dichloropropene	ND		54.2	62.7		ug/Kg		116	71 - 135	8	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*111*		*58 - 140*
Toluene-d8 (Surr)	*93*		*80 - 126*
4-Bromofluorobenzene (Surr)	*92*		*76 - 127*
Dibromofluoromethane (Surr)	*109*		*75 - 121*

Lab Sample ID: 280-95601-16 MS — **Client Sample ID: ST-SO-01-15-16**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 370092 — **Prep Batch: 370102**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		215	195		ug/Kg		91	65 - 150
Benzene	ND		53.8	60.3		ug/Kg		112	75 - 135
Bromobenzene	ND		53.8	40.6		ug/Kg		76	72 - 135
Chlorobromomethane	ND		53.8	58.0		ug/Kg		108	74 - 135
Dichlorobromomethane	ND		53.8	60.0		ug/Kg		111	73 - 135
Bromoform	ND	F1 *	53.8	41.4		ug/Kg		77	77 - 135
Bromomethane	ND		53.8	69.5	E	ug/Kg		129	52 - 135
2-Butanone (MEK)	ND	F1	215	884	E F1	ug/Kg		411	45 - 177
n-Butylbenzene	ND	F1	53.8	32.5	F1	ug/Kg		60	68 - 135
sec-Butylbenzene	ND	F1	53.8	33.2	F1	ug/Kg		62	69 - 135
tert-Butylbenzene	ND		53.8	37.2		ug/Kg		69	66 - 135
Chlorobenzene	ND		53.8	45.3		ug/Kg		84	78 - 135
Chlorodibromomethane	ND	*	53.8	48.0		ug/Kg		89	77 - 135
Chloroethane	ND	F1	53.8	81.2	F1	ug/Kg		151	51 - 145
Chloroform	ND		53.8	59.7		ug/Kg		111	73 - 123
Chloromethane	ND		53.8	68.8		ug/Kg		128	41 - 138
2-Chlorotoluene	ND		53.8	41.4		ug/Kg		77	67 - 135
4-Chlorotoluene	ND		53.8	40.7		ug/Kg		76	68 - 135

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 280-95601-16 MS
Matrix: Solid
Analysis Batch: 370092

Client Sample ID: ST-SO-01-15-16
Prep Type: Total/NA
Prep Batch: 370102

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	ND		53.8	39.1		ug/Kg		73	66 - 150
Dibromomethane	ND		53.8	60.1		ug/Kg		112	73 - 135
1,2-Dichlorobenzene	ND	F1	53.8	40.1		ug/Kg		75	73 - 135
1,3-Dichlorobenzene	ND		53.8	40.0		ug/Kg		74	69 - 135
1,4-Dichlorobenzene	ND	F1	53.8	38.8	F1	ug/Kg		72	73 - 135
Dichlorodifluoromethane	ND		53.8	64.8		ug/Kg		120	32 - 152
1,1-Dichloroethane	ND		53.8	61.3		ug/Kg		114	70 - 135
1,2-Dichloroethane	ND		53.8	59.5		ug/Kg		111	69 - 135
cis-1,2-Dichloroethene	ND		53.8	57.9		ug/Kg		108	76 - 135
trans-1,2-Dichloroethene	ND		53.8	59.0		ug/Kg		110	77 - 135
1,1-Dichloroethene	ND		53.8	54.0		ug/Kg		100	79 - 135
1,2-Dichloroethene, Total	ND		108	117		ug/Kg		109	78 - 135
1,2-Dichloropropane	ND		53.8	59.6		ug/Kg		111	72 - 121
1,3-Dichloropropane	ND		53.8	50.2		ug/Kg		93	74 - 135
2,2-Dichloropropane	ND		53.8	51.5		ug/Kg		96	69 - 135
1,1-Dichloropropene	ND		53.8	60.3		ug/Kg		112	72 - 135
Ethylbenzene	ND		53.8	48.2		ug/Kg		90	73 - 125
Hexachlorobutadiene	ND	F1	53.8	21.8	F1	ug/Kg		41	52 - 151
2-Hexanone	ND		215	189		ug/Kg		88	67 - 150
Isopropylbenzene	ND		53.8	41.3		ug/Kg		77	74 - 137
4-Isopropyltoluene	ND	F1	53.8	34.2	F1	ug/Kg		63	66 - 135
Methylene Chloride	2.8	J B	53.8	55.2		ug/Kg		98	76 - 136
4-Methyl-2-pentanone (MIBK)	ND		215	235		ug/Kg		109	69 - 150
Methyl tert-butyl ether	ND		53.8	58.2		ug/Kg		108	71 - 141
Naphthalene	ND	F1	53.8	28.4	F1	ug/Kg		53	65 - 135
N-Propylbenzene	ND		53.8	41.5		ug/Kg		77	67 - 135
Styrene	ND		53.8	46.5		ug/Kg		86	76 - 135
1,1,1,2-Tetrachloroethane	ND		53.8	49.2		ug/Kg		91	76 - 135
1,1,2,2-Tetrachloroethane	ND		53.8	43.6		ug/Kg		81	65 - 135
Tetrachloroethene	ND		53.8	45.5		ug/Kg		85	76 - 135
Toluene	ND		53.8	59.2		ug/Kg		110	77 - 122
1,2,3-Trichlorobenzene	ND	F1	53.8	26.1	F1	ug/Kg		48	62 - 135
1,2,4-Trichlorobenzene	ND	F1	53.8	23.9	F1	ug/Kg		44	65 - 135
1,1,1-Trichloroethane	ND		53.8	57.8		ug/Kg		107	70 - 135
1,1,2-Trichloroethane	ND		53.8	56.7		ug/Kg		105	78 - 135
Trichloroethene	ND		53.8	55.8		ug/Kg		104	77 - 135
Trichlorofluoromethane	ND		53.8	71.7		ug/Kg		133	48 - 150
1,2,3-Trichloropropane	ND		53.8	43.9		ug/Kg		82	65 - 135
1,2,4-Trimethylbenzene	ND		53.8	37.9		ug/Kg		70	67 - 135
1,3,5-Trimethylbenzene	ND		53.8	39.2		ug/Kg		73	65 - 135
Vinyl chloride	ND		53.8	67.2		ug/Kg		125	43 - 145
m-Xylene & p-Xylene	ND		53.8	48.1		ug/Kg		89	77 - 135
o-Xylene	ND		53.8	51.2		ug/Kg		95	75 - 135
Xylenes, Total	ND		108	99.3		ug/Kg		92	76 - 135
Carbon tetrachloride	ND		53.8	55.6		ug/Kg		103	69 - 138
1,2-Dibromoethane	ND		53.8	47.4		ug/Kg		88	76 - 135
cis-1,3-Dichloropropene	ND		53.8	45.9		ug/Kg		85	71 - 135
trans-1,3-Dichloropropene	ND		53.8	55.0		ug/Kg		102	71 - 135

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 280-95601-16 MS
Matrix: Solid
Analysis Batch: 370092

Client Sample ID: ST-SO-01-15-16
Prep Type: Total/NA
Prep Batch: 370102

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*114*		*58 - 140*
Toluene-d8 (Surr)	*97*		*80 - 126*
4-Bromofluorobenzene (Surr)	*91*		*76 - 127*
Dibromofluoromethane (Surr)	*115*		*75 - 121*

Lab Sample ID: 280-95601-16 MSD
Matrix: Solid
Analysis Batch: 370092

Client Sample ID: ST-SO-01-15-16
Prep Type: Total/NA
Prep Batch: 370102

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		216	179		ug/Kg		83	65 - 150	9	28
Benzene	ND		53.9	58.4		ug/Kg		108	75 - 135	3	20
Bromobenzene	ND		53.9	39.3		ug/Kg		73	72 - 135	3	22
Chlorobromomethane	ND		53.9	55.5		ug/Kg		103	74 - 135	4	21
Dichlorobromomethane	ND		53.9	56.7		ug/Kg		105	73 - 135	6	20
Bromoform	ND	F1 *	53.9	38.5	F1	ug/Kg		71	77 - 135	7	20
Bromomethane	ND		53.9	61.9	E	ug/Kg		115	52 - 135	12	22
2-Butanone (MEK)	ND	F1	216	890	E F1	ug/Kg		412	45 - 177	1	32
n-Butylbenzene	ND	F1	53.9	33.1	F1	ug/Kg		61	68 - 135	2	21
sec-Butylbenzene	ND	F1	53.9	35.0	F1	ug/Kg		65	69 - 135	5	22
tert-Butylbenzene	ND		53.9	38.2		ug/Kg		71	66 - 135	3	22
Chlorobenzene	ND		53.9	43.5		ug/Kg		81	78 - 135	4	20
Chlorodibromomethane	ND	*	53.9	45.6		ug/Kg		85	77 - 135	5	20
Chloroethane	ND	F1	53.9	76.5		ug/Kg		142	51 - 145	6	22
Chloroform	ND		53.9	57.0		ug/Kg		106	73 - 123	5	20
Chloromethane	ND		53.9	66.1		ug/Kg		122	41 - 138	4	25
2-Chlorotoluene	ND		53.9	41.8		ug/Kg		77	67 - 135	1	22
4-Chlorotoluene	ND		53.9	40.0		ug/Kg		74	68 - 135	2	20
1,2-Dibromo-3-Chloropropane	ND		53.9	38.4		ug/Kg		71	66 - 150	2	28
Dibromomethane	ND		53.9	56.5		ug/Kg		105	73 - 135	6	20
1,2-Dichlorobenzene	ND	F1	53.9	38.5	F1	ug/Kg		71	73 - 135	4	20
1,3-Dichlorobenzene	ND		53.9	39.2		ug/Kg		73	69 - 135	2	20
1,4-Dichlorobenzene	ND	F1	53.9	37.8	F1	ug/Kg		70	73 - 135	3	22
Dichlorodifluoromethane	ND		53.9	62.1		ug/Kg		115	32 - 152	4	28
1,1-Dichloroethane	ND		53.9	58.8		ug/Kg		109	70 - 135	4	20
1,2-Dichloroethane	ND		53.9	58.1		ug/Kg		108	69 - 135	2	20
cis-1,2-Dichloroethene	ND		53.9	56.1		ug/Kg		104	76 - 135	3	20
trans-1,2-Dichloroethene	ND		53.9	57.1		ug/Kg		106	77 - 135	3	20
1,1-Dichloroethene	ND		53.9	52.7		ug/Kg		98	79 - 135	3	20
1,2-Dichloroethene, Total	ND		108	113		ug/Kg		105	78 - 135	3	20
1,2-Dichloropropane	ND		53.9	57.4		ug/Kg		106	72 - 121	4	20
1,3-Dichloropropane	ND		53.9	46.6		ug/Kg		86	74 - 135	8	20
2,2-Dichloropropane	ND		53.9	48.9		ug/Kg		91	69 - 135	5	20
1,1-Dichloropropene	ND		53.9	57.6		ug/Kg		107	72 - 135	5	20
Ethylbenzene	ND		53.9	45.4		ug/Kg		84	73 - 125	6	20
Hexachlorobutadiene	ND	F1	53.9	23.0	F1	ug/Kg		43	52 - 151	5	25
2-Hexanone	ND		216	167		ug/Kg		78	67 - 150	12	29
Isopropylbenzene	ND		53.9	42.4		ug/Kg		79	74 - 137	3	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 280-95601-16 MSD — **Client Sample ID: ST-SO-01-15-16**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 370092 — **Prep Batch: 370102**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4-Isopropyltoluene	ND	F1	53.9	35.0	F1	ug/Kg		65	66 - 135	2	20
Methylene Chloride	2.8	J B	53.9	52.3		ug/Kg		92	76 - 136	5	21
4-Methyl-2-pentanone (MIBK)	ND		216	215		ug/Kg		100	69 - 150	9	25
Methyl tert-butyl ether	ND		53.9	56.8		ug/Kg		105	71 - 141	2	20
Naphthalene	ND	F1	53.9	29.3	F1	ug/Kg		54	65 - 135	3	38
N-Propylbenzene	ND		53.9	41.8		ug/Kg		77	67 - 135	1	22
Styrene	ND		53.9	42.5		ug/Kg		79	76 - 135	9	20
1,1,1,2-Tetrachloroethane	ND		53.9	46.2		ug/Kg		86	76 - 135	6	20
1,1,2,2-Tetrachloroethane	ND		53.9	42.7		ug/Kg		79	65 - 135	2	21
Tetrachloroethene	ND		53.9	42.8		ug/Kg		79	76 - 135	6	20
Toluene	ND		53.9	56.7		ug/Kg		105	77 - 122	4	20
1,2,3-Trichlorobenzene	ND	F1	53.9	25.7	F1	ug/Kg		48	62 - 135	2	31
1,2,4-Trichlorobenzene	ND	F1	53.9	24.0	F1	ug/Kg		45	65 - 135	1	26
1,1,1-Trichloroethane	ND		53.9	54.5		ug/Kg		101	70 - 135	6	20
1,1,2-Trichloroethane	ND		53.9	55.5		ug/Kg		103	78 - 135	2	20
Trichloroethene	ND		53.9	55.3		ug/Kg		103	77 - 135	1	20
Trichlorofluoromethane	ND		53.9	68.7		ug/Kg		127	48 - 150	4	33
1,2,3-Trichloropropane	ND		53.9	42.3		ug/Kg		78	65 - 135	4	21
1,2,4-Trimethylbenzene	ND		53.9	37.8		ug/Kg		70	67 - 135	0	20
1,3,5-Trimethylbenzene	ND		53.9	38.8		ug/Kg		72	65 - 135	1	21
Vinyl chloride	ND		53.9	64.7		ug/Kg		120	43 - 145	4	24
m-Xylene & p-Xylene	ND		53.9	46.5		ug/Kg		86	77 - 135	3	20
o-Xylene	ND		53.9	46.2		ug/Kg		86	75 - 135	10	20
Xylenes, Total	ND		108	92.7		ug/Kg		86	76 - 135	7	20
Carbon tetrachloride	ND		53.9	53.8		ug/Kg		100	69 - 138	3	20
1,2-Dibromoethane	ND		53.9	44.5		ug/Kg		83	76 - 135	6	20
cis-1,3-Dichloropropene	ND		53.9	43.8		ug/Kg		81	71 - 135	5	20
trans-1,3-Dichloropropene	ND		53.9	51.4		ug/Kg		95	71 - 135	7	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*111*		*58 - 140*
Toluene-d8 (Surr)	*96*		*80 - 126*
4-Bromofluorobenzene (Surr)	*93*		*76 - 127*
Dibromofluoromethane (Surr)	*113*		*75 - 121*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 280-368590/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 368951 — **Prep Batch: 368590**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		4.0	0.29	ug/L		04/09/17 09:10	04/11/17 18:46	1
Acenaphthene	ND		4.0	0.28	ug/L		04/09/17 09:10	04/11/17 18:46	1
Acenaphthylene	ND		4.0	0.49	ug/L		04/09/17 09:10	04/11/17 18:46	1
Anthracene	ND		4.0	0.42	ug/L		04/09/17 09:10	04/11/17 18:46	1
Benzo[a]anthracene	ND		4.0	0.35	ug/L		04/09/17 09:10	04/11/17 18:46	1
Benzo[a]pyrene	ND		4.0	0.31	ug/L		04/09/17 09:10	04/11/17 18:46	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 280-368590/1-A
Matrix: Water
Analysis Batch: 368951

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 368590

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		4.0	0.53	ug/L		04/09/17 09:10	04/11/17 18:46	1
Benzo[g,h,i]perylene	ND		4.0	0.50	ug/L		04/09/17 09:10	04/11/17 18:46	1
Benzo[k]fluoranthene	ND		4.0	0.46	ug/L		04/09/17 09:10	04/11/17 18:46	1
Chrysene	ND		4.0	0.54	ug/L		04/09/17 09:10	04/11/17 18:46	1
Dibenz(a,h)anthracene	ND		4.0	0.51	ug/L		04/09/17 09:10	04/11/17 18:46	1
Fluoranthene	ND		4.0	0.20	ug/L		04/09/17 09:10	04/11/17 18:46	1
Fluorene	ND		4.0	0.31	ug/L		04/09/17 09:10	04/11/17 18:46	1
Indeno[1,2,3-cd]pyrene	ND		4.0	0.65	ug/L		04/09/17 09:10	04/11/17 18:46	1
Naphthalene	ND		4.0	0.29	ug/L		04/09/17 09:10	04/11/17 18:46	1
Phenanthrene	ND		4.0	0.26	ug/L		04/09/17 09:10	04/11/17 18:46	1
Pyrene	ND		10	0.37	ug/L		04/09/17 09:10	04/11/17 18:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*79*		*48 - 135*	*04/09/17 09:10*	*04/11/17 18:46*	*1*
Nitrobenzene-d5	*83*		*42 - 135*	*04/09/17 09:10*	*04/11/17 18:46*	*1*
Terphenyl-d14	*87*		*20 - 135*	*04/09/17 09:10*	*04/11/17 18:46*	*1*

Lab Sample ID: LCS 280-368590/2-A
Matrix: Water
Analysis Batch: 368951

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 368590

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	80.0	53.8		ug/L		67	61 - 135
Acenaphthylene	80.0	53.1		ug/L		66	63 - 135
Anthracene	80.0	55.4		ug/L		69	65 - 135
Benzo[a]anthracene	80.0	55.3		ug/L		69	65 - 135
Benzo[a]pyrene	80.0	54.2		ug/L		68	65 - 135
Benzo[b]fluoranthene	80.0	55.3		ug/L		69	65 - 135
Benzo[g,h,i]perylene	80.0	55.1		ug/L		69	65 - 135
Benzo[k]fluoranthene	80.0	56.6		ug/L		71	65 - 135
Chrysene	80.0	54.6		ug/L		68	65 - 135
Dibenz(a,h)anthracene	80.0	56.5		ug/L		71	63 - 135
Fluoranthene	80.0	58.4		ug/L		73	65 - 135
Fluorene	80.0	55.2		ug/L		69	65 - 135
Indeno[1,2,3-cd]pyrene	80.0	56.7		ug/L		71	65 - 135
Naphthalene	80.0	50.4		ug/L		63	56 - 135
Phenanthrene	80.0	55.9		ug/L		70	65 - 135
Pyrene	80.0	54.5		ug/L		68	65 - 135

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*81*		*48 - 135*
Nitrobenzene-d5	*88*		*42 - 135*
Terphenyl-d14	*89*		*20 - 135*

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 280-368590/23-A
Matrix: Water
Analysis Batch: 368951

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 368590

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	80.0	54.7		ug/L		68	61 - 135	2	30
Acenaphthylene	80.0	55.5		ug/L		69	63 - 135	4	30
Anthracene	80.0	55.8		ug/L		70	65 - 135	1	30
Benzo[a]anthracene	80.0	56.9		ug/L		71	65 - 135	3	30
Benzo[a]pyrene	80.0	55.9		ug/L		70	65 - 135	3	30
Benzo[b]fluoranthene	80.0	56.2		ug/L		70	65 - 135	2	30
Benzo[g,h,i]perylene	80.0	56.6		ug/L		71	65 - 135	3	30
Benzo[k]fluoranthene	80.0	57.0		ug/L		71	65 - 135	1	30
Chrysene	80.0	56.5		ug/L		71	65 - 135	3	30
Dibenz(a,h)anthracene	80.0	57.9		ug/L		72	63 - 135	2	30
Fluoranthene	80.0	57.3		ug/L		72	65 - 135	2	30
Fluorene	80.0	56.0		ug/L		70	65 - 135	1	30
Indeno[1,2,3-cd]pyrene	80.0	57.7		ug/L		72	65 - 135	2	30
Naphthalene	80.0	54.3		ug/L		68	56 - 135	7	40
Phenanthrene	80.0	55.9		ug/L		70	65 - 135	0	30
Pyrene	80.0	56.4		ug/L		71	65 - 135	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*81*		*48 - 135*
Nitrobenzene-d5	*86*		*42 - 135*
Terphenyl-d14	*87*		*20 - 135*

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM)

Lab Sample ID: MB 280-368898/1-A
Matrix: Solid
Analysis Batch: 369062

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 368898

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		5000	1200	ng/Kg		04/11/17 12:41	04/12/17 11:13	1
Benzo[a]pyrene	ND		5000	740	ng/Kg		04/11/17 12:41	04/12/17 11:13	1
Benzo[a]anthracene	ND		5000	900	ng/Kg		04/11/17 12:41	04/12/17 11:13	1
Benzo[k]fluoranthene	ND		5000	1000	ng/Kg		04/11/17 12:41	04/12/17 11:13	1
Benzo[g,h,i]perylene	ND		5000	1100	ng/Kg		04/11/17 12:41	04/12/17 11:13	1
Phenanthrene	ND		5000	1100	ng/Kg		04/11/17 12:41	04/12/17 11:13	1
Anthracene	ND		5000	720	ng/Kg		04/11/17 12:41	04/12/17 11:13	1
Dibenz(a,h)anthracene	ND		5000	1300	ng/Kg		04/11/17 12:41	04/12/17 11:13	1
Chrysene	ND		5000	1000	ng/Kg		04/11/17 12:41	04/12/17 11:13	1
Acenaphthene	ND		5000	160	ng/Kg		04/11/17 12:41	04/12/17 11:13	1
Acenaphthylene	ND		5000	170	ng/Kg		04/11/17 12:41	04/12/17 11:13	1
Fluoranthene	ND		5000	1000	ng/Kg		04/11/17 12:41	04/12/17 11:13	1
Fluorene	ND		5000	470	ng/Kg		04/11/17 12:41	04/12/17 11:13	1
Pyrene	ND		5000	1100	ng/Kg		04/11/17 12:41	04/12/17 11:13	1
Indeno[1,2,3-cd]pyrene	ND		5000	1100	ng/Kg		04/11/17 12:41	04/12/17 11:13	1
2-Methylnaphthalene	ND		5000	310	ng/Kg		04/11/17 12:41	04/12/17 11:13	1
Naphthalene	ND		5000	330	ng/Kg		04/11/17 12:41	04/12/17 11:13	1

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: MB 280-368898/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 369062 — **Prep Batch: 368898**

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	88		39 - 120	04/11/17 12:41	04/12/17 11:13	1
Nitrobenzene-d5	93		42 - 120	04/11/17 12:41	04/12/17 11:13	1
Terphenyl-d14	80		35 - 124	04/11/17 12:41	04/12/17 11:13	1

Lab Sample ID: LCS 280-368898/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 369062 — **Prep Batch: 368898**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[b]fluoranthene	30000	30700		ng/Kg		102	37 - 120
Benzo[a]pyrene	30000	31400		ng/Kg		105	20 - 120
Benzo[a]anthracene	30000	31600		ng/Kg		105	36 - 120
Benzo[k]fluoranthene	30000	31700		ng/Kg		106	46 - 120
Benzo[g,h,i]perylene	30000	28900		ng/Kg		96	20 - 123
Phenanthrene	30000	31000		ng/Kg		103	44 - 120
Anthracene	30000	31400		ng/Kg		105	43 - 120
Dibenz(a,h)anthracene	30000	30600		ng/Kg		102	20 - 120
Chrysene	30000	32400		ng/Kg		108	34 - 120
Acenaphthene	30000	29300		ng/Kg		98	35 - 120
Acenaphthylene	30000	28300		ng/Kg		94	41 - 120
Fluoranthene	30000	31500		ng/Kg		105	45 - 120
Fluorene	30000	28700		ng/Kg		96	44 - 120
Pyrene	30000	31200		ng/Kg		104	43 - 120
Indeno[1,2,3-cd]pyrene	30000	22000		ng/Kg		73	20 - 127
Naphthalene	30000	27600		ng/Kg		92	44 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	88		39 - 120
Nitrobenzene-d5	92		42 - 120
Terphenyl-d14	89		35 - 124

Lab Sample ID: 280-95601-7 MS — **Client Sample ID: NA-SO-02-01-09**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 369062 — **Prep Batch: 368898**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[b]fluoranthene	54000	F1	28000	94200	F1	ng/Kg		142	37 - 120
Benzo[a]pyrene	38000	F1	28000	85700	F1	ng/Kg		172	20 - 120
Benzo[a]anthracene	17000	F1	28000	50600	F1	ng/Kg		121	36 - 120
Benzo[k]fluoranthene	16000	F1	28000	57300	F1	ng/Kg		147	46 - 120
Benzo[g,h,i]perylene	25000		28000	57000		ng/Kg		114	20 - 123
Phenanthrene	8500		28000	37100		ng/Kg		102	44 - 120
Anthracene	2000	J	28000	33100		ng/Kg		111	43 - 120
Dibenz(a,h)anthracene	6500		28000	39800		ng/Kg		119	20 - 120
Chrysene	28000		28000	59300		ng/Kg		111	34 - 120
Acenaphthene	ND		28000	26600		ng/Kg		95	35 - 120
Acenaphthylene	710	J	28000	29100		ng/Kg		102	41 - 120
Fluoranthene	36000	F1	28000	68900		ng/Kg		116	45 - 120

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: 280-95601-7 MS — **Client Sample ID: NA-SO-02-01-09**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 369062 — **Prep Batch: 368898**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluorene	500	J	28000	27200		ng/Kg		95	44 - 120
Pyrene	32000	F1	28000	63300		ng/Kg		114	43 - 120
Indeno[1,2,3-cd]pyrene	25000	F1	28000	61400	F1	ng/Kg		131	20 - 127
Naphthalene	1500	J	28000	28200		ng/Kg		95	44 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*76*		*39 - 120*
Nitrobenzene-d5	*121*	*X*	*42 - 120*
Terphenyl-d14	*88*		*35 - 124*

Lab Sample ID: 280-95601-7 MSD — **Client Sample ID: NA-SO-02-01-09**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 369062 — **Prep Batch: 368898**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzo[b]fluoranthene	54000	F1	28500	97700	F1	ng/Kg		152	37 - 120	4	28
Benzo[a]pyrene	38000	F1	28500	90100	F1	ng/Kg		184	20 - 120	5	30
Benzo[a]anthracene	17000	F1	28500	54700	F1	ng/Kg		133	36 - 120	8	40
Benzo[k]fluoranthene	16000	F1	28500	60000	F1	ng/Kg		154	46 - 120	5	28
Benzo[g,h,i]perylene	25000		28500	57700		ng/Kg		114	20 - 123	1	30
Phenanthrene	8500		28500	42000		ng/Kg		118	44 - 120	12	42
Anthracene	2000	J	28500	34000		ng/Kg		112	43 - 120	3	50
Dibenz(a,h)anthracene	6500		28500	40300		ng/Kg		119	20 - 120	1	25
Chrysene	28000		28500	62600		ng/Kg		120	34 - 120	5	41
Acenaphthene	ND		28500	26600		ng/Kg		93	35 - 120	0	50
Acenaphthylene	710	J	28500	28400		ng/Kg		97	41 - 120	2	50
Fluoranthene	36000	F1	28500	79200	F1	ng/Kg		151	45 - 120	14	30
Fluorene	500	J	28500	27800		ng/Kg		96	44 - 120	2	50
Pyrene	32000	F1	28500	71800	F1	ng/Kg		141	43 - 120	13	30
Indeno[1,2,3-cd]pyrene	25000	F1	28500	61300	F1	ng/Kg		128	20 - 127	0	50
Naphthalene	1500	J	28500	26800		ng/Kg		89	44 - 120	5	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*73*		*39 - 120*
Nitrobenzene-d5	*100*		*42 - 120*
Terphenyl-d14	*88*		*35 - 124*

Lab Sample ID: 280-95601-14 MS — **Client Sample ID: ST-SO-01-01-09**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 369062 — **Prep Batch: 368898**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[b]fluoranthene	59000	F1 F2	28200	127000	F1	ng/Kg		241	37 - 120
Benzo[a]pyrene	47000	F1 F2	28200	127000	F1	ng/Kg		282	20 - 120
Benzo[a]anthracene	27000	F1	28200	92000	F1	ng/Kg		230	36 - 120
Benzo[k]fluoranthene	22000	F1	28200	70800	F1	ng/Kg		174	46 - 120
Benzo[g,h,i]perylene	27000	F1	28200	66000	F1	ng/Kg		138	20 - 123
Phenanthrene	18000	F1	28200	68300	F1	ng/Kg		178	44 - 120

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: 280-95601-14 MS — **Client Sample ID: ST-SO-01-01-09**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 369062 — **Prep Batch: 368898**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Anthracene	4600	J F1	28200	39700	F1	ng/Kg		124	43 - 120
Dibenz(a,h)anthracene	7800	F1	28200	44300	F1	ng/Kg		129	20 - 120
Chrysene	34000	F1	28200	93000	F1	ng/Kg		209	34 - 120
Acenaphthene	1700	J	28200	25900		ng/Kg		86	35 - 120
Acenaphthylene	1900	J	28200	27500		ng/Kg		91	41 - 120
Fluoranthene	52000	F1 F2	28200	138000	F1	ng/Kg		305	45 - 120
Fluorene	1500	J	28200	26200		ng/Kg		88	44 - 120
Pyrene	46000	F1 F2	28200	125000	F1	ng/Kg		281	43 - 120
Indeno[1,2,3-cd]pyrene	26000	F1	28200	70500	F1	ng/Kg		156	20 - 127
Naphthalene	1600	J	28200	23800		ng/Kg		79	44 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*68*		*39 - 120*
Nitrobenzene-d5	*101*		*42 - 120*
Terphenyl-d14	*82*		*35 - 124*

Lab Sample ID: 280-95601-14 MSD — **Client Sample ID: ST-SO-01-01-09**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 369062 — **Prep Batch: 368898**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzo[b]fluoranthene	59000	F1 F2	29700	89600	F2	ng/Kg		103	37 - 120	34	28
Benzo[a]pyrene	47000	F1 F2	29700	92200	F1 F2	ng/Kg		152	20 - 120	31	30
Benzo[a]anthracene	27000	F1	29700	62800		ng/Kg		120	36 - 120	38	40
Benzo[k]fluoranthene	22000	F1	29700	61900	F1	ng/Kg		135	46 - 120	13	28
Benzo[g,h,i]perylene	27000	F1	29700	55100		ng/Kg		95	20 - 123	18	30
Phenanthrene	18000	F1	29700	44600		ng/Kg		90	44 - 120	42	42
Anthracene	4600	J F1	29700	36500		ng/Kg		107	43 - 120	8	50
Dibenz(a,h)anthracene	7800	F1	29700	41400		ng/Kg		113	20 - 120	7	25
Chrysene	34000	F1	29700	63600		ng/Kg		99	34 - 120	38	41
Acenaphthene	1700	J	29700	29100		ng/Kg		92	35 - 120	12	50
Acenaphthylene	1900	J	29700	31600		ng/Kg		100	41 - 120	14	50
Fluoranthene	52000	F1 F2	29700	82900	F2	ng/Kg		104	45 - 120	50	30
Fluorene	1500	J	29700	29000		ng/Kg		93	44 - 120	10	50
Pyrene	46000	F1 F2	29700	76600	F2	ng/Kg		104	43 - 120	48	30
Indeno[1,2,3-cd]pyrene	26000	F1	29700	60000		ng/Kg		113	20 - 127	16	50
Naphthalene	1600	J	29700	27200		ng/Kg		86	44 - 120	13	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*74*		*39 - 120*
Nitrobenzene-d5	*113*		*42 - 120*
Terphenyl-d14	*86*		*35 - 124*

Method: 8081A - Organochlorine Pesticides (GC)

Lab Sample ID: MB 280-368975/1-A
Matrix: Water
Analysis Batch: 369405

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 368975

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.050	0.0024	ug/L		04/12/17 08:34	04/15/17 03:14	1
alpha-BHC	ND		0.050	0.0020	ug/L		04/12/17 08:34	04/15/17 03:14	1
beta-BHC	ND		0.050	0.0091	ug/L		04/12/17 08:34	04/15/17 03:14	1
delta-BHC	ND		0.050	0.0078	ug/L		04/12/17 08:34	04/15/17 03:14	1
gamma-BHC (Lindane)	ND		0.050	0.0036	ug/L		04/12/17 08:34	04/15/17 03:14	1
Chlordane (n.o.s.)	ND		0.50	0.12	ug/L		04/12/17 08:34	04/15/17 03:14	1
4,4'-DDD	ND		0.050	0.0042	ug/L		04/12/17 08:34	04/15/17 03:14	1
4,4'-DDE	ND		0.050	0.0042	ug/L		04/12/17 08:34	04/15/17 03:14	1
4,4'-DDT	ND		0.050	0.0030	ug/L		04/12/17 08:34	04/15/17 03:14	1
Dieldrin	ND		0.050	0.0046	ug/L		04/12/17 08:34	04/15/17 03:14	1
Endosulfan I	ND		0.050	0.0022	ug/L		04/12/17 08:34	04/15/17 03:14	1
Endosulfan II	ND		0.050	0.0066	ug/L		04/12/17 08:34	04/15/17 03:14	1
Endosulfan sulfate	ND		0.050	0.0049	ug/L		04/12/17 08:34	04/15/17 03:14	1
Endrin	ND		0.050	0.0024	ug/L		04/12/17 08:34	04/15/17 03:14	1
Endrin aldehyde	ND		0.050	0.0040	ug/L		04/12/17 08:34	04/15/17 03:14	1
Heptachlor	ND		0.050	0.010	ug/L		04/12/17 08:34	04/15/17 03:14	1
Heptachlor epoxide	ND		0.050	0.0032	ug/L		04/12/17 08:34	04/15/17 03:14	1
Methoxychlor	ND		0.10	0.014	ug/L		04/12/17 08:34	04/15/17 03:14	1
Toxaphene	ND		2.0	0.42	ug/L		04/12/17 08:34	04/15/17 03:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*89*		*34 - 122*	*04/12/17 08:34*	*04/15/17 03:14*	*1*
Tetrachloro-m-xylene	*84*		*28 - 115*	*04/12/17 08:34*	*04/15/17 03:14*	*1*

Lab Sample ID: LCS 280-368975/2-A
Matrix: Water
Analysis Batch: 369405

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 368975

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	0.500	0.417		ug/L		83	21 - 119
alpha-BHC	0.500	0.451		ug/L		90	69 - 124
beta-BHC	0.500	0.393		ug/L		79	56 - 125
delta-BHC	0.500	0.454		ug/L		91	70 - 130
gamma-BHC (Lindane)	0.500	0.452		ug/L		90	68 - 126
4,4'-DDD	0.500	0.489		ug/L		98	66 - 135
4,4'-DDE	0.500	0.477		ug/L		95	56 - 128
4,4'-DDT	0.500	0.485		ug/L		97	60 - 149
Dieldrin	0.500	0.472		ug/L		94	70 - 130
Endosulfan I	0.500	0.459		ug/L		92	64 - 125
Endosulfan II	0.500	0.466		ug/L		93	67 - 132
Endosulfan sulfate	0.500	0.472		ug/L		94	72 - 132
Endrin	0.500	0.487		ug/L		97	70 - 134
Endrin aldehyde	0.500	0.435		ug/L		87	63 - 129
Heptachlor	0.500	0.434		ug/L		87	29 - 127
Heptachlor epoxide	0.500	0.466		ug/L		93	70 - 129
Methoxychlor	0.500	0.472		ug/L		94	54 - 154

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 280-368975/2-A
Matrix: Water
Analysis Batch: 369405

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 368975

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	89		34 - 122
Tetrachloro-m-xylene	74		28 - 115

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 280-368827/1-A
Matrix: Solid
Analysis Batch: 369528

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 368827

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan I	ND		1.7	0.18	ug/Kg		04/11/17 10:20	04/16/17 05:07	1
Endosulfan II	ND		1.7	0.29	ug/Kg		04/11/17 10:20	04/16/17 05:07	1
Endosulfan sulfate	ND		1.7	0.28	ug/Kg		04/11/17 10:20	04/16/17 05:07	1
Endrin	ND		1.7	0.31	ug/Kg		04/11/17 10:20	04/16/17 05:07	1
Endrin aldehyde	ND		1.7	0.17	ug/Kg		04/11/17 10:20	04/16/17 05:07	1
Endrin ketone	ND		1.7	0.49	ug/Kg		04/11/17 10:20	04/16/17 05:07	1
beta-BHC	ND		1.7	0.66	ug/Kg		04/11/17 10:20	04/16/17 05:07	1
alpha-BHC	ND		1.7	0.21	ug/Kg		04/11/17 10:20	04/16/17 05:07	1
delta-BHC	ND		1.7	0.40	ug/Kg		04/11/17 10:20	04/16/17 05:07	1
gamma-BHC (Lindane)	ND		1.7	0.46	ug/Kg		04/11/17 10:20	04/16/17 05:07	1
gamma-Chlordane	ND		1.7	0.27	ug/Kg		04/11/17 10:20	04/16/17 05:07	1
4,4'-DDD	ND		1.7	0.55	ug/Kg		04/11/17 10:20	04/16/17 05:07	1
4,4'-DDE	ND		1.7	0.24	ug/Kg		04/11/17 10:20	04/16/17 05:07	1
4,4'-DDT	ND		1.7	0.59	ug/Kg		04/11/17 10:20	04/16/17 05:07	1
Heptachlor	ND		1.7	0.21	ug/Kg		04/11/17 10:20	04/16/17 05:07	1
Heptachlor epoxide	ND		1.7	0.43	ug/Kg		04/11/17 10:20	04/16/17 05:07	1
Dieldrin	ND		1.7	0.21	ug/Kg		04/11/17 10:20	04/16/17 05:07	1
Aldrin	ND		1.7	0.25	ug/Kg		04/11/17 10:20	04/16/17 05:07	1
Methoxychlor	ND		3.3	0.45	ug/Kg		04/11/17 10:20	04/16/17 05:07	1
Toxaphene	ND		67	16	ug/Kg		04/11/17 10:20	04/16/17 05:07	1
alpha-Chlordane	ND		1.7	0.32	ug/Kg		04/11/17 10:20	04/16/17 05:07	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	88		63 - 124	04/11/17 10:20	04/16/17 05:07	1
Tetrachloro-m-xylene	80		59 - 115	04/11/17 10:20	04/16/17 05:07	1

Lab Sample ID: LCS 280-368827/2-A
Matrix: Solid
Analysis Batch: 369528

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 368827

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Endosulfan I	16.7	14.5		ug/Kg		87	67 - 115
Endosulfan II	16.7	15.2		ug/Kg		91	69 - 120
Endosulfan sulfate	16.7	15.0		ug/Kg		90	69 - 126
Endrin	16.7	16.3		ug/Kg		98	69 - 129
Endrin aldehyde	16.7	11.8		ug/Kg		71	41 - 128
Endrin ketone	16.7	13.9		ug/Kg		83	70 - 125

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 280-368827/2-A
Matrix: Solid
Analysis Batch: 369528

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 368827

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
beta-BHC	16.7	12.7		ug/Kg		76	62 - 121
alpha-BHC	16.7	13.7		ug/Kg		82	65 - 122
delta-BHC	16.7	14.5		ug/Kg		87	67 - 122
gamma-BHC (Lindane)	16.7	13.9		ug/Kg		84	66 - 120
gamma-Chlordane	16.7	14.2		ug/Kg		85	69 - 122
4,4'-DDD	16.7	15.7		ug/Kg		94	69 - 126
4,4'-DDE	16.7	15.2		ug/Kg		91	71 - 116
4,4'-DDT	16.7	15.5		ug/Kg		93	67 - 132
Heptachlor	16.7	14.5		ug/Kg		87	61 - 126
Heptachlor epoxide	16.7	14.9		ug/Kg		89	71 - 119
Dieldrin	16.7	14.9		ug/Kg		89	71 - 120
Aldrin	16.7	13.6		ug/Kg		82	69 - 116
Methoxychlor	16.7	15.6		ug/Kg		94	65 - 139
alpha-Chlordane	16.7	14.3		ug/Kg		86	71 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*92*		*63 - 124*
Tetrachloro-m-xylene	*80*		*59 - 115*

Lab Sample ID: 280-95601-7 MS
Matrix: Solid
Analysis Batch: 369528

Client Sample ID: NA-SO-02-01-09
Prep Type: Total/NA
Prep Batch: 368827

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Endosulfan I	ND		16.4	12.5		ug/Kg		76	67 - 115
Endosulfan II	ND		16.4	12.5		ug/Kg		76	69 - 120
Endosulfan sulfate	ND		16.4	12.1		ug/Kg		74	69 - 126
Endrin	ND		16.4	14.1		ug/Kg		86	69 - 129
Endrin aldehyde	ND		16.4	9.53		ug/Kg		58	41 - 128
Endrin ketone	ND		16.4	11.9		ug/Kg		72	70 - 125
beta-BHC	ND		16.4	13.0		ug/Kg		79	62 - 121
alpha-BHC	ND		16.4	12.6		ug/Kg		77	65 - 122
delta-BHC	ND		16.4	13.4		ug/Kg		82	67 - 122
gamma-BHC (Lindane)	ND		16.4	12.8		ug/Kg		78	66 - 120
gamma-Chlordane	ND		16.4	11.6		ug/Kg		71	69 - 122
4,4'-DDD	ND		16.4	13.7		ug/Kg		83	69 - 126
4,4'-DDE	ND		16.4	12.7		ug/Kg		77	71 - 116
4,4'-DDT	ND		16.4	13.7		ug/Kg		83	67 - 132
Heptachlor	ND		16.4	13.1		ug/Kg		80	61 - 126
Heptachlor epoxide	ND		16.4	13.1		ug/Kg		80	71 - 119
Dieldrin	ND		16.4	13.2		ug/Kg		80	71 - 120
Aldrin	ND		16.4	12.1		ug/Kg		73	69 - 116
Methoxychlor	ND		16.4	12.7		ug/Kg		77	65 - 139
alpha-Chlordane	ND		16.4	12.8		ug/Kg		78	71 - 118

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*75*		*63 - 124*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 280-95601-7 MS — **Client Sample ID: NA-SO-02-01-09**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 369528 — **Prep Batch: 368827**

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene	*73*		*59 - 115*

Lab Sample ID: 280-95601-7 MSD — **Client Sample ID: NA-SO-02-01-09**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 369528 — **Prep Batch: 368827**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Endosulfan I	ND		16.6	13.2		ug/Kg		80	67 - 115	5	26
Endosulfan II	ND		16.6	13.2		ug/Kg		80	69 - 120	6	20
Endosulfan sulfate	ND		16.6	12.8		ug/Kg		77	69 - 126	6	22
Endrin	ND		16.6	15.1		ug/Kg		91	69 - 129	7	30
Endrin aldehyde	ND		16.6	10.1		ug/Kg		61	41 - 128	6	29
Endrin ketone	ND		16.6	12.6		ug/Kg		76	70 - 125	6	20
beta-BHC	ND		16.6	13.7		ug/Kg		83	62 - 121	6	17
alpha-BHC	ND		16.6	13.4		ug/Kg		81	65 - 122	6	17
delta-BHC	ND		16.6	14.3		ug/Kg		86	67 - 122	6	19
gamma-BHC (Lindane)	ND		16.6	13.6		ug/Kg		82	66 - 120	6	24
gamma-Chlordane	ND		16.6	11.9		ug/Kg		72	69 - 122	2	21
4,4'-DDD	ND		16.6	14.8		ug/Kg		89	69 - 126	8	20
4,4'-DDE	ND		16.6	13.4		ug/Kg		81	71 - 116	6	15
4,4'-DDT	ND		16.6	14.4		ug/Kg		87	67 - 132	5	29
Heptachlor	ND		16.6	13.9		ug/Kg		84	61 - 126	6	18
Heptachlor epoxide	ND		16.6	13.8		ug/Kg		83	71 - 119	5	18
Dieldrin	ND		16.6	13.9		ug/Kg		84	71 - 120	5	25
Aldrin	ND		16.6	12.8		ug/Kg		78	69 - 116	6	50
Methoxychlor	ND		16.6	13.4		ug/Kg		81	65 - 139	5	23
alpha-Chlordane	ND		16.6	13.5		ug/Kg		81	71 - 118	5	18

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*86*		*63 - 124*
Tetrachloro-m-xylene	*76*		*59 - 115*

Lab Sample ID: 280-95601-14 MS — **Client Sample ID: ST-SO-01-01-09**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 369528 — **Prep Batch: 368827**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Endosulfan I	ND		16.2	12.5		ug/Kg		77	67 - 115
Endosulfan II	ND		16.2	12.1		ug/Kg		75	69 - 120
Endosulfan sulfate	ND		16.2	11.8		ug/Kg		73	69 - 126
Endrin	ND		16.2	14.0		ug/Kg		87	69 - 129
Endrin aldehyde	ND		16.2	9.02		ug/Kg		56	41 - 128
Endrin ketone	ND		16.2	11.3		ug/Kg		70	70 - 125
beta-BHC	ND		16.2	14.7		ug/Kg		91	62 - 121
alpha-BHC	ND		16.2	12.5		ug/Kg		77	65 - 122
delta-BHC	ND		16.2	13.6		ug/Kg		84	67 - 122
gamma-BHC (Lindane)	ND		16.2	13.1		ug/Kg		81	66 - 120
gamma-Chlordane	ND		16.2	12.5		ug/Kg		77	69 - 122

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 280-95601-14 MS — **Client Sample ID: ST-SO-01-01-09**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 369528 — **Prep Batch: 368827**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	ND		16.2	13.8		ug/Kg		85	69 - 126
4,4'-DDE	0.51	J	16.2	12.8		ug/Kg		76	71 - 116
4,4'-DDT	ND		16.2	13.1		ug/Kg		81	67 - 132
Heptachlor	ND		16.2	13.2		ug/Kg		82	61 - 126
Heptachlor epoxide	ND		16.2	12.9		ug/Kg		80	71 - 119
Dieldrin	ND		16.2	13.2		ug/Kg		82	71 - 120
Aldrin	ND		16.2	11.7		ug/Kg		72	69 - 116
Methoxychlor	ND		16.2	12.0		ug/Kg		74	65 - 139
alpha-Chlordane	ND		16.2	12.9		ug/Kg		80	71 - 118

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*78*		*63 - 124*
Tetrachloro-m-xylene	*69*		*59 - 115*

Lab Sample ID: 280-95601-14 MSD — **Client Sample ID: ST-SO-01-01-09**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 369528 — **Prep Batch: 368827**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Endosulfan I	ND		16.5	12.6		ug/Kg		76	67 - 115	1	26
Endosulfan II	ND		16.5	12.2		ug/Kg		74	69 - 120	1	20
Endosulfan sulfate	ND		16.5	12.1		ug/Kg		73	69 - 126	2	22
Endrin	ND		16.5	14.0		ug/Kg		85	69 - 129	0	30
Endrin aldehyde	ND		16.5	8.88		ug/Kg		54	41 - 128	2	29
Endrin ketone	ND		16.5	11.6		ug/Kg		70	70 - 125	3	20
beta-BHC	ND		16.5	13.9		ug/Kg		84	62 - 121	6	17
alpha-BHC	ND		16.5	12.7		ug/Kg		77	65 - 122	2	17
delta-BHC	ND		16.5	13.3		ug/Kg		81	67 - 122	2	19
gamma-BHC (Lindane)	ND		16.5	12.8		ug/Kg		77	66 - 120	2	24
gamma-Chlordane	ND		16.5	12.5		ug/Kg		76	69 - 122	0	21
4,4'-DDD	ND		16.5	13.7		ug/Kg		83	69 - 126	1	20
4,4'-DDE	0.51	J	16.5	12.9		ug/Kg		75	71 - 116	0	15
4,4'-DDT	ND		16.5	12.9		ug/Kg		78	67 - 132	1	29
Heptachlor	ND		16.5	12.9		ug/Kg		78	61 - 126	2	18
Heptachlor epoxide	ND		16.5	13.1		ug/Kg		79	71 - 119	1	18
Dieldrin	ND		16.5	13.3		ug/Kg		81	71 - 120	1	25
Aldrin	ND		16.5	11.8		ug/Kg		71	69 - 116	1	50
Methoxychlor	ND		16.5	12.2		ug/Kg		74	65 - 139	2	23
alpha-Chlordane	ND		16.5	13.1		ug/Kg		79	71 - 118	1	18

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*76*		*63 - 124*
Tetrachloro-m-xylene	*72*		*59 - 115*

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 280-368750/1-A
Matrix: Water
Analysis Batch: 369351

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 368750

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		1.0	0.17	ug/L		04/10/17 16:00	04/14/17 05:07	1
MCPP	ND		400	33	ug/L		04/10/17 16:00	04/14/17 05:07	1
2,4,5-T	ND		1.0	0.19	ug/L		04/10/17 16:00	04/14/17 05:07	1
2,4-D	ND		4.0	0.21	ug/L		04/10/17 16:00	04/14/17 05:07	1
2,4-DB	ND		4.0	0.36	ug/L		04/10/17 16:00	04/14/17 05:07	1
Dalapon	ND		2.0	0.91	ug/L		04/10/17 16:00	04/14/17 05:07	1
Dicamba	ND		2.0	0.15	ug/L		04/10/17 16:00	04/14/17 05:07	1
Dichlorprop	ND		4.0	0.65	ug/L		04/10/17 16:00	04/14/17 05:07	1
MCPA	ND		400	17	ug/L		04/10/17 16:00	04/14/17 05:07	1
Picloram	ND		0.50	0.24	ug/L		04/10/17 16:00	04/14/17 05:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*70*		*39 - 135*	*04/10/17 16:00*	*04/14/17 05:07*	*1*

Lab Sample ID: LCS 280-368750/2-A
Matrix: Water
Analysis Batch: 369351

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 368750

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silvex (2,4,5-TP)	5.00	3.30		ug/L		66	48 - 127
MCPP	500	382	J	ug/L		76	45 - 121
2,4,5-T	5.00	3.36		ug/L		67	45 - 135
2,4-D	5.00	3.87	J	ug/L		77	46 - 126
2,4-DB	5.00	3.25	J	ug/L		65	18 - 135
Dalapon	5.00	2.94		ug/L		59	52 - 119
Dicamba	5.00	3.37		ug/L		67	50 - 128
Dichlorprop	5.00	3.54	J	ug/L		71	44 - 121
MCPA	500	331	J	ug/L		66	43 - 118
Picloram	5.00	3.30		ug/L		66	20 - 111

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*76*		*39 - 135*

Lab Sample ID: LCSD 280-368750/3-A
Matrix: Water
Analysis Batch: 369351

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 368750

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silvex (2,4,5-TP)	5.00	3.68		ug/L		74	48 - 127	11	30
MCPP	500	435		ug/L		87	45 - 121	13	30
2,4,5-T	5.00	3.65		ug/L		73	45 - 135	8	30
2,4-D	5.00	4.16		ug/L		83	46 - 126	7	30
2,4-DB	5.00	3.72	J	ug/L		74	18 - 135	13	30
Dalapon	5.00	3.53		ug/L		71	52 - 119	18	30
Dicamba	5.00	3.74		ug/L		75	50 - 128	10	30
Dichlorprop	5.00	3.95	J	ug/L		79	44 - 121	11	30
MCPA	500	375	J	ug/L		75	43 - 118	12	30

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCSD 280-368750/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 369351 — **Prep Batch: 368750**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Picloram	5.00	3.50		ug/L		70	20 - 111	6	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*86*		*39 - 135*

Lab Sample ID: MB 280-369558/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 369971 — **Prep Batch: 369558**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		20	1.4	ug/Kg		04/17/17 08:08	04/19/17 10:14	1
MCPP	ND		8000	2000	ug/Kg		04/17/17 08:08	04/19/17 10:14	1
2,4,5-T	ND		20	2.3	ug/Kg		04/17/17 08:08	04/19/17 10:14	1
2,4-D	ND		80	14	ug/Kg		04/17/17 08:08	04/19/17 10:14	1
2,4-DB	ND		80	7.5	ug/Kg		04/17/17 08:08	04/19/17 10:14	1
Dalapon	ND		40	1.4	ug/Kg		04/17/17 08:08	04/19/17 10:14	1
Dicamba	ND		40	1.4	ug/Kg		04/17/17 08:08	04/19/17 10:14	1
Dichlorprop	ND		80	3.2	ug/Kg		04/17/17 08:08	04/19/17 10:14	1
MCPA	ND		8000	2000	ug/Kg		04/17/17 08:08	04/19/17 10:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*72*		*31 - 105*	*04/17/17 08:08*	*04/19/17 10:14*	*1*

Lab Sample ID: LCS 280-369558/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 369971 — **Prep Batch: 369558**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silvex (2,4,5-TP)	100	61.2		ug/Kg		61	52 - 130
MCPP	10000	6000	J	ug/Kg		60	40 - 127
2,4,5-T	100	65.9		ug/Kg		66	53 - 129
2,4-D	100	62.9	J	ug/Kg		63	50 - 136
2,4-DB	100	69.4	J	ug/Kg		69	29 - 134
Dalapon	100	51.9		ug/Kg		52	35 - 105
Dicamba	100	55.2		ug/Kg		55	45 - 120
Dichlorprop	100	60.6	J	ug/Kg		61	50 - 118
MCPA	10000	5650	J	ug/Kg		56	42 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*61*		*31 - 105*

Lab Sample ID: 280-95601-7 MS — **Client Sample ID: NA-SO-02-01-09**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 369971 — **Prep Batch: 369558**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
MCPA	1900	J	9880	6450	J	ug/Kg		46	37 - 115

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: 280-95601-7 MS — **Client Sample ID: NA-SO-02-01-09**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 369971 — **Prep Batch: 369558**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Silvex (2,4,5-TP)	ND		98.8	60.1		ug/Kg		61	53 - 134
MCPP	ND		9880	6200	J	ug/Kg		63	48 - 132
2,4,5-T	ND		98.8	66.9		ug/Kg		68	24 - 115
2,4-D	ND		98.8	59.2	J	ug/Kg		60	32 - 115
2,4-DB	ND		98.8	61.7	J	ug/Kg		62	37 - 119
Dalapon	ND		98.8	48.8		ug/Kg		49	11 - 115
Dicamba	ND		98.8	54.6		ug/Kg		55	11 - 115
Dichlorprop	ND		98.8	61.1	J	ug/Kg		62	35 - 115

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*80*		*31 - 105*

Lab Sample ID: 280-95601-7 MSD — **Client Sample ID: NA-SO-02-01-09**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 369971 — **Prep Batch: 369558**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
MCPA	1900	J	9880	5380	J F1	ug/Kg		35	37 - 115	18	50
Silvex (2,4,5-TP)	ND		98.8	56.1		ug/Kg		57	53 - 134	7	40
MCPP	ND		9880	6160	J	ug/Kg		62	48 - 132	1	50
2,4,5-T	ND		98.8	66.3		ug/Kg		67	24 - 115	1	40
2,4-D	ND		98.8	56.8	J	ug/Kg		57	32 - 115	4	40
2,4-DB	ND		98.8	57.9	J	ug/Kg		59	37 - 119	6	50
Dalapon	ND		98.8	66.1		ug/Kg		67	11 - 115	30	50
Dicamba	ND		98.8	53.5		ug/Kg		54	11 - 115	2	50
Dichlorprop	ND		98.8	58.6	J	ug/Kg		59	35 - 115	4	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*80*		*31 - 105*

Lab Sample ID: 280-95601-14 MS — **Client Sample ID: ST-SO-01-01-09**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 369971 — **Prep Batch: 369558**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
MCPA	3100	J	9820	6200	J F1	ug/Kg		31	37 - 115
Silvex (2,4,5-TP)	ND		98.2	62.8		ug/Kg		64	53 - 134
MCPP	ND		9820	6810	J	ug/Kg		69	48 - 132
2,4,5-T	ND		98.2	70.7		ug/Kg		72	24 - 115
2,4-D	ND		98.2	62.0	J	ug/Kg		63	32 - 115
2,4-DB	ND		98.2	63.1	J	ug/Kg		64	37 - 119
Dalapon	ND		98.2	68.7		ug/Kg		70	11 - 115
Dicamba	ND		98.2	62.3		ug/Kg		63	11 - 115
Dichlorprop	ND		98.2	67.7	J	ug/Kg		69	35 - 115

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*90*		*31 - 105*

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: 280-95601-14 MSD — **Client Sample ID: ST-SO-01-01-09**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 369971 — **Prep Batch: 369558**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
MCPA	3100	J	9690	5250	J F1	ug/Kg		22	37 - 115	17	50
Silvex (2,4,5-TP)	ND		96.9	54.7		ug/Kg		56	53 - 134	14	40
MCPP	ND		9690	5750	J	ug/Kg		59	48 - 132	17	50
2,4,5-T	ND		96.9	62.5		ug/Kg		65	24 - 115	12	40
2,4-D	ND		96.9	53.0	J	ug/Kg		55	32 - 115	16	40
2,4-DB	ND		96.9	55.3	J	ug/Kg		57	37 - 119	13	50
Dalapon	ND		96.9	57.7		ug/Kg		60	11 - 115	17	50
Dicamba	ND		96.9	53.0		ug/Kg		55	11 - 115	16	50
Dichlorprop	ND		96.9	58.0	J	ug/Kg		60	35 - 115	15	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*59*		*31 - 105*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 280-368678/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 368990 — **Prep Batch: 368678**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		100	18	ug/L		04/11/17 07:39	04/11/17 23:35	1
Antimony	ND		20	5.2	ug/L		04/11/17 07:39	04/11/17 23:35	1
Calcium	ND		200	35	ug/L		04/11/17 07:39	04/11/17 23:35	1
Iron	ND		100	22	ug/L		04/11/17 07:39	04/11/17 23:35	1
Magnesium	ND		200	11	ug/L		04/11/17 07:39	04/11/17 23:35	1
Potassium	360	J	3000	240	ug/L		04/11/17 07:39	04/11/17 23:35	1
Sodium	166	J	1000	120	ug/L		04/11/17 07:39	04/11/17 23:35	1

Lab Sample ID: LCS 280-368678/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 368990 — **Prep Batch: 368678**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	2000	1820		ug/L		91	87 - 111
Antimony	500	525		ug/L		105	88 - 110
Calcium	50000	48800		ug/L		98	90 - 111
Iron	1000	911		ug/L		91	89 - 115
Magnesium	50000	52700		ug/L		105	90 - 113
Potassium	50000	50900		ug/L		102	89 - 114
Sodium	50000	51300		ug/L		103	90 - 115

Lab Sample ID: LCSD 280-368678/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 368990 — **Prep Batch: 368678**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	2000	1860		ug/L		93	87 - 111	2	20
Antimony	500	532		ug/L		106	88 - 110	1	20

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCSD 280-368678/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 368990 — **Prep Batch: 368678**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Calcium	50000	51000		ug/L		102	90 - 111	4	20
Iron	1000	953		ug/L		95	89 - 115	4	20
Magnesium	50000	54000		ug/L		108	90 - 113	2	20
Potassium	50000	53100		ug/L		106	89 - 114	4	20
Sodium	50000	52900		ug/L		106	90 - 115	3	20

Lab Sample ID: 280-95601-1 MS — **Client Sample ID: NA-EB-20170406**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 368990 — **Prep Batch: 368678**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	ND		2000	1840		ug/L		92	83 - 119
Antimony	ND		500	519		ug/L		104	81 - 124
Calcium	ND		50000	49600		ug/L		99	48 - 153
Iron	26	J	1000	935		ug/L		91	52 - 155
Magnesium	ND		50000	53300		ug/L		107	62 - 146
Potassium	ND		50000	51400		ug/L		103	76 - 132
Sodium	ND		50000	51800		ug/L		104	70 - 203

Lab Sample ID: 280-95601-1 MSD — **Client Sample ID: NA-EB-20170406**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 368990 — **Prep Batch: 368678**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	ND		2000	1840		ug/L		92	83 - 119	0	20
Antimony	ND		500	508		ug/L		102	81 - 124	2	20
Calcium	ND		50000	49700		ug/L		99	48 - 153	0	20
Iron	26	J	1000	1120		ug/L		109	52 - 155	18	20
Magnesium	ND		50000	53500		ug/L		107	62 - 146	0	20
Potassium	ND		50000	51400		ug/L		103	76 - 132	0	20
Sodium	ND		50000	51400		ug/L		103	70 - 203	1	20

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 280-368673/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 369506 — **Prep Batch: 368673**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.5	0.73	mg/Kg		04/10/17 14:48	04/14/17 13:59	1
Calcium	24.4	J	50	14	mg/Kg		04/10/17 14:48	04/14/17 13:59	1
Iron	ND		15	3.8	mg/Kg		04/10/17 14:48	04/14/17 13:59	1
Magnesium	6.13	J	20	3.7	mg/Kg		04/10/17 14:48	04/14/17 13:59	1
Potassium	ND		300	41	mg/Kg		04/10/17 14:48	04/14/17 13:59	1
Silver	ND		1.0	0.16	mg/Kg		04/10/17 14:48	04/14/17 13:59	1
Sodium	69.2	J	500	59	mg/Kg		04/10/17 14:48	04/14/17 13:59	1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 280-368673/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 369550 — **Prep Batch: 368673**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		10	1.6	mg/Kg		04/10/17 14:48	04/15/17 22:50	1

Lab Sample ID: LCS 280-368673/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 369506 — **Prep Batch: 368673**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	50.0	50.5		mg/Kg		101	82 - 110
Calcium	5000	4940		mg/Kg		99	82 - 114
Iron	100	99.4		mg/Kg		99	87 - 120
Magnesium	5000	4780		mg/Kg		96	90 - 110
Potassium	5000	5060		mg/Kg		101	89 - 110
Silver	5.00	5.24		mg/Kg		105	87 - 114
Sodium	5000	5070		mg/Kg		101	90 - 112

Lab Sample ID: LCS 280-368673/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 369550 — **Prep Batch: 368673**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	200	197		mg/Kg		99	82 - 116

Lab Sample ID: 280-95601-7 MS — **Client Sample ID: NA-SO-02-01-09**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 369506 — **Prep Batch: 368673**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.89	J	37.0	15.9		mg/Kg		41	20 - 200
Magnesium	2900	B	3700	6760		mg/Kg		105	64 - 145
Silver	ND		3.70	3.59		mg/Kg		97	75 - 141

Lab Sample ID: 280-95601-7 MS — **Client Sample ID: NA-SO-02-01-09**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 369550 — **Prep Batch: 368673**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	12000		148	21000	4	mg/Kg		5974	50 - 200
Calcium	4300	B	3700	8610		mg/Kg		117	43 - 165
Iron	13000		74.0	15500	4	mg/Kg		4055	70 - 200
Potassium	2600		3700	7130		mg/Kg		122	56 - 172
Sodium	110	J	3700	3660		mg/Kg		96	78 - 111

Lab Sample ID: 280-95601-7 MSD — **Client Sample ID: NA-SO-02-01-09**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 369506 — **Prep Batch: 368673**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	0.89	J	41.2	18.2		mg/Kg		42	20 - 200	14	20
Magnesium	2900	B	4120	7400		mg/Kg		111	64 - 145	9	20

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 280-95601-7 MSD — **Client Sample ID: NA-SO-02-01-09**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 369506 — **Prep Batch: 368673**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silver	ND		4.12	4.08		mg/Kg		99	75 - 141	13	20

Lab Sample ID: 280-95601-7 MSD — **Client Sample ID: NA-SO-02-01-09**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 369550 — **Prep Batch: 368673**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	12000		165	22900	4	mg/Kg		6558	50 - 200	9	20
Calcium	4300	B	4120	7670		mg/Kg		82	43 - 165	12	20
Iron	13000		82.3	15800	4	mg/Kg		3908	70 - 200	1	20
Potassium	2600		4120	7670		mg/Kg		123	56 - 172	7	20
Sodium	110	J	4120	3860		mg/Kg		91	78 - 111	5	20

Lab Sample ID: 280-95601-14 MS — **Client Sample ID: ST-SO-01-01-09**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 369506 — **Prep Batch: 368673**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.81	J	39.1	18.3		mg/Kg		45	20 - 200
Calcium	7500	B F1	3910	10300		mg/Kg		71	43 - 165
Iron	12000		78.2	13900	4	mg/Kg		2743	70 - 200
Magnesium	2400	B	3910	6250		mg/Kg		98	64 - 145
Potassium	2100		3910	6170		mg/Kg		105	56 - 172
Silver	ND		3.91	3.69		mg/Kg		94	75 - 141
Sodium	140	J B	3910	3700		mg/Kg		91	78 - 111

Lab Sample ID: 280-95601-14 MS — **Client Sample ID: ST-SO-01-01-09**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 369550 — **Prep Batch: 368673**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	9900		156	14700	4	mg/Kg		3065	50 - 200

Lab Sample ID: 280-95601-14 MSD — **Client Sample ID: ST-SO-01-01-09**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 369506 — **Prep Batch: 368673**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	0.81	J	39.6	19.0		mg/Kg		46	20 - 200	4	20
Calcium	7500	B F1	3960	9130	F1	mg/Kg		40	43 - 165	12	20
Iron	12000		79.1	13100	4	mg/Kg		1734	70 - 200	6	20
Magnesium	2400	B	3960	6150		mg/Kg		94	64 - 145	2	20
Potassium	2100		3960	6120		mg/Kg		102	56 - 172	1	20
Silver	ND		3.96	3.78		mg/Kg		96	75 - 141	2	20
Sodium	140	J B	3960	3720		mg/Kg		90	78 - 111	0	20

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 280-95601-14 MSD — **Client Sample ID: ST-SO-01-01-09**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 369550 — **Prep Batch: 368673**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	9900		158	14100	4	mg/Kg		2650	50 - 200	4	20

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 280-368667/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 369013 — **Prep Batch: 368667**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		5.0	0.33	ug/L		04/11/17 07:39	04/12/17 03:13	1
Barium	ND		1.0	0.29	ug/L		04/11/17 07:39	04/12/17 03:13	1
Beryllium	ND		1.0	0.080	ug/L		04/11/17 07:39	04/12/17 03:13	1
Cadmium	ND		1.0	0.27	ug/L		04/11/17 07:39	04/12/17 03:13	1
Chromium	ND		2.0	0.50	ug/L		04/11/17 07:39	04/12/17 03:13	1
Cobalt	ND		1.0	0.054	ug/L		04/11/17 07:39	04/12/17 03:13	1
Copper	ND		2.0	0.56	ug/L		04/11/17 07:39	04/12/17 03:13	1
Lead	ND		1.0	0.18	ug/L		04/11/17 07:39	04/12/17 03:13	1
Manganese	ND		1.0	0.31	ug/L		04/11/17 07:39	04/12/17 03:13	1
Nickel	ND		2.0	0.30	ug/L		04/11/17 07:39	04/12/17 03:13	1
Selenium	ND		5.0	0.70	ug/L		04/11/17 07:39	04/12/17 03:13	1
Silver	ND		5.0	0.033	ug/L		04/11/17 07:39	04/12/17 03:13	1
Thallium	ND		1.0	0.050	ug/L		04/11/17 07:39	04/12/17 03:13	1
Zinc	ND		10	2.0	ug/L		04/11/17 07:39	04/12/17 03:13	1

Lab Sample ID: LCS 280-368667/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 369013 — **Prep Batch: 368667**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	40.0	38.6		ug/L		96	85 - 117
Barium	40.0	38.4		ug/L		96	85 - 118
Beryllium	40.0	40.6		ug/L		102	80 - 125
Cadmium	40.0	38.7		ug/L		97	85 - 115
Chromium	40.0	39.5		ug/L		99	84 - 121
Cobalt	40.0	40.4		ug/L		101	85 - 120
Copper	40.0	39.1		ug/L		98	85 - 119
Lead	40.0	40.3		ug/L		101	85 - 118
Manganese	40.0	42.3		ug/L		106	85 - 117
Nickel	40.0	40.0		ug/L		100	85 - 119
Selenium	40.0	36.4		ug/L		91	77 - 122
Silver	40.0	38.7		ug/L		97	85 - 115
Thallium	40.0	39.5		ug/L		99	85 - 118
Zinc	40.0	38.8		ug/L		97	83 - 122

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: LCSD 280-368667/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 369013 — **Prep Batch: 368667**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	40.0	38.3		ug/L		96	85 - 117	1	20
Barium	40.0	39.7		ug/L		99	85 - 118	3	20
Beryllium	40.0	40.8		ug/L		102	80 - 125	0	20
Cadmium	40.0	36.8		ug/L		92	85 - 115	5	20
Chromium	40.0	39.5		ug/L		99	84 - 121	0	20
Cobalt	40.0	39.7		ug/L		99	85 - 120	2	20
Copper	40.0	39.2		ug/L		98	85 - 119	0	20
Lead	40.0	39.5		ug/L		99	85 - 118	2	20
Manganese	40.0	42.3		ug/L		106	85 - 117	0	20
Nickel	40.0	39.3		ug/L		98	85 - 119	2	20
Selenium	40.0	37.2		ug/L		93	77 - 122	2	20
Silver	40.0	38.7		ug/L		97	85 - 115	0	20
Thallium	40.0	39.4		ug/L		98	85 - 118	0	20
Zinc	40.0	40.9		ug/L		102	83 - 122	5	20

Lab Sample ID: MB 280-368674/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 369193 — **Prep Batch: 368674**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		600	51	ug/Kg		04/11/17 14:48	04/13/17 04:56	1
Barium	85.9	J	200	71	ug/Kg		04/11/17 14:48	04/13/17 04:56	1
Beryllium	ND		100	23	ug/Kg		04/11/17 14:48	04/13/17 04:56	1
Cadmium	ND		100	9.4	ug/Kg		04/11/17 14:48	04/13/17 04:56	1
Chromium	ND		200	76	ug/Kg		04/11/17 14:48	04/13/17 04:56	1
Cobalt	ND		100	6.6	ug/Kg		04/11/17 14:48	04/13/17 04:56	1
Copper	ND		250	71	ug/Kg		04/11/17 14:48	04/13/17 04:56	1
Lead	ND		150	18	ug/Kg		04/11/17 14:48	04/13/17 04:56	1
Manganese	ND		250	33	ug/Kg		04/11/17 14:48	04/13/17 04:56	1
Nickel	69.2	J	150	25	ug/Kg		04/11/17 14:48	04/13/17 04:56	1
Selenium	ND		500	130	ug/Kg		04/11/17 14:48	04/13/17 04:56	1
Thallium	ND		100	3.5	ug/Kg		04/11/17 14:48	04/13/17 04:56	1
Zinc	ND		1000	320	ug/Kg		04/11/17 14:48	04/13/17 04:56	1

Lab Sample ID: LCS 280-368674/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 369193 — **Prep Batch: 368674**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	20000	19100		ug/Kg		96	83 - 111
Barium	20000	19700		ug/Kg		99	86 - 120
Beryllium	20000	21300		ug/Kg		107	70 - 136
Cadmium	20000	19800		ug/Kg		99	85 - 109
Chromium	20000	19900		ug/Kg		100	87 - 121
Cobalt	20000	22100		ug/Kg		111	91 - 113
Copper	20000	20100		ug/Kg		100	87 - 125
Lead	20000	20100		ug/Kg		100	81 - 125
Manganese	20000	19900		ug/Kg		100	86 - 120

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 280-368674/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 369193 — **Prep Batch: 368674**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nickel	20000	20400		ug/Kg		102	90 - 113
Selenium	20000	19600		ug/Kg		98	78 - 108
Thallium	20000	19500		ug/Kg		97	84 - 124
Zinc	20000	20900		ug/Kg		105	85 - 119

Lab Sample ID: 280-95601-7 MS — **Client Sample ID: NA-SO-02-01-09**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 369193 — **Prep Batch: 368674**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	4100		16600	19700		ug/Kg		94	83 - 111
Barium	150000	B	16600	180000	4	ug/Kg		160	86 - 120
Beryllium	620		16600	19400		ug/Kg		113	70 - 136
Cadmium	360		16600	16600		ug/Kg		98	85 - 109
Chromium	11000		16600	31100		ug/Kg		119	87 - 121
Cobalt	5100		16600	23700		ug/Kg		112	91 - 113
Copper	18000		16600	36100		ug/Kg		110	87 - 125
Lead	26000		16600	42800		ug/Kg		100	81 - 125
Manganese	320000		16600	357000	4	ug/Kg		249	86 - 120
Nickel	8800	B	16600	25200		ug/Kg		98	90 - 113
Selenium	230	J	16600	15600		ug/Kg		92	78 - 108
Thallium	160		16600	15100		ug/Kg		90	84 - 124
Zinc	63000		16600	83800	F1	ug/Kg		123	85 - 119

Lab Sample ID: 280-95601-7 MSD — **Client Sample ID: NA-SO-02-01-09**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 369193 — **Prep Batch: 368674**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	4100		13500	17000		ug/Kg		95	83 - 111	15	20
Barium	150000	B	13500	175000	4	ug/Kg		159	86 - 120	3	20
Beryllium	620		13500	15800	F2	ug/Kg		112	70 - 136	21	20
Cadmium	360		13500	13200	F2	ug/Kg		95	85 - 109	23	20
Chromium	11000		13500	28400	F1	ug/Kg		126	87 - 121	9	20
Cobalt	5100		13500	20100		ug/Kg		111	91 - 113	17	20
Copper	18000		13500	31900		ug/Kg		104	87 - 125	12	20
Lead	26000		13500	35800	F1	ug/Kg		71	81 - 125	18	20
Manganese	320000		13500	340000	4	ug/Kg		182	86 - 120	5	20
Nickel	8800	B	13500	22400		ug/Kg		100	90 - 113	12	20
Selenium	230	J	13500	12400	F2	ug/Kg		90	78 - 108	23	20
Thallium	160		13500	11800	F2	ug/Kg		86	84 - 124	24	20
Zinc	63000		13500	76100	4	ug/Kg		94	85 - 119	10	20

Lab Sample ID: 280-95601-14 MS — **Client Sample ID: ST-SO-01-01-09**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 369193 — **Prep Batch: 368674**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	2400		14300	15900		ug/Kg		94	83 - 111

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: 280-95601-14 MS — **Client Sample ID: ST-SO-01-01-09**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 369193 — **Prep Batch: 368674**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	88000	F2 B	14300	154000	4	ug/Kg		458	86 - 120
Beryllium	440		14300	16000		ug/Kg		109	70 - 136
Cadmium	320		14300	13800		ug/Kg		94	85 - 109
Chromium	9400	F1	14300	27800	F1	ug/Kg		128	87 - 121
Cobalt	3600	F1	14300	20200	F1	ug/Kg		116	91 - 113
Copper	17000	F1	14300	35100	F1	ug/Kg		126	87 - 125
Lead	18000		14300	34700		ug/Kg		116	81 - 125
Manganese	210000		14300	302000	4	ug/Kg		619	86 - 120
Nickel	6300	B	14300	21400		ug/Kg		105	90 - 113
Selenium	180	J	14300	13000		ug/Kg		89	78 - 108
Thallium	120	F1	14300	12600		ug/Kg		87	84 - 124
Zinc	53000	F1	14300	79300	F1	ug/Kg		184	85 - 119

Lab Sample ID: 280-95601-14 MSD — **Client Sample ID: ST-SO-01-01-09**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 369193 — **Prep Batch: 368674**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	2400		14000	15100		ug/Kg		91	83 - 111	5	20
Barium	88000	F2 B	14000	194000	4 F2	ug/Kg		755	86 - 120	23	20
Beryllium	440		14000	14600		ug/Kg		101	70 - 136	9	20
Cadmium	320		14000	12200		ug/Kg		85	85 - 109	12	20
Chromium	9400	F1	14000	27900	F1	ug/Kg		132	87 - 121	0	20
Cobalt	3600	F1	14000	19300		ug/Kg		112	91 - 113	4	20
Copper	17000	F1	14000	30000		ug/Kg		93	87 - 125	16	20
Lead	18000		14000	31500		ug/Kg		96	81 - 125	10	20
Manganese	210000		14000	353000	4	ug/Kg		996	86 - 120	15	20
Nickel	6300	B	14000	21100		ug/Kg		106	90 - 113	1	20
Selenium	180	J	14000	11700		ug/Kg		83	78 - 108	10	20
Thallium	120	F1	14000	11500	F1	ug/Kg		82	84 - 124	9	20
Zinc	53000	F1	14000	69900	F1	ug/Kg		122	85 - 119	13	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 280-369220/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 369381 — **Prep Batch: 369220**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.027	ug/L		04/13/17 12:11	04/13/17 21:08	1

Lab Sample ID: LCS 280-369220/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 369381 — **Prep Batch: 369220**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	5.00	5.25		ug/L		105	84 - 120

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 280-369395/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 369599 — **Prep Batch: 369395**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		17	5.5	ug/Kg		04/14/17 12:56	04/14/17 19:08	1

Lab Sample ID: LCS 280-369395/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 369599 — **Prep Batch: 369395**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	417	416		ug/Kg		100	87 - 111

Lab Sample ID: 280-95601-7 MS — **Client Sample ID: NA-SO-02-01-09**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 369599 — **Prep Batch: 369395**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	30		446	479		ug/Kg		101	87 - 111

Lab Sample ID: 280-95601-7 MSD — **Client Sample ID: NA-SO-02-01-09**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 369599 — **Prep Batch: 369395**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	30		500	515		ug/Kg		97	87 - 111	7	20

Lab Sample ID: 280-95601-14 MS — **Client Sample ID: ST-SO-01-01-09**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 369599 — **Prep Batch: 369395**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	19	J	455	469		ug/Kg		99	87 - 111

Lab Sample ID: 280-95601-14 MSD — **Client Sample ID: ST-SO-01-01-09**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 369599 — **Prep Batch: 369395**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	19	J	417	433		ug/Kg		99	87 - 111	8	20

Method: 9045C - pH

Lab Sample ID: LCS 280-369457/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 370033

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
pH adj. to 25 deg C	7.00	7.0		SU		100	97 - 103

QC Association Summary

Client: Weston Solutions, Inc.
Project/Site: Denver Urban Garden, JPS

TestAmerica Job ID: 280-95601-1

GC/MS VOA

Analysis Batch: 368802

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-95601-1	NA-EB-20170406	Total/NA	Water	8260B	
280-95601-12	ST-EB-20170406	Total/NA	Water	8260B	
MB 280-368802/6	Method Blank	Total/NA	Water	8260B	
LCS 280-368802/4	Lab Control Sample	Total/NA	Water	8260B	

Analysis Batch: 370092

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-95601-5	NA-SO-01-16-18	Total/NA	Solid	8260B	370102
280-95601-9	NA-SO-02-16-18	Total/NA	Solid	8260B	370102
280-95601-11	NA-SO-DUP2	Total/NA	Solid	8260B	370102
280-95601-16	ST-SO-01-15-16	Total/NA	Solid	8260B	370102
280-95601-19	ST-SO-DUP3	Total/NA	Solid	8260B	370102
MB 280-370102/1-A	Method Blank	Total/NA	Solid	8260B	370102
LCS 280-370102/2-A	Lab Control Sample	Total/NA	Solid	8260B	370102
280-95601-5 MS	NA-SO-01-16-18	Total/NA	Solid	8260B	370102
280-95601-5 MSD	NA-SO-01-16-18	Total/NA	Solid	8260B	370102
280-95601-16 MS	ST-SO-01-15-16	Total/NA	Solid	8260B	370102
280-95601-16 MSD	ST-SO-01-15-16	Total/NA	Solid	8260B	370102

Prep Batch: 370102

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-95601-5	NA-SO-01-16-18	Total/NA	Solid	5030B	
280-95601-9	NA-SO-02-16-18	Total/NA	Solid	5030B	
280-95601-11	NA-SO-DUP2	Total/NA	Solid	5030B	
280-95601-16	ST-SO-01-15-16	Total/NA	Solid	5030B	
280-95601-19	ST-SO-DUP3	Total/NA	Solid	5030B	
MB 280-370102/1-A	Method Blank	Total/NA	Solid	5030B	
LCS 280-370102/2-A	Lab Control Sample	Total/NA	Solid	5030B	
280-95601-5 MS	NA-SO-01-16-18	Total/NA	Solid	5030B	
280-95601-5 MSD	NA-SO-01-16-18	Total/NA	Solid	5030B	
280-95601-16 MS	ST-SO-01-15-16	Total/NA	Solid	5030B	
280-95601-16 MSD	ST-SO-01-15-16	Total/NA	Solid	5030B	

GC/MS Semi VOA

Prep Batch: 368590

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-95601-1	NA-EB-20170406	Total/NA	Water	3520C	
280-95601-12	ST-EB-20170406	Total/NA	Water	3520C	
MB 280-368590/1-A	Method Blank	Total/NA	Water	3520C	
LCS 280-368590/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 280-368590/23-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Prep Batch: 368898

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-95601-2 - DL	NA-SO-01-00-01	Total/NA	Solid	3546	
280-95601-2	NA-SO-01-00-01	Total/NA	Solid	3546	
280-95601-3	NA-SO-01-01-09	Total/NA	Solid	3546	
280-95601-4	NA-SO-01-09-18	Total/NA	Solid	3546	
280-95601-6	NA-SO-02-00-01	Total/NA	Solid	3546	

GC/MS Semi VOA (Continued)

Prep Batch: 368898 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-95601-6 - DL	NA-SO-02-00-01	Total/NA	Solid	3546	
280-95601-7	NA-SO-02-01-09	Total/NA	Solid	3546	
280-95601-8	NA-SO-02-09-18	Total/NA	Solid	3546	
280-95601-10	NA-SO-DUP1	Total/NA	Solid	3546	
280-95601-10 - DL	NA-SO-DUP1	Total/NA	Solid	3546	
280-95601-13	ST-SO-01-00-01	Total/NA	Solid	3546	
280-95601-14	ST-SO-01-01-09	Total/NA	Solid	3546	
280-95601-15	ST-SO-01-09-18	Total/NA	Solid	3546	
280-95601-18	ST-SO-DUP2	Total/NA	Solid	3546	
MB 280-368898/1-A	Method Blank	Total/NA	Solid	3546	
LCS 280-368898/2-A	Lab Control Sample	Total/NA	Solid	3546	
280-95601-7 MS	NA-SO-02-01-09	Total/NA	Solid	3546	
280-95601-7 MSD	NA-SO-02-01-09	Total/NA	Solid	3546	
280-95601-14 MS	ST-SO-01-01-09	Total/NA	Solid	3546	
280-95601-14 MSD	ST-SO-01-01-09	Total/NA	Solid	3546	

Analysis Batch: 368951

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-95601-1	NA-EB-20170406	Total/NA	Water	8270C	368590
280-95601-12	ST-EB-20170406	Total/NA	Water	8270C	368590
MB 280-368590/1-A	Method Blank	Total/NA	Water	8270C	368590
LCS 280-368590/2-A	Lab Control Sample	Total/NA	Water	8270C	368590
LCSD 280-368590/23-A	Lab Control Sample Dup	Total/NA	Water	8270C	368590

Analysis Batch: 369062

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-95601-2	NA-SO-01-00-01	Total/NA	Solid	8270C SIM	368898
280-95601-2 - DL	NA-SO-01-00-01	Total/NA	Solid	8270C SIM	368898
280-95601-3	NA-SO-01-01-09	Total/NA	Solid	8270C SIM	368898
280-95601-4	NA-SO-01-09-18	Total/NA	Solid	8270C SIM	368898
280-95601-6	NA-SO-02-00-01	Total/NA	Solid	8270C SIM	368898
280-95601-6 - DL	NA-SO-02-00-01	Total/NA	Solid	8270C SIM	368898
280-95601-7	NA-SO-02-01-09	Total/NA	Solid	8270C SIM	368898
280-95601-8	NA-SO-02-09-18	Total/NA	Solid	8270C SIM	368898
280-95601-10	NA-SO-DUP1	Total/NA	Solid	8270C SIM	368898
280-95601-13	ST-SO-01-00-01	Total/NA	Solid	8270C SIM	368898
280-95601-14	ST-SO-01-01-09	Total/NA	Solid	8270C SIM	368898
280-95601-15	ST-SO-01-09-18	Total/NA	Solid	8270C SIM	368898
280-95601-18	ST-SO-DUP2	Total/NA	Solid	8270C SIM	368898
MB 280-368898/1-A	Method Blank	Total/NA	Solid	8270C SIM	368898
LCS 280-368898/2-A	Lab Control Sample	Total/NA	Solid	8270C SIM	368898
280-95601-7 MS	NA-SO-02-01-09	Total/NA	Solid	8270C SIM	368898
280-95601-7 MSD	NA-SO-02-01-09	Total/NA	Solid	8270C SIM	368898
280-95601-14 MS	ST-SO-01-01-09	Total/NA	Solid	8270C SIM	368898
280-95601-14 MSD	ST-SO-01-01-09	Total/NA	Solid	8270C SIM	368898

Analysis Batch: 369227

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-95601-10 - DL	NA-SO-DUP1	Total/NA	Solid	8270C SIM	368898

QC Association Summary

Client: Weston Solutions, Inc.
Project/Site: Denver Urban Garden, JPS

TestAmerica Job ID: 280-95601-1

GC Semi VOA

Prep Batch: 368750

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-95601-1	NA-EB-20170406	Total/NA	Water	8151A	
280-95601-12	ST-EB-20170406	Total/NA	Water	8151A	
MB 280-368750/1-A	Method Blank	Total/NA	Water	8151A	
LCS 280-368750/2-A	Lab Control Sample	Total/NA	Water	8151A	
LCSD 280-368750/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	

Prep Batch: 368827

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-95601-2	NA-SO-01-00-01	Total/NA	Solid	3546	
280-95601-3	NA-SO-01-01-09	Total/NA	Solid	3546	
280-95601-4	NA-SO-01-09-18	Total/NA	Solid	3546	
280-95601-6	NA-SO-02-00-01	Total/NA	Solid	3546	
280-95601-7	NA-SO-02-01-09	Total/NA	Solid	3546	
280-95601-8	NA-SO-02-09-18	Total/NA	Solid	3546	
280-95601-10	NA-SO-DUP1	Total/NA	Solid	3546	
280-95601-14	ST-SO-01-01-09	Total/NA	Solid	3546	
280-95601-17	ST-SO-DUP1	Total/NA	Solid	3546	
MB 280-368827/1-A	Method Blank	Total/NA	Solid	3546	
LCS 280-368827/2-A	Lab Control Sample	Total/NA	Solid	3546	
280-95601-7 MS	NA-SO-02-01-09	Total/NA	Solid	3546	
280-95601-7 MSD	NA-SO-02-01-09	Total/NA	Solid	3546	
280-95601-14 MS	ST-SO-01-01-09	Total/NA	Solid	3546	
280-95601-14 MSD	ST-SO-01-01-09	Total/NA	Solid	3546	

Prep Batch: 368975

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-95601-1	NA-EB-20170406	Total/NA	Water	3510C	
280-95601-12	ST-EB-20170406	Total/NA	Water	3510C	
MB 280-368975/1-A	Method Blank	Total/NA	Water	3510C	
LCS 280-368975/2-A	Lab Control Sample	Total/NA	Water	3510C	

Analysis Batch: 369351

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-95601-1	NA-EB-20170406	Total/NA	Water	8151A	368750
280-95601-12	ST-EB-20170406	Total/NA	Water	8151A	368750
MB 280-368750/1-A	Method Blank	Total/NA	Water	8151A	368750
LCS 280-368750/2-A	Lab Control Sample	Total/NA	Water	8151A	368750
LCSD 280-368750/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	368750

Analysis Batch: 369405

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-95601-1	NA-EB-20170406	Total/NA	Water	8081A	368975
280-95601-12	ST-EB-20170406	Total/NA	Water	8081A	368975
MB 280-368975/1-A	Method Blank	Total/NA	Water	8081A	368975
LCS 280-368975/2-A	Lab Control Sample	Total/NA	Water	8081A	368975

Analysis Batch: 369528

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-95601-2	NA-SO-01-00-01	Total/NA	Solid	8081B	368827
280-95601-3	NA-SO-01-01-09	Total/NA	Solid	8081B	368827
280-95601-4	NA-SO-01-09-18	Total/NA	Solid	8081B	368827

GC Semi VOA (Continued)

Analysis Batch: 369528 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-95601-6	NA-SO-02-00-01	Total/NA	Solid	8081B	368827
280-95601-7	NA-SO-02-01-09	Total/NA	Solid	8081B	368827
280-95601-8	NA-SO-02-09-18	Total/NA	Solid	8081B	368827
280-95601-10	NA-SO-DUP1	Total/NA	Solid	8081B	368827
280-95601-14	ST-SO-01-01-09	Total/NA	Solid	8081B	368827
280-95601-17	ST-SO-DUP1	Total/NA	Solid	8081B	368827
MB 280-368827/1-A	Method Blank	Total/NA	Solid	8081B	368827
LCS 280-368827/2-A	Lab Control Sample	Total/NA	Solid	8081B	368827
280-95601-7 MS	NA-SO-02-01-09	Total/NA	Solid	8081B	368827
280-95601-7 MSD	NA-SO-02-01-09	Total/NA	Solid	8081B	368827
280-95601-14 MS	ST-SO-01-01-09	Total/NA	Solid	8081B	368827
280-95601-14 MSD	ST-SO-01-01-09	Total/NA	Solid	8081B	368827

Prep Batch: 369558

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-95601-2	NA-SO-01-00-01	Total/NA	Solid	8151A	
280-95601-3	NA-SO-01-01-09	Total/NA	Solid	8151A	
280-95601-4	NA-SO-01-09-18	Total/NA	Solid	8151A	
280-95601-6	NA-SO-02-00-01	Total/NA	Solid	8151A	
280-95601-7	NA-SO-02-01-09	Total/NA	Solid	8151A	
280-95601-8	NA-SO-02-09-18	Total/NA	Solid	8151A	
280-95601-10	NA-SO-DUP1	Total/NA	Solid	8151A	
280-95601-14	ST-SO-01-01-09	Total/NA	Solid	8151A	
280-95601-17	ST-SO-DUP1	Total/NA	Solid	8151A	
MB 280-369558/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 280-369558/2-A	Lab Control Sample	Total/NA	Solid	8151A	
280-95601-7 MS	NA-SO-02-01-09	Total/NA	Solid	8151A	
280-95601-7 MSD	NA-SO-02-01-09	Total/NA	Solid	8151A	
280-95601-14 MS	ST-SO-01-01-09	Total/NA	Solid	8151A	
280-95601-14 MSD	ST-SO-01-01-09	Total/NA	Solid	8151A	

Analysis Batch: 369971

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-95601-2	NA-SO-01-00-01	Total/NA	Solid	8151A	369558
280-95601-3	NA-SO-01-01-09	Total/NA	Solid	8151A	369558
280-95601-4	NA-SO-01-09-18	Total/NA	Solid	8151A	369558
280-95601-6	NA-SO-02-00-01	Total/NA	Solid	8151A	369558
280-95601-7	NA-SO-02-01-09	Total/NA	Solid	8151A	369558
280-95601-8	NA-SO-02-09-18	Total/NA	Solid	8151A	369558
280-95601-10	NA-SO-DUP1	Total/NA	Solid	8151A	369558
280-95601-14	ST-SO-01-01-09	Total/NA	Solid	8151A	369558
280-95601-17	ST-SO-DUP1	Total/NA	Solid	8151A	369558
MB 280-369558/1-A	Method Blank	Total/NA	Solid	8151A	369558
LCS 280-369558/2-A	Lab Control Sample	Total/NA	Solid	8151A	369558
280-95601-7 MS	NA-SO-02-01-09	Total/NA	Solid	8151A	369558
280-95601-7 MSD	NA-SO-02-01-09	Total/NA	Solid	8151A	369558
280-95601-14 MS	ST-SO-01-01-09	Total/NA	Solid	8151A	369558
280-95601-14 MSD	ST-SO-01-01-09	Total/NA	Solid	8151A	369558

Metals

Prep Batch: 368667

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-95601-1	NA-EB-20170406	Total/NA	Water	3020A	
280-95601-12	ST-EB-20170406	Total/NA	Water	3020A	
MB 280-368667/1-A	Method Blank	Total/NA	Water	3020A	
LCS 280-368667/2-A	Lab Control Sample	Total/NA	Water	3020A	
LCSD 280-368667/3-A	Lab Control Sample Dup	Total/NA	Water	3020A	

Prep Batch: 368673

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-95601-2	NA-SO-01-00-01	Total/NA	Solid	3050B	
280-95601-3	NA-SO-01-01-09	Total/NA	Solid	3050B	
280-95601-4	NA-SO-01-09-18	Total/NA	Solid	3050B	
280-95601-6	NA-SO-02-00-01	Total/NA	Solid	3050B	
280-95601-7	NA-SO-02-01-09	Total/NA	Solid	3050B	
280-95601-8	NA-SO-02-09-18	Total/NA	Solid	3050B	
280-95601-10	NA-SO-DUP1	Total/NA	Solid	3050B	
280-95601-13	ST-SO-01-00-01	Total/NA	Solid	3050B	
280-95601-14	ST-SO-01-01-09	Total/NA	Solid	3050B	
280-95601-15	ST-SO-01-09-18	Total/NA	Solid	3050B	
280-95601-18	ST-SO-DUP2	Total/NA	Solid	3050B	
MB 280-368673/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 280-368673/2-A	Lab Control Sample	Total/NA	Solid	3050B	
280-95601-7 MS	NA-SO-02-01-09	Total/NA	Solid	3050B	
280-95601-7 MSD	NA-SO-02-01-09	Total/NA	Solid	3050B	
280-95601-14 MS	ST-SO-01-01-09	Total/NA	Solid	3050B	
280-95601-14 MSD	ST-SO-01-01-09	Total/NA	Solid	3050B	

Prep Batch: 368674

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-95601-2	NA-SO-01-00-01	Total/NA	Solid	3050B	
280-95601-3	NA-SO-01-01-09	Total/NA	Solid	3050B	
280-95601-4	NA-SO-01-09-18	Total/NA	Solid	3050B	
280-95601-6	NA-SO-02-00-01	Total/NA	Solid	3050B	
280-95601-7	NA-SO-02-01-09	Total/NA	Solid	3050B	
280-95601-8	NA-SO-02-09-18	Total/NA	Solid	3050B	
280-95601-10	NA-SO-DUP1	Total/NA	Solid	3050B	
280-95601-13	ST-SO-01-00-01	Total/NA	Solid	3050B	
280-95601-14	ST-SO-01-01-09	Total/NA	Solid	3050B	
280-95601-15	ST-SO-01-09-18	Total/NA	Solid	3050B	
280-95601-18	ST-SO-DUP2	Total/NA	Solid	3050B	
MB 280-368674/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 280-368674/2-A	Lab Control Sample	Total/NA	Solid	3050B	
280-95601-7 MS	NA-SO-02-01-09	Total/NA	Solid	3050B	
280-95601-7 MSD	NA-SO-02-01-09	Total/NA	Solid	3050B	
280-95601-14 MS	ST-SO-01-01-09	Total/NA	Solid	3050B	
280-95601-14 MSD	ST-SO-01-01-09	Total/NA	Solid	3050B	

Prep Batch: 368678

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-95601-1	NA-EB-20170406	Total/NA	Water	3010A	
280-95601-12	ST-EB-20170406	Total/NA	Water	3010A	
MB 280-368678/1-A	Method Blank	Total/NA	Water	3010A	

Metals (Continued)

Prep Batch: 368678 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 280-368678/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 280-368678/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	
280-95601-1 MS	NA-EB-20170406	Total/NA	Water	3010A	
280-95601-1 MSD	NA-EB-20170406	Total/NA	Water	3010A	

Analysis Batch: 368990

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-95601-1	NA-EB-20170406	Total/NA	Water	6010B	368678
280-95601-12	ST-EB-20170406	Total/NA	Water	6010B	368678
MB 280-368678/1-A	Method Blank	Total/NA	Water	6010B	368678
LCS 280-368678/2-A	Lab Control Sample	Total/NA	Water	6010B	368678
LCSD 280-368678/3-A	Lab Control Sample Dup	Total/NA	Water	6010B	368678
280-95601-1 MS	NA-EB-20170406	Total/NA	Water	6010B	368678
280-95601-1 MSD	NA-EB-20170406	Total/NA	Water	6010B	368678

Analysis Batch: 369013

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-95601-1	NA-EB-20170406	Total/NA	Water	6020	368667
280-95601-12	ST-EB-20170406	Total/NA	Water	6020	368667
MB 280-368667/1-A	Method Blank	Total/NA	Water	6020	368667
LCS 280-368667/2-A	Lab Control Sample	Total/NA	Water	6020	368667
LCSD 280-368667/3-A	Lab Control Sample Dup	Total/NA	Water	6020	368667

Analysis Batch: 369193

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-95601-2	NA-SO-01-00-01	Total/NA	Solid	6020	368674
280-95601-3	NA-SO-01-01-09	Total/NA	Solid	6020	368674
280-95601-4	NA-SO-01-09-18	Total/NA	Solid	6020	368674
280-95601-6	NA-SO-02-00-01	Total/NA	Solid	6020	368674
280-95601-7	NA-SO-02-01-09	Total/NA	Solid	6020	368674
280-95601-8	NA-SO-02-09-18	Total/NA	Solid	6020	368674
280-95601-10	NA-SO-DUP1	Total/NA	Solid	6020	368674
280-95601-13	ST-SO-01-00-01	Total/NA	Solid	6020	368674
280-95601-14	ST-SO-01-01-09	Total/NA	Solid	6020	368674
280-95601-15	ST-SO-01-09-18	Total/NA	Solid	6020	368674
280-95601-18	ST-SO-DUP2	Total/NA	Solid	6020	368674
MB 280-368674/1-A	Method Blank	Total/NA	Solid	6020	368674
LCS 280-368674/2-A	Lab Control Sample	Total/NA	Solid	6020	368674
280-95601-7 MS	NA-SO-02-01-09	Total/NA	Solid	6020	368674
280-95601-7 MSD	NA-SO-02-01-09	Total/NA	Solid	6020	368674
280-95601-14 MS	ST-SO-01-01-09	Total/NA	Solid	6020	368674
280-95601-14 MSD	ST-SO-01-01-09	Total/NA	Solid	6020	368674

Prep Batch: 369220

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-95601-1	NA-EB-20170406	Total/NA	Water	7470A	
280-95601-12	ST-EB-20170406	Total/NA	Water	7470A	
MB 280-369220/1-A	Method Blank	Total/NA	Water	7470A	
LCS 280-369220/2-A	Lab Control Sample	Total/NA	Water	7470A	

Metals (Continued)

Analysis Batch: 369381

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-95601-1	NA-EB-20170406	Total/NA	Water	7470A	369220
280-95601-12	ST-EB-20170406	Total/NA	Water	7470A	369220
MB 280-369220/1-A	Method Blank	Total/NA	Water	7470A	369220
LCS 280-369220/2-A	Lab Control Sample	Total/NA	Water	7470A	369220

Prep Batch: 369395

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-95601-2	NA-SO-01-00-01	Total/NA	Solid	7471A	
280-95601-3	NA-SO-01-01-09	Total/NA	Solid	7471A	
280-95601-4	NA-SO-01-09-18	Total/NA	Solid	7471A	
280-95601-6	NA-SO-02-00-01	Total/NA	Solid	7471A	
280-95601-7	NA-SO-02-01-09	Total/NA	Solid	7471A	
280-95601-8	NA-SO-02-09-18	Total/NA	Solid	7471A	
280-95601-10	NA-SO-DUP1	Total/NA	Solid	7471A	
280-95601-13	ST-SO-01-00-01	Total/NA	Solid	7471A	
280-95601-14	ST-SO-01-01-09	Total/NA	Solid	7471A	
280-95601-15	ST-SO-01-09-18	Total/NA	Solid	7471A	
280-95601-18	ST-SO-DUP2	Total/NA	Solid	7471A	
MB 280-369395/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 280-369395/2-A	Lab Control Sample	Total/NA	Solid	7471A	
280-95601-7 MS	NA-SO-02-01-09	Total/NA	Solid	7471A	
280-95601-7 MSD	NA-SO-02-01-09	Total/NA	Solid	7471A	
280-95601-14 MS	ST-SO-01-01-09	Total/NA	Solid	7471A	
280-95601-14 MSD	ST-SO-01-01-09	Total/NA	Solid	7471A	

Analysis Batch: 369506

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-95601-2	NA-SO-01-00-01	Total/NA	Solid	6010C	368673
280-95601-3	NA-SO-01-01-09	Total/NA	Solid	6010C	368673
280-95601-4	NA-SO-01-09-18	Total/NA	Solid	6010C	368673
280-95601-6	NA-SO-02-00-01	Total/NA	Solid	6010C	368673
280-95601-7	NA-SO-02-01-09	Total/NA	Solid	6010C	368673
280-95601-8	NA-SO-02-09-18	Total/NA	Solid	6010C	368673
280-95601-10	NA-SO-DUP1	Total/NA	Solid	6010C	368673
280-95601-13	ST-SO-01-00-01	Total/NA	Solid	6010C	368673
280-95601-14	ST-SO-01-01-09	Total/NA	Solid	6010C	368673
280-95601-15	ST-SO-01-09-18	Total/NA	Solid	6010C	368673
280-95601-18	ST-SO-DUP2	Total/NA	Solid	6010C	368673
MB 280-368673/1-A	Method Blank	Total/NA	Solid	6010C	368673
LCS 280-368673/2-A	Lab Control Sample	Total/NA	Solid	6010C	368673
280-95601-7 MS	NA-SO-02-01-09	Total/NA	Solid	6010C	368673
280-95601-7 MSD	NA-SO-02-01-09	Total/NA	Solid	6010C	368673
280-95601-14 MS	ST-SO-01-01-09	Total/NA	Solid	6010C	368673
280-95601-14 MSD	ST-SO-01-01-09	Total/NA	Solid	6010C	368673

Analysis Batch: 369550

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-95601-2	NA-SO-01-00-01	Total/NA	Solid	6010C	368673
280-95601-3	NA-SO-01-01-09	Total/NA	Solid	6010C	368673
280-95601-4	NA-SO-01-09-18	Total/NA	Solid	6010C	368673
280-95601-6	NA-SO-02-00-01	Total/NA	Solid	6010C	368673

Metals (Continued)

Analysis Batch: 369550 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-95601-7	NA-SO-02-01-09	Total/NA	Solid	6010C	368673
280-95601-8	NA-SO-02-09-18	Total/NA	Solid	6010C	368673
280-95601-10	NA-SO-DUP1	Total/NA	Solid	6010C	368673
280-95601-13	ST-SO-01-00-01	Total/NA	Solid	6010C	368673
280-95601-14	ST-SO-01-01-09	Total/NA	Solid	6010C	368673
280-95601-15	ST-SO-01-09-18	Total/NA	Solid	6010C	368673
280-95601-18	ST-SO-DUP2	Total/NA	Solid	6010C	368673
MB 280-368673/1-A	Method Blank	Total/NA	Solid	6010C	368673
LCS 280-368673/2-A	Lab Control Sample	Total/NA	Solid	6010C	368673
280-95601-7 MS	NA-SO-02-01-09	Total/NA	Solid	6010C	368673
280-95601-7 MSD	NA-SO-02-01-09	Total/NA	Solid	6010C	368673
280-95601-14 MS	ST-SO-01-01-09	Total/NA	Solid	6010C	368673
280-95601-14 MSD	ST-SO-01-01-09	Total/NA	Solid	6010C	368673

Analysis Batch: 369599

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-95601-2	NA-SO-01-00-01	Total/NA	Solid	7471A	369395
280-95601-3	NA-SO-01-01-09	Total/NA	Solid	7471A	369395
280-95601-4	NA-SO-01-09-18	Total/NA	Solid	7471A	369395
280-95601-6	NA-SO-02-00-01	Total/NA	Solid	7471A	369395
280-95601-7	NA-SO-02-01-09	Total/NA	Solid	7471A	369395
280-95601-8	NA-SO-02-09-18	Total/NA	Solid	7471A	369395
280-95601-10	NA-SO-DUP1	Total/NA	Solid	7471A	369395
280-95601-13	ST-SO-01-00-01	Total/NA	Solid	7471A	369395
280-95601-14	ST-SO-01-01-09	Total/NA	Solid	7471A	369395
280-95601-15	ST-SO-01-09-18	Total/NA	Solid	7471A	369395
280-95601-18	ST-SO-DUP2	Total/NA	Solid	7471A	369395
MB 280-369395/1-A	Method Blank	Total/NA	Solid	7471A	369395
LCS 280-369395/2-A	Lab Control Sample	Total/NA	Solid	7471A	369395
280-95601-7 MS	NA-SO-02-01-09	Total/NA	Solid	7471A	369395
280-95601-7 MSD	NA-SO-02-01-09	Total/NA	Solid	7471A	369395
280-95601-14 MS	ST-SO-01-01-09	Total/NA	Solid	7471A	369395
280-95601-14 MSD	ST-SO-01-01-09	Total/NA	Solid	7471A	369395

General Chemistry

Leach Batch: 369457

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-95601-2	NA-SO-01-00-01	Soluble	Solid	DI Leach	
280-95601-3	NA-SO-01-01-09	Soluble	Solid	DI Leach	
280-95601-4	NA-SO-01-09-18	Soluble	Solid	DI Leach	
280-95601-6	NA-SO-02-00-01	Soluble	Solid	DI Leach	
280-95601-7	NA-SO-02-01-09	Soluble	Solid	DI Leach	
280-95601-8	NA-SO-02-09-18	Soluble	Solid	DI Leach	
280-95601-10	NA-SO-DUP1	Soluble	Solid	DI Leach	
LCS 280-369457/1-A	Lab Control Sample	Soluble	Solid	DI Leach	

Analysis Batch: 370033

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-95601-2	NA-SO-01-00-01	Soluble	Solid	9045C	369457

General Chemistry (Continued)

Analysis Batch: 370033 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-95601-3	NA-SO-01-01-09	Soluble	Solid	9045C	369457
280-95601-4	NA-SO-01-09-18	Soluble	Solid	9045C	369457
280-95601-6	NA-SO-02-00-01	Soluble	Solid	9045C	369457
280-95601-7	NA-SO-02-01-09	Soluble	Solid	9045C	369457
280-95601-8	NA-SO-02-09-18	Soluble	Solid	9045C	369457
280-95601-10	NA-SO-DUP1	Soluble	Solid	9045C	369457
LCS 280-369457/1-A	Lab Control Sample	Soluble	Solid	9045C	369457

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: Denver Urban Garden, JPS

TestAmerica Job ID: 280-95601-1

Client Sample ID: NA-EB-20170406 — Lab Sample ID: 280-95601-1

Date Collected: 04/06/17 09:00 — **Matrix: Water**
Date Received: 04/06/17 16:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	20 mL	20 mL	368802	04/11/17 12:11	TAW	TAL DEN
Total/NA	Prep	3520C			969.1 mL	1 mL	368590	04/09/17 09:10	JDW	TAL DEN
Total/NA	Analysis	8270C		1			368951	04/11/17 23:19	DCK	TAL DEN
Total/NA	Prep	3510C			235.8 mL	5 mL	368975	04/12/17 08:34	JDW	TAL DEN
Total/NA	Analysis	8081A		1			369405	04/15/17 04:07	DAW	TAL DEN
Total/NA	Prep	8151A			932.1 mL	10 mL	368750	04/10/17 16:00	RPC	TAL DEN
Total/NA	Analysis	8151A		1			369351	04/14/17 06:37	AMB1	TAL DEN
Total/NA	Prep	3010A			50 mL	50 mL	368678	04/11/17 07:39	TEB	TAL DEN
Total/NA	Analysis	6010B		1			368990	04/11/17 23:53	SJS	TAL DEN
Total/NA	Prep	3020A			50 mL	50 mL	368667	04/11/17 07:39	SUR	TAL DEN
Total/NA	Analysis	6020		1			369013	04/12/17 05:03	LMT	TAL DEN
Total/NA	Prep	7470A			30 mL	50 mL	369220	04/13/17 12:11	CDH	TAL DEN
Total/NA	Analysis	7470A		1			369381	04/13/17 21:41	CDH	TAL DEN

Client Sample ID: NA-SO-01-00-01 — Lab Sample ID: 280-95601-2

Date Collected: 04/06/17 08:25 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			32.5 g	1 mL	368898	04/11/17 12:41	JRA	TAL DEN
Total/NA	Analysis	8270C SIM		1			369062	04/12/17 12:30	KGV	TAL DEN
Total/NA	Prep	3546	DL		32.5 g	1 mL	368898	04/11/17 12:41	JRA	TAL DEN
Total/NA	Analysis	8270C SIM	DL	2			369062	04/12/17 18:58	KGV	TAL DEN
Total/NA	Prep	3546			30.9 g	10 mL	368827	04/11/17 10:20	JRA	TAL DEN
Total/NA	Analysis	8081B		1			369528	04/16/17 05:42	DAW	TAL DEN
Total/NA	Prep	8151A			50.8 g	10 mL	369558	04/17/17 08:08	KI	TAL DEN
Total/NA	Analysis	8151A		1			369971	04/19/17 10:59	AMB1	TAL DEN
Total/NA	Prep	3050B			1.200 g	100 mL	368673	04/10/17 14:48	SEJ	TAL DEN
Total/NA	Analysis	6010C		1			369506	04/14/17 14:27	CML	TAL DEN
Total/NA	Prep	3050B			1.200 g	100 mL	368673	04/10/17 14:48	SEJ	TAL DEN
Total/NA	Analysis	6010C		1			369550	04/15/17 23:07	CRR	TAL DEN
Total/NA	Prep	3050B			1.385 g	100 mL	368674	04/11/17 14:48	SEJ	TAL DEN
Total/NA	Analysis	6020		1			369193	04/13/17 05:04	LMT	TAL DEN
Total/NA	Prep	7471A			0.57 g	50 mL	369395	04/14/17 12:56	CDH	TAL DEN
Total/NA	Analysis	7471A		1			369599	04/14/17 19:12	CDH	TAL DEN
Soluble	Leach	DI Leach			40.03 g	40 mL	369457	04/14/17 13:02	IEU	TAL DEN
Soluble	Analysis	9045C		1	1 mL	1 mL	370033	04/19/17 10:22	IEU	TAL DEN

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: Denver Urban Garden, JPS

TestAmerica Job ID: 280-95601-1

Client Sample ID: NA-SO-01-01-09

Lab Sample ID: 280-95601-3
Date Collected: 04/06/17 09:43
Matrix: Solid
Date Received: 04/06/17 16:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			32.5 g	1 mL	368898	04/11/17 12:41	JRA	TAL DEN
Total/NA	Analysis	8270C SIM		1			369062	04/12/17 12:56	KGV	TAL DEN
Total/NA	Prep	3546			30.6 g	10 mL	368827	04/11/17 10:20	JRA	TAL DEN
Total/NA	Analysis	8081B		1			369528	04/16/17 05:59	DAW	TAL DEN
Total/NA	Prep	8151A			50.9 g	10 mL	369558	04/17/17 08:08	KI	TAL DEN
Total/NA	Analysis	8151A		1			369971	04/19/17 11:22	AMB1	TAL DEN
Total/NA	Prep	3050B			1.257 g	100 mL	368673	04/10/17 14:48	SEJ	TAL DEN
Total/NA	Analysis	6010C		1			369506	04/14/17 14:29	CML	TAL DEN
Total/NA	Prep	3050B			1.257 g	100 mL	368673	04/10/17 14:48	SEJ	TAL DEN
Total/NA	Analysis	6010C		1			369550	04/15/17 23:09	CRR	TAL DEN
Total/NA	Prep	3050B			1.327 g	100 mL	368674	04/11/17 14:48	SEJ	TAL DEN
Total/NA	Analysis	6020		1			369193	04/13/17 05:08	LMT	TAL DEN
Total/NA	Prep	7471A			0.57 g	50 mL	369395	04/14/17 12:56	CDH	TAL DEN
Total/NA	Analysis	7471A		1			369599	04/14/17 19:15	CDH	TAL DEN
Soluble	Leach	DI Leach			40.11 g	40 mL	369457	04/14/17 13:02	IEU	TAL DEN
Soluble	Analysis	9045C		1	1 mL	1 mL	370033	04/19/17 10:22	IEU	TAL DEN

Client Sample ID: NA-SO-01-09-18

Lab Sample ID: 280-95601-4
Date Collected: 04/06/17 09:50
Matrix: Solid
Date Received: 04/06/17 16:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.3 g	1 mL	368898	04/11/17 12:41	JRA	TAL DEN
Total/NA	Analysis	8270C SIM		1			369062	04/12/17 13:22	KGV	TAL DEN
Total/NA	Prep	3546			32.0 g	10 mL	368827	04/11/17 10:20	JRA	TAL DEN
Total/NA	Analysis	8081B		1			369528	04/16/17 06:17	DAW	TAL DEN
Total/NA	Prep	8151A			51.5 g	10 mL	369558	04/17/17 08:08	KI	TAL DEN
Total/NA	Analysis	8151A		1			369971	04/19/17 11:45	AMB1	TAL DEN
Total/NA	Prep	3050B			1.199 g	100 mL	368673	04/10/17 14:48	SEJ	TAL DEN
Total/NA	Analysis	6010C		1			369506	04/14/17 14:32	CML	TAL DEN
Total/NA	Prep	3050B			1.199 g	100 mL	368673	04/10/17 14:48	SEJ	TAL DEN
Total/NA	Analysis	6010C		1			369550	04/15/17 23:12	CRR	TAL DEN
Total/NA	Prep	3050B			1.239 g	100 mL	368674	04/11/17 14:48	SEJ	TAL DEN
Total/NA	Analysis	6020		1			369193	04/13/17 05:12	LMT	TAL DEN
Total/NA	Prep	7471A			0.54 g	50 mL	369395	04/14/17 12:56	CDH	TAL DEN
Total/NA	Analysis	7471A		1			369599	04/14/17 19:17	CDH	TAL DEN
Soluble	Leach	DI Leach			40.02 g	40 mL	369457	04/14/17 13:02	IEU	TAL DEN
Soluble	Analysis	9045C		1	1 mL	1 mL	370033	04/19/17 10:22	IEU	TAL DEN

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: Denver Urban Garden, JPS

TestAmerica Job ID: 280-95601-1

Client Sample ID: NA-SO-01-16-18 — Lab Sample ID: 280-95601-5

Date Collected: 04/06/17 09:55 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.505 g	5 mL	370102	04/19/17 15:00	ADD	TAL DEN
Total/NA	Analysis	8260B		1	5 g	5 mL	370092	04/19/17 22:57	ADD	TAL DEN

Client Sample ID: NA-SO-02-00-01 — Lab Sample ID: 280-95601-6

Date Collected: 04/06/17 09:36 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			31.7 g	1 mL	368898	04/11/17 12:41	JRA	TAL DEN
Total/NA	Analysis	8270C SIM		1			369062	04/12/17 13:48	KGV	TAL DEN
Total/NA	Prep	3546	DL		31.7 g	1 mL	368898	04/11/17 12:41	JRA	TAL DEN
Total/NA	Analysis	8270C SIM	DL	5			369062	04/12/17 19:24	KGV	TAL DEN
Total/NA	Prep	3546			32.9 g	10 mL	368827	04/11/17 10:20	JRA	TAL DEN
Total/NA	Analysis	8081B		1			369528	04/16/17 06:34	DAW	TAL DEN
Total/NA	Prep	8151A			51.0 g	10 mL	369558	04/17/17 08:08	KI	TAL DEN
Total/NA	Analysis	8151A		1			369971	04/19/17 12:07	AMB1	TAL DEN
Total/NA	Prep	3050B			1.166 g	100 mL	368673	04/10/17 14:48	SEJ	TAL DEN
Total/NA	Analysis	6010C		1			369506	04/14/17 14:34	CML	TAL DEN
Total/NA	Prep	3050B			1.166 g	100 mL	368673	04/10/17 14:48	SEJ	TAL DEN
Total/NA	Analysis	6010C		1			369550	04/15/17 23:25	CRR	TAL DEN
Total/NA	Prep	3050B			1.039 g	100 mL	368674	04/11/17 14:48	SEJ	TAL DEN
Total/NA	Analysis	6020		1			369193	04/13/17 05:42	LMT	TAL DEN
Total/NA	Prep	7471A			0.54 g	50 mL	369395	04/14/17 12:56	CDH	TAL DEN
Total/NA	Analysis	7471A		1			369599	04/14/17 19:19	CDH	TAL DEN
Soluble	Leach	DI Leach			40.26 g	40 mL	369457	04/14/17 13:02	IEU	TAL DEN
Soluble	Analysis	9045C		1	1 mL	1 mL	370033	04/19/17 10:22	IEU	TAL DEN

Client Sample ID: NA-SO-02-01-09 — Lab Sample ID: 280-95601-7

Date Collected: 04/06/17 09:36 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.8 g	1 mL	368898	04/11/17 12:41	JRA	TAL DEN
Total/NA	Analysis	8270C SIM		1			369062	04/12/17 14:13	KGV	TAL DEN
Total/NA	Prep	3546			30.6 g	10 mL	368827	04/11/17 10:20	JRA	TAL DEN
Total/NA	Analysis	8081B		1			369528	04/16/17 06:52	DAW	TAL DEN
Total/NA	Prep	8151A			52.7 g	10 mL	369558	04/17/17 08:08	KI	TAL DEN
Total/NA	Analysis	8151A		1			369971	04/19/17 12:30	AMB1	TAL DEN
Total/NA	Prep	3050B			1.123 g	100 mL	368673	04/10/17 14:48	SEJ	TAL DEN
Total/NA	Analysis	6010C		1			369506	04/14/17 14:04	CML	TAL DEN
Total/NA	Prep	3050B			1.123 g	100 mL	368673	04/10/17 14:48	SEJ	TAL DEN
Total/NA	Analysis	6010C		1			369550	04/15/17 22:55	CRR	TAL DEN
Total/NA	Prep	3050B			1.123 g	100 mL	368674	04/11/17 14:48	SEJ	TAL DEN

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: Denver Urban Garden, JPS

TestAmerica Job ID: 280-95601-1

Client Sample ID: NA-SO-02-01-09 — Lab Sample ID: 280-95601-7

Date Collected: 04/06/17 09:36 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6020		1			369193	04/13/17 05:16	LMT	TAL DEN
Total/NA	Prep	7471A			0.60 g	50 mL	369395	04/14/17 12:56	CDH	TAL DEN
Total/NA	Analysis	7471A		1			369599	04/14/17 19:21	CDH	TAL DEN
Soluble	Leach	DI Leach			40.12 g	40 mL	369457	04/14/17 13:02	IEU	TAL DEN
Soluble	Analysis	9045C		1	1 mL	1 mL	370033	04/19/17 10:22	IEU	TAL DEN

Client Sample ID: NA-SO-02-09-18 — Lab Sample ID: 280-95601-8

Date Collected: 04/06/17 09:48 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			31.6 g	1 mL	368898	04/11/17 12:41	JRA	TAL DEN
Total/NA	Analysis	8270C SIM		1			369062	04/12/17 15:31	KGV	TAL DEN
Total/NA	Prep	3546			30.1 g	10 mL	368827	04/11/17 10:20	JRA	TAL DEN
Total/NA	Analysis	8081B		1			369528	04/16/17 07:44	DAW	TAL DEN
Total/NA	Prep	8151A			50.0 g	10 mL	369558	04/17/17 08:08	KI	TAL DEN
Total/NA	Analysis	8151A		1			369971	04/19/17 14:02	AMB1	TAL DEN
Total/NA	Prep	3050B			1.244 g	100 mL	368673	04/10/17 14:48	SEJ	TAL DEN
Total/NA	Analysis	6010C		1			369506	04/14/17 14:36	CML	TAL DEN
Total/NA	Prep	3050B			1.244 g	100 mL	368673	04/10/17 14:48	SEJ	TAL DEN
Total/NA	Analysis	6010C		1			369550	04/15/17 23:27	CRR	TAL DEN
Total/NA	Prep	3050B			1.057 g	100 mL	368674	04/11/17 14:48	SEJ	TAL DEN
Total/NA	Analysis	6020		1			369193	04/13/17 05:46	LMT	TAL DEN
Total/NA	Prep	7471A			0.57 g	50 mL	369395	04/14/17 12:56	CDH	TAL DEN
Total/NA	Analysis	7471A		1			369599	04/14/17 19:33	CDH	TAL DEN
Soluble	Leach	DI Leach			40.32 g	40 mL	369457	04/14/17 13:02	IEU	TAL DEN
Soluble	Analysis	9045C		1	1 mL	1 mL	370033	04/19/17 10:22	IEU	TAL DEN

Client Sample ID: NA-SO-02-16-18 — Lab Sample ID: 280-95601-9

Date Collected: 04/06/17 09:50 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.318 g	5 mL	370102	04/19/17 15:00	ADD	TAL DEN
Total/NA	Analysis	8260B		1	5 g	5 mL	370092	04/20/17 00:41	ADD	TAL DEN

Client Sample ID: NA-SO-DUP1 — Lab Sample ID: 280-95601-10

Date Collected: 04/06/17 00:00 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.9 g	1 mL	368898	04/11/17 12:41	JRA	TAL DEN
Total/NA	Analysis	8270C SIM		1			369062	04/12/17 15:57	KGV	TAL DEN

Client Sample ID: NA-SO-DUP1 — Lab Sample ID: 280-95601-10

Date Collected: 04/06/17 00:00 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546	DL		30.9 g	1 mL	368898	04/11/17 12:41	JRA	TAL DEN
Total/NA	Analysis	8270C SIM	DL	2			369227	04/13/17 12:09	KGV	TAL DEN
Total/NA	Prep	3546			30.4 g	10 mL	368827	04/11/17 10:20	JRA	TAL DEN
Total/NA	Analysis	8081B		1			369528	04/16/17 08:02	DAW	TAL DEN
Total/NA	Prep	8151A			50.9 g	10 mL	369558	04/17/17 08:08	KI	TAL DEN
Total/NA	Analysis	8151A		1			369971	04/19/17 14:25	AMB1	TAL DEN
Total/NA	Prep	3050B			1.323 g	100 mL	368673	04/10/17 14:48	SEJ	TAL DEN
Total/NA	Analysis	6010C		1			369506	04/14/17 14:39	CML	TAL DEN
Total/NA	Prep	3050B			1.323 g	100 mL	368673	04/10/17 14:48	SEJ	TAL DEN
Total/NA	Analysis	6010C		1			369550	04/15/17 23:30	CRR	TAL DEN
Total/NA	Prep	3050B			1.434 g	100 mL	368674	04/11/17 14:48	SEJ	TAL DEN
Total/NA	Analysis	6020		1			369193	04/13/17 05:50	LMT	TAL DEN
Total/NA	Prep	7471A			0.58 g	50 mL	369395	04/14/17 12:56	CDH	TAL DEN
Total/NA	Analysis	7471A		1			369599	04/14/17 19:35	CDH	TAL DEN
Soluble	Leach	DI Leach			40.05 g	40 mL	369457	04/14/17 13:02	IEU	TAL DEN
Soluble	Analysis	9045C		1	1 mL	1 mL	370033	04/19/17 10:22	IEU	TAL DEN

Client Sample ID: NA-SO-DUP2 — Lab Sample ID: 280-95601-11

Date Collected: 04/06/17 00:00 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.537 g	5 mL	370102	04/19/17 15:00	ADD	TAL DEN
Total/NA	Analysis	8260B		1	5 g	5 mL	370092	04/20/17 01:02	ADD	TAL DEN

Client Sample ID: ST-EB-20170406 — Lab Sample ID: 280-95601-12

Date Collected: 04/06/17 11:40 — **Matrix: Water**
Date Received: 04/06/17 16:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	20 mL	20 mL	368802	04/11/17 12:32	TAW	TAL DEN
Total/NA	Prep	3520C			908.1 mL	1 mL	368590	04/09/17 09:10	JDW	TAL DEN
Total/NA	Analysis	8270C		1			368951	04/11/17 23:47	DCK	TAL DEN
Total/NA	Prep	3510C			233.3 mL	5 mL	368975	04/12/17 08:34	JDW	TAL DEN
Total/NA	Analysis	8081A		1			369405	04/15/17 04:24	DAW	TAL DEN
Total/NA	Prep	8151A			902.8 mL	10 mL	368750	04/10/17 16:00	RPC	TAL DEN
Total/NA	Analysis	8151A		1			369351	04/14/17 06:59	AMB1	TAL DEN
Total/NA	Prep	3010A			50 mL	50 mL	368678	04/11/17 07:39	TEB	TAL DEN
Total/NA	Analysis	6010B		1			368990	04/12/17 00:03	SJS	TAL DEN
Total/NA	Prep	3020A			50 mL	50 mL	368667	04/11/17 07:39	SUR	TAL DEN
Total/NA	Analysis	6020		1			369013	04/12/17 05:07	LMT	TAL DEN
Total/NA	Prep	7470A			30 mL	50 mL	369220	04/13/17 12:11	CDH	TAL DEN
Total/NA	Analysis	7470A		1			369381	04/13/17 21:44	CDH	TAL DEN

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: Denver Urban Garden, JPS

TestAmerica Job ID: 280-95601-1

Client Sample ID: ST-SO-01-00-01

Lab Sample ID: 280-95601-13

Date Collected: 04/06/17 12:00
Matrix: Solid
Date Received: 04/06/17 16:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.4 g	1 mL	368898	04/11/17 12:41	JRA	TAL DEN
Total/NA	Analysis	8270C SIM		1			369062	04/12/17 16:23	KGV	TAL DEN
Total/NA	Prep	3050B			1.100 g	100 mL	368673	04/10/17 14:48	SEJ	TAL DEN
Total/NA	Analysis	6010C		1			369506	04/14/17 14:42	CML	TAL DEN
Total/NA	Prep	3050B			1.100 g	100 mL	368673	04/10/17 14:48	SEJ	TAL DEN
Total/NA	Analysis	6010C		1			369550	04/15/17 23:32	CRR	TAL DEN
Total/NA	Prep	3050B			1.167 g	100 mL	368674	04/11/17 14:48	SEJ	TAL DEN
Total/NA	Analysis	6020		1			369193	04/13/17 05:54	LMT	TAL DEN
Total/NA	Prep	7471A			0.54 g	50 mL	369395	04/14/17 12:56	CDH	TAL DEN
Total/NA	Analysis	7471A		1			369599	04/14/17 19:37	CDH	TAL DEN

Client Sample ID: ST-SO-01-01-09

Lab Sample ID: 280-95601-14

Date Collected: 04/06/17 12:10
Matrix: Solid
Date Received: 04/06/17 16:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.3 g	1 mL	368898	04/11/17 12:41	JRA	TAL DEN
Total/NA	Analysis	8270C SIM		1			369062	04/12/17 16:49	KGV	TAL DEN
Total/NA	Prep	3546			29.9 g	10 mL	368827	04/11/17 10:20	JRA	TAL DEN
Total/NA	Analysis	8081B		1			369528	04/16/17 08:19	DAW	TAL DEN
Total/NA	Prep	8151A			50.7 g	10 mL	369558	04/17/17 08:08	KI	TAL DEN
Total/NA	Analysis	8151A		1			369971	04/19/17 14:48	AMB1	TAL DEN
Total/NA	Prep	3050B			1.474 g	100 mL	368673	04/10/17 14:48	SEJ	TAL DEN
Total/NA	Analysis	6010C		1			369506	04/14/17 14:59	CML	TAL DEN
Total/NA	Prep	3050B			1.474 g	100 mL	368673	04/10/17 14:48	SEJ	TAL DEN
Total/NA	Analysis	6010C		1			369550	04/15/17 23:40	CRR	TAL DEN
Total/NA	Prep	3050B			1.429 g	100 mL	368674	04/11/17 14:48	SEJ	TAL DEN
Total/NA	Analysis	6020		1			369193	04/13/17 05:58	LMT	TAL DEN
Total/NA	Prep	7471A			0.51 g	50 mL	369395	04/14/17 12:56	CDH	TAL DEN
Total/NA	Analysis	7471A		1			369599	04/14/17 19:39	CDH	TAL DEN

Client Sample ID: ST-SO-01-09-18

Lab Sample ID: 280-95601-15

Date Collected: 04/06/17 12:35
Matrix: Solid
Date Received: 04/06/17 16:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			31.5 g	1 mL	368898	04/11/17 12:41	JRA	TAL DEN
Total/NA	Analysis	8270C SIM		1			369062	04/12/17 18:06	KGV	TAL DEN
Total/NA	Prep	3050B			1.133 g	100 mL	368673	04/10/17 14:48	SEJ	TAL DEN
Total/NA	Analysis	6010C		1			369506	04/14/17 14:44	CML	TAL DEN
Total/NA	Prep	3050B			1.133 g	100 mL	368673	04/10/17 14:48	SEJ	TAL DEN
Total/NA	Analysis	6010C		1			369550	04/15/17 23:35	CRR	TAL DEN
Total/NA	Prep	3050B			1.369 g	100 mL	368674	04/11/17 14:48	SEJ	TAL DEN

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: Denver Urban Garden, JPS

TestAmerica Job ID: 280-95601-1

Client Sample ID: ST-SO-01-09-18 — Lab Sample ID: 280-95601-15

Date Collected: 04/06/17 12:35 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6020		1			369193	04/13/17 06:09	LMT	TAL DEN
Total/NA	Prep	7471A			0.51 g	50 mL	369395	04/14/17 12:56	CDH	TAL DEN
Total/NA	Analysis	7471A		1			369599	04/14/17 19:46	CDH	TAL DEN

Client Sample ID: ST-SO-01-15-16 — Lab Sample ID: 280-95601-16

Date Collected: 04/06/17 12:45 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.639 g	5 mL	370102	04/19/17 15:00	ADD	TAL DEN
Total/NA	Analysis	8260B		1	5 g	5 mL	370092	04/20/17 01:23	ADD	TAL DEN

Client Sample ID: ST-SO-DUP1 — Lab Sample ID: 280-95601-17

Date Collected: 04/06/17 00:00 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.0 g	10 mL	368827	04/11/17 10:20	JRA	TAL DEN
Total/NA	Analysis	8081B		1			369528	04/16/17 09:12	DAW	TAL DEN
Total/NA	Prep	8151A			50.3 g	10 mL	369558	04/17/17 08:08	KI	TAL DEN
Total/NA	Analysis	8151A		1			369971	04/19/17 15:57	AMB1	TAL DEN

Client Sample ID: ST-SO-DUP2 — Lab Sample ID: 280-95601-18

Date Collected: 04/06/17 00:00 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.7 g	1 mL	368898	04/11/17 12:41	JRA	TAL DEN
Total/NA	Analysis	8270C SIM		1			369062	04/12/17 18:32	KGV	TAL DEN
Total/NA	Prep	3050B			1.096 g	100 mL	368673	04/10/17 14:48	SEJ	TAL DEN
Total/NA	Analysis	6010C		1			369506	04/14/17 14:47	CML	TAL DEN
Total/NA	Prep	3050B			1.096 g	100 mL	368673	04/10/17 14:48	SEJ	TAL DEN
Total/NA	Analysis	6010C		1			369550	04/15/17 23:37	CRR	TAL DEN
Total/NA	Prep	3050B			1.130 g	100 mL	368674	04/11/17 14:48	SEJ	TAL DEN
Total/NA	Analysis	6020		1			369193	04/13/17 06:13	LMT	TAL DEN
Total/NA	Prep	7471A			0.50 g	50 mL	369395	04/14/17 12:56	CDH	TAL DEN
Total/NA	Analysis	7471A		1			369599	04/14/17 19:48	CDH	TAL DEN

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: Denver Urban Garden, JPS

TestAmerica Job ID: 280-95601-1

Client Sample ID: ST-SO-DUP3

Lab Sample ID: 280-95601-19

Date Collected: 04/06/17 00:00

Matrix: Solid

Date Received: 04/06/17 16:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.247 g	5 mL	370102	04/19/17 15:00	ADD	TAL DEN
Total/NA	Analysis	8260B		1	5 g	5 mL	370092	04/20/17 03:28	ADD	TAL DEN

Laboratory References:

TAL DEN = TestAmerica Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

Accreditation/Certification Summary

Client: Weston Solutions, Inc.
Project/Site: Denver Urban Garden, JPS

TestAmerica Job ID: 280-95601-1

Laboratory: TestAmerica Denver

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
A2LA	DoD ELAP		2907.01	10-31-17
A2LA	ISO/IEC 17025		2907.01	10-31-17
Alabama	State Program	4	40730	09-30-12 *
Alaska (UST)	State Program	10	UST-30	04-05-18
Arizona	State Program	9	AZ0713	12-20-17
Arkansas DEQ	State Program	6	88-0687	06-01-17
California	State Program	9	2513	01-08-18 *
Connecticut	State Program	1	PH-0686	09-30-18
Florida	NELAP	4	E87667	06-30-17
Georgia	State Program	4	N/A	01-08-18
Illinois	NELAP	5	200017	04-30-18
Iowa	State Program	7	370	12-01-18 *
Kansas	NELAP	7	E-10166	04-30-17 *
Louisiana	NELAP	6	02096	06-30-17
Maine	State Program	1	CO0002	03-03-19
Minnesota	NELAP	5	8-999-405	12-31-17 *
Nevada	State Program	9	CO0026	07-31-17
New Hampshire	NELAP	1	205310	04-28-17
New Jersey	NELAP	2	CO004	06-30-17
New York	NELAP	2	11964	04-01-18
North Carolina (WW/SW)	State Program	4	358	12-31-17
North Dakota	State Program	8	R-034	01-09-18
Oklahoma	State Program	6	8614	08-31-17
Oregon	NELAP	10	4025	01-08-18
Pennsylvania	NELAP	3	68-00664	07-31-17
South Carolina	State Program	4	72002001	01-09-17 *
Texas	NELAP	6	T104704183-16-12	09-30-17
USDA	Federal		P330-16-00397	12-15-19
Utah	NELAP	8	CO00026	07-31-17
Virginia	NELAP	3	460232	06-14-17
Washington	State Program	10	C583	08-02-17
West Virginia DEP	State Program	3	354	11-30-17
Wisconsin	State Program	5	999615430	08-31-17
Wyoming (UST)	A2LA	8	2907.01	10-31-17

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

USEPA
DateShipped: 4/6/2017
CarrierName:
AirbillNo:

280-95601 Chain of Custody

CHAIN OF CUSTODY RECORD
Site #: R08040617
Contact Name: Eric Sandusky
Contact Phone: 678-516-7299

No: 8-040617-143047-0001
Cooler #:
Lab: TestAmerica Laboratories Inc.
Lab Phone: 303-736-0100

Lab #	Sample #	Location	Analyses	Matrix	Collected	Numb Cont	Container	Preservative	MS/MSD
	NA-EB-20170406	North Arvada Middle School	TAL Metals	Water	4/6/2017	1	500 mL Poly	HNO3 pH<2	N
	NA-EB-20170406	North Arvada Middle School	SVOC	Water	4/6/2017	2	1 liter amber	4 C	N
	NA-EB-20170406	North Arvada Middle School	Herbicide	Water	4/6/2017	2	1 liter amber	4 C	N
	NA-EB-20170406	North Arvada Middle School	Pesticide	Water	4/6/2017	2	250 mL amber	4 C	N
	NA-EB-20170406	North Arvada Middle School	VOC	Water	4/6/2017	3	40 ml VOA	4 C	N
	NA-SO-01-00-01	North Arvada Middle School	Pesticide & Herbicide	Soil	4/6/2017	1	8 oz Jar	4 C	N
	NA-SO-01-00-01	North Arvada Middle School	SVOC & pH	Soil	4/6/2017	1	4 oz Jar	4 C	N
	NA-SO-01-00-01	North Arvada Middle School	TAL Metals	Soil	4/6/2017	1	4 oz Jar	4 C	N
	NA-SO-01-01-09	North Arvada Middle School	Pesticide & Herbicide	Soil	4/6/2017	1	8 oz Jar	4 C	N
	NA-SO-01-01-09	North Arvada Middle School	SVOC & pH	Soil	4/6/2017	1	4 oz Jar	4 C	N
	NA-SO-01-01-09	North Arvada Middle School	TAL Metals	Soil	4/6/2017	1	4 oz Jar	4 C	N

Special Instructions: 19.1, 16.0+0.0 IR#7 JS 4/6/17

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
	[illegible]	4/6	[illegible]	4-6-17	1620						

USEPA
DateShipped: 4/6/2017
CarrierName:
AirbillNo:

CHAIN OF CUSTODY RECORD
Site #: R08040617
Contact Name: Eric Sandusky
Contact Phone: 678-516-7299

No: 8-040617-143047-0001
Cooler #:
Lab: TestAmerica Laboratories Inc.
Lab Phone: 303-736-0100

Lab #	Sample #	Location	Analyses	Matrix	Collected	Numb Cont	Container	Preservative	MS/MSD
	NA-SO-01-09-18	North Arvada Middle School	Pesticide & Herbicide	Soil	4/6/2017	1	8 oz Jar	4 C	N
	NA-SO-01-09-18	North Arvada Middle School	SVOC & pH	Soil	4/6/2017	1	4 oz Jar	4 C	N
	NA-SO-01-09-18	North Arvada Middle School	TAL Metals	Soil	4/6/2017	1	4 oz Jar	4 C	N
	NA-SO-01-16-18	North Arvada Middle School	VOC	Soil	4/6/2017	3	4 oz Jar	4 C	Y
	NA-SO-02-00-01	North Arvada Middle School	Pesticide & Herbicide	Soil	4/6/2017	1	8 oz Jar	4 C	N
	NA-SO-02-00-01	North Arvada Middle School	SVOC & pH	Soil	4/6/2017	1	4 oz Jar	4 C	N
	NA-SO-02-00-01	North Arvada Middle School	TAL Metals	Soil	4/6/2017	1	4 oz Jar	4 C	N
	NA-SO-02-01-09	North Arvada Middle School	Pesticide & Herbicide	Soil	4/6/2017	3	8 oz Jar	4 C	Y
	NA-SO-02-01-09	North Arvada Middle School	SVOC & pH	Soil	4/6/2017	3	4 oz Jar	4 C	Y
	NA-SO-02-01-09	North Arvada Middle School	TAL Metals	Soil	4/6/2017	3	4 oz Jar	4 C	Y
	NA-SO-02-09-18	North Arvada Middle School	Pesticide & Herbicide	Soil	4/6/2017	1	8 oz Jar	4 C	N

Special Instructions:

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
	Eric Sandusky	4/6	Sa	4-6-17	1620						

USEPA
DateShipped: 4/6/2017
CarrierName:
AirbillNo:

CHAIN OF CUSTODY RECORD
Site #: R08040617
Contact Name: Eric Sandusky
Contact Phone: 678-516-7299

No: 8-040617-143047-0001
Cooler #:
Lab: TestAmerica Laboratories Inc.
Lab Phone: 303-736-0100

Lab #	Sample #	Location	Analyses	Matrix	Collected	Numb Cont	Container	Preservative	MS/MSD
	NA-SO-02-09-18	North Arvada Middle School	SVOC & pH	Soil	4/6/2017	1	4 oz Jar	4 C	N
	NA-SO-02-09-18	North Arvada Middle School	TAL Metals	Soil	4/6/2017	1	4 oz Jar	4 C	N
	NA-SO-02-16-18	North Arvada Middle School	VOC	Soil	4/6/2017	1	4 oz Jar	4 C	N
	NA-SO-DUP1	North Arvada Middle School	Pesticide & Herbicide	Soil	4/6/2017	1	8 oz Jar	4 C	N
	NA-SO-DUP1	North Arvada Middle School	SVOC & pH	Soil	4/6/2017	1	4 oz Jar	4 C	N
	NA-SO-DUP1	North Arvada Middle School	TAL Metals	Soil	4/6/2017	1	4 oz Jar	4 C	N
	NA-SO-DUP2	North Arvada Middle School	VOC	Soil	4/6/2017	1	4 oz Jar	4 C	N
	ST-EB-20170406	Stevens Elem School	TAL Metals	Water	4/6/2017	1	500 mL Poly	HNO3 pH<2	N
	ST-EB-20170406	Stevens Elem School	SVOC	Water	4/6/2017	2	1 liter amber	4 C	N
	ST-EB-20170406	Stevens Elem School	Herbicide	Water	4/6/2017	2	1 liter amber	4 C	N
	ST-EB-20170406	Stevens Elem School	Pesticide	Water	4/6/2017	2	250 mL amber	4 C	N
	ST-EB-20170406	Stevens Elem School	VOC	Water	4/6/2017	3	40 ml VOA	4 C	N
	ST-SO-01-00-01	Stevens Elem School	SVOC	Soil	4/6/2017	1	4 oz Jar	4 C	N
	ST-SO-01-00-01	Stevens Elem School	TAL Metals	Soil	4/6/2017	1	4 oz Jar	4 C	N

Special Instructions:

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
	[signature]	4/6	[signature]	4-6-17	1620						

USEPA
DateShipped: 4/6/2017
CarrierName:
AirbillNo:

CHAIN OF CUSTODY RECORD
Site #: R08040617
Contact Name: Eric Sandusky
Contact Phone: 678-516-7299

No: 8-040617-143047-0001
Cooler #:
Lab: TestAmerica Laboratories Inc.
Lab Phone: 303-736-0100

Lab #	Sample #	Location	Analyses	Matrix	Collected	Numb Cont	Container	Preservative	MS/MSD
	ST-SO-01-01-09	Stevens Elem School	Pest/Herb	Soil	4/6/2017	3	8 oz Jar	4 C	Y
	ST-SO-01-01-09	Stevens Elem School	SVOC	Soil	4/6/2017	3	4 oz Jar	4 C	Y
	ST-SO-01-01-09	Stevens Elem School	TAL Metals	Soil	4/6/2017	3	4 oz Jar	4 C	Y
	ST-SO-01-09-18	Stevens Elem School	SVOC	Soil	4/6/2017	1	4 oz Jar	4 C	N
	ST-SO-01-09-18	Stevens Elem School	TAL Metals	Soil	4/6/2017	1	4 oz Jar	4 C	N
	ST-SO-01-15-16	Stevens Elem School	VOC	Soil	4/6/2017	3	4 oz Jar	4 C	Y
	ST-SO-DUP1	Stevens Elem School	Pest/Herb	Soil	4/6/2017	1	8 oz Jar	4 C	N
	ST-SO-DUP2	Stevens Elem School	SVOC	Soil	4/6/2017	1	4 oz Jar	4 C	N
	ST-SO-DUP2	Stevens Elem School	TAL Metals	Soil	4/6/2017	1	4 oz Jar	4 C	N
	ST-SO-DUP3	Stevens Elem School	VOC	Soil	4/6/2017	1	4 oz Jar	4 C	N

Special Instructions:

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
	[illegible]	4/6	SPW T-6-17 [illegible]	T-6-17	1820						

Login Sample Receipt Checklist

Client: Weston Solutions, Inc.

Job Number: 280-95601-1

Login Number: 95601
List Number: 1
Creator: True, Joshua A

List Source: TestAmerica Denver

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	Refer to Job Narrative for details.
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Denver
4955 Yarrow Street
Arvada, CO 80002
Tel: (303)736-0100

TestAmerica Job ID: 280-95601-2
Client Project/Site: Denver Urban Garden, JPS

For:
Weston Solutions, Inc.
1435 Garrison Street
Suite 100
Lakewood, Colorado 80215

Attn: Mr. Eric Sandusky

Stephanie Rothmeyer

Authorized for release by:
5/10/2017 4:12:02 PM

Stephanie Rothmeyer, Project Manager I
(303)736-0182
stephanie.rothmeyer@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page 1
Table of Contents 2
Definitions 3
Case Narrative 4
Detection Summary 6
Method Summary 9
Sample Summary 10
Client Sample Results 11
Surrogate Summary 38
QC Sample Results 39
QC Association 59
Chronicle 61
Certification Summary 64
Chain of Custody 65
Receipt Checklists 69

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time
*	LCS or LCSD is outside acceptance limits.
*	RPD of the LCS and LCSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits

General Chemistry

Qualifier	Qualifier Description
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 280-95601-2

Laboratory: TestAmerica Denver

Narrative

CASE NARRATIVE

Client: Weston Solutions, Inc.

Project: Denver Urban Garden, JPS

Report Number: 280-95601-2

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 4/6/2017 at 4:20 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 14.1º C and 16.0º C.

The samples were received at the laboratory outside the required temperature criteria. The samples were received on ice at temperatures of 16.0 C and 14.1 C. The samples are considered acceptable since they were collected and submitted to the laboratory on the same day and there is evidence that the chilling process has begun.

The following samples were received at the laboratory without a sample collection time documented on the chain of custody: NA-EB-20170406 (280-95601-1), NA-SO-01-00-01 (280-95601-2), NA-SO-01-01-09 (280-95601-3), NA-SO-01-09-18 (280-95601-4), NA-SO-01-16-18 (280-95601-5), NA-SO-01-16-18 (280-95601-5[MS]), NA-SO-01-16-18 (280-95601-5[MSD]), NA-SO-02-00-01 (280-95601-6), NA-SO-02-01-09 (280-95601-7), NA-SO-02-01-09 (280-95601-7[MS]), NA-SO-02-01-09 (280-95601-7[MSD]), NA-SO-02-09-18 (280-95601-8), NA-SO-02-16-18 (280-95601-9), NA-SO-DUP1 (280-95601-10), NA-SO-DUP2 (280-95601-11), ST-EB-20170406 (280-95601-12), ST-SO-01-00-01 (280-95601-13), ST-SO-01-01-09 (280-95601-14), ST-SO-01-01-09 (280-95601-14[MS]), ST-SO-01-01-09 (280-95601-14[MSD]), ST-SO-01-09-18 (280-95601-15), ST-SO-01-15-16 (280-95601-16), ST-SO-01-15-16 (280-95601-16[MS]), ST-SO-01-15-16 (280-95601-16[MSD]), ST-SO-DUP1 (280-95601-17), ST-SO-DUP2 (280-95601-18), ST-SO-DUP3 (280-95601-19). The samples were logged per the sample collection time on the container labels.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples NA-SO-01-00-01 (280-95601-2), NA-SO-01-01-09 (280-95601-3), NA-SO-01-09-18 (280-95601-4), NA-SO-02-00-01 (280-95601-6), NA-SO-02-01-09 (280-95601-7), NA-SO-02-09-18 (280-95601-8), NA-SO-DUP1 (280-95601-10), ST-SO-01-00-01 (280-95601-13), ST-SO-01-01-09 (280-95601-14), ST-SO-01-09-18 (280-95601-15) and ST-SO-DUP2 (280-95601-18) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 05/02/2017 and analyzed on 05/05/2017 and 05/06/2017.

Several analytes failed the recovery criteria low for the MS of sample ST-SO-01-01-09 (280-95601-14) in batch 280-372441. Hexachlorocyclopentadiene failed the recovery criteria low for the MSD of sample ST-SO-01-01-09 (280-95601-14) in batch 280-372441. Several analytes exceeded the RPD limit. Refer to the QC report for details.

The wrong analyte list was initially logged and the lab re-extracted with the correct analyte list out of hold: NA-SO-01-00-01 (280-95601-2), NA-SO-01-01-09 (280-95601-3), NA-SO-01-09-18 (280-95601-4), NA-SO-02-00-01 (280-95601-6), NA-SO-02-01-09 (280-95601-7), NA-SO-02-01-09 (280-95601-7[MS]), NA-SO-02-01-09 (280-95601-7[MSD]), NA-SO-02-09-18 (280-95601-8), NA-SO-DUP1 (280-95601-10), ST-SO-01-00-01 (280-95601-13), ST-SO-01-01-09 (280-95601-14), ST-SO-01-01-09 (280-95601-14[MS]), ST-SO-01-01-09 (280-95601-14[MSD]), ST-SO-01-09-18 (280-95601-15), ST-SO-DUP2 (280-95601-18).

Job ID: 280-95601-2 (Continued)

Laboratory: TestAmerica Denver (Continued)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)
Samples NA-EB-20170406 (280-95601-1) and ST-EB-20170406 (280-95601-12) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 04/30/2017 and 05/05/2017 and analyzed on 05/03/2017 and 05/09/2017.

The wrong analyte list was initially logged and the lab re-extracted with the correct analyte list out of hold: NA-EB-20170406 (280-95601-1), ST-EB-20170406 (280-95601-12).

The laboratory control sample duplicate (LCSD) for batch 280-372066 recovered outside control limits for 1,4 Dioxane. The samples were re-extracted and re-analyzed outside of holding time. Both sets of data are reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

CORROSIVITY (PH)
Samples ST-SO-01-00-01 (280-95601-13), ST-SO-01-01-09 (280-95601-14), ST-SO-01-09-18 (280-95601-15) and ST-SO-DUP2 (280-95601-18) were analyzed for Corrosivity (pH) in accordance with EPA SW-846 Method 9045C. The samples were leached on 05/03/2017 and analyzed on 05/03/2017.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Weston Solutions, Inc.
Project/Site: Denver Urban Garden, JPS

TestAmerica Job ID: 280-95601-2

Client Sample ID: NA-EB-20170406 — Lab Sample ID: 280-95601-1

No Detections.

Client Sample ID: NA-SO-01-00-01 — Lab Sample ID: 280-95601-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	60	J H	320	19	ug/Kg	1		8270C	Total/NA
Benzo[a]pyrene	84	J H	320	19	ug/Kg	1		8270C	Total/NA
Benzo[b]fluoranthene	180	J H	320	25	ug/Kg	1		8270C	Total/NA
Benzo[g,h,i]perylene	94	J H	320	15	ug/Kg	1		8270C	Total/NA
Benzo[k]fluoranthene	53	J H	320	38	ug/Kg	1		8270C	Total/NA
Chrysene	110	J H	320	26	ug/Kg	1		8270C	Total/NA
Fluoranthene	150	J H	320	35	ug/Kg	1		8270C	Total/NA
Indeno[1,2,3-cd]pyrene	92	J H	320	21	ug/Kg	1		8270C	Total/NA
Phenanthrene	36	J H	320	16	ug/Kg	1		8270C	Total/NA
Pyrene	130	J H	320	12	ug/Kg	1		8270C	Total/NA

Client Sample ID: NA-SO-01-01-09 — Lab Sample ID: 280-95601-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	44	J H	310	19	ug/Kg	1		8270C	Total/NA
Benzo[a]pyrene	57	J H	310	19	ug/Kg	1		8270C	Total/NA
Benzo[b]fluoranthene	100	J H	310	25	ug/Kg	1		8270C	Total/NA
Benzo[g,h,i]perylene	58	J H	310	15	ug/Kg	1		8270C	Total/NA
Chrysene	66	J H	310	26	ug/Kg	1		8270C	Total/NA
Fluoranthene	84	J H	310	34	ug/Kg	1		8270C	Total/NA
Indeno[1,2,3-cd]pyrene	55	J H	310	21	ug/Kg	1		8270C	Total/NA
Phenanthrene	17	J H	310	16	ug/Kg	1		8270C	Total/NA
Pyrene	74	J H	310	11	ug/Kg	1		8270C	Total/NA

Client Sample ID: NA-SO-01-09-18 — Lab Sample ID: 280-95601-4

No Detections.

Client Sample ID: NA-SO-02-00-01 — Lab Sample ID: 280-95601-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	120	J H	310	19	ug/Kg	1		8270C	Total/NA
Benzo[a]pyrene	180	J H	310	19	ug/Kg	1		8270C	Total/NA
Benzo[b]fluoranthene	310	H	310	24	ug/Kg	1		8270C	Total/NA
Benzo[g,h,i]perylene	160	J H	310	15	ug/Kg	1		8270C	Total/NA
Benzo[k]fluoranthene	110	J H	310	37	ug/Kg	1		8270C	Total/NA
Bis(2-ethylhexyl) phthalate	500	H	310	43	ug/Kg	1		8270C	Total/NA
Chrysene	210	J H	310	25	ug/Kg	1		8270C	Total/NA
Dibenz(a,h)anthracene	32	J H	310	18	ug/Kg	1		8270C	Total/NA
Fluoranthene	280	J H	310	33	ug/Kg	1		8270C	Total/NA
Indeno[1,2,3-cd]pyrene	190	J H	310	20	ug/Kg	1		8270C	Total/NA
Phenanthrene	62	J H	310	16	ug/Kg	1		8270C	Total/NA
Pyrene	220	J H	310	11	ug/Kg	1		8270C	Total/NA

Client Sample ID: NA-SO-02-01-09 — Lab Sample ID: 280-95601-7

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Weston Solutions, Inc.
Project/Site: Denver Urban Garden, JPS

TestAmerica Job ID: 280-95601-2

Client Sample ID: NA-SO-02-01-09 (Continued) — Lab Sample ID: 280-95601-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]pyrene	22	J H	320	19	ug/Kg	1		8270C	Total/NA
Benzo[b]fluoranthene	42	J H	320	25	ug/Kg	1		8270C	Total/NA
Benzo[g,h,i]perylene	24	J H	320	15	ug/Kg	1		8270C	Total/NA
Chrysene	26	J H	320	26	ug/Kg	1		8270C	Total/NA
Fluoranthene	37	J H	320	35	ug/Kg	1		8270C	Total/NA
Indeno[1,2,3-cd]pyrene	24	J H	320	21	ug/Kg	1		8270C	Total/NA
Pyrene	31	J H	320	12	ug/Kg	1		8270C	Total/NA

Client Sample ID: NA-SO-02-09-18 — Lab Sample ID: 280-95601-8

No Detections.

Client Sample ID: NA-SO-DUP1 — Lab Sample ID: 280-95601-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	53	J H	320	20	ug/Kg	1		8270C	Total/NA
Benzo[a]pyrene	85	J H	320	20	ug/Kg	1		8270C	Total/NA
Benzo[b]fluoranthene	160	J H	320	26	ug/Kg	1		8270C	Total/NA
Benzo[g,h,i]perylene	86	J H	320	16	ug/Kg	1		8270C	Total/NA
Benzo[k]fluoranthene	61	J H	320	39	ug/Kg	1		8270C	Total/NA
Chrysene	110	J H	320	27	ug/Kg	1		8270C	Total/NA
Fluoranthene	140	J H	320	35	ug/Kg	1		8270C	Total/NA
Indeno[1,2,3-cd]pyrene	99	J H	320	22	ug/Kg	1		8270C	Total/NA
Phenanthrene	34	J H	320	17	ug/Kg	1		8270C	Total/NA
Pyrene	110	J H	320	12	ug/Kg	1		8270C	Total/NA

Client Sample ID: ST-EB-20170406 — Lab Sample ID: 280-95601-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	7.6	J H	11	0.63	ug/L	1		8270C	Total/NA

Client Sample ID: ST-SO-01-00-01 — Lab Sample ID: 280-95601-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	20	J H	310	19	ug/Kg	1		8270C	Total/NA
Benzo[a]pyrene	21	J H	310	19	ug/Kg	1		8270C	Total/NA
Benzo[b]fluoranthene	33	J H	310	25	ug/Kg	1		8270C	Total/NA
Benzo[g,h,i]perylene	18	J H	310	15	ug/Kg	1		8270C	Total/NA
Bis(2-ethylhexyl) phthalate	110	J H	310	43	ug/Kg	1		8270C	Total/NA
Fluoranthene	39	J H	310	34	ug/Kg	1		8270C	Total/NA
Pyrene	32	J H	310	11	ug/Kg	1		8270C	Total/NA
pH adj. to 25 deg C	8.3	HF	0.1	0.1	SU	1		9045C	Soluble
Temperature	20.7	HF	1.0	1.0	Degrees C	1		9045C	Soluble

Client Sample ID: ST-SO-01-01-09 — Lab Sample ID: 280-95601-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	20	J H	320	19	ug/Kg	1		8270C	Total/NA
Benzo[a]pyrene	24	J H	320	19	ug/Kg	1		8270C	Total/NA
Benzo[b]fluoranthene	42	J H	320	25	ug/Kg	1		8270C	Total/NA
Benzo[g,h,i]perylene	15	J H	320	15	ug/Kg	1		8270C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Weston Solutions, Inc.
Project/Site: Denver Urban Garden, JPS

TestAmerica Job ID: 280-95601-2

Client Sample ID: ST-SO-01-01-09 (Continued) — Lab Sample ID: 280-95601-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chrysene	26	J H	320	26	ug/Kg	1		8270C	Total/NA
Fluoranthene	42	J H	320	34	ug/Kg	1		8270C	Total/NA
Indeno[1,2,3-cd]pyrene	23	J H	320	21	ug/Kg	1		8270C	Total/NA
Pyrene	36	J H	320	12	ug/Kg	1		8270C	Total/NA
pH adj. to 25 deg C	8.3	HF	0.1	0.1	SU	1		9045C	Soluble
Temperature	20.8	HF	1.0	1.0	Degrees C	1		9045C	Soluble

Client Sample ID: ST-SO-01-09-18 — Lab Sample ID: 280-95601-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	44	J H	310	43	ug/Kg	1		8270C	Total/NA
Pyrene	19	J H	310	11	ug/Kg	1		8270C	Total/NA
pH adj. to 25 deg C	8.3	HF	0.1	0.1	SU	1		9045C	Soluble
Temperature	20.7	HF	1.0	1.0	Degrees C	1		9045C	Soluble

Client Sample ID: ST-SO-DUP2 — Lab Sample ID: 280-95601-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Pyrene	18	J H	330	12	ug/Kg	1		8270C	Total/NA
pH adj. to 25 deg C	8.4	HF	0.1	0.1	SU	1		9045C	Soluble
Temperature	20.8	HF	1.0	1.0	Degrees C	1		9045C	Soluble

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Weston Solutions, Inc.
Project/Site: Denver Urban Garden, JPS

TestAmerica Job ID: 280-95601-2

Method	Method Description	Protocol	Laboratory
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL DEN
9045C	pH	SW846	TAL DEN

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL DEN = TestAmerica Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

Sample Summary

Client: Weston Solutions, Inc.
Project/Site: Denver Urban Garden, JPS

TestAmerica Job ID: 280-95601-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
280-95601-1	NA-EB-20170406	Water	04/06/17 09:00	04/06/17 16:20
280-95601-2	NA-SO-01-00-01	Solid	04/06/17 08:25	04/06/17 16:20
280-95601-3	NA-SO-01-01-09	Solid	04/06/17 09:43	04/06/17 16:20
280-95601-4	NA-SO-01-09-18	Solid	04/06/17 09:50	04/06/17 16:20
280-95601-6	NA-SO-02-00-01	Solid	04/06/17 09:36	04/06/17 16:20
280-95601-7	NA-SO-02-01-09	Solid	04/06/17 09:36	04/06/17 16:20
280-95601-8	NA-SO-02-09-18	Solid	04/06/17 09:48	04/06/17 16:20
280-95601-10	NA-SO-DUP1	Solid	04/06/17 00:00	04/06/17 16:20
280-95601-12	ST-EB-20170406	Water	04/06/17 11:40	04/06/17 16:20
280-95601-13	ST-SO-01-00-01	Solid	04/06/17 12:00	04/06/17 16:20
280-95601-14	ST-SO-01-01-09	Solid	04/06/17 12:10	04/06/17 16:20
280-95601-15	ST-SO-01-09-18	Solid	04/06/17 12:35	04/06/17 16:20
280-95601-18	ST-SO-DUP2	Solid	04/06/17 00:00	04/06/17 16:20

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Client Sample ID: NA-EB-20170406
Date Collected: 04/06/17 09:00
Date Received: 04/06/17 16:20

Lab Sample ID: 280-95601-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND	H	10	1.8	ug/L		04/30/17 08:06	05/03/17 18:39	1
1,2,4,5-Tetrachlorobenzene	ND	H	10	1.8	ug/L		04/30/17 08:06	05/03/17 18:39	1
1,2,4-Trichlorobenzene	ND	H	4.2	0.29	ug/L		04/30/17 08:06	05/03/17 18:39	1
1,2-Dichlorobenzene	ND	H	4.2	0.24	ug/L		04/30/17 08:06	05/03/17 18:39	1
1,3-Dichlorobenzene	ND	H	10	0.31	ug/L		04/30/17 08:06	05/03/17 18:39	1
1,4-Dichlorobenzene	ND	H	4.2	0.34	ug/L		04/30/17 08:06	05/03/17 18:39	1
1,4-Dioxane	ND	H *	21	1.8	ug/L		04/30/17 08:06	05/03/17 18:39	1
2,2'-oxybis[1-chloropropane]	ND	H	10	0.29	ug/L		04/30/17 08:06	05/03/17 18:39	1
2,3,4,6-Tetrachlorophenol	ND	H	52	2.1	ug/L		04/30/17 08:06	05/03/17 18:39	1
2,4,5-Trichlorophenol	ND	H	10	0.47	ug/L		04/30/17 08:06	05/03/17 18:39	1
2,4,6-Trichlorophenol	ND	H	10	0.30	ug/L		04/30/17 08:06	05/03/17 18:39	1
2,4-Dichlorophenol	ND	H	10	0.67	ug/L		04/30/17 08:06	05/03/17 18:39	1
2,4-Dimethylphenol	ND	H	10	0.61	ug/L		04/30/17 08:06	05/03/17 18:39	1
2,4-Dinitrophenol	ND	H	31	10	ug/L		04/30/17 08:06	05/03/17 18:39	1
2,4-Dinitrotoluene	ND	H	10	1.7	ug/L		04/30/17 08:06	05/03/17 18:39	1
2,6-Dinitrotoluene	ND	H	10	2.0	ug/L		04/30/17 08:06	05/03/17 18:39	1
2-Chloronaphthalene	ND	H	4.2	0.27	ug/L		04/30/17 08:06	05/03/17 18:39	1
2-Chlorophenol	ND	H	10	2.1	ug/L		04/30/17 08:06	05/03/17 18:39	1
2-Methylnaphthalene	ND	H	4.2	0.30	ug/L		04/30/17 08:06	05/03/17 18:39	1
2-Methylphenol	ND	H	10	1.0	ug/L		04/30/17 08:06	05/03/17 18:39	1
2-Nitroaniline	ND	H	10	1.8	ug/L		04/30/17 08:06	05/03/17 18:39	1
2-Nitrophenol	ND	H	10	0.41	ug/L		04/30/17 08:06	05/03/17 18:39	1
3 & 4 Methylphenol	ND	H	10	0.26	ug/L		04/30/17 08:06	05/03/17 18:39	1
3,3'-Dichlorobenzidine	ND	H	52	2.1	ug/L		04/30/17 08:06	05/03/17 18:39	1
3-Nitroaniline	ND	H	10	2.1	ug/L		04/30/17 08:06	05/03/17 18:39	1
4,6-Dinitro-2-methylphenol	ND	H	52	4.2	ug/L		04/30/17 08:06	05/03/17 18:39	1
4-Bromophenyl phenyl ether	ND	H	10	0.45	ug/L		04/30/17 08:06	05/03/17 18:39	1
4-Chloro-3-methylphenol	ND	H	10	2.5	ug/L		04/30/17 08:06	05/03/17 18:39	1
4-Chloroaniline	ND	H	10	2.2	ug/L		04/30/17 08:06	05/03/17 18:39	1
4-Chlorophenyl phenyl ether	ND	H	10	1.7	ug/L		04/30/17 08:06	05/03/17 18:39	1
4-Nitroaniline	ND	H	10	2.1	ug/L		04/30/17 08:06	05/03/17 18:39	1
4-Nitrophenol	ND	H	10	1.3	ug/L		04/30/17 08:06	05/03/17 18:39	1
Acenaphthene	ND	H	4.2	0.29	ug/L		04/30/17 08:06	05/03/17 18:39	1
Acenaphthylene	ND	H	4.2	0.51	ug/L		04/30/17 08:06	05/03/17 18:39	1
Acetophenone	ND	H	10	0.25	ug/L		04/30/17 08:06	05/03/17 18:39	1
Anthracene	ND	H	4.2	0.44	ug/L		04/30/17 08:06	05/03/17 18:39	1
Atrazine	ND	H	10	0.76	ug/L		04/30/17 08:06	05/03/17 18:39	1
Benzaldehyde	ND	H	10	2.1	ug/L		04/30/17 08:06	05/03/17 18:39	1
Benzo[a]anthracene	ND	H	4.2	0.37	ug/L		04/30/17 08:06	05/03/17 18:39	1
Benzo[a]pyrene	ND	H	4.2	0.32	ug/L		04/30/17 08:06	05/03/17 18:39	1
Benzo[b]fluoranthene	ND	H	4.2	0.56	ug/L		04/30/17 08:06	05/03/17 18:39	1
Benzo[g,h,i]perylene	ND	H	4.2	0.52	ug/L		04/30/17 08:06	05/03/17 18:39	1
Benzo[k]fluoranthene	ND	H	4.2	0.48	ug/L		04/30/17 08:06	05/03/17 18:39	1
Bis(2-chloroethoxy)methane	ND	H	10	1.0	ug/L		04/30/17 08:06	05/03/17 18:39	1
Bis(2-chloroethyl)ether	ND	H	10	0.43	ug/L		04/30/17 08:06	05/03/17 18:39	1
Bis(2-ethylhexyl) phthalate	ND	H	10	0.59	ug/L		04/30/17 08:06	05/03/17 18:39	1
Butyl benzyl phthalate	ND	H	4.2	1.0	ug/L		04/30/17 08:06	05/03/17 18:39	1
Caprolactam	ND	H	10	5.2	ug/L		04/30/17 08:06	05/03/17 18:39	1
Carbazole	ND	H	4.2	0.45	ug/L		04/30/17 08:06	05/03/17 18:39	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: NA-EB-20170406 — **Lab Sample ID: 280-95601-1**
Date Collected: 04/06/17 09:00 — **Matrix: Water**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	ND	H	4.2	0.57	ug/L		04/30/17 08:06	05/03/17 18:39	1
Dibenz(a,h)anthracene	ND	H	4.2	0.53	ug/L		04/30/17 08:06	05/03/17 18:39	1
Dibenzofuran	ND	H	4.2	0.30	ug/L		04/30/17 08:06	05/03/17 18:39	1
Diethyl phthalate	ND	H	4.2	0.40	ug/L		04/30/17 08:06	05/03/17 18:39	1
Dimethyl phthalate	ND	H	4.2	0.22	ug/L		04/30/17 08:06	05/03/17 18:39	1
Di-n-butyl phthalate	ND	H	4.2	1.2	ug/L		04/30/17 08:06	05/03/17 18:39	1
Di-n-octyl phthalate	ND	H	4.2	0.37	ug/L		04/30/17 08:06	05/03/17 18:39	1
Fluoranthene	ND	H	4.2	0.21	ug/L		04/30/17 08:06	05/03/17 18:39	1
Fluorene	ND	H	4.2	0.32	ug/L		04/30/17 08:06	05/03/17 18:39	1
Hexachlorobenzene	ND	H	10	0.69	ug/L		04/30/17 08:06	05/03/17 18:39	1
Hexachlorobutadiene	ND	H	10	3.5	ug/L		04/30/17 08:06	05/03/17 18:39	1
Hexachlorocyclopentadiene	ND	H	52	10	ug/L		04/30/17 08:06	05/03/17 18:39	1
Hexachloroethane	ND	H	10	2.2	ug/L		04/30/17 08:06	05/03/17 18:39	1
Indeno[1,2,3-cd]pyrene	ND	H	4.2	0.68	ug/L		04/30/17 08:06	05/03/17 18:39	1
Isophorone	ND	H	10	0.22	ug/L		04/30/17 08:06	05/03/17 18:39	1
Naphthalene	ND	H	4.2	0.30	ug/L		04/30/17 08:06	05/03/17 18:39	1
Nitrobenzene	ND	H	10	0.85	ug/L		04/30/17 08:06	05/03/17 18:39	1
N-Nitrosodi-n-propylamine	ND	H	10	0.37	ug/L		04/30/17 08:06	05/03/17 18:39	1
n-Nitrosodiphenylamine(as diphenylamine)	ND	H	10	0.46	ug/L		04/30/17 08:06	05/03/17 18:39	1
Pentachlorophenol	ND	H	52	21	ug/L		04/30/17 08:06	05/03/17 18:39	1
Phenanthrene	ND	H	4.2	0.27	ug/L		04/30/17 08:06	05/03/17 18:39	1
Phenol	ND	H	10	2.1	ug/L		04/30/17 08:06	05/03/17 18:39	1
Pyrene	ND	H	10	0.39	ug/L		04/30/17 08:06	05/03/17 18:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*68*		*48 - 135*	*04/30/17 08:06*	*05/03/17 18:39*	*1*
2-Fluorobiphenyl	*68*		*48 - 135*	*04/30/17 08:06*	*05/03/17 18:39*	*1*
2-Fluorophenol	*68*		*41 - 135*	*04/30/17 08:06*	*05/03/17 18:39*	*1*
Nitrobenzene-d5	*68*		*42 - 135*	*04/30/17 08:06*	*05/03/17 18:39*	*1*
Phenol-d5	*66*		*46 - 135*	*04/30/17 08:06*	*05/03/17 18:39*	*1*
Terphenyl-d14	*85*		*20 - 135*	*04/30/17 08:06*	*05/03/17 18:39*	*1*

Client Sample ID: NA-SO-01-00-01 — **Lab Sample ID: 280-95601-2**
Date Collected: 04/06/17 08:25 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND	H	320	48	ug/Kg		05/02/17 14:16	05/05/17 19:28	1
1,2,4,5-Tetrachlorobenzene	ND	H	320	47	ug/Kg		05/02/17 14:16	05/05/17 19:28	1
1,2,4-Trichlorobenzene	ND	H	320	27	ug/Kg		05/02/17 14:16	05/05/17 19:28	1
1,2-Dichlorobenzene	ND	H	320	21	ug/Kg		05/02/17 14:16	05/05/17 19:28	1
1,3-Dichlorobenzene	ND	H	320	12	ug/Kg		05/02/17 14:16	05/05/17 19:28	1
1,4-Dichlorobenzene	ND	H	320	13	ug/Kg		05/02/17 14:16	05/05/17 19:28	1
1,4-Dioxane	ND	H	630	63	ug/Kg		05/02/17 14:16	05/05/17 19:28	1
2,2'-oxybis[1-chloropropane]	ND	H	320	22	ug/Kg		05/02/17 14:16	05/05/17 19:28	1
2,3,4,6-Tetrachlorophenol	ND	H	1500	130	ug/Kg		05/02/17 14:16	05/05/17 19:28	1
2,4,5-Trichlorophenol	ND	H	320	9.6	ug/Kg		05/02/17 14:16	05/05/17 19:28	1
2,4,6-Trichlorophenol	ND	H	320	9.6	ug/Kg		05/02/17 14:16	05/05/17 19:28	1
2,4-Dichlorophenol	ND	H	320	9.6	ug/Kg		05/02/17 14:16	05/05/17 19:28	1
2,4-Dimethylphenol	ND	H	320	63	ug/Kg		05/02/17 14:16	05/05/17 19:28	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: NA-SO-01-00-01
Date Collected: 04/06/17 08:25
Date Received: 04/06/17 16:20

Lab Sample ID: 280-95601-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrophenol	ND	H	1500	320	ug/Kg		05/02/17 14:16	05/05/17 19:28	1
2,4-Dinitrotoluene	ND	H	320	63	ug/Kg		05/02/17 14:16	05/05/17 19:28	1
2,6-Dinitrotoluene	ND	H	320	27	ug/Kg		05/02/17 14:16	05/05/17 19:28	1
2-Chloronaphthalene	ND	H	320	9.6	ug/Kg		05/02/17 14:16	05/05/17 19:28	1
2-Chlorophenol	ND	H	320	20	ug/Kg		05/02/17 14:16	05/05/17 19:28	1
2-Methylnaphthalene	ND	H	320	18	ug/Kg		05/02/17 14:16	05/05/17 19:28	1
2-Methylphenol	ND	H	320	13	ug/Kg		05/02/17 14:16	05/05/17 19:28	1
2-Nitroaniline	ND	H	1500	48	ug/Kg		05/02/17 14:16	05/05/17 19:28	1
2-Nitrophenol	ND	H	320	9.6	ug/Kg		05/02/17 14:16	05/05/17 19:28	1
3 & 4 Methylphenol	ND	H	320	32	ug/Kg		05/02/17 14:16	05/05/17 19:28	1
3,3'-Dichlorobenzidine	ND	H	630	87	ug/Kg		05/02/17 14:16	05/05/17 19:28	1
3-Nitroaniline	ND	H	1500	70	ug/Kg		05/02/17 14:16	05/05/17 19:28	1
4,6-Dinitro-2-methylphenol	ND	H	1500	320	ug/Kg		05/02/17 14:16	05/05/17 19:28	1
4-Bromophenyl phenyl ether	ND	H	320	18	ug/Kg		05/02/17 14:16	05/05/17 19:28	1
4-Chloro-3-methylphenol	ND	H	320	63	ug/Kg		05/02/17 14:16	05/05/17 19:28	1
4-Chloroaniline	ND	H	320	79	ug/Kg		05/02/17 14:16	05/05/17 19:28	1
4-Chlorophenyl phenyl ether	ND	H	320	20	ug/Kg		05/02/17 14:16	05/05/17 19:28	1
4-Nitroaniline	ND	H	1500	70	ug/Kg		05/02/17 14:16	05/05/17 19:28	1
4-Nitrophenol	ND	H	1500	93	ug/Kg		05/02/17 14:16	05/05/17 19:28	1
Acenaphthene	ND	H	320	9.9	ug/Kg		05/02/17 14:16	05/05/17 19:28	1
Acenaphthylene	ND	H	320	16	ug/Kg		05/02/17 14:16	05/05/17 19:28	1
Acetophenone	ND	H	320	19	ug/Kg		05/02/17 14:16	05/05/17 19:28	1
Anthracene	ND	H	320	16	ug/Kg		05/02/17 14:16	05/05/17 19:28	1
Atrazine	ND	H	320	36	ug/Kg		05/02/17 14:16	05/05/17 19:28	1
Benzaldehyde	ND	H	320	64	ug/Kg		05/02/17 14:16	05/05/17 19:28	1
Benzo[a]anthracene	**60**	**J H**	320	19	ug/Kg		05/02/17 14:16	05/05/17 19:28	1
Benzo[a]pyrene	**84**	**J H**	320	19	ug/Kg		05/02/17 14:16	05/05/17 19:28	1
Benzo[b]fluoranthene	**180**	**J H**	320	25	ug/Kg		05/02/17 14:16	05/05/17 19:28	1
Benzo[g,h,i]perylene	**94**	**J H**	320	15	ug/Kg		05/02/17 14:16	05/05/17 19:28	1
Benzo[k]fluoranthene	**53**	**J H**	320	38	ug/Kg		05/02/17 14:16	05/05/17 19:28	1
Bis(2-chloroethoxy)methane	ND	H	320	22	ug/Kg		05/02/17 14:16	05/05/17 19:28	1
Bis(2-chloroethyl)ether	ND	H	320	16	ug/Kg		05/02/17 14:16	05/05/17 19:28	1
Bis(2-ethylhexyl) phthalate	ND	H	320	44	ug/Kg		05/02/17 14:16	05/05/17 19:28	1
Butyl benzyl phthalate	ND	H	320	41	ug/Kg		05/02/17 14:16	05/05/17 19:28	1
Caprolactam	ND	H	1500	100	ug/Kg		05/02/17 14:16	05/05/17 19:28	1
Carbazole	ND	H	320	35	ug/Kg		05/02/17 14:16	05/05/17 19:28	1
Chrysene	**110**	**J H**	320	26	ug/Kg		05/02/17 14:16	05/05/17 19:28	1
Dibenz(a,h)anthracene	ND	H	320	18	ug/Kg		05/02/17 14:16	05/05/17 19:28	1
Dibenzofuran	ND	H	320	19	ug/Kg		05/02/17 14:16	05/05/17 19:28	1
Diethyl phthalate	ND	H	630	25	ug/Kg		05/02/17 14:16	05/05/17 19:28	1
Dimethyl phthalate	ND	H	320	22	ug/Kg		05/02/17 14:16	05/05/17 19:28	1
Di-n-butyl phthalate	ND	H	320	28	ug/Kg		05/02/17 14:16	05/05/17 19:28	1
Di-n-octyl phthalate	ND	H	320	14	ug/Kg		05/02/17 14:16	05/05/17 19:28	1
Fluoranthene	**150**	**J H**	320	35	ug/Kg		05/02/17 14:16	05/05/17 19:28	1
Fluorene	ND	H	320	17	ug/Kg		05/02/17 14:16	05/05/17 19:28	1
Hexachlorobenzene	ND	H	320	28	ug/Kg		05/02/17 14:16	05/05/17 19:28	1
Hexachlorobutadiene	ND	H	320	9.6	ug/Kg		05/02/17 14:16	05/05/17 19:28	1
Hexachlorocyclopentadiene	ND	H	1500	48	ug/Kg		05/02/17 14:16	05/05/17 19:28	1
Hexachloroethane	ND	H	320	20	ug/Kg		05/02/17 14:16	05/05/17 19:28	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: NA-SO-01-00-01 — **Lab Sample ID: 280-95601-2**
Date Collected: 04/06/17 08:25 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**92**	**J H**	320	21	ug/Kg		05/02/17 14:16	05/05/17 19:28	1
Isophorone	ND	H	320	16	ug/Kg		05/02/17 14:16	05/05/17 19:28	1
Naphthalene	ND	H	320	30	ug/Kg		05/02/17 14:16	05/05/17 19:28	1
Nitrobenzene	ND	H	320	21	ug/Kg		05/02/17 14:16	05/05/17 19:28	1
N-Nitrosodi-n-propylamine	ND	H	320	30	ug/Kg		05/02/17 14:16	05/05/17 19:28	1
n-Nitrosodiphenylamine(as diphenylamine)	ND	H	320	20	ug/Kg		05/02/17 14:16	05/05/17 19:28	1
Pentachlorophenol	ND	H	1500	320	ug/Kg		05/02/17 14:16	05/05/17 19:28	1
Phenanthrene	**36**	**J H**	320	16	ug/Kg		05/02/17 14:16	05/05/17 19:28	1
Phenol	ND	H	320	17	ug/Kg		05/02/17 14:16	05/05/17 19:28	1
Pyrene	**130**	**J H**	320	12	ug/Kg		05/02/17 14:16	05/05/17 19:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*90*		*24 - 135*	*05/02/17 14:16*	*05/05/17 19:28*	*1*
2-Fluorobiphenyl	*74*		*33 - 135*	*05/02/17 14:16*	*05/05/17 19:28*	*1*
2-Fluorophenol	*77*		*39 - 135*	*05/02/17 14:16*	*05/05/17 19:28*	*1*
Nitrobenzene-d5	*73*		*32 - 135*	*05/02/17 14:16*	*05/05/17 19:28*	*1*
Phenol-d5	*77*		*39 - 135*	*05/02/17 14:16*	*05/05/17 19:28*	*1*
Terphenyl-d14	*89*		*30 - 135*	*05/02/17 14:16*	*05/05/17 19:28*	*1*

Client Sample ID: NA-SO-01-01-09 — **Lab Sample ID: 280-95601-3**
Date Collected: 04/06/17 09:43 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND	H	310	47	ug/Kg		05/02/17 14:16	05/05/17 19:55	1
1,2,4,5-Tetrachlorobenzene	ND	H	310	46	ug/Kg		05/02/17 14:16	05/05/17 19:55	1
1,2,4-Trichlorobenzene	ND	H	310	26	ug/Kg		05/02/17 14:16	05/05/17 19:55	1
1,2-Dichlorobenzene	ND	H	310	21	ug/Kg		05/02/17 14:16	05/05/17 19:55	1
1,3-Dichlorobenzene	ND	H	310	11	ug/Kg		05/02/17 14:16	05/05/17 19:55	1
1,4-Dichlorobenzene	ND	H	310	13	ug/Kg		05/02/17 14:16	05/05/17 19:55	1
1,4-Dioxane	ND	H	620	62	ug/Kg		05/02/17 14:16	05/05/17 19:55	1
2,2'-oxybis[1-chloropropane]	ND	H	310	22	ug/Kg		05/02/17 14:16	05/05/17 19:55	1
2,3,4,6-Tetrachlorophenol	ND	H	1500	130	ug/Kg		05/02/17 14:16	05/05/17 19:55	1
2,4,5-Trichlorophenol	ND	H	310	9.5	ug/Kg		05/02/17 14:16	05/05/17 19:55	1
2,4,6-Trichlorophenol	ND	H	310	9.5	ug/Kg		05/02/17 14:16	05/05/17 19:55	1
2,4-Dichlorophenol	ND	H	310	9.5	ug/Kg		05/02/17 14:16	05/05/17 19:55	1
2,4-Dimethylphenol	ND	H	310	62	ug/Kg		05/02/17 14:16	05/05/17 19:55	1
2,4-Dinitrophenol	ND	H	1500	320	ug/Kg		05/02/17 14:16	05/05/17 19:55	1
2,4-Dinitrotoluene	ND	H	310	62	ug/Kg		05/02/17 14:16	05/05/17 19:55	1
2,6-Dinitrotoluene	ND	H	310	26	ug/Kg		05/02/17 14:16	05/05/17 19:55	1
2-Chloronaphthalene	ND	H	310	9.5	ug/Kg		05/02/17 14:16	05/05/17 19:55	1
2-Chlorophenol	ND	H	310	20	ug/Kg		05/02/17 14:16	05/05/17 19:55	1
2-Methylnaphthalene	ND	H	310	18	ug/Kg		05/02/17 14:16	05/05/17 19:55	1
2-Methylphenol	ND	H	310	12	ug/Kg		05/02/17 14:16	05/05/17 19:55	1
2-Nitroaniline	ND	H	1500	47	ug/Kg		05/02/17 14:16	05/05/17 19:55	1
2-Nitrophenol	ND	H	310	9.5	ug/Kg		05/02/17 14:16	05/05/17 19:55	1
3 & 4 Methylphenol	ND	H	310	31	ug/Kg		05/02/17 14:16	05/05/17 19:55	1
3,3'-Dichlorobenzidine	ND	H	620	85	ug/Kg		05/02/17 14:16	05/05/17 19:55	1
3-Nitroaniline	ND	H	1500	69	ug/Kg		05/02/17 14:16	05/05/17 19:55	1
4,6-Dinitro-2-methylphenol	ND	H	1500	310	ug/Kg		05/02/17 14:16	05/05/17 19:55	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: NA-SO-01-01-09
Date Collected: 04/06/17 09:43
Date Received: 04/06/17 16:20

Lab Sample ID: 280-95601-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	ND	H	310	18	ug/Kg		05/02/17 14:16	05/05/17 19:55	1
4-Chloro-3-methylphenol	ND	H	310	62	ug/Kg		05/02/17 14:16	05/05/17 19:55	1
4-Chloroaniline	ND	H	310	78	ug/Kg		05/02/17 14:16	05/05/17 19:55	1
4-Chlorophenyl phenyl ether	ND	H	310	20	ug/Kg		05/02/17 14:16	05/05/17 19:55	1
4-Nitroaniline	ND	H	1500	69	ug/Kg		05/02/17 14:16	05/05/17 19:55	1
4-Nitrophenol	ND	H	1500	92	ug/Kg		05/02/17 14:16	05/05/17 19:55	1
Acenaphthene	ND	H	310	9.7	ug/Kg		05/02/17 14:16	05/05/17 19:55	1
Acenaphthylene	ND	H	310	16	ug/Kg		05/02/17 14:16	05/05/17 19:55	1
Acetophenone	ND	H	310	19	ug/Kg		05/02/17 14:16	05/05/17 19:55	1
Anthracene	ND	H	310	16	ug/Kg		05/02/17 14:16	05/05/17 19:55	1
Atrazine	ND	H	310	35	ug/Kg		05/02/17 14:16	05/05/17 19:55	1
Benzaldehyde	ND	H	310	63	ug/Kg		05/02/17 14:16	05/05/17 19:55	1
Benzo[a]anthracene	**44**	**J H**	310	19	ug/Kg		05/02/17 14:16	05/05/17 19:55	1
Benzo[a]pyrene	**57**	**J H**	310	19	ug/Kg		05/02/17 14:16	05/05/17 19:55	1
Benzo[b]fluoranthene	**100**	**J H**	310	25	ug/Kg		05/02/17 14:16	05/05/17 19:55	1
Benzo[g,h,i]perylene	**58**	**J H**	310	15	ug/Kg		05/02/17 14:16	05/05/17 19:55	1
Benzo[k]fluoranthene	ND	H	310	38	ug/Kg		05/02/17 14:16	05/05/17 19:55	1
Bis(2-chloroethoxy)methane	ND	H	310	22	ug/Kg		05/02/17 14:16	05/05/17 19:55	1
Bis(2-chloroethyl)ether	ND	H	310	16	ug/Kg		05/02/17 14:16	05/05/17 19:55	1
Bis(2-ethylhexyl) phthalate	ND	H	310	44	ug/Kg		05/02/17 14:16	05/05/17 19:55	1
Butyl benzyl phthalate	ND	H	310	41	ug/Kg		05/02/17 14:16	05/05/17 19:55	1
Caprolactam	ND	H	1500	100	ug/Kg		05/02/17 14:16	05/05/17 19:55	1
Carbazole	ND	H	310	34	ug/Kg		05/02/17 14:16	05/05/17 19:55	1
Chrysene	**66**	**J H**	310	26	ug/Kg		05/02/17 14:16	05/05/17 19:55	1
Dibenz(a,h)anthracene	ND	H	310	18	ug/Kg		05/02/17 14:16	05/05/17 19:55	1
Dibenzofuran	ND	H	310	19	ug/Kg		05/02/17 14:16	05/05/17 19:55	1
Diethyl phthalate	ND	H	620	25	ug/Kg		05/02/17 14:16	05/05/17 19:55	1
Dimethyl phthalate	ND	H	310	22	ug/Kg		05/02/17 14:16	05/05/17 19:55	1
Di-n-butyl phthalate	ND	H	310	27	ug/Kg		05/02/17 14:16	05/05/17 19:55	1
Di-n-octyl phthalate	ND	H	310	14	ug/Kg		05/02/17 14:16	05/05/17 19:55	1
Fluoranthene	**84**	**J H**	310	34	ug/Kg		05/02/17 14:16	05/05/17 19:55	1
Fluorene	ND	H	310	17	ug/Kg		05/02/17 14:16	05/05/17 19:55	1
Hexachlorobenzene	ND	H	310	27	ug/Kg		05/02/17 14:16	05/05/17 19:55	1
Hexachlorobutadiene	ND	H	310	9.5	ug/Kg		05/02/17 14:16	05/05/17 19:55	1
Hexachlorocyclopentadiene	ND	H	1500	47	ug/Kg		05/02/17 14:16	05/05/17 19:55	1
Hexachloroethane	ND	H	310	20	ug/Kg		05/02/17 14:16	05/05/17 19:55	1
Indeno[1,2,3-cd]pyrene	**55**	**J H**	310	21	ug/Kg		05/02/17 14:16	05/05/17 19:55	1
Isophorone	ND	H	310	16	ug/Kg		05/02/17 14:16	05/05/17 19:55	1
Naphthalene	ND	H	310	29	ug/Kg		05/02/17 14:16	05/05/17 19:55	1
Nitrobenzene	ND	H	310	21	ug/Kg		05/02/17 14:16	05/05/17 19:55	1
N-Nitrosodi-n-propylamine	ND	H	310	29	ug/Kg		05/02/17 14:16	05/05/17 19:55	1
n-Nitrosodiphenylamine(as diphenylamine)	ND	H	310	20	ug/Kg		05/02/17 14:16	05/05/17 19:55	1
Pentachlorophenol	ND	H	1500	310	ug/Kg		05/02/17 14:16	05/05/17 19:55	1
Phenanthrene	**17**	**J H**	310	16	ug/Kg		05/02/17 14:16	05/05/17 19:55	1
Phenol	ND	H	310	17	ug/Kg		05/02/17 14:16	05/05/17 19:55	1
Pyrene	**74**	**J H**	310	11	ug/Kg		05/02/17 14:16	05/05/17 19:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*80*		*24 - 135*	*05/02/17 14:16*	*05/05/17 19:55*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: NA-SO-01-01-09
Date Collected: 04/06/17 09:43
Date Received: 04/06/17 16:20

Lab Sample ID: 280-95601-3
Matrix: Solid

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*33 - 135*	*05/02/17 14:16*	*05/05/17 19:55*	*1*
2-Fluorophenol	*73*		*39 - 135*	*05/02/17 14:16*	*05/05/17 19:55*	*1*
Nitrobenzene-d5	*70*		*32 - 135*	*05/02/17 14:16*	*05/05/17 19:55*	*1*
Phenol-d5	*72*		*39 - 135*	*05/02/17 14:16*	*05/05/17 19:55*	*1*
Terphenyl-d14	*77*		*30 - 135*	*05/02/17 14:16*	*05/05/17 19:55*	*1*

Client Sample ID: NA-SO-01-09-18
Date Collected: 04/06/17 09:50
Date Received: 04/06/17 16:20

Lab Sample ID: 280-95601-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND	H	320	48	ug/Kg		05/02/17 14:16	05/05/17 20:22	1
1,2,4,5-Tetrachlorobenzene	ND	H	320	47	ug/Kg		05/02/17 14:16	05/05/17 20:22	1
1,2,4-Trichlorobenzene	ND	H	320	27	ug/Kg		05/02/17 14:16	05/05/17 20:22	1
1,2-Dichlorobenzene	ND	H	320	21	ug/Kg		05/02/17 14:16	05/05/17 20:22	1
1,3-Dichlorobenzene	ND	H	320	12	ug/Kg		05/02/17 14:16	05/05/17 20:22	1
1,4-Dichlorobenzene	ND	H	320	13	ug/Kg		05/02/17 14:16	05/05/17 20:22	1
1,4-Dioxane	ND	H	630	63	ug/Kg		05/02/17 14:16	05/05/17 20:22	1
2,2'-oxybis[1-chloropropane]	ND	H	320	22	ug/Kg		05/02/17 14:16	05/05/17 20:22	1
2,3,4,6-Tetrachlorophenol	ND	H	1500	130	ug/Kg		05/02/17 14:16	05/05/17 20:22	1
2,4,5-Trichlorophenol	ND	H	320	9.6	ug/Kg		05/02/17 14:16	05/05/17 20:22	1
2,4,6-Trichlorophenol	ND	H	320	9.6	ug/Kg		05/02/17 14:16	05/05/17 20:22	1
2,4-Dichlorophenol	ND	H	320	9.6	ug/Kg		05/02/17 14:16	05/05/17 20:22	1
2,4-Dimethylphenol	ND	H	320	63	ug/Kg		05/02/17 14:16	05/05/17 20:22	1
2,4-Dinitrophenol	ND	H	1500	320	ug/Kg		05/02/17 14:16	05/05/17 20:22	1
2,4-Dinitrotoluene	ND	H	320	63	ug/Kg		05/02/17 14:16	05/05/17 20:22	1
2,6-Dinitrotoluene	ND	H	320	27	ug/Kg		05/02/17 14:16	05/05/17 20:22	1
2-Chloronaphthalene	ND	H	320	9.6	ug/Kg		05/02/17 14:16	05/05/17 20:22	1
2-Chlorophenol	ND	H	320	20	ug/Kg		05/02/17 14:16	05/05/17 20:22	1
2-Methylnaphthalene	ND	H	320	18	ug/Kg		05/02/17 14:16	05/05/17 20:22	1
2-Methylphenol	ND	H	320	12	ug/Kg		05/02/17 14:16	05/05/17 20:22	1
2-Nitroaniline	ND	H	1500	48	ug/Kg		05/02/17 14:16	05/05/17 20:22	1
2-Nitrophenol	ND	H	320	9.6	ug/Kg		05/02/17 14:16	05/05/17 20:22	1
3 & 4 Methylphenol	ND	H	320	32	ug/Kg		05/02/17 14:16	05/05/17 20:22	1
3,3'-Dichlorobenzidine	ND	H	630	86	ug/Kg		05/02/17 14:16	05/05/17 20:22	1
3-Nitroaniline	ND	H	1500	70	ug/Kg		05/02/17 14:16	05/05/17 20:22	1
4,6-Dinitro-2-methylphenol	ND	H	1500	320	ug/Kg		05/02/17 14:16	05/05/17 20:22	1
4-Bromophenyl phenyl ether	ND	H	320	18	ug/Kg		05/02/17 14:16	05/05/17 20:22	1
4-Chloro-3-methylphenol	ND	H	320	63	ug/Kg		05/02/17 14:16	05/05/17 20:22	1
4-Chloroaniline	ND	H	320	78	ug/Kg		05/02/17 14:16	05/05/17 20:22	1
4-Chlorophenyl phenyl ether	ND	H	320	20	ug/Kg		05/02/17 14:16	05/05/17 20:22	1
4-Nitroaniline	ND	H	1500	69	ug/Kg		05/02/17 14:16	05/05/17 20:22	1
4-Nitrophenol	ND	H	1500	93	ug/Kg		05/02/17 14:16	05/05/17 20:22	1
Acenaphthene	ND	H	320	9.9	ug/Kg		05/02/17 14:16	05/05/17 20:22	1
Acenaphthylene	ND	H	320	16	ug/Kg		05/02/17 14:16	05/05/17 20:22	1
Acetophenone	ND	H	320	19	ug/Kg		05/02/17 14:16	05/05/17 20:22	1
Anthracene	ND	H	320	16	ug/Kg		05/02/17 14:16	05/05/17 20:22	1
Atrazine	ND	H	320	35	ug/Kg		05/02/17 14:16	05/05/17 20:22	1
Benzaldehyde	ND	H	320	64	ug/Kg		05/02/17 14:16	05/05/17 20:22	1
Benzo[a]anthracene	ND	H	320	19	ug/Kg		05/02/17 14:16	05/05/17 20:22	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: NA-SO-01-09-18 — **Lab Sample ID: 280-95601-4**
Date Collected: 04/06/17 09:50 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	ND	H	320	19	ug/Kg		05/02/17 14:16	05/05/17 20:22	1
Benzo[b]fluoranthene	ND	H	320	25	ug/Kg		05/02/17 14:16	05/05/17 20:22	1
Benzo[g,h,i]perylene	ND	H	320	15	ug/Kg		05/02/17 14:16	05/05/17 20:22	1
Benzo[k]fluoranthene	ND	H	320	38	ug/Kg		05/02/17 14:16	05/05/17 20:22	1
Bis(2-chloroethoxy)methane	ND	H	320	22	ug/Kg		05/02/17 14:16	05/05/17 20:22	1
Bis(2-chloroethyl)ether	ND	H	320	16	ug/Kg		05/02/17 14:16	05/05/17 20:22	1
Bis(2-ethylhexyl) phthalate	ND	H	320	44	ug/Kg		05/02/17 14:16	05/05/17 20:22	1
Butyl benzyl phthalate	ND	H	320	41	ug/Kg		05/02/17 14:16	05/05/17 20:22	1
Caprolactam	ND	H	1500	100	ug/Kg		05/02/17 14:16	05/05/17 20:22	1
Carbazole	ND	H	320	35	ug/Kg		05/02/17 14:16	05/05/17 20:22	1
Chrysene	ND	H	320	26	ug/Kg		05/02/17 14:16	05/05/17 20:22	1
Dibenz(a,h)anthracene	ND	H	320	18	ug/Kg		05/02/17 14:16	05/05/17 20:22	1
Dibenzofuran	ND	H	320	19	ug/Kg		05/02/17 14:16	05/05/17 20:22	1
Diethyl phthalate	ND	H	630	25	ug/Kg		05/02/17 14:16	05/05/17 20:22	1
Dimethyl phthalate	ND	H	320	22	ug/Kg		05/02/17 14:16	05/05/17 20:22	1
Di-n-butyl phthalate	ND	H	320	28	ug/Kg		05/02/17 14:16	05/05/17 20:22	1
Di-n-octyl phthalate	ND	H	320	14	ug/Kg		05/02/17 14:16	05/05/17 20:22	1
Fluoranthene	ND	H	320	35	ug/Kg		05/02/17 14:16	05/05/17 20:22	1
Fluorene	ND	H	320	17	ug/Kg		05/02/17 14:16	05/05/17 20:22	1
Hexachlorobenzene	ND	H	320	28	ug/Kg		05/02/17 14:16	05/05/17 20:22	1
Hexachlorobutadiene	ND	H	320	9.6	ug/Kg		05/02/17 14:16	05/05/17 20:22	1
Hexachlorocyclopentadiene	ND	H	1500	48	ug/Kg		05/02/17 14:16	05/05/17 20:22	1
Hexachloroethane	ND	H	320	20	ug/Kg		05/02/17 14:16	05/05/17 20:22	1
Indeno[1,2,3-cd]pyrene	ND	H	320	21	ug/Kg		05/02/17 14:16	05/05/17 20:22	1
Isophorone	ND	H	320	16	ug/Kg		05/02/17 14:16	05/05/17 20:22	1
Naphthalene	ND	H	320	30	ug/Kg		05/02/17 14:16	05/05/17 20:22	1
Nitrobenzene	ND	H	320	21	ug/Kg		05/02/17 14:16	05/05/17 20:22	1
N-Nitrosodi-n-propylamine	ND	H	320	30	ug/Kg		05/02/17 14:16	05/05/17 20:22	1
n-Nitrosodiphenylamine(as diphenylamine)	ND	H	320	20	ug/Kg		05/02/17 14:16	05/05/17 20:22	1
Pentachlorophenol	ND	H	1500	320	ug/Kg		05/02/17 14:16	05/05/17 20:22	1
Phenanthrene	ND	H	320	16	ug/Kg		05/02/17 14:16	05/05/17 20:22	1
Phenol	ND	H	320	17	ug/Kg		05/02/17 14:16	05/05/17 20:22	1
Pyrene	ND	H	320	12	ug/Kg		05/02/17 14:16	05/05/17 20:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*77*		*24 - 135*	*05/02/17 14:16*	*05/05/17 20:22*	*1*
2-Fluorobiphenyl	*68*		*33 - 135*	*05/02/17 14:16*	*05/05/17 20:22*	*1*
2-Fluorophenol	*71*		*39 - 135*	*05/02/17 14:16*	*05/05/17 20:22*	*1*
Nitrobenzene-d5	*68*		*32 - 135*	*05/02/17 14:16*	*05/05/17 20:22*	*1*
Phenol-d5	*71*		*39 - 135*	*05/02/17 14:16*	*05/05/17 20:22*	*1*
Terphenyl-d14	*78*		*30 - 135*	*05/02/17 14:16*	*05/05/17 20:22*	*1*

Client Sample ID: NA-SO-02-00-01 — **Lab Sample ID: 280-95601-6**
Date Collected: 04/06/17 09:36 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND	H	310	46	ug/Kg		05/02/17 14:16	05/05/17 20:48	1
1,2,4,5-Tetrachlorobenzene	ND	H	310	46	ug/Kg		05/02/17 14:16	05/05/17 20:48	1
1,2,4-Trichlorobenzene	ND	H	310	26	ug/Kg		05/02/17 14:16	05/05/17 20:48	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: NA-SO-02-00-01
Date Collected: 04/06/17 09:36
Date Received: 04/06/17 16:20

Lab Sample ID: 280-95601-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND	H	310	20	ug/Kg		05/02/17 14:16	05/05/17 20:48	1
1,3-Dichlorobenzene	ND	H	310	11	ug/Kg		05/02/17 14:16	05/05/17 20:48	1
1,4-Dichlorobenzene	ND	H	310	13	ug/Kg		05/02/17 14:16	05/05/17 20:48	1
1,4-Dioxane	ND	H	610	61	ug/Kg		05/02/17 14:16	05/05/17 20:48	1
2,2'-oxybis[1-chloropropane]	ND	H	310	21	ug/Kg		05/02/17 14:16	05/05/17 20:48	1
2,3,4,6-Tetrachlorophenol	ND	H	1500	130	ug/Kg		05/02/17 14:16	05/05/17 20:48	1
2,4,5-Trichlorophenol	ND	H	310	9.3	ug/Kg		05/02/17 14:16	05/05/17 20:48	1
2,4,6-Trichlorophenol	ND	H	310	9.3	ug/Kg		05/02/17 14:16	05/05/17 20:48	1
2,4-Dichlorophenol	ND	H	310	9.3	ug/Kg		05/02/17 14:16	05/05/17 20:48	1
2,4-Dimethylphenol	ND	H	310	61	ug/Kg		05/02/17 14:16	05/05/17 20:48	1
2,4-Dinitrophenol	ND	H	1500	310	ug/Kg		05/02/17 14:16	05/05/17 20:48	1
2,4-Dinitrotoluene	ND	H	310	61	ug/Kg		05/02/17 14:16	05/05/17 20:48	1
2,6-Dinitrotoluene	ND	H	310	26	ug/Kg		05/02/17 14:16	05/05/17 20:48	1
2-Chloronaphthalene	ND	H	310	9.3	ug/Kg		05/02/17 14:16	05/05/17 20:48	1
2-Chlorophenol	ND	H	310	20	ug/Kg		05/02/17 14:16	05/05/17 20:48	1
2-Methylnaphthalene	ND	H	310	18	ug/Kg		05/02/17 14:16	05/05/17 20:48	1
2-Methylphenol	ND	H	310	12	ug/Kg		05/02/17 14:16	05/05/17 20:48	1
2-Nitroaniline	ND	H	1500	46	ug/Kg		05/02/17 14:16	05/05/17 20:48	1
2-Nitrophenol	ND	H	310	9.3	ug/Kg		05/02/17 14:16	05/05/17 20:48	1
3 & 4 Methylphenol	ND	H	310	31	ug/Kg		05/02/17 14:16	05/05/17 20:48	1
3,3'-Dichlorobenzidine	ND	H	610	84	ug/Kg		05/02/17 14:16	05/05/17 20:48	1
3-Nitroaniline	ND	H	1500	68	ug/Kg		05/02/17 14:16	05/05/17 20:48	1
4,6-Dinitro-2-methylphenol	ND	H	1500	310	ug/Kg		05/02/17 14:16	05/05/17 20:48	1
4-Bromophenyl phenyl ether	ND	H	310	18	ug/Kg		05/02/17 14:16	05/05/17 20:48	1
4-Chloro-3-methylphenol	ND	H	310	61	ug/Kg		05/02/17 14:16	05/05/17 20:48	1
4-Chloroaniline	ND	H	310	76	ug/Kg		05/02/17 14:16	05/05/17 20:48	1
4-Chlorophenyl phenyl ether	ND	H	310	20	ug/Kg		05/02/17 14:16	05/05/17 20:48	1
4-Nitroaniline	ND	H	1500	67	ug/Kg		05/02/17 14:16	05/05/17 20:48	1
4-Nitrophenol	ND	H	1500	90	ug/Kg		05/02/17 14:16	05/05/17 20:48	1
Acenaphthene	ND	H	310	9.6	ug/Kg		05/02/17 14:16	05/05/17 20:48	1
Acenaphthylene	ND	H	310	16	ug/Kg		05/02/17 14:16	05/05/17 20:48	1
Acetophenone	ND	H	310	19	ug/Kg		05/02/17 14:16	05/05/17 20:48	1
Anthracene	ND	H	310	16	ug/Kg		05/02/17 14:16	05/05/17 20:48	1
Atrazine	ND	H	310	34	ug/Kg		05/02/17 14:16	05/05/17 20:48	1
Benzaldehyde	ND	H	310	62	ug/Kg		05/02/17 14:16	05/05/17 20:48	1
Benzo[a]anthracene	**120**	**J H**	310	19	ug/Kg		05/02/17 14:16	05/05/17 20:48	1
Benzo[a]pyrene	**180**	**J H**	310	19	ug/Kg		05/02/17 14:16	05/05/17 20:48	1
Benzo[b]fluoranthene	**310**	**H**	310	24	ug/Kg		05/02/17 14:16	05/05/17 20:48	1
Benzo[g,h,i]perylene	**160**	**J H**	310	15	ug/Kg		05/02/17 14:16	05/05/17 20:48	1
Benzo[k]fluoranthene	**110**	**J H**	310	37	ug/Kg		05/02/17 14:16	05/05/17 20:48	1
Bis(2-chloroethoxy)methane	ND	H	310	21	ug/Kg		05/02/17 14:16	05/05/17 20:48	1
Bis(2-chloroethyl)ether	ND	H	310	15	ug/Kg		05/02/17 14:16	05/05/17 20:48	1
Bis(2-ethylhexyl) phthalate	**500**	**H**	310	43	ug/Kg		05/02/17 14:16	05/05/17 20:48	1
Butyl benzyl phthalate	ND	H	310	40	ug/Kg		05/02/17 14:16	05/05/17 20:48	1
Caprolactam	ND	H	1500	98	ug/Kg		05/02/17 14:16	05/05/17 20:48	1
Carbazole	ND	H	310	33	ug/Kg		05/02/17 14:16	05/05/17 20:48	1
Chrysene	**210**	**J H**	310	25	ug/Kg		05/02/17 14:16	05/05/17 20:48	1
Dibenz(a,h)anthracene	**32**	**J H**	310	18	ug/Kg		05/02/17 14:16	05/05/17 20:48	1
Dibenzofuran	ND	H	310	19	ug/Kg		05/02/17 14:16	05/05/17 20:48	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: NA-SO-02-00-01 — **Lab Sample ID: 280-95601-6**
Date Collected: 04/06/17 09:36 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	ND	H	610	24	ug/Kg		05/02/17 14:16	05/05/17 20:48	1
Dimethyl phthalate	ND	H	310	21	ug/Kg		05/02/17 14:16	05/05/17 20:48	1
Di-n-butyl phthalate	ND	H	310	27	ug/Kg		05/02/17 14:16	05/05/17 20:48	1
Di-n-octyl phthalate	ND	H	310	13	ug/Kg		05/02/17 14:16	05/05/17 20:48	1
Fluoranthene	**280**	**J H**	310	33	ug/Kg		05/02/17 14:16	05/05/17 20:48	1
Fluorene	ND	H	310	17	ug/Kg		05/02/17 14:16	05/05/17 20:48	1
Hexachlorobenzene	ND	H	310	27	ug/Kg		05/02/17 14:16	05/05/17 20:48	1
Hexachlorobutadiene	ND	H	310	9.3	ug/Kg		05/02/17 14:16	05/05/17 20:48	1
Hexachlorocyclopentadiene	ND	H	1500	46	ug/Kg		05/02/17 14:16	05/05/17 20:48	1
Hexachloroethane	ND	H	310	20	ug/Kg		05/02/17 14:16	05/05/17 20:48	1
Indeno[1,2,3-cd]pyrene	**190**	**J H**	310	20	ug/Kg		05/02/17 14:16	05/05/17 20:48	1
Isophorone	ND	H	310	16	ug/Kg		05/02/17 14:16	05/05/17 20:48	1
Naphthalene	ND	H	310	29	ug/Kg		05/02/17 14:16	05/05/17 20:48	1
Nitrobenzene	ND	H	310	20	ug/Kg		05/02/17 14:16	05/05/17 20:48	1
N-Nitrosodi-n-propylamine	ND	H	310	29	ug/Kg		05/02/17 14:16	05/05/17 20:48	1
n-Nitrosodiphenylamine(as diphenylamine)	ND	H	310	20	ug/Kg		05/02/17 14:16	05/05/17 20:48	1
Pentachlorophenol	ND	H	1500	310	ug/Kg		05/02/17 14:16	05/05/17 20:48	1
Phenanthrene	**62**	**J H**	310	16	ug/Kg		05/02/17 14:16	05/05/17 20:48	1
Phenol	ND	H	310	17	ug/Kg		05/02/17 14:16	05/05/17 20:48	1
Pyrene	**220**	**J H**	310	11	ug/Kg		05/02/17 14:16	05/05/17 20:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*81*		*24 - 135*	*05/02/17 14:16*	*05/05/17 20:48*	*1*
2-Fluorobiphenyl	*63*		*33 - 135*	*05/02/17 14:16*	*05/05/17 20:48*	*1*
2-Fluorophenol	*67*		*39 - 135*	*05/02/17 14:16*	*05/05/17 20:48*	*1*
Nitrobenzene-d5	*62*		*32 - 135*	*05/02/17 14:16*	*05/05/17 20:48*	*1*
Phenol-d5	*68*		*39 - 135*	*05/02/17 14:16*	*05/05/17 20:48*	*1*
Terphenyl-d14	*76*		*30 - 135*	*05/02/17 14:16*	*05/05/17 20:48*	*1*

Client Sample ID: NA-SO-02-01-09 — **Lab Sample ID: 280-95601-7**
Date Collected: 04/06/17 09:36 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND	H	320	48	ug/Kg		05/02/17 14:16	05/05/17 21:15	1
1,2,4,5-Tetrachlorobenzene	ND	H	320	47	ug/Kg		05/02/17 14:16	05/05/17 21:15	1
1,2,4-Trichlorobenzene	ND	H	320	27	ug/Kg		05/02/17 14:16	05/05/17 21:15	1
1,2-Dichlorobenzene	ND	H	320	21	ug/Kg		05/02/17 14:16	05/05/17 21:15	1
1,3-Dichlorobenzene	ND	H	320	12	ug/Kg		05/02/17 14:16	05/05/17 21:15	1
1,4-Dichlorobenzene	ND	H	320	13	ug/Kg		05/02/17 14:16	05/05/17 21:15	1
1,4-Dioxane	ND	H	640	64	ug/Kg		05/02/17 14:16	05/05/17 21:15	1
2,2'-oxybis[1-chloropropane]	ND	H	320	22	ug/Kg		05/02/17 14:16	05/05/17 21:15	1
2,3,4,6-Tetrachlorophenol	ND	H	1500	130	ug/Kg		05/02/17 14:16	05/05/17 21:15	1
2,4,5-Trichlorophenol	ND	H	320	9.7	ug/Kg		05/02/17 14:16	05/05/17 21:15	1
2,4,6-Trichlorophenol	ND	H	320	9.7	ug/Kg		05/02/17 14:16	05/05/17 21:15	1
2,4-Dichlorophenol	ND	H	320	9.7	ug/Kg		05/02/17 14:16	05/05/17 21:15	1
2,4-Dimethylphenol	ND	H	320	64	ug/Kg		05/02/17 14:16	05/05/17 21:15	1
2,4-Dinitrophenol	ND	H	1500	320	ug/Kg		05/02/17 14:16	05/05/17 21:15	1
2,4-Dinitrotoluene	ND	H	320	64	ug/Kg		05/02/17 14:16	05/05/17 21:15	1
2,6-Dinitrotoluene	ND	H	320	27	ug/Kg		05/02/17 14:16	05/05/17 21:15	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: NA-SO-02-01-09
Date Collected: 04/06/17 09:36
Date Received: 04/06/17 16:20

Lab Sample ID: 280-95601-7
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chloronaphthalene	ND	H	320	9.7	ug/Kg		05/02/17 14:16	05/05/17 21:15	1
2-Chlorophenol	ND	H	320	20	ug/Kg		05/02/17 14:16	05/05/17 21:15	1
2-Methylnaphthalene	ND	H	320	18	ug/Kg		05/02/17 14:16	05/05/17 21:15	1
2-Methylphenol	ND	H	320	13	ug/Kg		05/02/17 14:16	05/05/17 21:15	1
2-Nitroaniline	ND	H	1500	48	ug/Kg		05/02/17 14:16	05/05/17 21:15	1
2-Nitrophenol	ND	H	320	9.7	ug/Kg		05/02/17 14:16	05/05/17 21:15	1
3 & 4 Methylphenol	ND	H	320	32	ug/Kg		05/02/17 14:16	05/05/17 21:15	1
3,3'-Dichlorobenzidine	ND	H	640	87	ug/Kg		05/02/17 14:16	05/05/17 21:15	1
3-Nitroaniline	ND	H	1500	71	ug/Kg		05/02/17 14:16	05/05/17 21:15	1
4,6-Dinitro-2-methylphenol	ND	H	1500	320	ug/Kg		05/02/17 14:16	05/05/17 21:15	1
4-Bromophenyl phenyl ether	ND	H	320	18	ug/Kg		05/02/17 14:16	05/05/17 21:15	1
4-Chloro-3-methylphenol	ND	H	320	64	ug/Kg		05/02/17 14:16	05/05/17 21:15	1
4-Chloroaniline	ND	H	320	79	ug/Kg		05/02/17 14:16	05/05/17 21:15	1
4-Chlorophenyl phenyl ether	ND	H	320	20	ug/Kg		05/02/17 14:16	05/05/17 21:15	1
4-Nitroaniline	ND	H	1500	70	ug/Kg		05/02/17 14:16	05/05/17 21:15	1
4-Nitrophenol	ND	H	1500	94	ug/Kg		05/02/17 14:16	05/05/17 21:15	1
Acenaphthene	ND	H	320	10	ug/Kg		05/02/17 14:16	05/05/17 21:15	1
Acenaphthylene	ND	H	320	16	ug/Kg		05/02/17 14:16	05/05/17 21:15	1
Acetophenone	ND	H	320	19	ug/Kg		05/02/17 14:16	05/05/17 21:15	1
Anthracene	ND	H	320	16	ug/Kg		05/02/17 14:16	05/05/17 21:15	1
Atrazine	ND	H	320	36	ug/Kg		05/02/17 14:16	05/05/17 21:15	1
Benzaldehyde	ND	H	320	65	ug/Kg		05/02/17 14:16	05/05/17 21:15	1
Benzo[a]anthracene	ND	H	320	19	ug/Kg		05/02/17 14:16	05/05/17 21:15	1
Benzo[a]pyrene	**22**	**J H**	320	19	ug/Kg		05/02/17 14:16	05/05/17 21:15	1
Benzo[b]fluoranthene	**42**	**J H**	320	25	ug/Kg		05/02/17 14:16	05/05/17 21:15	1
Benzo[g,h,i]perylene	**24**	**J H**	320	15	ug/Kg		05/02/17 14:16	05/05/17 21:15	1
Benzo[k]fluoranthene	ND	H	320	39	ug/Kg		05/02/17 14:16	05/05/17 21:15	1
Bis(2-chloroethoxy)methane	ND	H	320	22	ug/Kg		05/02/17 14:16	05/05/17 21:15	1
Bis(2-chloroethyl)ether	ND	H	320	16	ug/Kg		05/02/17 14:16	05/05/17 21:15	1
Bis(2-ethylhexyl) phthalate	ND	H	320	45	ug/Kg		05/02/17 14:16	05/05/17 21:15	1
Butyl benzyl phthalate	ND	H	320	42	ug/Kg		05/02/17 14:16	05/05/17 21:15	1
Caprolactam	ND	H	1500	100	ug/Kg		05/02/17 14:16	05/05/17 21:15	1
Carbazole	ND	H	320	35	ug/Kg		05/02/17 14:16	05/05/17 21:15	1
Chrysene	**26**	**J H**	320	26	ug/Kg		05/02/17 14:16	05/05/17 21:15	1
Dibenz(a,h)anthracene	ND	H	320	18	ug/Kg		05/02/17 14:16	05/05/17 21:15	1
Dibenzofuran	ND	H	320	19	ug/Kg		05/02/17 14:16	05/05/17 21:15	1
Diethyl phthalate	ND	H	640	25	ug/Kg		05/02/17 14:16	05/05/17 21:15	1
Dimethyl phthalate	ND	H	320	22	ug/Kg		05/02/17 14:16	05/05/17 21:15	1
Di-n-butyl phthalate	ND	H	320	28	ug/Kg		05/02/17 14:16	05/05/17 21:15	1
Di-n-octyl phthalate	ND	H	320	14	ug/Kg		05/02/17 14:16	05/05/17 21:15	1
Fluoranthene	**37**	**J H**	320	35	ug/Kg		05/02/17 14:16	05/05/17 21:15	1
Fluorene	ND	H	320	17	ug/Kg		05/02/17 14:16	05/05/17 21:15	1
Hexachlorobenzene	ND	H	320	28	ug/Kg		05/02/17 14:16	05/05/17 21:15	1
Hexachlorobutadiene	ND	H	320	9.7	ug/Kg		05/02/17 14:16	05/05/17 21:15	1
Hexachlorocyclopentadiene	ND	H	1500	48	ug/Kg		05/02/17 14:16	05/05/17 21:15	1
Hexachloroethane	ND	H	320	21	ug/Kg		05/02/17 14:16	05/05/17 21:15	1
Indeno[1,2,3-cd]pyrene	**24**	**J H**	320	21	ug/Kg		05/02/17 14:16	05/05/17 21:15	1
Isophorone	ND	H	320	16	ug/Kg		05/02/17 14:16	05/05/17 21:15	1
Naphthalene	ND	H	320	30	ug/Kg		05/02/17 14:16	05/05/17 21:15	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: NA-SO-02-01-09 — **Lab Sample ID: 280-95601-7**
Date Collected: 04/06/17 09:36 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND	H	320	21	ug/Kg		05/02/17 14:16	05/05/17 21:15	1
N-Nitrosodi-n-propylamine	ND	H	320	30	ug/Kg		05/02/17 14:16	05/05/17 21:15	1
n-Nitrosodiphenylamine(as diphenylamine)	ND	H	320	20	ug/Kg		05/02/17 14:16	05/05/17 21:15	1
Pentachlorophenol	ND	H	1500	320	ug/Kg		05/02/17 14:16	05/05/17 21:15	1
Phenanthrene	ND	H	320	16	ug/Kg		05/02/17 14:16	05/05/17 21:15	1
Phenol	ND	H	320	17	ug/Kg		05/02/17 14:16	05/05/17 21:15	1
Pyrene	**31**	**J H**	320	12	ug/Kg		05/02/17 14:16	05/05/17 21:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*79*		*24 - 135*	*05/02/17 14:16*	*05/05/17 21:15*	*1*
2-Fluorobiphenyl	*68*		*33 - 135*	*05/02/17 14:16*	*05/05/17 21:15*	*1*
2-Fluorophenol	*73*		*39 - 135*	*05/02/17 14:16*	*05/05/17 21:15*	*1*
Nitrobenzene-d5	*68*		*32 - 135*	*05/02/17 14:16*	*05/05/17 21:15*	*1*
Phenol-d5	*74*		*39 - 135*	*05/02/17 14:16*	*05/05/17 21:15*	*1*
Terphenyl-d14	*76*		*30 - 135*	*05/02/17 14:16*	*05/05/17 21:15*	*1*

Client Sample ID: NA-SO-02-09-18 — **Lab Sample ID: 280-95601-8**
Date Collected: 04/06/17 09:48 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND	H	320	49	ug/Kg		05/02/17 14:16	05/05/17 22:35	1
1,2,4,5-Tetrachlorobenzene	ND	H	320	48	ug/Kg		05/02/17 14:16	05/05/17 22:35	1
1,2,4-Trichlorobenzene	ND	H	320	27	ug/Kg		05/02/17 14:16	05/05/17 22:35	1
1,2-Dichlorobenzene	ND	H	320	21	ug/Kg		05/02/17 14:16	05/05/17 22:35	1
1,3-Dichlorobenzene	ND	H	320	12	ug/Kg		05/02/17 14:16	05/05/17 22:35	1
1,4-Dichlorobenzene	ND	H	320	13	ug/Kg		05/02/17 14:16	05/05/17 22:35	1
1,4-Dioxane	ND	H	640	64	ug/Kg		05/02/17 14:16	05/05/17 22:35	1
2,2'-oxybis[1-chloropropane]	ND	H	320	22	ug/Kg		05/02/17 14:16	05/05/17 22:35	1
2,3,4,6-Tetrachlorophenol	ND	H	1600	130	ug/Kg		05/02/17 14:16	05/05/17 22:35	1
2,4,5-Trichlorophenol	ND	H	320	9.7	ug/Kg		05/02/17 14:16	05/05/17 22:35	1
2,4,6-Trichlorophenol	ND	H	320	9.7	ug/Kg		05/02/17 14:16	05/05/17 22:35	1
2,4-Dichlorophenol	ND	H	320	9.7	ug/Kg		05/02/17 14:16	05/05/17 22:35	1
2,4-Dimethylphenol	ND	H	320	64	ug/Kg		05/02/17 14:16	05/05/17 22:35	1
2,4-Dinitrophenol	ND	H	1600	320	ug/Kg		05/02/17 14:16	05/05/17 22:35	1
2,4-Dinitrotoluene	ND	H	320	64	ug/Kg		05/02/17 14:16	05/05/17 22:35	1
2,6-Dinitrotoluene	ND	H	320	27	ug/Kg		05/02/17 14:16	05/05/17 22:35	1
2-Chloronaphthalene	ND	H	320	9.7	ug/Kg		05/02/17 14:16	05/05/17 22:35	1
2-Chlorophenol	ND	H	320	20	ug/Kg		05/02/17 14:16	05/05/17 22:35	1
2-Methylnaphthalene	ND	H	320	19	ug/Kg		05/02/17 14:16	05/05/17 22:35	1
2-Methylphenol	ND	H	320	13	ug/Kg		05/02/17 14:16	05/05/17 22:35	1
2-Nitroaniline	ND	H	1600	49	ug/Kg		05/02/17 14:16	05/05/17 22:35	1
2-Nitrophenol	ND	H	320	9.7	ug/Kg		05/02/17 14:16	05/05/17 22:35	1
3 & 4 Methylphenol	ND	H	320	32	ug/Kg		05/02/17 14:16	05/05/17 22:35	1
3,3'-Dichlorobenzidine	ND	H	640	88	ug/Kg		05/02/17 14:16	05/05/17 22:35	1
3-Nitroaniline	ND	H	1600	71	ug/Kg		05/02/17 14:16	05/05/17 22:35	1
4,6-Dinitro-2-methylphenol	ND	H	1600	320	ug/Kg		05/02/17 14:16	05/05/17 22:35	1
4-Bromophenyl phenyl ether	ND	H	320	19	ug/Kg		05/02/17 14:16	05/05/17 22:35	1
4-Chloro-3-methylphenol	ND	H	320	64	ug/Kg		05/02/17 14:16	05/05/17 22:35	1
4-Chloroaniline	ND	H	320	80	ug/Kg		05/02/17 14:16	05/05/17 22:35	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: NA-SO-02-09-18
Date Collected: 04/06/17 09:48
Date Received: 04/06/17 16:20

Lab Sample ID: 280-95601-8
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	ND	H	320	20	ug/Kg		05/02/17 14:16	05/05/17 22:35	1
4-Nitroaniline	ND	H	1600	71	ug/Kg		05/02/17 14:16	05/05/17 22:35	1
4-Nitrophenol	ND	H	1600	94	ug/Kg		05/02/17 14:16	05/05/17 22:35	1
Acenaphthene	ND	H	320	10	ug/Kg		05/02/17 14:16	05/05/17 22:35	1
Acenaphthylene	ND	H	320	17	ug/Kg		05/02/17 14:16	05/05/17 22:35	1
Acetophenone	ND	H	320	19	ug/Kg		05/02/17 14:16	05/05/17 22:35	1
Anthracene	ND	H	320	17	ug/Kg		05/02/17 14:16	05/05/17 22:35	1
Atrazine	ND	H	320	36	ug/Kg		05/02/17 14:16	05/05/17 22:35	1
Benzaldehyde	ND	H	320	65	ug/Kg		05/02/17 14:16	05/05/17 22:35	1
Benzo[a]anthracene	ND	H	320	19	ug/Kg		05/02/17 14:16	05/05/17 22:35	1
Benzo[a]pyrene	ND	H	320	19	ug/Kg		05/02/17 14:16	05/05/17 22:35	1
Benzo[b]fluoranthene	ND	H	320	26	ug/Kg		05/02/17 14:16	05/05/17 22:35	1
Benzo[g,h,i]perylene	ND	H	320	16	ug/Kg		05/02/17 14:16	05/05/17 22:35	1
Benzo[k]fluoranthene	ND	H	320	39	ug/Kg		05/02/17 14:16	05/05/17 22:35	1
Bis(2-chloroethoxy)methane	ND	H	320	22	ug/Kg		05/02/17 14:16	05/05/17 22:35	1
Bis(2-chloroethyl)ether	ND	H	320	16	ug/Kg		05/02/17 14:16	05/05/17 22:35	1
Bis(2-ethylhexyl) phthalate	ND	H	320	45	ug/Kg		05/02/17 14:16	05/05/17 22:35	1
Butyl benzyl phthalate	ND	H	320	42	ug/Kg		05/02/17 14:16	05/05/17 22:35	1
Caprolactam	ND	H	1600	100	ug/Kg		05/02/17 14:16	05/05/17 22:35	1
Carbazole	ND	H	320	35	ug/Kg		05/02/17 14:16	05/05/17 22:35	1
Chrysene	ND	H	320	26	ug/Kg		05/02/17 14:16	05/05/17 22:35	1
Dibenz(a,h)anthracene	ND	H	320	19	ug/Kg		05/02/17 14:16	05/05/17 22:35	1
Dibenzofuran	ND	H	320	19	ug/Kg		05/02/17 14:16	05/05/17 22:35	1
Diethyl phthalate	ND	H	640	25	ug/Kg		05/02/17 14:16	05/05/17 22:35	1
Dimethyl phthalate	ND	H	320	22	ug/Kg		05/02/17 14:16	05/05/17 22:35	1
Di-n-butyl phthalate	ND	H	320	28	ug/Kg		05/02/17 14:16	05/05/17 22:35	1
Di-n-octyl phthalate	ND	H	320	14	ug/Kg		05/02/17 14:16	05/05/17 22:35	1
Fluoranthene	ND	H	320	35	ug/Kg		05/02/17 14:16	05/05/17 22:35	1
Fluorene	ND	H	320	18	ug/Kg		05/02/17 14:16	05/05/17 22:35	1
Hexachlorobenzene	ND	H	320	28	ug/Kg		05/02/17 14:16	05/05/17 22:35	1
Hexachlorobutadiene	ND	H	320	9.7	ug/Kg		05/02/17 14:16	05/05/17 22:35	1
Hexachlorocyclopentadiene	ND	H	1600	49	ug/Kg		05/02/17 14:16	05/05/17 22:35	1
Hexachloroethane	ND	H	320	21	ug/Kg		05/02/17 14:16	05/05/17 22:35	1
Indeno[1,2,3-cd]pyrene	ND	H	320	21	ug/Kg		05/02/17 14:16	05/05/17 22:35	1
Isophorone	ND	H	320	17	ug/Kg		05/02/17 14:16	05/05/17 22:35	1
Naphthalene	ND	H	320	30	ug/Kg		05/02/17 14:16	05/05/17 22:35	1
Nitrobenzene	ND	H	320	21	ug/Kg		05/02/17 14:16	05/05/17 22:35	1
N-Nitrosodi-n-propylamine	ND	H	320	30	ug/Kg		05/02/17 14:16	05/05/17 22:35	1
n-Nitrosodiphenylamine(as diphenylamine)	ND	H	320	20	ug/Kg		05/02/17 14:16	05/05/17 22:35	1
Pentachlorophenol	ND	H	1600	320	ug/Kg		05/02/17 14:16	05/05/17 22:35	1
Phenanthrene	ND	H	320	17	ug/Kg		05/02/17 14:16	05/05/17 22:35	1
Phenol	ND	H	320	18	ug/Kg		05/02/17 14:16	05/05/17 22:35	1
Pyrene	ND	H	320	12	ug/Kg		05/02/17 14:16	05/05/17 22:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*83*		*24 - 135*	*05/02/17 14:16*	*05/05/17 22:35*	*1*
2-Fluorobiphenyl	*68*		*33 - 135*	*05/02/17 14:16*	*05/05/17 22:35*	*1*
2-Fluorophenol	*75*		*39 - 135*	*05/02/17 14:16*	*05/05/17 22:35*	*1*
Nitrobenzene-d5	*70*		*32 - 135*	*05/02/17 14:16*	*05/05/17 22:35*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: NA-SO-02-09-18 — **Lab Sample ID: 280-95601-8**
Date Collected: 04/06/17 09:48 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*75*		*39 - 135*	*05/02/17 14:16*	*05/05/17 22:35*	*1*
Terphenyl-d14	*82*		*30 - 135*	*05/02/17 14:16*	*05/05/17 22:35*	*1*

Client Sample ID: NA-SO-DUP1 — **Lab Sample ID: 280-95601-10**
Date Collected: 04/06/17 00:00 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND	H	320	49	ug/Kg		05/02/17 14:16	05/05/17 23:01	1
1,2,4,5-Tetrachlorobenzene	ND	H	320	48	ug/Kg		05/02/17 14:16	05/05/17 23:01	1
1,2,4-Trichlorobenzene	ND	H	320	28	ug/Kg		05/02/17 14:16	05/05/17 23:01	1
1,2-Dichlorobenzene	ND	H	320	22	ug/Kg		05/02/17 14:16	05/05/17 23:01	1
1,3-Dichlorobenzene	ND	H	320	12	ug/Kg		05/02/17 14:16	05/05/17 23:01	1
1,4-Dichlorobenzene	ND	H	320	13	ug/Kg		05/02/17 14:16	05/05/17 23:01	1
1,4-Dioxane	ND	H	650	65	ug/Kg		05/02/17 14:16	05/05/17 23:01	1
2,2'-oxybis[1-chloropropane]	ND	H	320	23	ug/Kg		05/02/17 14:16	05/05/17 23:01	1
2,3,4,6-Tetrachlorophenol	ND	H	1600	130	ug/Kg		05/02/17 14:16	05/05/17 23:01	1
2,4,5-Trichlorophenol	ND	H	320	9.8	ug/Kg		05/02/17 14:16	05/05/17 23:01	1
2,4,6-Trichlorophenol	ND	H	320	9.8	ug/Kg		05/02/17 14:16	05/05/17 23:01	1
2,4-Dichlorophenol	ND	H	320	9.8	ug/Kg		05/02/17 14:16	05/05/17 23:01	1
2,4-Dimethylphenol	ND	H	320	65	ug/Kg		05/02/17 14:16	05/05/17 23:01	1
2,4-Dinitrophenol	ND	H	1600	330	ug/Kg		05/02/17 14:16	05/05/17 23:01	1
2,4-Dinitrotoluene	ND	H	320	65	ug/Kg		05/02/17 14:16	05/05/17 23:01	1
2,6-Dinitrotoluene	ND	H	320	28	ug/Kg		05/02/17 14:16	05/05/17 23:01	1
2-Chloronaphthalene	ND	H	320	9.8	ug/Kg		05/02/17 14:16	05/05/17 23:01	1
2-Chlorophenol	ND	H	320	21	ug/Kg		05/02/17 14:16	05/05/17 23:01	1
2-Methylnaphthalene	ND	H	320	19	ug/Kg		05/02/17 14:16	05/05/17 23:01	1
2-Methylphenol	ND	H	320	13	ug/Kg		05/02/17 14:16	05/05/17 23:01	1
2-Nitroaniline	ND	H	1600	49	ug/Kg		05/02/17 14:16	05/05/17 23:01	1
2-Nitrophenol	ND	H	320	9.8	ug/Kg		05/02/17 14:16	05/05/17 23:01	1
3 & 4 Methylphenol	ND	H	320	32	ug/Kg		05/02/17 14:16	05/05/17 23:01	1
3,3'-Dichlorobenzidine	ND	H	650	89	ug/Kg		05/02/17 14:16	05/05/17 23:01	1
3-Nitroaniline	ND	H	1600	72	ug/Kg		05/02/17 14:16	05/05/17 23:01	1
4,6-Dinitro-2-methylphenol	ND	H	1600	320	ug/Kg		05/02/17 14:16	05/05/17 23:01	1
4-Bromophenyl phenyl ether	ND	H	320	19	ug/Kg		05/02/17 14:16	05/05/17 23:01	1
4-Chloro-3-methylphenol	ND	H	320	65	ug/Kg		05/02/17 14:16	05/05/17 23:01	1
4-Chloroaniline	ND	H	320	81	ug/Kg		05/02/17 14:16	05/05/17 23:01	1
4-Chlorophenyl phenyl ether	ND	H	320	21	ug/Kg		05/02/17 14:16	05/05/17 23:01	1
4-Nitroaniline	ND	H	1600	71	ug/Kg		05/02/17 14:16	05/05/17 23:01	1
4-Nitrophenol	ND	H	1600	95	ug/Kg		05/02/17 14:16	05/05/17 23:01	1
Acenaphthene	ND	H	320	10	ug/Kg		05/02/17 14:16	05/05/17 23:01	1
Acenaphthylene	ND	H	320	17	ug/Kg		05/02/17 14:16	05/05/17 23:01	1
Acetophenone	ND	H	320	20	ug/Kg		05/02/17 14:16	05/05/17 23:01	1
Anthracene	ND	H	320	17	ug/Kg		05/02/17 14:16	05/05/17 23:01	1
Atrazine	ND	H	320	36	ug/Kg		05/02/17 14:16	05/05/17 23:01	1
Benzaldehyde	ND	H	320	66	ug/Kg		05/02/17 14:16	05/05/17 23:01	1
Benzo[a]anthracene	**53**	**J H**	320	20	ug/Kg		05/02/17 14:16	05/05/17 23:01	1
Benzo[a]pyrene	**85**	**J H**	320	20	ug/Kg		05/02/17 14:16	05/05/17 23:01	1
Benzo[b]fluoranthene	**160**	**J H**	320	26	ug/Kg		05/02/17 14:16	05/05/17 23:01	1
Benzo[g,h,i]perylene	**86**	**J H**	320	16	ug/Kg		05/02/17 14:16	05/05/17 23:01	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: NA-SO-DUP1 — **Lab Sample ID: 280-95601-10**
Date Collected: 04/06/17 00:00 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	**61**	**J H**	320	39	ug/Kg		05/02/17 14:16	05/05/17 23:01	1
Bis(2-chloroethoxy)methane	ND	H	320	23	ug/Kg		05/02/17 14:16	05/05/17 23:01	1
Bis(2-chloroethyl)ether	ND	H	320	16	ug/Kg		05/02/17 14:16	05/05/17 23:01	1
Bis(2-ethylhexyl) phthalate	ND	H	320	45	ug/Kg		05/02/17 14:16	05/05/17 23:01	1
Butyl benzyl phthalate	ND	H	320	42	ug/Kg		05/02/17 14:16	05/05/17 23:01	1
Caprolactam	ND	H	1600	100	ug/Kg		05/02/17 14:16	05/05/17 23:01	1
Carbazole	ND	H	320	35	ug/Kg		05/02/17 14:16	05/05/17 23:01	1
Chrysene	**110**	**J H**	320	27	ug/Kg		05/02/17 14:16	05/05/17 23:01	1
Dibenz(a,h)anthracene	ND	H	320	19	ug/Kg		05/02/17 14:16	05/05/17 23:01	1
Dibenzofuran	ND	H	320	20	ug/Kg		05/02/17 14:16	05/05/17 23:01	1
Diethyl phthalate	ND	H	650	26	ug/Kg		05/02/17 14:16	05/05/17 23:01	1
Dimethyl phthalate	ND	H	320	23	ug/Kg		05/02/17 14:16	05/05/17 23:01	1
Di-n-butyl phthalate	ND	H	320	29	ug/Kg		05/02/17 14:16	05/05/17 23:01	1
Di-n-octyl phthalate	ND	H	320	14	ug/Kg		05/02/17 14:16	05/05/17 23:01	1
Fluoranthene	**140**	**J H**	320	35	ug/Kg		05/02/17 14:16	05/05/17 23:01	1
Fluorene	ND	H	320	18	ug/Kg		05/02/17 14:16	05/05/17 23:01	1
Hexachlorobenzene	ND	H	320	29	ug/Kg		05/02/17 14:16	05/05/17 23:01	1
Hexachlorobutadiene	ND	H	320	9.8	ug/Kg		05/02/17 14:16	05/05/17 23:01	1
Hexachlorocyclopentadiene	ND	H	1600	49	ug/Kg		05/02/17 14:16	05/05/17 23:01	1
Hexachloroethane	ND	H	320	21	ug/Kg		05/02/17 14:16	05/05/17 23:01	1
Indeno[1,2,3-cd]pyrene	**99**	**J H**	320	22	ug/Kg		05/02/17 14:16	05/05/17 23:01	1
Isophorone	ND	H	320	17	ug/Kg		05/02/17 14:16	05/05/17 23:01	1
Naphthalene	ND	H	320	30	ug/Kg		05/02/17 14:16	05/05/17 23:01	1
Nitrobenzene	ND	H	320	22	ug/Kg		05/02/17 14:16	05/05/17 23:01	1
N-Nitrosodi-n-propylamine	ND	H	320	30	ug/Kg		05/02/17 14:16	05/05/17 23:01	1
n-Nitrosodiphenylamine(as diphenylamine)	ND	H	320	21	ug/Kg		05/02/17 14:16	05/05/17 23:01	1
Pentachlorophenol	ND	H	1600	320	ug/Kg		05/02/17 14:16	05/05/17 23:01	1
Phenanthrene	**34**	**J H**	320	17	ug/Kg		05/02/17 14:16	05/05/17 23:01	1
Phenol	ND	H	320	18	ug/Kg		05/02/17 14:16	05/05/17 23:01	1
Pyrene	**110**	**J H**	320	12	ug/Kg		05/02/17 14:16	05/05/17 23:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*90*		*24 - 135*	*05/02/17 14:16*	*05/05/17 23:01*	*1*
2-Fluorobiphenyl	*70*		*33 - 135*	*05/02/17 14:16*	*05/05/17 23:01*	*1*
2-Fluorophenol	*71*		*39 - 135*	*05/02/17 14:16*	*05/05/17 23:01*	*1*
Nitrobenzene-d5	*68*		*32 - 135*	*05/02/17 14:16*	*05/05/17 23:01*	*1*
Phenol-d5	*72*		*39 - 135*	*05/02/17 14:16*	*05/05/17 23:01*	*1*
Terphenyl-d14	*87*		*30 - 135*	*05/02/17 14:16*	*05/05/17 23:01*	*1*

Client Sample ID: ST-EB-20170406 — **Lab Sample ID: 280-95601-12**
Date Collected: 04/06/17 11:40 — **Matrix: Water**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND	H	11	2.0	ug/L		04/30/17 08:06	05/03/17 19:06	1
1,2,4,5-Tetrachlorobenzene	ND	H	11	1.9	ug/L		04/30/17 08:06	05/03/17 19:06	1
1,2,4-Trichlorobenzene	ND	H	4.5	0.31	ug/L		04/30/17 08:06	05/03/17 19:06	1
1,2-Dichlorobenzene	ND	H	4.5	0.26	ug/L		04/30/17 08:06	05/03/17 19:06	1
1,3-Dichlorobenzene	ND	H	11	0.34	ug/L		04/30/17 08:06	05/03/17 19:06	1
1,4-Dichlorobenzene	ND	H	4.5	0.36	ug/L		04/30/17 08:06	05/03/17 19:06	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: ST-EB-20170406
Date Collected: 04/06/17 11:40
Date Received: 04/06/17 16:20

Lab Sample ID: 280-95601-12
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND	H *	22	1.9	ug/L		04/30/17 08:06	05/03/17 19:06	1
2,2'-oxybis[1-chloropropane]	ND	H	11	0.31	ug/L		04/30/17 08:06	05/03/17 19:06	1
2,3,4,6-Tetrachlorophenol	ND	H	56	2.2	ug/L		04/30/17 08:06	05/03/17 19:06	1
2,4,5-Trichlorophenol	ND	H	11	0.50	ug/L		04/30/17 08:06	05/03/17 19:06	1
2,4,6-Trichlorophenol	ND	H	11	0.32	ug/L		04/30/17 08:06	05/03/17 19:06	1
2,4-Dichlorophenol	ND	H	11	0.72	ug/L		04/30/17 08:06	05/03/17 19:06	1
2,4-Dimethylphenol	ND	H	11	0.65	ug/L		04/30/17 08:06	05/03/17 19:06	1
2,4-Dinitrophenol	ND	H	34	11	ug/L		04/30/17 08:06	05/03/17 19:06	1
2,4-Dinitrotoluene	ND	H	11	1.9	ug/L		04/30/17 08:06	05/03/17 19:06	1
2,6-Dinitrotoluene	ND	H	11	2.1	ug/L		04/30/17 08:06	05/03/17 19:06	1
2-Chloronaphthalene	ND	H	4.5	0.29	ug/L		04/30/17 08:06	05/03/17 19:06	1
2-Chlorophenol	ND	H	11	2.2	ug/L		04/30/17 08:06	05/03/17 19:06	1
2-Methylnaphthalene	ND	H	4.5	0.32	ug/L		04/30/17 08:06	05/03/17 19:06	1
2-Methylphenol	ND	H	11	1.1	ug/L		04/30/17 08:06	05/03/17 19:06	1
2-Nitroaniline	ND	H	11	1.9	ug/L		04/30/17 08:06	05/03/17 19:06	1
2-Nitrophenol	ND	H	11	0.44	ug/L		04/30/17 08:06	05/03/17 19:06	1
3 & 4 Methylphenol	ND	H	11	0.28	ug/L		04/30/17 08:06	05/03/17 19:06	1
3,3'-Dichlorobenzidine	ND	H	56	2.2	ug/L		04/30/17 08:06	05/03/17 19:06	1
3-Nitroaniline	ND	H	11	2.2	ug/L		04/30/17 08:06	05/03/17 19:06	1
4,6-Dinitro-2-methylphenol	ND	H	56	4.5	ug/L		04/30/17 08:06	05/03/17 19:06	1
4-Bromophenyl phenyl ether	ND	H	11	0.48	ug/L		04/30/17 08:06	05/03/17 19:06	1
4-Chloro-3-methylphenol	ND	H	11	2.7	ug/L		04/30/17 08:06	05/03/17 19:06	1
4-Chloroaniline	ND	H	11	2.4	ug/L		04/30/17 08:06	05/03/17 19:06	1
4-Chlorophenyl phenyl ether	ND	H	11	1.9	ug/L		04/30/17 08:06	05/03/17 19:06	1
4-Nitroaniline	ND	H	11	2.2	ug/L		04/30/17 08:06	05/03/17 19:06	1
4-Nitrophenol	ND	H	11	1.4	ug/L		04/30/17 08:06	05/03/17 19:06	1
Acenaphthene	ND	H	4.5	0.31	ug/L		04/30/17 08:06	05/03/17 19:06	1
Acenaphthylene	ND	H	4.5	0.55	ug/L		04/30/17 08:06	05/03/17 19:06	1
Acetophenone	ND	H	11	0.27	ug/L		04/30/17 08:06	05/03/17 19:06	1
Anthracene	ND	H	4.5	0.47	ug/L		04/30/17 08:06	05/03/17 19:06	1
Atrazine	ND	H	11	0.82	ug/L		04/30/17 08:06	05/03/17 19:06	1
Benzaldehyde	ND	H	11	2.2	ug/L		04/30/17 08:06	05/03/17 19:06	1
Benzo[a]anthracene	ND	H	4.5	0.39	ug/L		04/30/17 08:06	05/03/17 19:06	1
Benzo[a]pyrene	ND	H	4.5	0.35	ug/L		04/30/17 08:06	05/03/17 19:06	1
Benzo[b]fluoranthene	ND	H	4.5	0.59	ug/L		04/30/17 08:06	05/03/17 19:06	1
Benzo[g,h,i]perylene	ND	H	4.5	0.56	ug/L		04/30/17 08:06	05/03/17 19:06	1
Benzo[k]fluoranthene	ND	H	4.5	0.51	ug/L		04/30/17 08:06	05/03/17 19:06	1
Bis(2-chloroethoxy)methane	ND	H	11	1.1	ug/L		04/30/17 08:06	05/03/17 19:06	1
Bis(2-chloroethyl)ether	ND	H	11	0.46	ug/L		04/30/17 08:06	05/03/17 19:06	1
Bis(2-ethylhexyl) phthalate	**7.6**	**J H**	11	0.63	ug/L		04/30/17 08:06	05/03/17 19:06	1
Butyl benzyl phthalate	ND	H	4.5	1.1	ug/L		04/30/17 08:06	05/03/17 19:06	1
Caprolactam	ND	H	11	5.6	ug/L		04/30/17 08:06	05/03/17 19:06	1
Carbazole	ND	H	4.5	0.48	ug/L		04/30/17 08:06	05/03/17 19:06	1
Chrysene	ND	H	4.5	0.60	ug/L		04/30/17 08:06	05/03/17 19:06	1
Dibenz(a,h)anthracene	ND	H	4.5	0.57	ug/L		04/30/17 08:06	05/03/17 19:06	1
Dibenzofuran	ND	H	4.5	0.32	ug/L		04/30/17 08:06	05/03/17 19:06	1
Diethyl phthalate	ND	H	4.5	0.42	ug/L		04/30/17 08:06	05/03/17 19:06	1
Dimethyl phthalate	ND	H	4.5	0.23	ug/L		04/30/17 08:06	05/03/17 19:06	1
Di-n-butyl phthalate	ND	H	4.5	1.3	ug/L		04/30/17 08:06	05/03/17 19:06	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: ST-EB-20170406 — **Lab Sample ID: 280-95601-12**
Date Collected: 04/06/17 11:40 — **Matrix: Water**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	ND	H	4.5	0.39	ug/L		04/30/17 08:06	05/03/17 19:06	1
Fluoranthene	ND	H	4.5	0.22	ug/L		04/30/17 08:06	05/03/17 19:06	1
Fluorene	ND	H	4.5	0.35	ug/L		04/30/17 08:06	05/03/17 19:06	1
Hexachlorobenzene	ND	H	11	0.74	ug/L		04/30/17 08:06	05/03/17 19:06	1
Hexachlorobutadiene	ND	H	11	3.7	ug/L		04/30/17 08:06	05/03/17 19:06	1
Hexachlorocyclopentadiene	ND	H	56	11	ug/L		04/30/17 08:06	05/03/17 19:06	1
Hexachloroethane	ND	H	11	2.3	ug/L		04/30/17 08:06	05/03/17 19:06	1
Indeno[1,2,3-cd]pyrene	ND	H	4.5	0.73	ug/L		04/30/17 08:06	05/03/17 19:06	1
Isophorone	ND	H	11	0.23	ug/L		04/30/17 08:06	05/03/17 19:06	1
Naphthalene	ND	H	4.5	0.32	ug/L		04/30/17 08:06	05/03/17 19:06	1
Nitrobenzene	ND	H	11	0.91	ug/L		04/30/17 08:06	05/03/17 19:06	1
N-Nitrosodi-n-propylamine	ND	H	11	0.39	ug/L		04/30/17 08:06	05/03/17 19:06	1
n-Nitrosodiphenylamine(as diphenylamine)	ND	H	11	0.49	ug/L		04/30/17 08:06	05/03/17 19:06	1
Pentachlorophenol	ND	H	56	22	ug/L		04/30/17 08:06	05/03/17 19:06	1
Phenanthrene	ND	H	4.5	0.29	ug/L		04/30/17 08:06	05/03/17 19:06	1
Phenol	ND	H	11	2.2	ug/L		04/30/17 08:06	05/03/17 19:06	1
Pyrene	ND	H	11	0.41	ug/L		04/30/17 08:06	05/03/17 19:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*75*		*48 - 135*	*04/30/17 08:06*	*05/03/17 19:06*	*1*
2-Fluorobiphenyl	*77*		*48 - 135*	*04/30/17 08:06*	*05/03/17 19:06*	*1*
2-Fluorophenol	*75*		*41 - 135*	*04/30/17 08:06*	*05/03/17 19:06*	*1*
Nitrobenzene-d5	*76*		*42 - 135*	*04/30/17 08:06*	*05/03/17 19:06*	*1*
Phenol-d5	*72*		*46 - 135*	*04/30/17 08:06*	*05/03/17 19:06*	*1*
Terphenyl-d14	*92*		*20 - 135*	*04/30/17 08:06*	*05/03/17 19:06*	*1*

Client Sample ID: ST-SO-01-00-01 — **Lab Sample ID: 280-95601-13**
Date Collected: 04/06/17 12:00 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND	H	310	47	ug/Kg		05/02/17 14:16	05/05/17 23:28	1
1,2,4,5-Tetrachlorobenzene	ND	H	310	46	ug/Kg		05/02/17 14:16	05/05/17 23:28	1
1,2,4-Trichlorobenzene	ND	H	310	26	ug/Kg		05/02/17 14:16	05/05/17 23:28	1
1,2-Dichlorobenzene	ND	H	310	21	ug/Kg		05/02/17 14:16	05/05/17 23:28	1
1,3-Dichlorobenzene	ND	H	310	11	ug/Kg		05/02/17 14:16	05/05/17 23:28	1
1,4-Dichlorobenzene	ND	H	310	13	ug/Kg		05/02/17 14:16	05/05/17 23:28	1
1,4-Dioxane	ND	H	620	62	ug/Kg		05/02/17 14:16	05/05/17 23:28	1
2,2'-oxybis[1-chloropropane]	ND	H	310	22	ug/Kg		05/02/17 14:16	05/05/17 23:28	1
2,3,4,6-Tetrachlorophenol	ND	H	1500	130	ug/Kg		05/02/17 14:16	05/05/17 23:28	1
2,4,5-Trichlorophenol	ND	H	310	9.4	ug/Kg		05/02/17 14:16	05/05/17 23:28	1
2,4,6-Trichlorophenol	ND	H	310	9.4	ug/Kg		05/02/17 14:16	05/05/17 23:28	1
2,4-Dichlorophenol	ND	H	310	9.4	ug/Kg		05/02/17 14:16	05/05/17 23:28	1
2,4-Dimethylphenol	ND	H	310	62	ug/Kg		05/02/17 14:16	05/05/17 23:28	1
2,4-Dinitrophenol	ND	H	1500	310	ug/Kg		05/02/17 14:16	05/05/17 23:28	1
2,4-Dinitrotoluene	ND	H	310	62	ug/Kg		05/02/17 14:16	05/05/17 23:28	1
2,6-Dinitrotoluene	ND	H	310	26	ug/Kg		05/02/17 14:16	05/05/17 23:28	1
2-Chloronaphthalene	ND	H	310	9.4	ug/Kg		05/02/17 14:16	05/05/17 23:28	1
2-Chlorophenol	ND	H	310	20	ug/Kg		05/02/17 14:16	05/05/17 23:28	1
2-Methylnaphthalene	ND	H	310	18	ug/Kg		05/02/17 14:16	05/05/17 23:28	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: ST-SO-01-00-01
Date Collected: 04/06/17 12:00
Date Received: 04/06/17 16:20

Lab Sample ID: 280-95601-13
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND	H	310	12	ug/Kg		05/02/17 14:16	05/05/17 23:28	1
2-Nitroaniline	ND	H	1500	47	ug/Kg		05/02/17 14:16	05/05/17 23:28	1
2-Nitrophenol	ND	H	310	9.4	ug/Kg		05/02/17 14:16	05/05/17 23:28	1
3 & 4 Methylphenol	ND	H	310	31	ug/Kg		05/02/17 14:16	05/05/17 23:28	1
3,3'-Dichlorobenzidine	ND	H	620	84	ug/Kg		05/02/17 14:16	05/05/17 23:28	1
3-Nitroaniline	ND	H	1500	68	ug/Kg		05/02/17 14:16	05/05/17 23:28	1
4,6-Dinitro-2-methylphenol	ND	H	1500	310	ug/Kg		05/02/17 14:16	05/05/17 23:28	1
4-Bromophenyl phenyl ether	ND	H	310	18	ug/Kg		05/02/17 14:16	05/05/17 23:28	1
4-Chloro-3-methylphenol	ND	H	310	62	ug/Kg		05/02/17 14:16	05/05/17 23:28	1
4-Chloroaniline	ND	H	310	77	ug/Kg		05/02/17 14:16	05/05/17 23:28	1
4-Chlorophenyl phenyl ether	ND	H	310	20	ug/Kg		05/02/17 14:16	05/05/17 23:28	1
4-Nitroaniline	ND	H	1500	68	ug/Kg		05/02/17 14:16	05/05/17 23:28	1
4-Nitrophenol	ND	H	1500	91	ug/Kg		05/02/17 14:16	05/05/17 23:28	1
Acenaphthene	ND	H	310	9.7	ug/Kg		05/02/17 14:16	05/05/17 23:28	1
Acenaphthylene	ND	H	310	16	ug/Kg		05/02/17 14:16	05/05/17 23:28	1
Acetophenone	ND	H	310	19	ug/Kg		05/02/17 14:16	05/05/17 23:28	1
Anthracene	ND	H	310	16	ug/Kg		05/02/17 14:16	05/05/17 23:28	1
Atrazine	ND	H	310	35	ug/Kg		05/02/17 14:16	05/05/17 23:28	1
Benzaldehyde	ND	H	310	63	ug/Kg		05/02/17 14:16	05/05/17 23:28	1
Benzo[a]anthracene	**20**	**J H**	310	19	ug/Kg		05/02/17 14:16	05/05/17 23:28	1
Benzo[a]pyrene	**21**	**J H**	310	19	ug/Kg		05/02/17 14:16	05/05/17 23:28	1
Benzo[b]fluoranthene	**33**	**J H**	310	25	ug/Kg		05/02/17 14:16	05/05/17 23:28	1
Benzo[g,h,i]perylene	**18**	**J H**	310	15	ug/Kg		05/02/17 14:16	05/05/17 23:28	1
Benzo[k]fluoranthene	ND	H	310	38	ug/Kg		05/02/17 14:16	05/05/17 23:28	1
Bis(2-chloroethoxy)methane	ND	H	310	22	ug/Kg		05/02/17 14:16	05/05/17 23:28	1
Bis(2-chloroethyl)ether	ND	H	310	16	ug/Kg		05/02/17 14:16	05/05/17 23:28	1
Bis(2-ethylhexyl) phthalate	**110**	**J H**	310	43	ug/Kg		05/02/17 14:16	05/05/17 23:28	1
Butyl benzyl phthalate	ND	H	310	40	ug/Kg		05/02/17 14:16	05/05/17 23:28	1
Caprolactam	ND	H	1500	99	ug/Kg		05/02/17 14:16	05/05/17 23:28	1
Carbazole	ND	H	310	34	ug/Kg		05/02/17 14:16	05/05/17 23:28	1
Chrysene	ND	H	310	25	ug/Kg		05/02/17 14:16	05/05/17 23:28	1
Dibenz(a,h)anthracene	ND	H	310	18	ug/Kg		05/02/17 14:16	05/05/17 23:28	1
Dibenzofuran	ND	H	310	19	ug/Kg		05/02/17 14:16	05/05/17 23:28	1
Diethyl phthalate	ND	H	620	24	ug/Kg		05/02/17 14:16	05/05/17 23:28	1
Dimethyl phthalate	ND	H	310	22	ug/Kg		05/02/17 14:16	05/05/17 23:28	1
Di-n-butyl phthalate	ND	H	310	27	ug/Kg		05/02/17 14:16	05/05/17 23:28	1
Di-n-octyl phthalate	ND	H	310	14	ug/Kg		05/02/17 14:16	05/05/17 23:28	1
Fluoranthene	**39**	**J H**	310	34	ug/Kg		05/02/17 14:16	05/05/17 23:28	1
Fluorene	ND	H	310	17	ug/Kg		05/02/17 14:16	05/05/17 23:28	1
Hexachlorobenzene	ND	H	310	27	ug/Kg		05/02/17 14:16	05/05/17 23:28	1
Hexachlorobutadiene	ND	H	310	9.4	ug/Kg		05/02/17 14:16	05/05/17 23:28	1
Hexachlorocyclopentadiene	ND	H	1500	47	ug/Kg		05/02/17 14:16	05/05/17 23:28	1
Hexachloroethane	ND	H	310	20	ug/Kg		05/02/17 14:16	05/05/17 23:28	1
Indeno[1,2,3-cd]pyrene	ND	H	310	21	ug/Kg		05/02/17 14:16	05/05/17 23:28	1
Isophorone	ND	H	310	16	ug/Kg		05/02/17 14:16	05/05/17 23:28	1
Naphthalene	ND	H	310	29	ug/Kg		05/02/17 14:16	05/05/17 23:28	1
Nitrobenzene	ND	H	310	21	ug/Kg		05/02/17 14:16	05/05/17 23:28	1
N-Nitrosodi-n-propylamine	ND	H	310	29	ug/Kg		05/02/17 14:16	05/05/17 23:28	1
n-Nitrosodiphenylamine(as diphenylamine)	ND	H	310	20	ug/Kg		05/02/17 14:16	05/05/17 23:28	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: ST-SO-01-00-01 — **Lab Sample ID: 280-95601-13**
Date Collected: 04/06/17 12:00 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND	H	1500	310	ug/Kg		05/02/17 14:16	05/05/17 23:28	1
Phenanthrene	ND	H	310	16	ug/Kg		05/02/17 14:16	05/05/17 23:28	1
Phenol	ND	H	310	17	ug/Kg		05/02/17 14:16	05/05/17 23:28	1
Pyrene	**32**	**J H**	310	11	ug/Kg		05/02/17 14:16	05/05/17 23:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*85*		*24 - 135*	*05/02/17 14:16*	*05/05/17 23:28*	*1*
2-Fluorobiphenyl	*70*		*33 - 135*	*05/02/17 14:16*	*05/05/17 23:28*	*1*
2-Fluorophenol	*76*		*39 - 135*	*05/02/17 14:16*	*05/05/17 23:28*	*1*
Nitrobenzene-d5	*72*		*32 - 135*	*05/02/17 14:16*	*05/05/17 23:28*	*1*
Phenol-d5	*75*		*39 - 135*	*05/02/17 14:16*	*05/05/17 23:28*	*1*
Terphenyl-d14	*80*		*30 - 135*	*05/02/17 14:16*	*05/05/17 23:28*	*1*

Client Sample ID: ST-SO-01-01-09 — **Lab Sample ID: 280-95601-14**
Date Collected: 04/06/17 12:10 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND	H	320	48	ug/Kg		05/02/17 14:16	05/05/17 23:54	1
1,2,4,5-Tetrachlorobenzene	ND	H	320	47	ug/Kg		05/02/17 14:16	05/05/17 23:54	1
1,2,4-Trichlorobenzene	ND	H	320	27	ug/Kg		05/02/17 14:16	05/05/17 23:54	1
1,2-Dichlorobenzene	ND	H F1 F2	320	21	ug/Kg		05/02/17 14:16	05/05/17 23:54	1
1,3-Dichlorobenzene	ND	H F1 F2	320	11	ug/Kg		05/02/17 14:16	05/05/17 23:54	1
1,4-Dichlorobenzene	ND	H F1 F2	320	13	ug/Kg		05/02/17 14:16	05/05/17 23:54	1
1,4-Dioxane	ND	H F1 F2	630	63	ug/Kg		05/02/17 14:16	05/05/17 23:54	1
2,2'-oxybis[1-chloropropane]	ND	H F2	320	22	ug/Kg		05/02/17 14:16	05/05/17 23:54	1
2,3,4,6-Tetrachlorophenol	ND	H	1500	130	ug/Kg		05/02/17 14:16	05/05/17 23:54	1
2,4,5-Trichlorophenol	ND	H	320	9.6	ug/Kg		05/02/17 14:16	05/05/17 23:54	1
2,4,6-Trichlorophenol	ND	H	320	9.6	ug/Kg		05/02/17 14:16	05/05/17 23:54	1
2,4-Dichlorophenol	ND	H	320	9.6	ug/Kg		05/02/17 14:16	05/05/17 23:54	1
2,4-Dimethylphenol	ND	H	320	63	ug/Kg		05/02/17 14:16	05/05/17 23:54	1
2,4-Dinitrophenol	ND	H	1500	320	ug/Kg		05/02/17 14:16	05/05/17 23:54	1
2,4-Dinitrotoluene	ND	H	320	63	ug/Kg		05/02/17 14:16	05/05/17 23:54	1
2,6-Dinitrotoluene	ND	H	320	27	ug/Kg		05/02/17 14:16	05/05/17 23:54	1
2-Chloronaphthalene	ND	H	320	9.6	ug/Kg		05/02/17 14:16	05/05/17 23:54	1
2-Chlorophenol	ND	H	320	20	ug/Kg		05/02/17 14:16	05/05/17 23:54	1
2-Methylnaphthalene	ND	H	320	18	ug/Kg		05/02/17 14:16	05/05/17 23:54	1
2-Methylphenol	ND	H	320	12	ug/Kg		05/02/17 14:16	05/05/17 23:54	1
2-Nitroaniline	ND	H	1500	48	ug/Kg		05/02/17 14:16	05/05/17 23:54	1
2-Nitrophenol	ND	H	320	9.6	ug/Kg		05/02/17 14:16	05/05/17 23:54	1
3 & 4 Methylphenol	ND	H	320	32	ug/Kg		05/02/17 14:16	05/05/17 23:54	1
3,3'-Dichlorobenzidine	ND	H	630	86	ug/Kg		05/02/17 14:16	05/05/17 23:54	1
3-Nitroaniline	ND	H	1500	70	ug/Kg		05/02/17 14:16	05/05/17 23:54	1
4,6-Dinitro-2-methylphenol	ND	H	1500	320	ug/Kg		05/02/17 14:16	05/05/17 23:54	1
4-Bromophenyl phenyl ether	ND	H	320	18	ug/Kg		05/02/17 14:16	05/05/17 23:54	1
4-Chloro-3-methylphenol	ND	H	320	63	ug/Kg		05/02/17 14:16	05/05/17 23:54	1
4-Chloroaniline	ND	H	320	78	ug/Kg		05/02/17 14:16	05/05/17 23:54	1
4-Chlorophenyl phenyl ether	ND	H	320	20	ug/Kg		05/02/17 14:16	05/05/17 23:54	1
4-Nitroaniline	ND	H	1500	69	ug/Kg		05/02/17 14:16	05/05/17 23:54	1
4-Nitrophenol	ND	H	1500	93	ug/Kg		05/02/17 14:16	05/05/17 23:54	1
Acenaphthene	ND	H	320	9.8	ug/Kg		05/02/17 14:16	05/05/17 23:54	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: ST-SO-01-01-09
Date Collected: 04/06/17 12:10
Date Received: 04/06/17 16:20

Lab Sample ID: 280-95601-14
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	ND	H	320	16	ug/Kg		05/02/17 14:16	05/05/17 23:54	1
Acetophenone	ND	H	320	19	ug/Kg		05/02/17 14:16	05/05/17 23:54	1
Anthracene	ND	H	320	16	ug/Kg		05/02/17 14:16	05/05/17 23:54	1
Atrazine	ND	H	320	35	ug/Kg		05/02/17 14:16	05/05/17 23:54	1
Benzaldehyde	ND	H F1 F2	320	64	ug/Kg		05/02/17 14:16	05/05/17 23:54	1
Benzo[a]anthracene	**20**	**J H**	320	19	ug/Kg		05/02/17 14:16	05/05/17 23:54	1
Benzo[a]pyrene	**24**	**J H**	320	19	ug/Kg		05/02/17 14:16	05/05/17 23:54	1
Benzo[b]fluoranthene	**42**	**J H**	320	25	ug/Kg		05/02/17 14:16	05/05/17 23:54	1
Benzo[g,h,i]perylene	**15**	**J H**	320	15	ug/Kg		05/02/17 14:16	05/05/17 23:54	1
Benzo[k]fluoranthene	ND	H	320	38	ug/Kg		05/02/17 14:16	05/05/17 23:54	1
Bis(2-chloroethoxy)methane	ND	H	320	22	ug/Kg		05/02/17 14:16	05/05/17 23:54	1
Bis(2-chloroethyl)ether	ND	H F2	320	16	ug/Kg		05/02/17 14:16	05/05/17 23:54	1
Bis(2-ethylhexyl) phthalate	ND	H	320	44	ug/Kg		05/02/17 14:16	05/05/17 23:54	1
Butyl benzyl phthalate	ND	H	320	41	ug/Kg		05/02/17 14:16	05/05/17 23:54	1
Caprolactam	ND	H	1500	100	ug/Kg		05/02/17 14:16	05/05/17 23:54	1
Carbazole	ND	H	320	34	ug/Kg		05/02/17 14:16	05/05/17 23:54	1
Chrysene	**26**	**J H**	320	26	ug/Kg		05/02/17 14:16	05/05/17 23:54	1
Dibenz(a,h)anthracene	ND	H	320	18	ug/Kg		05/02/17 14:16	05/05/17 23:54	1
Dibenzofuran	ND	H	320	19	ug/Kg		05/02/17 14:16	05/05/17 23:54	1
Diethyl phthalate	ND	H	630	25	ug/Kg		05/02/17 14:16	05/05/17 23:54	1
Dimethyl phthalate	ND	H	320	22	ug/Kg		05/02/17 14:16	05/05/17 23:54	1
Di-n-butyl phthalate	ND	H	320	28	ug/Kg		05/02/17 14:16	05/05/17 23:54	1
Di-n-octyl phthalate	ND	H	320	14	ug/Kg		05/02/17 14:16	05/05/17 23:54	1
Fluoranthene	**42**	**J H**	320	34	ug/Kg		05/02/17 14:16	05/05/17 23:54	1
Fluorene	ND	H	320	17	ug/Kg		05/02/17 14:16	05/05/17 23:54	1
Hexachlorobenzene	ND	H	320	28	ug/Kg		05/02/17 14:16	05/05/17 23:54	1
Hexachlorobutadiene	ND	H F2	320	9.6	ug/Kg		05/02/17 14:16	05/05/17 23:54	1
Hexachlorocyclopentadiene	ND	H F1	1500	48	ug/Kg		05/02/17 14:16	05/05/17 23:54	1
Hexachloroethane	ND	H F1 F2	320	20	ug/Kg		05/02/17 14:16	05/05/17 23:54	1
Indeno[1,2,3-cd]pyrene	**23**	**J H**	320	21	ug/Kg		05/02/17 14:16	05/05/17 23:54	1
Isophorone	ND	H	320	16	ug/Kg		05/02/17 14:16	05/05/17 23:54	1
Naphthalene	ND	H	320	30	ug/Kg		05/02/17 14:16	05/05/17 23:54	1
Nitrobenzene	ND	H	320	21	ug/Kg		05/02/17 14:16	05/05/17 23:54	1
N-Nitrosodi-n-propylamine	ND	H	320	30	ug/Kg		05/02/17 14:16	05/05/17 23:54	1
n-Nitrosodiphenylamine(as diphenylamine)	ND	H	320	20	ug/Kg		05/02/17 14:16	05/05/17 23:54	1
Pentachlorophenol	ND	H	1500	320	ug/Kg		05/02/17 14:16	05/05/17 23:54	1
Phenanthrene	ND	H	320	16	ug/Kg		05/02/17 14:16	05/05/17 23:54	1
Phenol	ND	H	320	17	ug/Kg		05/02/17 14:16	05/05/17 23:54	1
Pyrene	**36**	**J H**	320	12	ug/Kg		05/02/17 14:16	05/05/17 23:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*86*		*24 - 135*	*05/02/17 14:16*	*05/05/17 23:54*	*1*
2-Fluorobiphenyl	*71*		*33 - 135*	*05/02/17 14:16*	*05/05/17 23:54*	*1*
2-Fluorophenol	*77*		*39 - 135*	*05/02/17 14:16*	*05/05/17 23:54*	*1*
Nitrobenzene-d5	*74*		*32 - 135*	*05/02/17 14:16*	*05/05/17 23:54*	*1*
Phenol-d5	*77*		*39 - 135*	*05/02/17 14:16*	*05/05/17 23:54*	*1*
Terphenyl-d14	*81*		*30 - 135*	*05/02/17 14:16*	*05/05/17 23:54*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Client Sample ID: ST-SO-01-09-18
Date Collected: 04/06/17 12:35
Date Received: 04/06/17 16:20

Lab Sample ID: 280-95601-15
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND	H	310	47	ug/Kg		05/02/17 14:16	05/06/17 01:14	1
1,2,4,5-Tetrachlorobenzene	ND	H	310	46	ug/Kg		05/02/17 14:16	05/06/17 01:14	1
1,2,4-Trichlorobenzene	ND	H	310	26	ug/Kg		05/02/17 14:16	05/06/17 01:14	1
1,2-Dichlorobenzene	ND	H	310	21	ug/Kg		05/02/17 14:16	05/06/17 01:14	1
1,3-Dichlorobenzene	ND	H	310	11	ug/Kg		05/02/17 14:16	05/06/17 01:14	1
1,4-Dichlorobenzene	ND	H	310	13	ug/Kg		05/02/17 14:16	05/06/17 01:14	1
1,4-Dioxane	ND	H	620	62	ug/Kg		05/02/17 14:16	05/06/17 01:14	1
2,2'-oxybis[1-chloropropane]	ND	H	310	21	ug/Kg		05/02/17 14:16	05/06/17 01:14	1
2,3,4,6-Tetrachlorophenol	ND	H	1500	130	ug/Kg		05/02/17 14:16	05/06/17 01:14	1
2,4,5-Trichlorophenol	ND	H	310	9.3	ug/Kg		05/02/17 14:16	05/06/17 01:14	1
2,4,6-Trichlorophenol	ND	H	310	9.3	ug/Kg		05/02/17 14:16	05/06/17 01:14	1
2,4-Dichlorophenol	ND	H	310	9.3	ug/Kg		05/02/17 14:16	05/06/17 01:14	1
2,4-Dimethylphenol	ND	H	310	62	ug/Kg		05/02/17 14:16	05/06/17 01:14	1
2,4-Dinitrophenol	ND	H	1500	310	ug/Kg		05/02/17 14:16	05/06/17 01:14	1
2,4-Dinitrotoluene	ND	H	310	62	ug/Kg		05/02/17 14:16	05/06/17 01:14	1
2,6-Dinitrotoluene	ND	H	310	26	ug/Kg		05/02/17 14:16	05/06/17 01:14	1
2-Chloronaphthalene	ND	H	310	9.3	ug/Kg		05/02/17 14:16	05/06/17 01:14	1
2-Chlorophenol	ND	H	310	20	ug/Kg		05/02/17 14:16	05/06/17 01:14	1
2-Methylnaphthalene	ND	H	310	18	ug/Kg		05/02/17 14:16	05/06/17 01:14	1
2-Methylphenol	ND	H	310	12	ug/Kg		05/02/17 14:16	05/06/17 01:14	1
2-Nitroaniline	ND	H	1500	47	ug/Kg		05/02/17 14:16	05/06/17 01:14	1
2-Nitrophenol	ND	H	310	9.3	ug/Kg		05/02/17 14:16	05/06/17 01:14	1
3 & 4 Methylphenol	ND	H	310	31	ug/Kg		05/02/17 14:16	05/06/17 01:14	1
3,3'-Dichlorobenzidine	ND	H	620	84	ug/Kg		05/02/17 14:16	05/06/17 01:14	1
3-Nitroaniline	ND	H	1500	68	ug/Kg		05/02/17 14:16	05/06/17 01:14	1
4,6-Dinitro-2-methylphenol	ND	H	1500	310	ug/Kg		05/02/17 14:16	05/06/17 01:14	1
4-Bromophenyl phenyl ether	ND	H	310	18	ug/Kg		05/02/17 14:16	05/06/17 01:14	1
4-Chloro-3-methylphenol	ND	H	310	62	ug/Kg		05/02/17 14:16	05/06/17 01:14	1
4-Chloroaniline	ND	H	310	77	ug/Kg		05/02/17 14:16	05/06/17 01:14	1
4-Chlorophenyl phenyl ether	ND	H	310	20	ug/Kg		05/02/17 14:16	05/06/17 01:14	1
4-Nitroaniline	ND	H	1500	68	ug/Kg		05/02/17 14:16	05/06/17 01:14	1
4-Nitrophenol	ND	H	1500	91	ug/Kg		05/02/17 14:16	05/06/17 01:14	1
Acenaphthene	ND	H	310	9.6	ug/Kg		05/02/17 14:16	05/06/17 01:14	1
Acenaphthylene	ND	H	310	16	ug/Kg		05/02/17 14:16	05/06/17 01:14	1
Acetophenone	ND	H	310	19	ug/Kg		05/02/17 14:16	05/06/17 01:14	1
Anthracene	ND	H	310	16	ug/Kg		05/02/17 14:16	05/06/17 01:14	1
Atrazine	ND	H	310	35	ug/Kg		05/02/17 14:16	05/06/17 01:14	1
Benzaldehyde	ND	H	310	63	ug/Kg		05/02/17 14:16	05/06/17 01:14	1
Benzo[a]anthracene	ND	H	310	19	ug/Kg		05/02/17 14:16	05/06/17 01:14	1
Benzo[a]pyrene	ND	H	310	19	ug/Kg		05/02/17 14:16	05/06/17 01:14	1
Benzo[b]fluoranthene	ND	H	310	24	ug/Kg		05/02/17 14:16	05/06/17 01:14	1
Benzo[g,h,i]perylene	ND	H	310	15	ug/Kg		05/02/17 14:16	05/06/17 01:14	1
Benzo[k]fluoranthene	ND	H	310	37	ug/Kg		05/02/17 14:16	05/06/17 01:14	1
Bis(2-chloroethoxy)methane	ND	H	310	21	ug/Kg		05/02/17 14:16	05/06/17 01:14	1
Bis(2-chloroethyl)ether	ND	H	310	16	ug/Kg		05/02/17 14:16	05/06/17 01:14	1
Bis(2-ethylhexyl) phthalate	**44**	**J H**	310	43	ug/Kg		05/02/17 14:16	05/06/17 01:14	1
Butyl benzyl phthalate	ND	H	310	40	ug/Kg		05/02/17 14:16	05/06/17 01:14	1
Caprolactam	ND	H	1500	99	ug/Kg		05/02/17 14:16	05/06/17 01:14	1
Carbazole	ND	H	310	34	ug/Kg		05/02/17 14:16	05/06/17 01:14	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: ST-SO-01-09-18 — **Lab Sample ID: 280-95601-15**
Date Collected: 04/06/17 12:35 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	ND	H	310	25	ug/Kg		05/02/17 14:16	05/06/17 01:14	1
Dibenz(a,h)anthracene	ND	H	310	18	ug/Kg		05/02/17 14:16	05/06/17 01:14	1
Dibenzofuran	ND	H	310	19	ug/Kg		05/02/17 14:16	05/06/17 01:14	1
Diethyl phthalate	ND	H	620	24	ug/Kg		05/02/17 14:16	05/06/17 01:14	1
Dimethyl phthalate	ND	H	310	21	ug/Kg		05/02/17 14:16	05/06/17 01:14	1
Di-n-butyl phthalate	ND	H	310	27	ug/Kg		05/02/17 14:16	05/06/17 01:14	1
Di-n-octyl phthalate	ND	H	310	13	ug/Kg		05/02/17 14:16	05/06/17 01:14	1
Fluoranthene	ND	H	310	34	ug/Kg		05/02/17 14:16	05/06/17 01:14	1
Fluorene	ND	H	310	17	ug/Kg		05/02/17 14:16	05/06/17 01:14	1
Hexachlorobenzene	ND	H	310	27	ug/Kg		05/02/17 14:16	05/06/17 01:14	1
Hexachlorobutadiene	ND	H	310	9.3	ug/Kg		05/02/17 14:16	05/06/17 01:14	1
Hexachlorocyclopentadiene	ND	H	1500	47	ug/Kg		05/02/17 14:16	05/06/17 01:14	1
Hexachloroethane	ND	H	310	20	ug/Kg		05/02/17 14:16	05/06/17 01:14	1
Indeno[1,2,3-cd]pyrene	ND	H	310	21	ug/Kg		05/02/17 14:16	05/06/17 01:14	1
Isophorone	ND	H	310	16	ug/Kg		05/02/17 14:16	05/06/17 01:14	1
Naphthalene	ND	H	310	29	ug/Kg		05/02/17 14:16	05/06/17 01:14	1
Nitrobenzene	ND	H	310	21	ug/Kg		05/02/17 14:16	05/06/17 01:14	1
N-Nitrosodi-n-propylamine	ND	H	310	29	ug/Kg		05/02/17 14:16	05/06/17 01:14	1
n-Nitrosodiphenylamine(as diphenylamine)	ND	H	310	20	ug/Kg		05/02/17 14:16	05/06/17 01:14	1
Pentachlorophenol	ND	H	1500	310	ug/Kg		05/02/17 14:16	05/06/17 01:14	1
Phenanthrene	ND	H	310	16	ug/Kg		05/02/17 14:16	05/06/17 01:14	1
Phenol	ND	H	310	17	ug/Kg		05/02/17 14:16	05/06/17 01:14	1
Pyrene	**19**	**J H**	310	11	ug/Kg		05/02/17 14:16	05/06/17 01:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*83*		*24 - 135*	*05/02/17 14:16*	*05/06/17 01:14*	*1*
2-Fluorobiphenyl	*67*		*33 - 135*	*05/02/17 14:16*	*05/06/17 01:14*	*1*
2-Fluorophenol	*72*		*39 - 135*	*05/02/17 14:16*	*05/06/17 01:14*	*1*
Nitrobenzene-d5	*68*		*32 - 135*	*05/02/17 14:16*	*05/06/17 01:14*	*1*
Phenol-d5	*73*		*39 - 135*	*05/02/17 14:16*	*05/06/17 01:14*	*1*
Terphenyl-d14	*79*		*30 - 135*	*05/02/17 14:16*	*05/06/17 01:14*	*1*

Client Sample ID: ST-SO-DUP2 — **Lab Sample ID: 280-95601-18**
Date Collected: 04/06/17 00:00 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND	H	330	50	ug/Kg		05/02/17 14:16	05/06/17 01:40	1
1,2,4,5-Tetrachlorobenzene	ND	H	330	49	ug/Kg		05/02/17 14:16	05/06/17 01:40	1
1,2,4-Trichlorobenzene	ND	H	330	28	ug/Kg		05/02/17 14:16	05/06/17 01:40	1
1,2-Dichlorobenzene	ND	H	330	22	ug/Kg		05/02/17 14:16	05/06/17 01:40	1
1,3-Dichlorobenzene	ND	H	330	12	ug/Kg		05/02/17 14:16	05/06/17 01:40	1
1,4-Dichlorobenzene	ND	H	330	13	ug/Kg		05/02/17 14:16	05/06/17 01:40	1
1,4-Dioxane	ND	H	650	65	ug/Kg		05/02/17 14:16	05/06/17 01:40	1
2,2'-oxybis[1-chloropropane]	ND	H	330	23	ug/Kg		05/02/17 14:16	05/06/17 01:40	1
2,3,4,6-Tetrachlorophenol	ND	H	1600	140	ug/Kg		05/02/17 14:16	05/06/17 01:40	1
2,4,5-Trichlorophenol	ND	H	330	9.9	ug/Kg		05/02/17 14:16	05/06/17 01:40	1
2,4,6-Trichlorophenol	ND	H	330	9.9	ug/Kg		05/02/17 14:16	05/06/17 01:40	1
2,4-Dichlorophenol	ND	H	330	9.9	ug/Kg		05/02/17 14:16	05/06/17 01:40	1
2,4-Dimethylphenol	ND	H	330	65	ug/Kg		05/02/17 14:16	05/06/17 01:40	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: ST-SO-DUP2
Date Collected: 04/06/17 00:00
Date Received: 04/06/17 16:20

Lab Sample ID: 280-95601-18
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrophenol	ND	H	1600	330	ug/Kg		05/02/17 14:16	05/06/17 01:40	1
2,4-Dinitrotoluene	ND	H	330	65	ug/Kg		05/02/17 14:16	05/06/17 01:40	1
2,6-Dinitrotoluene	ND	H	330	28	ug/Kg		05/02/17 14:16	05/06/17 01:40	1
2-Chloronaphthalene	ND	H	330	9.9	ug/Kg		05/02/17 14:16	05/06/17 01:40	1
2-Chlorophenol	ND	H	330	21	ug/Kg		05/02/17 14:16	05/06/17 01:40	1
2-Methylnaphthalene	ND	H	330	19	ug/Kg		05/02/17 14:16	05/06/17 01:40	1
2-Methylphenol	ND	H	330	13	ug/Kg		05/02/17 14:16	05/06/17 01:40	1
2-Nitroaniline	ND	H	1600	50	ug/Kg		05/02/17 14:16	05/06/17 01:40	1
2-Nitrophenol	ND	H	330	9.9	ug/Kg		05/02/17 14:16	05/06/17 01:40	1
3 & 4 Methylphenol	ND	H	330	33	ug/Kg		05/02/17 14:16	05/06/17 01:40	1
3,3'-Dichlorobenzidine	ND	H	650	89	ug/Kg		05/02/17 14:16	05/06/17 01:40	1
3-Nitroaniline	ND	H	1600	72	ug/Kg		05/02/17 14:16	05/06/17 01:40	1
4,6-Dinitro-2-methylphenol	ND	H	1600	330	ug/Kg		05/02/17 14:16	05/06/17 01:40	1
4-Bromophenyl phenyl ether	ND	H	330	19	ug/Kg		05/02/17 14:16	05/06/17 01:40	1
4-Chloro-3-methylphenol	ND	H	330	65	ug/Kg		05/02/17 14:16	05/06/17 01:40	1
4-Chloroaniline	ND	H	330	81	ug/Kg		05/02/17 14:16	05/06/17 01:40	1
4-Chlorophenyl phenyl ether	ND	H	330	21	ug/Kg		05/02/17 14:16	05/06/17 01:40	1
4-Nitroaniline	ND	H	1600	72	ug/Kg		05/02/17 14:16	05/06/17 01:40	1
4-Nitrophenol	ND	H	1600	96	ug/Kg		05/02/17 14:16	05/06/17 01:40	1
Acenaphthene	ND	H	330	10	ug/Kg		05/02/17 14:16	05/06/17 01:40	1
Acenaphthylene	ND	H	330	17	ug/Kg		05/02/17 14:16	05/06/17 01:40	1
Acetophenone	ND	H	330	20	ug/Kg		05/02/17 14:16	05/06/17 01:40	1
Anthracene	ND	H	330	17	ug/Kg		05/02/17 14:16	05/06/17 01:40	1
Atrazine	ND	H	330	37	ug/Kg		05/02/17 14:16	05/06/17 01:40	1
Benzaldehyde	ND	H	330	66	ug/Kg		05/02/17 14:16	05/06/17 01:40	1
Benzo[a]anthracene	ND	H	330	20	ug/Kg		05/02/17 14:16	05/06/17 01:40	1
Benzo[a]pyrene	ND	H	330	20	ug/Kg		05/02/17 14:16	05/06/17 01:40	1
Benzo[b]fluoranthene	ND	H	330	26	ug/Kg		05/02/17 14:16	05/06/17 01:40	1
Benzo[g,h,i]perylene	ND	H	330	16	ug/Kg		05/02/17 14:16	05/06/17 01:40	1
Benzo[k]fluoranthene	ND	H	330	40	ug/Kg		05/02/17 14:16	05/06/17 01:40	1
Bis(2-chloroethoxy)methane	ND	H	330	23	ug/Kg		05/02/17 14:16	05/06/17 01:40	1
Bis(2-chloroethyl)ether	ND	H	330	16	ug/Kg		05/02/17 14:16	05/06/17 01:40	1
Bis(2-ethylhexyl) phthalate	ND	H	330	46	ug/Kg		05/02/17 14:16	05/06/17 01:40	1
Butyl benzyl phthalate	ND	H	330	43	ug/Kg		05/02/17 14:16	05/06/17 01:40	1
Caprolactam	ND	H	1600	100	ug/Kg		05/02/17 14:16	05/06/17 01:40	1
Carbazole	ND	H	330	36	ug/Kg		05/02/17 14:16	05/06/17 01:40	1
Chrysene	ND	H	330	27	ug/Kg		05/02/17 14:16	05/06/17 01:40	1
Dibenz(a,h)anthracene	ND	H	330	19	ug/Kg		05/02/17 14:16	05/06/17 01:40	1
Dibenzofuran	ND	H	330	20	ug/Kg		05/02/17 14:16	05/06/17 01:40	1
Diethyl phthalate	ND	H	650	26	ug/Kg		05/02/17 14:16	05/06/17 01:40	1
Dimethyl phthalate	ND	H	330	23	ug/Kg		05/02/17 14:16	05/06/17 01:40	1
Di-n-butyl phthalate	ND	H	330	29	ug/Kg		05/02/17 14:16	05/06/17 01:40	1
Di-n-octyl phthalate	ND	H	330	14	ug/Kg		05/02/17 14:16	05/06/17 01:40	1
Fluoranthene	ND	H	330	36	ug/Kg		05/02/17 14:16	05/06/17 01:40	1
Fluorene	ND	H	330	18	ug/Kg		05/02/17 14:16	05/06/17 01:40	1
Hexachlorobenzene	ND	H	330	29	ug/Kg		05/02/17 14:16	05/06/17 01:40	1
Hexachlorobutadiene	ND	H	330	9.9	ug/Kg		05/02/17 14:16	05/06/17 01:40	1
Hexachlorocyclopentadiene	ND	H	1600	50	ug/Kg		05/02/17 14:16	05/06/17 01:40	1
Hexachloroethane	ND	H	330	21	ug/Kg		05/02/17 14:16	05/06/17 01:40	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: ST-SO-DUP2 — **Lab Sample ID: 280-95601-18**
Date Collected: 04/06/17 00:00 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	ND	H	330	22	ug/Kg		05/02/17 14:16	05/06/17 01:40	1
Isophorone	ND	H	330	17	ug/Kg		05/02/17 14:16	05/06/17 01:40	1
Naphthalene	ND	H	330	31	ug/Kg		05/02/17 14:16	05/06/17 01:40	1
Nitrobenzene	ND	H	330	22	ug/Kg		05/02/17 14:16	05/06/17 01:40	1
N-Nitrosodi-n-propylamine	ND	H	330	31	ug/Kg		05/02/17 14:16	05/06/17 01:40	1
n-Nitrosodiphenylamine(as diphenylamine)	ND	H	330	21	ug/Kg		05/02/17 14:16	05/06/17 01:40	1
Pentachlorophenol	ND	H	1600	330	ug/Kg		05/02/17 14:16	05/06/17 01:40	1
Phenanthrene	ND	H	330	17	ug/Kg		05/02/17 14:16	05/06/17 01:40	1
Phenol	ND	H	330	18	ug/Kg		05/02/17 14:16	05/06/17 01:40	1
Pyrene	**18**	**J H**	330	12	ug/Kg		05/02/17 14:16	05/06/17 01:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*89*		*24 - 135*	*05/02/17 14:16*	*05/06/17 01:40*	*1*
2-Fluorobiphenyl	*66*		*33 - 135*	*05/02/17 14:16*	*05/06/17 01:40*	*1*
2-Fluorophenol	*66*		*39 - 135*	*05/02/17 14:16*	*05/06/17 01:40*	*1*
Nitrobenzene-d5	*62*		*32 - 135*	*05/02/17 14:16*	*05/06/17 01:40*	*1*
Phenol-d5	*70*		*39 - 135*	*05/02/17 14:16*	*05/06/17 01:40*	*1*
Terphenyl-d14	*86*		*30 - 135*	*05/02/17 14:16*	*05/06/17 01:40*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS) - RE

Client Sample ID: NA-EB-20170406 — **Lab Sample ID: 280-95601-1**
Date Collected: 04/06/17 09:00 — **Matrix: Water**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND	H	11	1.9	ug/L		05/05/17 14:33	05/09/17 22:22	1
1,2,4,5-Tetrachlorobenzene	ND	H	11	1.9	ug/L		05/05/17 14:33	05/09/17 22:22	1
1,2,4-Trichlorobenzene	ND	H	4.4	0.31	ug/L		05/05/17 14:33	05/09/17 22:22	1
1,2-Dichlorobenzene	ND	H	4.4	0.25	ug/L		05/05/17 14:33	05/09/17 22:22	1
1,3-Dichlorobenzene	ND	H	11	0.33	ug/L		05/05/17 14:33	05/09/17 22:22	1
1,4-Dichlorobenzene	ND	H	4.4	0.35	ug/L		05/05/17 14:33	05/09/17 22:22	1
1,4-Dioxane	ND	H	22	1.9	ug/L		05/05/17 14:33	05/09/17 22:22	1
2,2'-oxybis[1-chloropropane]	ND	H	11	0.31	ug/L		05/05/17 14:33	05/09/17 22:22	1
2,3,4,6-Tetrachlorophenol	ND	H	55	2.2	ug/L		05/05/17 14:33	05/09/17 22:22	1
2,4,5-Trichlorophenol	ND	H	11	0.50	ug/L		05/05/17 14:33	05/09/17 22:22	1
2,4,6-Trichlorophenol	ND	H	11	0.32	ug/L		05/05/17 14:33	05/09/17 22:22	1
2,4-Dichlorophenol	ND	H	11	0.71	ug/L		05/05/17 14:33	05/09/17 22:22	1
2,4-Dimethylphenol	ND	H	11	0.64	ug/L		05/05/17 14:33	05/09/17 22:22	1
2,4-Dinitrophenol	ND	H	33	11	ug/L		05/05/17 14:33	05/09/17 22:22	1
2,4-Dinitrotoluene	ND	H	11	1.8	ug/L		05/05/17 14:33	05/09/17 22:22	1
2,6-Dinitrotoluene	ND	H	11	2.1	ug/L		05/05/17 14:33	05/09/17 22:22	1
2-Chloronaphthalene	ND	H	4.4	0.29	ug/L		05/05/17 14:33	05/09/17 22:22	1
2-Chlorophenol	ND	H	11	2.2	ug/L		05/05/17 14:33	05/09/17 22:22	1
2-Methylnaphthalene	ND	H	4.4	0.32	ug/L		05/05/17 14:33	05/09/17 22:22	1
2-Methylphenol	ND	H	11	1.1	ug/L		05/05/17 14:33	05/09/17 22:22	1
2-Nitroaniline	ND	H	11	1.9	ug/L		05/05/17 14:33	05/09/17 22:22	1
2-Nitrophenol	ND	H	11	0.43	ug/L		05/05/17 14:33	05/09/17 22:22	1
3 & 4 Methylphenol	ND	H	11	0.28	ug/L		05/05/17 14:33	05/09/17 22:22	1
3,3'-Dichlorobenzidine	ND	H	55	2.2	ug/L		05/05/17 14:33	05/09/17 22:22	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) - RE (Continued)

Client Sample ID: NA-EB-20170406
Date Collected: 04/06/17 09:00
Date Received: 04/06/17 16:20

Lab Sample ID: 280-95601-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND	H	11	2.2	ug/L		05/05/17 14:33	05/09/17 22:22	1
4,6-Dinitro-2-methylphenol	ND	H	55	4.4	ug/L		05/05/17 14:33	05/09/17 22:22	1
4-Bromophenyl phenyl ether	ND	H	11	0.48	ug/L		05/05/17 14:33	05/09/17 22:22	1
4-Chloro-3-methylphenol	ND	H	11	2.7	ug/L		05/05/17 14:33	05/09/17 22:22	1
4-Chloroaniline	ND	H	11	2.4	ug/L		05/05/17 14:33	05/09/17 22:22	1
4-Chlorophenyl phenyl ether	ND	H	11	1.8	ug/L		05/05/17 14:33	05/09/17 22:22	1
4-Nitroaniline	ND	H	11	2.2	ug/L		05/05/17 14:33	05/09/17 22:22	1
4-Nitrophenol	ND	H	11	1.4	ug/L		05/05/17 14:33	05/09/17 22:22	1
Acenaphthene	ND	H	4.4	0.31	ug/L		05/05/17 14:33	05/09/17 22:22	1
Acenaphthylene	ND	H	4.4	0.54	ug/L		05/05/17 14:33	05/09/17 22:22	1
Acetophenone	ND	H	11	0.27	ug/L		05/05/17 14:33	05/09/17 22:22	1
Anthracene	ND	H	4.4	0.46	ug/L		05/05/17 14:33	05/09/17 22:22	1
Atrazine	ND	H	11	0.81	ug/L		05/05/17 14:33	05/09/17 22:22	1
Benzaldehyde	ND	H	11	2.2	ug/L		05/05/17 14:33	05/09/17 22:22	1
Benzo[a]anthracene	ND	H	4.4	0.39	ug/L		05/05/17 14:33	05/09/17 22:22	1
Benzo[a]pyrene	ND	H	4.4	0.34	ug/L		05/05/17 14:33	05/09/17 22:22	1
Benzo[b]fluoranthene	ND	H	4.4	0.59	ug/L		05/05/17 14:33	05/09/17 22:22	1
Benzo[g,h,i]perylene	ND	H	4.4	0.55	ug/L		05/05/17 14:33	05/09/17 22:22	1
Benzo[k]fluoranthene	ND	H	4.4	0.51	ug/L		05/05/17 14:33	05/09/17 22:22	1
Bis(2-chloroethoxy)methane	ND	H	11	1.1	ug/L		05/05/17 14:33	05/09/17 22:22	1
Bis(2-chloroethyl)ether	ND	H	11	0.45	ug/L		05/05/17 14:33	05/09/17 22:22	1
Bis(2-ethylhexyl) phthalate	ND	H	11	0.62	ug/L		05/05/17 14:33	05/09/17 22:22	1
Butyl benzyl phthalate	ND	H	4.4	1.1	ug/L		05/05/17 14:33	05/09/17 22:22	1
Caprolactam	ND	H	11	5.5	ug/L		05/05/17 14:33	05/09/17 22:22	1
Carbazole	ND	H	4.4	0.48	ug/L		05/05/17 14:33	05/09/17 22:22	1
Chrysene	ND	H	4.4	0.60	ug/L		05/05/17 14:33	05/09/17 22:22	1
Dibenz(a,h)anthracene	ND	H	4.4	0.56	ug/L		05/05/17 14:33	05/09/17 22:22	1
Dibenzofuran	ND	H	4.4	0.32	ug/L		05/05/17 14:33	05/09/17 22:22	1
Diethyl phthalate	ND	H	4.4	0.42	ug/L		05/05/17 14:33	05/09/17 22:22	1
Dimethyl phthalate	ND	H	4.4	0.23	ug/L		05/05/17 14:33	05/09/17 22:22	1
Di-n-butyl phthalate	ND	H	4.4	1.3	ug/L		05/05/17 14:33	05/09/17 22:22	1
Di-n-octyl phthalate	ND	H	4.4	0.39	ug/L		05/05/17 14:33	05/09/17 22:22	1
Fluoranthene	ND	H	4.4	0.22	ug/L		05/05/17 14:33	05/09/17 22:22	1
Fluorene	ND	H	4.4	0.34	ug/L		05/05/17 14:33	05/09/17 22:22	1
Hexachlorobenzene	ND	H	11	0.73	ug/L		05/05/17 14:33	05/09/17 22:22	1
Hexachlorobutadiene	ND	H	11	3.6	ug/L		05/05/17 14:33	05/09/17 22:22	1
Hexachlorocyclopentadiene	ND	H	55	11	ug/L		05/05/17 14:33	05/09/17 22:22	1
Hexachloroethane	ND	H	11	2.3	ug/L		05/05/17 14:33	05/09/17 22:22	1
Indeno[1,2,3-cd]pyrene	ND	H	4.4	0.72	ug/L		05/05/17 14:33	05/09/17 22:22	1
Isophorone	ND	H	11	0.23	ug/L		05/05/17 14:33	05/09/17 22:22	1
Naphthalene	ND	H	4.4	0.32	ug/L		05/05/17 14:33	05/09/17 22:22	1
Nitrobenzene	ND	H	11	0.90	ug/L		05/05/17 14:33	05/09/17 22:22	1
N-Nitrosodi-n-propylamine	ND	H	11	0.39	ug/L		05/05/17 14:33	05/09/17 22:22	1
n-Nitrosodiphenylamine(as diphenylamine)	ND	H	11	0.49	ug/L		05/05/17 14:33	05/09/17 22:22	1
Pentachlorophenol	ND	H	55	22	ug/L		05/05/17 14:33	05/09/17 22:22	1
Phenanthrene	ND	H	4.4	0.29	ug/L		05/05/17 14:33	05/09/17 22:22	1
Phenol	ND	H	11	2.2	ug/L		05/05/17 14:33	05/09/17 22:22	1
Pyrene	ND	H	11	0.41	ug/L		05/05/17 14:33	05/09/17 22:22	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) - RE (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	65		48 - 135	05/05/17 14:33	05/09/17 22:22	1
2-Fluorobiphenyl	61		48 - 135	05/05/17 14:33	05/09/17 22:22	1
2-Fluorophenol	61		41 - 135	05/05/17 14:33	05/09/17 22:22	1
Nitrobenzene-d5	58		42 - 135	05/05/17 14:33	05/09/17 22:22	1
Phenol-d5	59		46 - 135	05/05/17 14:33	05/09/17 22:22	1
Terphenyl-d14	88		20 - 135	05/05/17 14:33	05/09/17 22:22	1

Client Sample ID: ST-EB-20170406
Date Collected: 04/06/17 11:40
Date Received: 04/06/17 16:20

Lab Sample ID: 280-95601-12
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND	H	10	1.8	ug/L		05/05/17 14:33	05/09/17 22:51	1
1,2,4,5-Tetrachlorobenzene	ND	H	10	1.8	ug/L		05/05/17 14:33	05/09/17 22:51	1
1,2,4-Trichlorobenzene	ND	H	4.1	0.29	ug/L		05/05/17 14:33	05/09/17 22:51	1
1,2-Dichlorobenzene	ND	H	4.1	0.23	ug/L		05/05/17 14:33	05/09/17 22:51	1
1,3-Dichlorobenzene	ND	H	10	0.31	ug/L		05/05/17 14:33	05/09/17 22:51	1
1,4-Dichlorobenzene	ND	H	4.1	0.33	ug/L		05/05/17 14:33	05/09/17 22:51	1
1,4-Dioxane	ND	H	20	1.7	ug/L		05/05/17 14:33	05/09/17 22:51	1
2,2'-oxybis[1-chloropropane]	ND	H	10	0.29	ug/L		05/05/17 14:33	05/09/17 22:51	1
2,3,4,6-Tetrachlorophenol	ND	H	51	2.0	ug/L		05/05/17 14:33	05/09/17 22:51	1
2,4,5-Trichlorophenol	ND	H	10	0.46	ug/L		05/05/17 14:33	05/09/17 22:51	1
2,4,6-Trichlorophenol	ND	H	10	0.30	ug/L		05/05/17 14:33	05/09/17 22:51	1
2,4-Dichlorophenol	ND	H	10	0.65	ug/L		05/05/17 14:33	05/09/17 22:51	1
2,4-Dimethylphenol	ND	H	10	0.59	ug/L		05/05/17 14:33	05/09/17 22:51	1
2,4-Dinitrophenol	ND	H	31	10	ug/L		05/05/17 14:33	05/09/17 22:51	1
2,4-Dinitrotoluene	ND	H	10	1.7	ug/L		05/05/17 14:33	05/09/17 22:51	1
2,6-Dinitrotoluene	ND	H	10	1.9	ug/L		05/05/17 14:33	05/09/17 22:51	1
2-Chloronaphthalene	ND	H	4.1	0.27	ug/L		05/05/17 14:33	05/09/17 22:51	1
2-Chlorophenol	ND	H	10	2.0	ug/L		05/05/17 14:33	05/09/17 22:51	1
2-Methylnaphthalene	ND	H	4.1	0.30	ug/L		05/05/17 14:33	05/09/17 22:51	1
2-Methylphenol	ND	H	10	1.0	ug/L		05/05/17 14:33	05/09/17 22:51	1
2-Nitroaniline	ND	H	10	1.8	ug/L		05/05/17 14:33	05/09/17 22:51	1
2-Nitrophenol	ND	H	10	0.40	ug/L		05/05/17 14:33	05/09/17 22:51	1
3 & 4 Methylphenol	ND	H	10	0.25	ug/L		05/05/17 14:33	05/09/17 22:51	1
3,3'-Dichlorobenzidine	ND	H	51	2.0	ug/L		05/05/17 14:33	05/09/17 22:51	1
3-Nitroaniline	ND	H	10	2.0	ug/L		05/05/17 14:33	05/09/17 22:51	1
4,6-Dinitro-2-methylphenol	ND	H	51	4.1	ug/L		05/05/17 14:33	05/09/17 22:51	1
4-Bromophenyl phenyl ether	ND	H	10	0.44	ug/L		05/05/17 14:33	05/09/17 22:51	1
4-Chloro-3-methylphenol	ND	H	10	2.5	ug/L		05/05/17 14:33	05/09/17 22:51	1
4-Chloroaniline	ND	H	10	2.2	ug/L		05/05/17 14:33	05/09/17 22:51	1
4-Chlorophenyl phenyl ether	ND	H	10	1.7	ug/L		05/05/17 14:33	05/09/17 22:51	1
4-Nitroaniline	ND	H	10	2.0	ug/L		05/05/17 14:33	05/09/17 22:51	1
4-Nitrophenol	ND	H	10	1.3	ug/L		05/05/17 14:33	05/09/17 22:51	1
Acenaphthene	ND	H	4.1	0.29	ug/L		05/05/17 14:33	05/09/17 22:51	1
Acenaphthylene	ND	H	4.1	0.50	ug/L		05/05/17 14:33	05/09/17 22:51	1
Acetophenone	ND	H	10	0.24	ug/L		05/05/17 14:33	05/09/17 22:51	1
Anthracene	ND	H	4.1	0.43	ug/L		05/05/17 14:33	05/09/17 22:51	1
Atrazine	ND	H	10	0.74	ug/L		05/05/17 14:33	05/09/17 22:51	1
Benzaldehyde	ND	H	10	2.0	ug/L		05/05/17 14:33	05/09/17 22:51	1
Benzo[a]anthracene	ND	H	4.1	0.36	ug/L		05/05/17 14:33	05/09/17 22:51	1
Benzo[a]pyrene	ND	H	4.1	0.32	ug/L		05/05/17 14:33	05/09/17 22:51	1
Benzo[b]fluoranthene	ND	H	4.1	0.54	ug/L		05/05/17 14:33	05/09/17 22:51	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) - RE (Continued)

Client Sample ID: ST-EB-20170406 — **Lab Sample ID: 280-95601-12**
Date Collected: 04/06/17 11:40 — **Matrix: Water**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND	H	4.1	0.51	ug/L		05/05/17 14:33	05/09/17 22:51	1
Benzo[k]fluoranthene	ND	H	4.1	0.47	ug/L		05/05/17 14:33	05/09/17 22:51	1
Bis(2-chloroethoxy)methane	ND	H	10	0.99	ug/L		05/05/17 14:33	05/09/17 22:51	1
Bis(2-chloroethyl)ether	ND	H	10	0.42	ug/L		05/05/17 14:33	05/09/17 22:51	1
Bis(2-ethylhexyl) phthalate	ND	H	10	0.57	ug/L		05/05/17 14:33	05/09/17 22:51	1
Butyl benzyl phthalate	ND	H	4.1	1.0	ug/L		05/05/17 14:33	05/09/17 22:51	1
Caprolactam	ND	H	10	5.1	ug/L		05/05/17 14:33	05/09/17 22:51	1
Carbazole	ND	H	4.1	0.44	ug/L		05/05/17 14:33	05/09/17 22:51	1
Chrysene	ND	H	4.1	0.55	ug/L		05/05/17 14:33	05/09/17 22:51	1
Dibenz(a,h)anthracene	ND	H	4.1	0.52	ug/L		05/05/17 14:33	05/09/17 22:51	1
Dibenzofuran	ND	H	4.1	0.30	ug/L		05/05/17 14:33	05/09/17 22:51	1
Diethyl phthalate	ND	H	4.1	0.39	ug/L		05/05/17 14:33	05/09/17 22:51	1
Dimethyl phthalate	ND	H	4.1	0.21	ug/L		05/05/17 14:33	05/09/17 22:51	1
Di-n-butyl phthalate	ND	H	4.1	1.2	ug/L		05/05/17 14:33	05/09/17 22:51	1
Di-n-octyl phthalate	ND	H	4.1	0.36	ug/L		05/05/17 14:33	05/09/17 22:51	1
Fluoranthene	ND	H	4.1	0.20	ug/L		05/05/17 14:33	05/09/17 22:51	1
Fluorene	ND	H	4.1	0.32	ug/L		05/05/17 14:33	05/09/17 22:51	1
Hexachlorobenzene	ND	H	10	0.67	ug/L		05/05/17 14:33	05/09/17 22:51	1
Hexachlorobutadiene	ND	H	10	3.4	ug/L		05/05/17 14:33	05/09/17 22:51	1
Hexachlorocyclopentadiene	ND	H	51	10	ug/L		05/05/17 14:33	05/09/17 22:51	1
Hexachloroethane	ND	H	10	2.1	ug/L		05/05/17 14:33	05/09/17 22:51	1
Indeno[1,2,3-cd]pyrene	ND	H	4.1	0.66	ug/L		05/05/17 14:33	05/09/17 22:51	1
Isophorone	ND	H	10	0.21	ug/L		05/05/17 14:33	05/09/17 22:51	1
Naphthalene	ND	H	4.1	0.30	ug/L		05/05/17 14:33	05/09/17 22:51	1
Nitrobenzene	ND	H	10	0.83	ug/L		05/05/17 14:33	05/09/17 22:51	1
N-Nitrosodi-n-propylamine	ND	H	10	0.36	ug/L		05/05/17 14:33	05/09/17 22:51	1
n-Nitrosodiphenylamine(as diphenylamine)	ND	H	10	0.45	ug/L		05/05/17 14:33	05/09/17 22:51	1
Pentachlorophenol	ND	H	51	20	ug/L		05/05/17 14:33	05/09/17 22:51	1
Phenanthrene	ND	H	4.1	0.27	ug/L		05/05/17 14:33	05/09/17 22:51	1
Phenol	ND	H	10	2.0	ug/L		05/05/17 14:33	05/09/17 22:51	1
Pyrene	ND	H	10	0.38	ug/L		05/05/17 14:33	05/09/17 22:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*67*		*48 - 135*	*05/05/17 14:33*	*05/09/17 22:51*	*1*
2-Fluorobiphenyl	*65*		*48 - 135*	*05/05/17 14:33*	*05/09/17 22:51*	*1*
2-Fluorophenol	*62*		*41 - 135*	*05/05/17 14:33*	*05/09/17 22:51*	*1*
Nitrobenzene-d5	*61*		*42 - 135*	*05/05/17 14:33*	*05/09/17 22:51*	*1*
Phenol-d5	*60*		*46 - 135*	*05/05/17 14:33*	*05/09/17 22:51*	*1*
Terphenyl-d14	*97*		*20 - 135*	*05/05/17 14:33*	*05/09/17 22:51*	*1*

General Chemistry - Soluble

Client Sample ID: ST-SO-01-00-01 — **Lab Sample ID: 280-95601-13**
Date Collected: 04/06/17 12:00 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH adj. to 25 deg C	**8.3**	**HF**	0.1	0.1	SU			05/03/17 17:25	1
Temperature	**20.7**	**HF**	1.0	1.0	Degrees C			05/03/17 17:25	1

General Chemistry - Soluble

Client Sample ID: ST-SO-01-01-09 — **Lab Sample ID: 280-95601-14**
Date Collected: 04/06/17 12:10 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH adj. to 25 deg C	8.3	HF	0.1	0.1	SU			05/03/17 17:25	1
Temperature	20.8	HF	1.0	1.0	Degrees C			05/03/17 17:25	1

Client Sample ID: ST-SO-01-09-18 — **Lab Sample ID: 280-95601-15**
Date Collected: 04/06/17 12:35 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH adj. to 25 deg C	8.3	HF	0.1	0.1	SU			05/03/17 17:25	1
Temperature	20.7	HF	1.0	1.0	Degrees C			05/03/17 17:25	1

Client Sample ID: ST-SO-DUP2 — **Lab Sample ID: 280-95601-18**
Date Collected: 04/06/17 00:00 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH adj. to 25 deg C	8.4	HF	0.1	0.1	SU			05/03/17 17:25	1
Temperature	20.8	HF	1.0	1.0	Degrees C			05/03/17 17:25	1

Surrogate Summary

Client: Weston Solutions, Inc.
Project/Site: Denver Urban Garden, JPS

TestAmerica Job ID: 280-95601-2

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPH
Lab Sample ID	Client Sample ID	(24-135)	(33-135)	(39-135)	(32-135)	(39-135)	(30-135)
280-95601-2	NA-SO-01-00-01	90	74	77	73	77	89
280-95601-3	NA-SO-01-01-09	80	69	73	70	72	77
280-95601-4	NA-SO-01-09-18	77	68	71	68	71	78
280-95601-6	NA-SO-02-00-01	81	63	67	62	68	76
280-95601-7	NA-SO-02-01-09	79	68	73	68	74	76
280-95601-7 MS	NA-SO-02-01-09	78	63	70	68	70	74
280-95601-7 MSD	NA-SO-02-01-09	83	70	76	73	76	77
280-95601-8	NA-SO-02-09-18	83	68	75	70	75	82
280-95601-10	NA-SO-DUP1	90	70	71	68	72	87
280-95601-13	ST-SO-01-00-01	85	70	76	72	75	80
280-95601-14	ST-SO-01-01-09	86	71	77	74	77	81
280-95601-14 MS	ST-SO-01-01-09	79	56	52	51	56	80
280-95601-14 MSD	ST-SO-01-01-09	89	69	74	70	74	82
280-95601-15	ST-SO-01-09-18	83	67	72	68	73	79
280-95601-18	ST-SO-DUP2	89	66	66	62	70	86
LCS 280-371771/2-A	Lab Control Sample	83	72	73	72	74	80
MB 280-371771/1-A	Method Blank	86	82	86	84	86	99

Surrogate Legend

TBP = 2,4,6-Tribromophenol
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
PHL = Phenol-d5
TPH = Terphenyl-d14

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPH
Lab Sample ID	Client Sample ID	(48-135)	(48-135)	(41-135)	(42-135)	(46-135)	(20-135)
280-95601-1	NA-EB-20170406	68	68	68	68	66	85
280-95601-1 - RE	NA-EB-20170406	65	61	61	58	59	88
280-95601-12	ST-EB-20170406	75	77	75	76	72	92
280-95601-12 - RE	ST-EB-20170406	67	65	62	61	60	97
LCS 280-371530/2-A	Lab Control Sample	87	85	75	80	77	93
LCS 280-372417/2-A	Lab Control Sample	84	80	74	77	75	90
LCSD 280-371530/5-A	Lab Control Sample Dup	91	91	85	86	86	104
MB 280-371530/1-A	Method Blank	88	89	87	87	85	97
MB 280-372417/1-A	Method Blank	79	81	84	79	80	98

Surrogate Legend

TBP = 2,4,6-Tribromophenol
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
PHL = Phenol-d5
TPH = Terphenyl-d14

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 280-371530/1-A
Matrix: Water
Analysis Batch: 372066

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 371530

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		10	1.8	ug/L		04/30/17 08:06	05/03/17 16:22	1
1,2,4,5-Tetrachlorobenzene	ND		10	1.7	ug/L		04/30/17 08:06	05/03/17 16:22	1
1,2,4-Trichlorobenzene	ND		4.0	0.28	ug/L		04/30/17 08:06	05/03/17 16:22	1
1,2-Dichlorobenzene	ND		4.0	0.23	ug/L		04/30/17 08:06	05/03/17 16:22	1
1,3-Dichlorobenzene	ND		10	0.30	ug/L		04/30/17 08:06	05/03/17 16:22	1
1,4-Dichlorobenzene	ND		4.0	0.32	ug/L		04/30/17 08:06	05/03/17 16:22	1
1,4-Dioxane	ND		20	1.7	ug/L		04/30/17 08:06	05/03/17 16:22	1
2,2'-oxybis[1-chloropropane]	ND		10	0.28	ug/L		04/30/17 08:06	05/03/17 16:22	1
2,3,4,6-Tetrachlorophenol	ND		50	2.0	ug/L		04/30/17 08:06	05/03/17 16:22	1
2,4,5-Trichlorophenol	ND		10	0.45	ug/L		04/30/17 08:06	05/03/17 16:22	1
2,4,6-Trichlorophenol	ND		10	0.29	ug/L		04/30/17 08:06	05/03/17 16:22	1
2,4-Dichlorophenol	ND		10	0.64	ug/L		04/30/17 08:06	05/03/17 16:22	1
2,4-Dimethylphenol	ND		10	0.58	ug/L		04/30/17 08:06	05/03/17 16:22	1
2,4-Dinitrophenol	ND		30	10	ug/L		04/30/17 08:06	05/03/17 16:22	1
2,4-Dinitrotoluene	ND		10	1.7	ug/L		04/30/17 08:06	05/03/17 16:22	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		04/30/17 08:06	05/03/17 16:22	1
2-Chloronaphthalene	ND		4.0	0.26	ug/L		04/30/17 08:06	05/03/17 16:22	1
2-Chlorophenol	ND		10	2.0	ug/L		04/30/17 08:06	05/03/17 16:22	1
2-Methylnaphthalene	ND		4.0	0.29	ug/L		04/30/17 08:06	05/03/17 16:22	1
2-Methylphenol	ND		10	0.98	ug/L		04/30/17 08:06	05/03/17 16:22	1
2-Nitroaniline	ND		10	1.7	ug/L		04/30/17 08:06	05/03/17 16:22	1
2-Nitrophenol	ND		10	0.39	ug/L		04/30/17 08:06	05/03/17 16:22	1
3 & 4 Methylphenol	ND		10	0.25	ug/L		04/30/17 08:06	05/03/17 16:22	1
3,3'-Dichlorobenzidine	ND		50	2.0	ug/L		04/30/17 08:06	05/03/17 16:22	1
3-Nitroaniline	ND		10	2.0	ug/L		04/30/17 08:06	05/03/17 16:22	1
4,6-Dinitro-2-methylphenol	ND		50	4.0	ug/L		04/30/17 08:06	05/03/17 16:22	1
4-Bromophenyl phenyl ether	ND		10	0.43	ug/L		04/30/17 08:06	05/03/17 16:22	1
4-Chloro-3-methylphenol	ND		10	2.4	ug/L		04/30/17 08:06	05/03/17 16:22	1
4-Chloroaniline	ND		10	2.1	ug/L		04/30/17 08:06	05/03/17 16:22	1
4-Chlorophenyl phenyl ether	ND		10	1.7	ug/L		04/30/17 08:06	05/03/17 16:22	1
4-Nitroaniline	ND		10	2.0	ug/L		04/30/17 08:06	05/03/17 16:22	1
4-Nitrophenol	ND		10	1.2	ug/L		04/30/17 08:06	05/03/17 16:22	1
Acenaphthene	ND		4.0	0.28	ug/L		04/30/17 08:06	05/03/17 16:22	1
Acenaphthylene	ND		4.0	0.49	ug/L		04/30/17 08:06	05/03/17 16:22	1
Acetophenone	ND		10	0.24	ug/L		04/30/17 08:06	05/03/17 16:22	1
Anthracene	ND		4.0	0.42	ug/L		04/30/17 08:06	05/03/17 16:22	1
Atrazine	ND		10	0.73	ug/L		04/30/17 08:06	05/03/17 16:22	1
Benzaldehyde	ND		10	2.0	ug/L		04/30/17 08:06	05/03/17 16:22	1
Benzo[a]anthracene	ND		4.0	0.35	ug/L		04/30/17 08:06	05/03/17 16:22	1
Benzo[a]pyrene	ND		4.0	0.31	ug/L		04/30/17 08:06	05/03/17 16:22	1
Benzo[b]fluoranthene	ND		4.0	0.53	ug/L		04/30/17 08:06	05/03/17 16:22	1
Benzo[g,h,i]perylene	ND		4.0	0.50	ug/L		04/30/17 08:06	05/03/17 16:22	1
Benzo[k]fluoranthene	ND		4.0	0.46	ug/L		04/30/17 08:06	05/03/17 16:22	1
Bis(2-chloroethoxy)methane	ND		10	0.97	ug/L		04/30/17 08:06	05/03/17 16:22	1
Bis(2-chloroethyl)ether	ND		10	0.41	ug/L		04/30/17 08:06	05/03/17 16:22	1
Bis(2-ethylhexyl) phthalate	ND		10	0.56	ug/L		04/30/17 08:06	05/03/17 16:22	1
Butyl benzyl phthalate	ND		4.0	1.0	ug/L		04/30/17 08:06	05/03/17 16:22	1
Caprolactam	ND		10	5.0	ug/L		04/30/17 08:06	05/03/17 16:22	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 280-371530/1-A
Matrix: Water
Analysis Batch: 372066

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 371530

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbazole	ND		4.0	0.43	ug/L		04/30/17 08:06	05/03/17 16:22	1
Chrysene	ND		4.0	0.54	ug/L		04/30/17 08:06	05/03/17 16:22	1
Dibenz(a,h)anthracene	ND		4.0	0.51	ug/L		04/30/17 08:06	05/03/17 16:22	1
Dibenzofuran	ND		4.0	0.29	ug/L		04/30/17 08:06	05/03/17 16:22	1
Diethyl phthalate	ND		4.0	0.38	ug/L		04/30/17 08:06	05/03/17 16:22	1
Dimethyl phthalate	ND		4.0	0.21	ug/L		04/30/17 08:06	05/03/17 16:22	1
Di-n-butyl phthalate	ND		4.0	1.2	ug/L		04/30/17 08:06	05/03/17 16:22	1
Di-n-octyl phthalate	ND		4.0	0.35	ug/L		04/30/17 08:06	05/03/17 16:22	1
Fluoranthene	ND		4.0	0.20	ug/L		04/30/17 08:06	05/03/17 16:22	1
Fluorene	ND		4.0	0.31	ug/L		04/30/17 08:06	05/03/17 16:22	1
Hexachlorobenzene	ND		10	0.66	ug/L		04/30/17 08:06	05/03/17 16:22	1
Hexachlorobutadiene	ND		10	3.3	ug/L		04/30/17 08:06	05/03/17 16:22	1
Hexachlorocyclopentadiene	ND		50	10	ug/L		04/30/17 08:06	05/03/17 16:22	1
Hexachloroethane	ND		10	2.1	ug/L		04/30/17 08:06	05/03/17 16:22	1
Indeno[1,2,3-cd]pyrene	ND		4.0	0.65	ug/L		04/30/17 08:06	05/03/17 16:22	1
Isophorone	ND		10	0.21	ug/L		04/30/17 08:06	05/03/17 16:22	1
Naphthalene	ND		4.0	0.29	ug/L		04/30/17 08:06	05/03/17 16:22	1
Nitrobenzene	ND		10	0.81	ug/L		04/30/17 08:06	05/03/17 16:22	1
N-Nitrosodi-n-propylamine	ND		10	0.35	ug/L		04/30/17 08:06	05/03/17 16:22	1
n-Nitrosodiphenylamine(as diphenylamine)	ND		10	0.44	ug/L		04/30/17 08:06	05/03/17 16:22	1
Pentachlorophenol	ND		50	20	ug/L		04/30/17 08:06	05/03/17 16:22	1
Phenanthrene	ND		4.0	0.26	ug/L		04/30/17 08:06	05/03/17 16:22	1
Phenol	ND		10	2.0	ug/L		04/30/17 08:06	05/03/17 16:22	1
Pyrene	ND		10	0.37	ug/L		04/30/17 08:06	05/03/17 16:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*88*		*48 - 135*	*04/30/17 08:06*	*05/03/17 16:22*	*1*
2-Fluorobiphenyl	*89*		*48 - 135*	*04/30/17 08:06*	*05/03/17 16:22*	*1*
2-Fluorophenol	*87*		*41 - 135*	*04/30/17 08:06*	*05/03/17 16:22*	*1*
Nitrobenzene-d5	*87*		*42 - 135*	*04/30/17 08:06*	*05/03/17 16:22*	*1*
Phenol-d5	*85*		*46 - 135*	*04/30/17 08:06*	*05/03/17 16:22*	*1*
Terphenyl-d14	*97*		*20 - 135*	*04/30/17 08:06*	*05/03/17 16:22*	*1*

Lab Sample ID: LCS 280-371530/2-A
Matrix: Water
Analysis Batch: 372066

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 371530

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4,5-Tetrachlorobenzene	80.0	69.2		ug/L		87	52 - 135
1,2,4-Trichlorobenzene	80.0	64.4		ug/L		80	44 - 135
1,2-Dichlorobenzene	80.0	57.8		ug/L		72	42 - 135
1,3-Dichlorobenzene	80.0	54.8		ug/L		68	39 - 135
1,4-Dichlorobenzene	80.0	56.5		ug/L		71	40 - 135
2,2'-oxybis[1-chloropropane]	80.0	60.2		ug/L		75	55 - 135
2,3,4,6-Tetrachlorophenol	80.0	71.3		ug/L		89	64 - 135
2,4,5-Trichlorophenol	80.0	74.2		ug/L		93	64 - 135
2,4,6-Trichlorophenol	80.0	79.6		ug/L		99	62 - 135

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 280-371530/2-A
Matrix: Water
Analysis Batch: 372066

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 371530

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-Dichlorophenol	80.0	72.7		ug/L		91	62 - 135
2,4-Dimethylphenol	80.0	64.3		ug/L		80	44 - 135
2,4-Dinitrophenol	160	111		ug/L		70	50 - 135
2,4-Dinitrotoluene	80.0	74.0		ug/L		93	65 - 135
2,6-Dinitrotoluene	80.0	73.6		ug/L		92	65 - 135
2-Chloronaphthalene	80.0	72.0		ug/L		90	59 - 135
2-Chlorophenol	80.0	64.7		ug/L		81	58 - 135
2-Methylnaphthalene	80.0	70.4		ug/L		88	56 - 135
2-Methylphenol	80.0	63.0		ug/L		79	62 - 135
2-Nitroaniline	80.0	69.6		ug/L		87	65 - 135
2-Nitrophenol	80.0	70.5		ug/L		88	65 - 135
3 & 4 Methylphenol	80.0	66.4		ug/L		83	65 - 135
3,3'-Dichlorobenzidine	160	134		ug/L		84	18 - 135
3-Nitroaniline	80.0	59.5		ug/L		74	38 - 135
4,6-Dinitro-2-methylphenol	160	139		ug/L		87	63 - 135
4-Bromophenyl phenyl ether	80.0	71.7		ug/L		90	65 - 135
4-Chloro-3-methylphenol	80.0	71.2		ug/L		89	65 - 135
4-Chloroaniline	80.0	59.9		ug/L		75	30 - 135
4-Chlorophenyl phenyl ether	80.0	73.1		ug/L		91	65 - 135
4-Nitroaniline	80.0	73.3		ug/L		92	65 - 135
4-Nitrophenol	160	146		ug/L		92	56 - 135
Acenaphthene	80.0	73.3		ug/L		92	61 - 135
Acenaphthylene	80.0	74.0		ug/L		93	63 - 135
Anthracene	80.0	73.5		ug/L		92	65 - 135
Atrazine	80.0	76.3		ug/L		95	59 - 148
Benzo[a]anthracene	80.0	74.6		ug/L		93	65 - 135
Benzo[a]pyrene	80.0	70.9		ug/L		89	65 - 135
Benzo[b]fluoranthene	80.0	74.9		ug/L		94	65 - 135
Benzo[g,h,i]perylene	80.0	71.8		ug/L		90	65 - 135
Benzo[k]fluoranthene	80.0	76.2		ug/L		95	65 - 135
Bis(2-chloroethoxy)methane	80.0	67.8		ug/L		85	65 - 135
Bis(2-chloroethyl)ether	80.0	65.9		ug/L		82	65 - 135
Bis(2-ethylhexyl) phthalate	80.0	73.5		ug/L		92	65 - 135
Butyl benzyl phthalate	80.0	77.1		ug/L		96	65 - 135
Carbazole	80.0	71.9		ug/L		90	65 - 135
Chrysene	80.0	73.6		ug/L		92	65 - 135
Dibenz(a,h)anthracene	80.0	73.8		ug/L		92	63 - 135
Diethyl phthalate	80.0	75.1		ug/L		94	65 - 135
Dimethyl phthalate	80.0	74.3		ug/L		93	65 - 135
Di-n-butyl phthalate	80.0	74.4		ug/L		93	65 - 135
Di-n-octyl phthalate	80.0	73.1		ug/L		91	65 - 135
Fluoranthene	80.0	71.4		ug/L		89	65 - 135
Fluorene	80.0	73.5		ug/L		92	65 - 135
Hexachlorobenzene	80.0	72.5		ug/L		91	65 - 135
Hexachlorobutadiene	80.0	63.8		ug/L		80	35 - 135
Hexachlorocyclopentadiene	80.0	35.7	J	ug/L		45	10 - 135
Hexachloroethane	80.0	54.1		ug/L		68	32 - 135
Indeno[1,2,3-cd]pyrene	80.0	72.1		ug/L		90	65 - 135

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 280-371530/2-A
Matrix: Water
Analysis Batch: 372066

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 371530

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Isophorone	80.0	66.3		ug/L		83	65 - 135
Naphthalene	80.0	67.6		ug/L		85	56 - 135
Nitrobenzene	80.0	67.7		ug/L		85	65 - 135
N-Nitrosodi-n-propylamine	80.0	65.2		ug/L		81	65 - 135
n-Nitrosodiphenylamine(as diphenylamine)	80.0	71.9		ug/L		90	65 - 135
Pentachlorophenol	160	112		ug/L		70	52 - 135
Phenanthrene	80.0	73.1		ug/L		91	65 - 135
Phenol	80.0	69.7		ug/L		87	61 - 135
Pyrene	80.0	78.3		ug/L		98	65 - 135

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*87*		*48 - 135*
2-Fluorobiphenyl	*85*		*48 - 135*
2-Fluorophenol	*75*		*41 - 135*
Nitrobenzene-d5	*80*		*42 - 135*
Phenol-d5	*77*		*46 - 135*
Terphenyl-d14	*93*		*20 - 135*

Lab Sample ID: LCSD 280-371530/5-A
Matrix: Water
Analysis Batch: 372066

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 371530

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4,5-Tetrachlorobenzene	80.0	77.3		ug/L		97	52 - 135	11	30
1,2,4-Trichlorobenzene	80.0	69.6		ug/L		87	44 - 135	8	42
1,2-Dichlorobenzene	80.0	63.9		ug/L		80	42 - 135	10	49
1,3-Dichlorobenzene	80.0	61.6		ug/L		77	39 - 135	12	51
1,4-Dichlorobenzene	80.0	63.3		ug/L		79	40 - 135	11	50
2,2'-oxybis[1-chloropropane]	80.0	65.2		ug/L		82	55 - 135	8	37
2,3,4,6-Tetrachlorophenol	80.0	72.5		ug/L		91	64 - 135	2	30
2,4,5-Trichlorophenol	80.0	78.7		ug/L		98	64 - 135	6	30
2,4,6-Trichlorophenol	80.0	84.7		ug/L		106	62 - 135	6	30
2,4-Dichlorophenol	80.0	77.5		ug/L		97	62 - 135	6	30
2,4-Dimethylphenol	80.0	68.9		ug/L		86	44 - 135	7	30
2,4-Dinitrophenol	160	112		ug/L		70	50 - 135	1	30
2,4-Dinitrotoluene	80.0	79.1		ug/L		99	65 - 135	7	32
2,6-Dinitrotoluene	80.0	77.4		ug/L		97	65 - 135	5	30
2-Chloronaphthalene	80.0	76.4		ug/L		95	59 - 135	6	30
2-Chlorophenol	80.0	72.2		ug/L		90	58 - 135	11	46
2-Methylnaphthalene	80.0	77.3		ug/L		97	56 - 135	9	32
2-Methylphenol	80.0	69.2		ug/L		86	62 - 135	9	40
2-Nitroaniline	80.0	74.9		ug/L		94	65 - 135	7	30
2-Nitrophenol	80.0	76.5		ug/L		96	65 - 135	8	38
3 & 4 Methylphenol	80.0	77.7		ug/L		97	65 - 135	16	36
3,3'-Dichlorobenzidine	160	135		ug/L		85	18 - 135	1	50
3-Nitroaniline	80.0	65.4		ug/L		82	38 - 135	9	30
4,6-Dinitro-2-methylphenol	160	141		ug/L		88	63 - 135	1	30

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 280-371530/5-A
Matrix: Water
Analysis Batch: 372066

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 371530

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4-Bromophenyl phenyl ether			80.0	77.1		ug/L		96	65 - 135	7	30
4-Chloro-3-methylphenol			80.0	79.8		ug/L		100	65 - 135	11	30
4-Chloroaniline			80.0	52.6		ug/L		66	30 - 135	13	38
4-Chlorophenyl phenyl ether			80.0	76.6		ug/L		96	65 - 135	5	30
4-Nitroaniline			80.0	74.2		ug/L		93	65 - 135	1	34
4-Nitrophenol			160	153		ug/L		96	56 - 135	4	50
Acenaphthene			80.0	78.8		ug/L		99	61 - 135	7	30
Acenaphthylene			80.0	79.0		ug/L		99	63 - 135	7	30
Anthracene			80.0	77.0		ug/L		96	65 - 135	5	30
Atrazine			80.0	70.3		ug/L		88	59 - 148	8	31
Benzo[a]anthracene			80.0	76.5		ug/L		96	65 - 135	2	30
Benzo[a]pyrene			80.0	76.8		ug/L		96	65 - 135	8	30
Benzo[b]fluoranthene			80.0	80.7		ug/L		101	65 - 135	7	30
Benzo[g,h,i]perylene			80.0	75.8		ug/L		95	65 - 135	5	30
Benzo[k]fluoranthene			80.0	81.0		ug/L		101	65 - 135	6	30
Bis(2-chloroethoxy)methane			80.0	74.0		ug/L		92	65 - 135	9	30
Bis(2-chloroethyl)ether			80.0	70.2		ug/L		88	65 - 135	6	41
Bis(2-ethylhexyl) phthalate			80.0	76.7		ug/L		96	65 - 135	4	30
Butyl benzyl phthalate			80.0	79.5		ug/L		99	65 - 135	3	30
Carbazole			80.0	74.6		ug/L		93	65 - 135	4	30
Chrysene			80.0	76.5		ug/L		96	65 - 135	4	30
Dibenz(a,h)anthracene			80.0	78.2		ug/L		98	63 - 135	6	30
Diethyl phthalate			80.0	79.5		ug/L		99	65 - 135	6	30
Dimethyl phthalate			80.0	78.5		ug/L		98	65 - 135	6	30
Di-n-butyl phthalate			80.0	78.4		ug/L		98	65 - 135	5	30
Di-n-octyl phthalate			80.0	75.7		ug/L		95	65 - 135	4	30
Fluoranthene			80.0	75.3		ug/L		94	65 - 135	5	30
Fluorene			80.0	77.7		ug/L		97	65 - 135	6	30
Hexachlorobenzene			80.0	78.1		ug/L		98	65 - 135	7	30
Hexachlorobutadiene			80.0	68.5		ug/L		86	35 - 135	7	47
Hexachlorocyclopentadiene			80.0	29.9	J	ug/L		37	10 - 135	18	66
Hexachloroethane			80.0	59.8		ug/L		75	32 - 135	10	53
Indeno[1,2,3-cd]pyrene			80.0	76.0		ug/L		95	65 - 135	5	30
Isophorone			80.0	74.0		ug/L		93	65 - 135	11	30
Naphthalene			80.0	72.2		ug/L		90	56 - 135	7	40
Nitrobenzene			80.0	72.2		ug/L		90	65 - 135	6	39
N-Nitrosodi-n-propylamine			80.0	72.8		ug/L		91	65 - 135	11	30
n-Nitrosodiphenylamine(as diphenylamine)			80.0	76.5		ug/L		96	65 - 135	6	30
Pentachlorophenol			160	92.1		ug/L		58	52 - 135	20	30
Phenanthrene			80.0	77.4		ug/L		97	65 - 135	6	30
Phenol			80.0	71.7		ug/L		90	61 - 135	3	37
Pyrene			80.0	80.4		ug/L		100	65 - 135	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol	*91*		*48 - 135*
2-Fluorobiphenyl	*91*		*48 - 135*
2-Fluorophenol	*85*		*41 - 135*

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 280-371530/5-A
Matrix: Water
Analysis Batch: 372066

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 371530

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Nitrobenzene-d5	*86*		*42 - 135*
Phenol-d5	*86*		*46 - 135*
Terphenyl-d14	*104*		*20 - 135*

Lab Sample ID: MB 280-371771/1-A
Matrix: Solid
Analysis Batch: 372441

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 371771

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		330	50	ug/Kg		05/02/17 14:16	05/05/17 18:35	1
1,2,4,5-Tetrachlorobenzene	ND		330	49	ug/Kg		05/02/17 14:16	05/05/17 18:35	1
1,2,4-Trichlorobenzene	ND		330	28	ug/Kg		05/02/17 14:16	05/05/17 18:35	1
1,2-Dichlorobenzene	ND		330	22	ug/Kg		05/02/17 14:16	05/05/17 18:35	1
1,3-Dichlorobenzene	ND		330	12	ug/Kg		05/02/17 14:16	05/05/17 18:35	1
1,4-Dichlorobenzene	ND		330	14	ug/Kg		05/02/17 14:16	05/05/17 18:35	1
1,4-Dioxane	ND		660	66	ug/Kg		05/02/17 14:16	05/05/17 18:35	1
2,2'-oxybis[1-chloropropane]	ND		330	23	ug/Kg		05/02/17 14:16	05/05/17 18:35	1
2,3,4,6-Tetrachlorophenol	ND		1600	140	ug/Kg		05/02/17 14:16	05/05/17 18:35	1
2,4,5-Trichlorophenol	ND		330	10	ug/Kg		05/02/17 14:16	05/05/17 18:35	1
2,4,6-Trichlorophenol	ND		330	10	ug/Kg		05/02/17 14:16	05/05/17 18:35	1
2,4-Dichlorophenol	ND		330	10	ug/Kg		05/02/17 14:16	05/05/17 18:35	1
2,4-Dimethylphenol	ND		330	66	ug/Kg		05/02/17 14:16	05/05/17 18:35	1
2,4-Dinitrophenol	ND		1600	330	ug/Kg		05/02/17 14:16	05/05/17 18:35	1
2,4-Dinitrotoluene	ND		330	66	ug/Kg		05/02/17 14:16	05/05/17 18:35	1
2,6-Dinitrotoluene	ND		330	28	ug/Kg		05/02/17 14:16	05/05/17 18:35	1
2-Chloronaphthalene	ND		330	10	ug/Kg		05/02/17 14:16	05/05/17 18:35	1
2-Chlorophenol	ND		330	21	ug/Kg		05/02/17 14:16	05/05/17 18:35	1
2-Methylnaphthalene	ND		330	19	ug/Kg		05/02/17 14:16	05/05/17 18:35	1
2-Methylphenol	ND		330	13	ug/Kg		05/02/17 14:16	05/05/17 18:35	1
2-Nitroaniline	ND		1600	50	ug/Kg		05/02/17 14:16	05/05/17 18:35	1
2-Nitrophenol	ND		330	10	ug/Kg		05/02/17 14:16	05/05/17 18:35	1
3 & 4 Methylphenol	ND		330	33	ug/Kg		05/02/17 14:16	05/05/17 18:35	1
3,3'-Dichlorobenzidine	ND		660	90	ug/Kg		05/02/17 14:16	05/05/17 18:35	1
3-Nitroaniline	ND		1600	73	ug/Kg		05/02/17 14:16	05/05/17 18:35	1
4,6-Dinitro-2-methylphenol	ND		1600	330	ug/Kg		05/02/17 14:16	05/05/17 18:35	1
4-Bromophenyl phenyl ether	ND		330	19	ug/Kg		05/02/17 14:16	05/05/17 18:35	1
4-Chloro-3-methylphenol	ND		330	66	ug/Kg		05/02/17 14:16	05/05/17 18:35	1
4-Chloroaniline	ND		330	82	ug/Kg		05/02/17 14:16	05/05/17 18:35	1
4-Chlorophenyl phenyl ether	ND		330	21	ug/Kg		05/02/17 14:16	05/05/17 18:35	1
4-Nitroaniline	ND		1600	73	ug/Kg		05/02/17 14:16	05/05/17 18:35	1
4-Nitrophenol	ND		1600	97	ug/Kg		05/02/17 14:16	05/05/17 18:35	1
Acenaphthene	ND		330	10	ug/Kg		05/02/17 14:16	05/05/17 18:35	1
Acenaphthylene	ND		330	17	ug/Kg		05/02/17 14:16	05/05/17 18:35	1
Acetophenone	ND		330	20	ug/Kg		05/02/17 14:16	05/05/17 18:35	1
Anthracene	ND		330	17	ug/Kg		05/02/17 14:16	05/05/17 18:35	1
Atrazine	ND		330	37	ug/Kg		05/02/17 14:16	05/05/17 18:35	1
Benzaldehyde	ND		330	67	ug/Kg		05/02/17 14:16	05/05/17 18:35	1
Benzo[a]anthracene	ND		330	20	ug/Kg		05/02/17 14:16	05/05/17 18:35	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 280-371771/1-A
Matrix: Solid
Analysis Batch: 372441

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 371771

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	ND		330	20	ug/Kg		05/02/17 14:16	05/05/17 18:35	1
Benzo[b]fluoranthene	ND		330	26	ug/Kg		05/02/17 14:16	05/05/17 18:35	1
Benzo[g,h,i]perylene	ND		330	16	ug/Kg		05/02/17 14:16	05/05/17 18:35	1
Benzo[k]fluoranthene	ND		330	40	ug/Kg		05/02/17 14:16	05/05/17 18:35	1
Bis(2-chloroethoxy)methane	ND		330	23	ug/Kg		05/02/17 14:16	05/05/17 18:35	1
Bis(2-chloroethyl)ether	ND		330	17	ug/Kg		05/02/17 14:16	05/05/17 18:35	1
Bis(2-ethylhexyl) phthalate	ND		330	46	ug/Kg		05/02/17 14:16	05/05/17 18:35	1
Butyl benzyl phthalate	ND		330	43	ug/Kg		05/02/17 14:16	05/05/17 18:35	1
Caprolactam	ND		1600	110	ug/Kg		05/02/17 14:16	05/05/17 18:35	1
Carbazole	ND		330	36	ug/Kg		05/02/17 14:16	05/05/17 18:35	1
Chrysene	ND		330	27	ug/Kg		05/02/17 14:16	05/05/17 18:35	1
Dibenz(a,h)anthracene	ND		330	19	ug/Kg		05/02/17 14:16	05/05/17 18:35	1
Dibenzofuran	ND		330	20	ug/Kg		05/02/17 14:16	05/05/17 18:35	1
Diethyl phthalate	ND		660	26	ug/Kg		05/02/17 14:16	05/05/17 18:35	1
Dimethyl phthalate	ND		330	23	ug/Kg		05/02/17 14:16	05/05/17 18:35	1
Di-n-butyl phthalate	ND		330	29	ug/Kg		05/02/17 14:16	05/05/17 18:35	1
Di-n-octyl phthalate	ND		330	14	ug/Kg		05/02/17 14:16	05/05/17 18:35	1
Fluoranthene	ND		330	36	ug/Kg		05/02/17 14:16	05/05/17 18:35	1
Fluorene	ND		330	18	ug/Kg		05/02/17 14:16	05/05/17 18:35	1
Hexachlorobenzene	ND		330	29	ug/Kg		05/02/17 14:16	05/05/17 18:35	1
Hexachlorobutadiene	ND		330	10	ug/Kg		05/02/17 14:16	05/05/17 18:35	1
Hexachlorocyclopentadiene	ND		1600	50	ug/Kg		05/02/17 14:16	05/05/17 18:35	1
Hexachloroethane	ND		330	21	ug/Kg		05/02/17 14:16	05/05/17 18:35	1
Indeno[1,2,3-cd]pyrene	ND		330	22	ug/Kg		05/02/17 14:16	05/05/17 18:35	1
Isophorone	ND		330	17	ug/Kg		05/02/17 14:16	05/05/17 18:35	1
Naphthalene	ND		330	31	ug/Kg		05/02/17 14:16	05/05/17 18:35	1
Nitrobenzene	ND		330	22	ug/Kg		05/02/17 14:16	05/05/17 18:35	1
N-Nitrosodi-n-propylamine	ND		330	31	ug/Kg		05/02/17 14:16	05/05/17 18:35	1
n-Nitrosodiphenylamine(as diphenylamine)	ND		330	21	ug/Kg		05/02/17 14:16	05/05/17 18:35	1
Pentachlorophenol	ND		1600	330	ug/Kg		05/02/17 14:16	05/05/17 18:35	1
Phenanthrene	ND		330	17	ug/Kg		05/02/17 14:16	05/05/17 18:35	1
Phenol	ND		330	18	ug/Kg		05/02/17 14:16	05/05/17 18:35	1
Pyrene	ND		330	12	ug/Kg		05/02/17 14:16	05/05/17 18:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*86*		*24 - 135*	*05/02/17 14:16*	*05/05/17 18:35*	*1*
2-Fluorobiphenyl	*82*		*33 - 135*	*05/02/17 14:16*	*05/05/17 18:35*	*1*
2-Fluorophenol	*86*		*39 - 135*	*05/02/17 14:16*	*05/05/17 18:35*	*1*
Nitrobenzene-d5	*84*		*32 - 135*	*05/02/17 14:16*	*05/05/17 18:35*	*1*
Phenol-d5	*86*		*39 - 135*	*05/02/17 14:16*	*05/05/17 18:35*	*1*
Terphenyl-d14	*99*		*30 - 135*	*05/02/17 14:16*	*05/05/17 18:35*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 280-371771/2-A
Matrix: Solid
Analysis Batch: 372441

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 371771

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4,5-Tetrachlorobenzene	2670	2120		ug/Kg		80	53 - 135
1,2,4-Trichlorobenzene	2670	2030		ug/Kg		76	49 - 135
1,2-Dichlorobenzene	2670	2000		ug/Kg		75	48 - 135
1,3-Dichlorobenzene	2670	1980		ug/Kg		74	47 - 135
1,4-Dichlorobenzene	2670	1960		ug/Kg		74	47 - 135
2,2'-oxybis[1-chloropropane]	2670	2020		ug/Kg		76	36 - 135
2,3,4,6-Tetrachlorophenol	2670	2270		ug/Kg		85	54 - 135
2,4,5-Trichlorophenol	2670	2240		ug/Kg		84	55 - 135
2,4,6-Trichlorophenol	2670	2360		ug/Kg		89	55 - 135
2,4-Dichlorophenol	2670	2160		ug/Kg		81	54 - 135
2,4-Dimethylphenol	2670	2060		ug/Kg		77	51 - 135
2,4-Dinitrophenol	5330	4310		ug/Kg		81	39 - 135
2,4-Dinitrotoluene	2670	2280		ug/Kg		85	59 - 135
2,6-Dinitrotoluene	2670	2230		ug/Kg		84	58 - 135
2-Chloronaphthalene	2670	2060		ug/Kg		77	53 - 135
2-Chlorophenol	2670	2060		ug/Kg		77	47 - 135
2-Methylnaphthalene	2670	2070		ug/Kg		78	55 - 135
2-Methylphenol	2670	2100		ug/Kg		79	47 - 135
2-Nitroaniline	2670	2110		ug/Kg		79	47 - 135
2-Nitrophenol	2670	2040		ug/Kg		77	48 - 135
3 & 4 Methylphenol	2670	2120		ug/Kg		79	47 - 135
3,3'-Dichlorobenzidine	5330	3640		ug/Kg		68	30 - 135
3-Nitroaniline	2670	1720		ug/Kg		65	39 - 135
4,6-Dinitro-2-methylphenol	5330	4530		ug/Kg		85	50 - 135
4-Bromophenyl phenyl ether	2670	2250		ug/Kg		84	57 - 135
4-Chloro-3-methylphenol	2670	2170		ug/Kg		82	55 - 135
4-Chloroaniline	2670	1450		ug/Kg		54	28 - 135
4-Chlorophenyl phenyl ether	2670	2140		ug/Kg		80	57 - 135
4-Nitroaniline	2670	2000		ug/Kg		75	50 - 135
4-Nitrophenol	5330	4350		ug/Kg		82	52 - 135
Acenaphthene	2670	2100		ug/Kg		79	55 - 135
Acenaphthylene	2670	2120		ug/Kg		79	57 - 135
Anthracene	2670	2150		ug/Kg		81	56 - 135
Atrazine	2670	2170		ug/Kg		81	60 - 135
Benzo[a]anthracene	2670	2190		ug/Kg		82	54 - 135
Benzo[a]pyrene	2670	2160		ug/Kg		81	54 - 135
Benzo[b]fluoranthene	2670	2270		ug/Kg		85	54 - 135
Benzo[g,h,i]perylene	2670	2230		ug/Kg		84	55 - 135
Benzo[k]fluoranthene	2670	2200		ug/Kg		83	54 - 135
Bis(2-chloroethoxy)methane	2670	2040		ug/Kg		77	47 - 135
Bis(2-chloroethyl)ether	2670	2060		ug/Kg		77	42 - 135
Bis(2-ethylhexyl) phthalate	2670	2250		ug/Kg		84	49 - 135
Butyl benzyl phthalate	2670	2230		ug/Kg		83	49 - 135
Carbazole	2670	2160		ug/Kg		81	56 - 135
Chrysene	2670	2180		ug/Kg		82	55 - 135
Dibenz(a,h)anthracene	2670	2370		ug/Kg		89	50 - 135
Diethyl phthalate	2670	2160		ug/Kg		81	57 - 135
Dimethyl phthalate	2670	2160		ug/Kg		81	56 - 135

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 280-371771/2-A
Matrix: Solid
Analysis Batch: 372441

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 371771

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Di-n-butyl phthalate	2670	2170		ug/Kg		81	53 - 135
Di-n-octyl phthalate	2670	2190		ug/Kg		82	46 - 135
Fluoranthene	2670	2160		ug/Kg		81	57 - 135
Fluorene	2670	2120		ug/Kg		80	57 - 135
Hexachlorobenzene	2670	2210		ug/Kg		83	57 - 135
Hexachlorobutadiene	2670	2020		ug/Kg		76	47 - 135
Hexachlorocyclopentadiene	2670	1880		ug/Kg		70	35 - 135
Hexachloroethane	2670	1960		ug/Kg		73	45 - 135
Indeno[1,2,3-cd]pyrene	2670	2350		ug/Kg		88	50 - 135
Isophorone	2670	1980		ug/Kg		74	49 - 135
Naphthalene	2670	2010		ug/Kg		75	50 - 135
Nitrobenzene	2670	1990		ug/Kg		75	45 - 135
N-Nitrosodi-n-propylamine	2670	2000		ug/Kg		75	42 - 135
n-Nitrosodiphenylamine(as diphenylamine)	2670	2170		ug/Kg		81	50 - 135
Pentachlorophenol	5330	4660		ug/Kg		87	37 - 135
Phenanthrene	2670	2160		ug/Kg		81	57 - 135
Phenol	2670	2080		ug/Kg		78	45 - 135
Pyrene	2670	2230		ug/Kg		84	55 - 135

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*83*		*24 - 135*
2-Fluorobiphenyl	*72*		*33 - 135*
2-Fluorophenol	*73*		*39 - 135*
Nitrobenzene-d5	*72*		*32 - 135*
Phenol-d5	*74*		*39 - 135*
Terphenyl-d14	*80*		*30 - 135*

Lab Sample ID: 280-95601-7 MS
Matrix: Solid
Analysis Batch: 372441

Client Sample ID: NA-SO-02-01-09
Prep Type: Total/NA
Prep Batch: 371771

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4,5-Tetrachlorobenzene	ND	H	2550	1910	H	ug/Kg		75	53 - 135
1,2,4-Trichlorobenzene	ND	H	2550	1810	H	ug/Kg		71	49 - 135
1,2-Dichlorobenzene	ND	H	2550	1730	H	ug/Kg		68	48 - 135
1,3-Dichlorobenzene	ND	H	2550	1650	H	ug/Kg		65	47 - 135
1,4-Dichlorobenzene	ND	H	2550	1680	H	ug/Kg		66	47 - 135
2,2'-oxybis[1-chloropropane]	ND	H	2550	1820	H	ug/Kg		71	36 - 135
2,3,4,6-Tetrachlorophenol	ND	H	2550	2020	H	ug/Kg		79	54 - 135
2,4,5-Trichlorophenol	ND	H	2550	1930	H	ug/Kg		76	55 - 135
2,4,6-Trichlorophenol	ND	H	2550	2010	H	ug/Kg		79	55 - 135
2,4-Dichlorophenol	ND	H	2550	1910	H	ug/Kg		75	54 - 135
2,4-Dimethylphenol	ND	H	2550	1780	H	ug/Kg		70	51 - 135
2,4-Dinitrophenol	ND	H	5100	3510	H	ug/Kg		69	39 - 135
2,4-Dinitrotoluene	ND	H	2550	1980	H	ug/Kg		78	59 - 135
2,6-Dinitrotoluene	ND	H	2550	1920	H	ug/Kg		75	58 - 135
2-Chloronaphthalene	ND	H	2550	1740	H	ug/Kg		68	53 - 135

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 280-95601-7 MS
Matrix: Solid
Analysis Batch: 372441

Client Sample ID: NA-SO-02-01-09
Prep Type: Total/NA
Prep Batch: 371771

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Chlorophenol	ND	H	2550	1880	H	ug/Kg		74	47 - 135
2-Methylnaphthalene	ND	H	2550	1840	H	ug/Kg		72	55 - 135
2-Methylphenol	ND	H	2550	1840	H	ug/Kg		72	47 - 135
2-Nitroaniline	ND	H	2550	1870	H	ug/Kg		73	47 - 135
2-Nitrophenol	ND	H	2550	1850	H	ug/Kg		73	48 - 135
3 & 4 Methylphenol	ND	H	2550	1840	H	ug/Kg		72	47 - 135
3,3'-Dichlorobenzidine	ND	H	5100	4030	H	ug/Kg		79	30 - 135
3-Nitroaniline	ND	H	2550	1800	H	ug/Kg		71	39 - 135
4,6-Dinitro-2-methylphenol	ND	H	5100	3760	H	ug/Kg		74	50 - 135
4-Bromophenyl phenyl ether	ND	H	2550	1980	H	ug/Kg		78	57 - 135
4-Chloro-3-methylphenol	ND	H	2550	1980	H	ug/Kg		78	55 - 135
4-Chloroaniline	ND	H	2550	1630	H	ug/Kg		64	28 - 135
4-Chlorophenyl phenyl ether	ND	H	2550	1840	H	ug/Kg		72	57 - 135
4-Nitroaniline	ND	H	2550	1840	H	ug/Kg		72	50 - 135
4-Nitrophenol	ND	H	5100	3880	H	ug/Kg		76	52 - 135
Acenaphthene	ND	H	2550	1770	H	ug/Kg		70	55 - 135
Acenaphthylene	ND	H	2550	1810	H	ug/Kg		71	57 - 135
Anthracene	ND	H	2550	1930	H	ug/Kg		76	56 - 135
Atrazine	ND	H	2550	1960	H	ug/Kg		77	60 - 135
Benzo[a]anthracene	ND	H	2550	1960	H	ug/Kg		77	54 - 135
Benzo[a]pyrene	22	J H	2550	1900	H	ug/Kg		74	54 - 135
Benzo[b]fluoranthene	42	J H	2550	2000	H	ug/Kg		77	54 - 135
Benzo[g,h,i]perylene	24	J H	2550	1940	H	ug/Kg		75	55 - 135
Benzo[k]fluoranthene	ND	H	2550	1890	H	ug/Kg		74	54 - 135
Bis(2-chloroethoxy)methane	ND	H	2550	1820	H	ug/Kg		72	47 - 135
Bis(2-chloroethyl)ether	ND	H	2550	1860	H	ug/Kg		73	42 - 135
Bis(2-ethylhexyl) phthalate	ND	H	2550	2030	H	ug/Kg		79	49 - 135
Butyl benzyl phthalate	ND	H	2550	1990	H	ug/Kg		78	49 - 135
Carbazole	ND	H	2550	1940	H	ug/Kg		76	56 - 135
Chrysene	26	J H	2550	1940	H	ug/Kg		76	55 - 135
Dibenz(a,h)anthracene	ND	H	2550	2050	H	ug/Kg		81	50 - 135
Diethyl phthalate	ND	H	2550	1900	H	ug/Kg		75	57 - 135
Dimethyl phthalate	ND	H	2550	1850	H	ug/Kg		73	56 - 135
Di-n-butyl phthalate	ND	H	2550	1960	H	ug/Kg		77	53 - 135
Di-n-octyl phthalate	ND	H	2550	2020	H	ug/Kg		79	46 - 135
Fluoranthene	37	J H	2550	2000	H	ug/Kg		77	57 - 135
Fluorene	ND	H	2550	1830	H	ug/Kg		72	57 - 135
Hexachlorobenzene	ND	H	2550	1910	H	ug/Kg		75	57 - 135
Hexachlorobutadiene	ND	H	2550	1750	H	ug/Kg		69	47 - 135
Hexachlorocyclopentadiene	ND	H	2550	1170	J H	ug/Kg		46	35 - 135
Hexachloroethane	ND	H	2550	1630	H	ug/Kg		64	45 - 135
Indeno[1,2,3-cd]pyrene	24	J H	2550	2130	H	ug/Kg		83	50 - 135
Isophorone	ND	H	2550	1740	H	ug/Kg		68	49 - 135
Naphthalene	ND	H	2550	1790	H	ug/Kg		70	50 - 135
Nitrobenzene	ND	H	2550	1780	H	ug/Kg		70	45 - 135
N-Nitrosodi-n-propylamine	ND	H	2550	1780	H	ug/Kg		70	42 - 135
n-Nitrosodiphenylamine(as diphenylamine)	ND	H	2550	1900	H	ug/Kg		74	50 - 135

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 280-95601-7 MS
Matrix: Solid
Analysis Batch: 372441

Client Sample ID: NA-SO-02-01-09
Prep Type: Total/NA
Prep Batch: 371771

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Pentachlorophenol	ND	H	5100	4410	H	ug/Kg		86	37 - 135
Phenanthrene	ND	H	2550	1960	H	ug/Kg		77	57 - 135
Phenol	ND	H	2550	1850	H	ug/Kg		73	45 - 135
Pyrene	31	J H	2550	1950	H	ug/Kg		75	55 - 135

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol	*78*		*24 - 135*
2-Fluorobiphenyl	*63*		*33 - 135*
2-Fluorophenol	*70*		*39 - 135*
Nitrobenzene-d5	*68*		*32 - 135*
Phenol-d5	*70*		*39 - 135*
Terphenyl-d14	*74*		*30 - 135*

Lab Sample ID: 280-95601-7 MSD
Matrix: Solid
Analysis Batch: 372441

Client Sample ID: NA-SO-02-01-09
Prep Type: Total/NA
Prep Batch: 371771

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4,5-Tetrachlorobenzene	ND	H	2530	2080	H	ug/Kg		82	53 - 135	9	30
1,2,4-Trichlorobenzene	ND	H	2530	1990	H	ug/Kg		79	49 - 135	10	30
1,2-Dichlorobenzene	ND	H	2530	1920	H	ug/Kg		76	48 - 135	10	30
1,3-Dichlorobenzene	ND	H	2530	1860	H	ug/Kg		73	47 - 135	12	30
1,4-Dichlorobenzene	ND	H	2530	1880	H	ug/Kg		74	47 - 135	11	30
2,2'-oxybis[1-chloropropane]	ND	H	2530	1980	H	ug/Kg		78	36 - 135	9	30
2,3,4,6-Tetrachlorophenol	ND	H	2530	2170	H	ug/Kg		86	54 - 135	7	30
2,4,5-Trichlorophenol	ND	H	2530	2070	H	ug/Kg		82	55 - 135	7	30
2,4,6-Trichlorophenol	ND	H	2530	2140	H	ug/Kg		85	55 - 135	6	30
2,4-Dichlorophenol	ND	H	2530	2100	H	ug/Kg		83	54 - 135	9	30
2,4-Dimethylphenol	ND	H	2530	1960	H	ug/Kg		77	51 - 135	9	30
2,4-Dinitrophenol	ND	H	5060	3820	H	ug/Kg		75	39 - 135	8	30
2,4-Dinitrotoluene	ND	H	2530	2110	H	ug/Kg		83	59 - 135	6	30
2,6-Dinitrotoluene	ND	H	2530	2060	H	ug/Kg		81	58 - 135	7	30
2-Chloronaphthalene	ND	H	2530	1910	H	ug/Kg		76	53 - 135	10	30
2-Chlorophenol	ND	H	2530	2040	H	ug/Kg		81	47 - 135	8	30
2-Methylnaphthalene	ND	H	2530	1990	H	ug/Kg		79	55 - 135	8	30
2-Methylphenol	ND	H	2530	2000	H	ug/Kg		79	47 - 135	8	30
2-Nitroaniline	ND	H	2530	2010	H	ug/Kg		79	47 - 135	7	30
2-Nitrophenol	ND	H	2530	2040	H	ug/Kg		80	48 - 135	10	30
3 & 4 Methylphenol	ND	H	2530	2010	H	ug/Kg		79	47 - 135	9	30
3,3'-Dichlorobenzidine	ND	H	5060	4190	H	ug/Kg		83	30 - 135	4	30
3-Nitroaniline	ND	H	2530	1870	H	ug/Kg		74	39 - 135	4	30
4,6-Dinitro-2-methylphenol	ND	H	5060	4010	H	ug/Kg		79	50 - 135	6	30
4-Bromophenyl phenyl ether	ND	H	2530	2090	H	ug/Kg		83	57 - 135	5	30
4-Chloro-3-methylphenol	ND	H	2530	2120	H	ug/Kg		84	55 - 135	6	30
4-Chloroaniline	ND	H	2530	1710	H	ug/Kg		67	28 - 135	4	30
4-Chlorophenyl phenyl ether	ND	H	2530	1990	H	ug/Kg		79	57 - 135	8	30
4-Nitroaniline	ND	H	2530	1880	H	ug/Kg		74	50 - 135	2	30
4-Nitrophenol	ND	H	5060	4080	H	ug/Kg		81	52 - 135	5	30

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 280-95601-7 MSD
Matrix: Solid
Analysis Batch: 372441

Client Sample ID: NA-SO-02-01-09
Prep Type: Total/NA
Prep Batch: 371771

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	ND	H	2530	1930	H	ug/Kg		76	55 - 135	8	30
Acenaphthylene	ND	H	2530	1970	H	ug/Kg		78	57 - 135	9	30
Anthracene	ND	H	2530	1990	H	ug/Kg		78	56 - 135	3	30
Atrazine	ND	H	2530	2020	H	ug/Kg		80	60 - 135	3	30
Benzo[a]anthracene	ND	H	2530	2020	H	ug/Kg		80	54 - 135	3	30
Benzo[a]pyrene	22	J H	2530	1990	H	ug/Kg		78	54 - 135	5	30
Benzo[b]fluoranthene	42	J H	2530	2100	H	ug/Kg		81	54 - 135	5	30
Benzo[g,h,i]perylene	24	J H	2530	2040	H	ug/Kg		80	55 - 135	5	30
Benzo[k]fluoranthene	ND	H	2530	1950	H	ug/Kg		77	54 - 135	3	30
Bis(2-chloroethoxy)methane	ND	H	2530	1980	H	ug/Kg		78	47 - 135	8	30
Bis(2-chloroethyl)ether	ND	H	2530	2030	H	ug/Kg		80	42 - 135	9	30
Bis(2-ethylhexyl) phthalate	ND	H	2530	2090	H	ug/Kg		82	49 - 135	3	30
Butyl benzyl phthalate	ND	H	2530	2040	H	ug/Kg		81	49 - 135	3	30
Carbazole	ND	H	2530	1960	H	ug/Kg		77	56 - 135	1	30
Chrysene	26	J H	2530	2020	H	ug/Kg		80	55 - 135	4	30
Dibenz(a,h)anthracene	ND	H	2530	2150	H	ug/Kg		85	50 - 135	5	30
Diethyl phthalate	ND	H	2530	2010	H	ug/Kg		79	57 - 135	5	30
Dimethyl phthalate	ND	H	2530	1990	H	ug/Kg		79	56 - 135	7	30
Di-n-butyl phthalate	ND	H	2530	2000	H	ug/Kg		79	53 - 135	2	30
Di-n-octyl phthalate	ND	H	2530	2080	H	ug/Kg		82	46 - 135	3	30
Fluoranthene	37	J H	2530	2050	H	ug/Kg		80	57 - 135	3	30
Fluorene	ND	H	2530	1990	H	ug/Kg		78	57 - 135	8	30
Hexachlorobenzene	ND	H	2530	2030	H	ug/Kg		80	57 - 135	6	30
Hexachlorobutadiene	ND	H	2530	1960	H	ug/Kg		77	47 - 135	11	30
Hexachlorocyclopentadiene	ND	H	2530	1310	J H	ug/Kg		52	35 - 135	11	30
Hexachloroethane	ND	H	2530	1830	H	ug/Kg		72	45 - 135	12	30
Indeno[1,2,3-cd]pyrene	24	J H	2530	2240	H	ug/Kg		88	50 - 135	5	30
Isophorone	ND	H	2530	1920	H	ug/Kg		76	49 - 135	10	30
Naphthalene	ND	H	2530	1970	H	ug/Kg		78	50 - 135	10	30
Nitrobenzene	ND	H	2530	1950	H	ug/Kg		77	45 - 135	9	30
N-Nitrosodi-n-propylamine	ND	H	2530	1940	H	ug/Kg		77	42 - 135	9	30
n-Nitrosodiphenylamine(as diphenylamine)	ND	H	2530	1980	H	ug/Kg		78	50 - 135	5	30
Pentachlorophenol	ND	H	5060	4420	H	ug/Kg		87	37 - 135	0	30
Phenanthrene	ND	H	2530	1980	H	ug/Kg		78	57 - 135	1	30
Phenol	ND	H	2530	2010	H	ug/Kg		79	45 - 135	8	30
Pyrene	31	J H	2530	2050	H	ug/Kg		80	55 - 135	5	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol	*83*		*24 - 135*
2-Fluorobiphenyl	*70*		*33 - 135*
2-Fluorophenol	*76*		*39 - 135*
Nitrobenzene-d5	*73*		*32 - 135*
Phenol-d5	*76*		*39 - 135*
Terphenyl-d14	*77*		*30 - 135*

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 280-95601-14 MS
Matrix: Solid
Analysis Batch: 372441

Client Sample ID: ST-SO-01-01-09
Prep Type: Total/NA
Prep Batch: 371771

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4,5-Tetrachlorobenzene	ND	H	2610	1590	H	ug/Kg		61	53 - 135
1,2,4-Trichlorobenzene	ND	H	2610	1390	H	ug/Kg		53	49 - 135
1,2-Dichlorobenzene	ND	H F1 F2	2610	1160	H F1	ug/Kg		44	48 - 135
1,3-Dichlorobenzene	ND	H F1 F2	2610	1050	H F1	ug/Kg		40	47 - 135
1,4-Dichlorobenzene	ND	H F1 F2	2610	1070	H F1	ug/Kg		41	47 - 135
2,2'-oxybis[1-chloropropane]	ND	H F2	2610	1360	H	ug/Kg		52	36 - 135
2,3,4,6-Tetrachlorophenol	ND	H	2610	2090	H	ug/Kg		80	54 - 135
2,4,5-Trichlorophenol	ND	H	2610	1950	H	ug/Kg		75	55 - 135
2,4,6-Trichlorophenol	ND	H	2610	1950	H	ug/Kg		75	55 - 135
2,4-Dichlorophenol	ND	H	2610	1620	H	ug/Kg		62	54 - 135
2,4-Dimethylphenol	ND	H	2610	1520	H	ug/Kg		58	51 - 135
2,4-Dinitrophenol	ND	H	5210	3720	H	ug/Kg		71	39 - 135
2,4-Dinitrotoluene	ND	H	2610	2100	H	ug/Kg		80	59 - 135
2,6-Dinitrotoluene	ND	H	2610	1930	H	ug/Kg		74	58 - 135
2-Chloronaphthalene	ND	H	2610	1600	H	ug/Kg		61	53 - 135
2-Chlorophenol	ND	H	2610	1450	H	ug/Kg		56	47 - 135
2-Methylnaphthalene	ND	H	2610	1520	H	ug/Kg		58	55 - 135
2-Methylphenol	ND	H	2610	1510	H	ug/Kg		58	47 - 135
2-Nitroaniline	ND	H	2610	1850	H	ug/Kg		71	47 - 135
2-Nitrophenol	ND	H	2610	1460	H	ug/Kg		56	48 - 135
3 & 4 Methylphenol	ND	H	2610	1530	H	ug/Kg		59	47 - 135
3,3'-Dichlorobenzidine	ND	H	5210	4470	H	ug/Kg		86	30 - 135
3-Nitroaniline	ND	H	2610	1890	H	ug/Kg		72	39 - 135
4,6-Dinitro-2-methylphenol	ND	H	5210	3990	H	ug/Kg		77	50 - 135
4-Bromophenyl phenyl ether	ND	H	2610	2050	H	ug/Kg		79	57 - 135
4-Chloro-3-methylphenol	ND	H	2610	1850	H	ug/Kg		71	55 - 135
4-Chloroaniline	ND	H	2610	1430	H	ug/Kg		55	28 - 135
4-Chlorophenyl phenyl ether	ND	H	2610	1830	H	ug/Kg		70	57 - 135
4-Nitroaniline	ND	H	2610	1890	H	ug/Kg		72	50 - 135
4-Nitrophenol	ND	H	5210	4070	H	ug/Kg		78	52 - 135
Acenaphthene	ND	H	2610	1670	H	ug/Kg		64	55 - 135
Acenaphthylene	ND	H	2610	1710	H	ug/Kg		66	57 - 135
Anthracene	ND	H	2610	2040	H	ug/Kg		78	56 - 135
Atrazine	ND	H	2610	2080	H	ug/Kg		80	60 - 135
Benzo[a]anthracene	20	J H	2610	2140	H	ug/Kg		81	54 - 135
Benzo[a]pyrene	24	J H	2610	2090	H	ug/Kg		79	54 - 135
Benzo[b]fluoranthene	42	J H	2610	2170	H	ug/Kg		82	54 - 135
Benzo[g,h,i]perylene	15	J H	2610	2120	H	ug/Kg		81	55 - 135
Benzo[k]fluoranthene	ND	H	2610	2120	H	ug/Kg		82	54 - 135
Bis(2-chloroethoxy)methane	ND	H	2610	1460	H	ug/Kg		56	47 - 135
Bis(2-chloroethyl)ether	ND	H F2	2610	1320	H	ug/Kg		51	42 - 135
Bis(2-ethylhexyl) phthalate	ND	H	2610	2400	H	ug/Kg		92	49 - 135
Butyl benzyl phthalate	ND	H	2610	2200	H	ug/Kg		85	49 - 135
Carbazole	ND	H	2610	2060	H	ug/Kg		79	56 - 135
Chrysene	26	J H	2610	2120	H	ug/Kg		81	55 - 135
Dibenz(a,h)anthracene	ND	H	2610	2240	H	ug/Kg		86	50 - 135
Diethyl phthalate	ND	H	2610	1960	H	ug/Kg		75	57 - 135
Dimethyl phthalate	ND	H	2610	1840	H	ug/Kg		71	56 - 135

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 280-95601-14 MS
Matrix: Solid
Analysis Batch: 372441

Client Sample ID: ST-SO-01-01-09
Prep Type: Total/NA
Prep Batch: 371771

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Di-n-butyl phthalate	ND	H	2610	2130	H	ug/Kg		82	53 - 135
Di-n-octyl phthalate	ND	H	2610	2220	H	ug/Kg		85	46 - 135
Fluoranthene	42	J H	2610	2100	H	ug/Kg		79	57 - 135
Fluorene	ND	H	2610	1820	H	ug/Kg		70	57 - 135
Hexachlorobenzene	ND	H	2610	2060	H	ug/Kg		79	57 - 135
Hexachlorobutadiene	ND	H F2	2610	1320	H	ug/Kg		51	47 - 135
Hexachlorocyclopentadiene	ND	H F1	2610	692	J H F1	ug/Kg		27	35 - 135
Hexachloroethane	ND	H F1 F2	2610	1040	H F1	ug/Kg		40	45 - 135
Indeno[1,2,3-cd]pyrene	23	J H	2610	2310	H	ug/Kg		88	50 - 135
Isophorone	ND	H	2610	1430	H	ug/Kg		55	49 - 135
Naphthalene	ND	H	2610	1400	H	ug/Kg		54	50 - 135
Nitrobenzene	ND	H	2610	1360	H	ug/Kg		52	45 - 135
N-Nitrosodi-n-propylamine	ND	H	2610	1400	H	ug/Kg		54	42 - 135
n-Nitrosodiphenylamine(as diphenylamine)	ND	H	2610	1990	H	ug/Kg		76	50 - 135
Pentachlorophenol	ND	H	5210	4540	H	ug/Kg		87	37 - 135
Phenanthrene	ND	H	2610	2040	H	ug/Kg		78	57 - 135
Phenol	ND	H	2610	1510	H	ug/Kg		58	45 - 135
Pyrene	36	J H	2610	2190	H	ug/Kg		83	55 - 135

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol	*79*		*24 - 135*
2-Fluorobiphenyl	*56*		*33 - 135*
2-Fluorophenol	*52*		*39 - 135*
Nitrobenzene-d5	*51*		*32 - 135*
Phenol-d5	*56*		*39 - 135*
Terphenyl-d14	*80*		*30 - 135*

Lab Sample ID: 280-95601-14 MSD
Matrix: Solid
Analysis Batch: 372441

Client Sample ID: ST-SO-01-01-09
Prep Type: Total/NA
Prep Batch: 371771

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4,5-Tetrachlorobenzene	ND	H	2550	2030	H	ug/Kg		80	53 - 135	24	30
1,2,4-Trichlorobenzene	ND	H	2550	1860	H	ug/Kg		73	49 - 135	29	30
1,2-Dichlorobenzene	ND	H F1 F2	2550	1750	H F2	ug/Kg		69	48 - 135	41	30
1,3-Dichlorobenzene	ND	H F1 F2	2550	1680	H F2	ug/Kg		66	47 - 135	46	30
1,4-Dichlorobenzene	ND	H F1 F2	2550	1720	H F2	ug/Kg		67	47 - 135	46	30
2,2'-oxybis[1-chloropropane]	ND	H F2	2550	1890	H F2	ug/Kg		74	36 - 135	33	30
2,3,4,6-Tetrachlorophenol	ND	H	2550	2280	H	ug/Kg		89	54 - 135	8	30
2,4,5-Trichlorophenol	ND	H	2550	2130	H	ug/Kg		83	55 - 135	8	30
2,4,6-Trichlorophenol	ND	H	2550	2200	H	ug/Kg		86	55 - 135	12	30
2,4-Dichlorophenol	ND	H	2550	2030	H	ug/Kg		80	54 - 135	23	30
2,4-Dimethylphenol	ND	H	2550	1900	H	ug/Kg		74	51 - 135	22	30
2,4-Dinitrophenol	ND	H	5100	4000	H	ug/Kg		78	39 - 135	7	30
2,4-Dinitrotoluene	ND	H	2550	2200	H	ug/Kg		86	59 - 135	5	30
2,6-Dinitrotoluene	ND	H	2550	2120	H	ug/Kg		83	58 - 135	9	30
2-Chloronaphthalene	ND	H	2550	1890	H	ug/Kg		74	53 - 135	17	30

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 280-95601-14 MSD — **Client Sample ID: ST-SO-01-01-09**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 372441 — **Prep Batch: 371771**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Chlorophenol	ND	H	2550	1940	H	ug/Kg		76	47 - 135	29	30
2-Methylnaphthalene	ND	H	2550	1920	H	ug/Kg		75	55 - 135	23	30
2-Methylphenol	ND	H	2550	1980	H	ug/Kg		78	47 - 135	27	30
2-Nitroaniline	ND	H	2550	2080	H	ug/Kg		82	47 - 135	12	30
2-Nitrophenol	ND	H	2550	1910	H	ug/Kg		75	48 - 135	27	30
3 & 4 Methylphenol	ND	H	2550	1960	H	ug/Kg		77	47 - 135	25	30
3,3'-Dichlorobenzidine	ND	H	5100	4500	H	ug/Kg		88	30 - 135	1	30
3-Nitroaniline	ND	H	2550	2040	H	ug/Kg		80	39 - 135	8	30
4,6-Dinitro-2-methylphenol	ND	H	5100	4230	H	ug/Kg		83	50 - 135	6	30
4-Bromophenyl phenyl ether	ND	H	2550	2140	H	ug/Kg		84	57 - 135	4	30
4-Chloro-3-methylphenol	ND	H	2550	2140	H	ug/Kg		84	55 - 135	14	30
4-Chloroaniline	ND	H	2550	1790	H	ug/Kg		70	28 - 135	23	30
4-Chlorophenyl phenyl ether	ND	H	2550	2040	H	ug/Kg		80	57 - 135	11	30
4-Nitroaniline	ND	H	2550	2000	H	ug/Kg		78	50 - 135	6	30
4-Nitrophenol	ND	H	5100	4320	H	ug/Kg		85	52 - 135	6	30
Acenaphthene	ND	H	2550	1950	H	ug/Kg		76	55 - 135	15	30
Acenaphthylene	ND	H	2550	1990	H	ug/Kg		78	57 - 135	15	30
Anthracene	ND	H	2550	2110	H	ug/Kg		83	56 - 135	4	30
Atrazine	ND	H	2550	2090	H	ug/Kg		82	60 - 135	1	30
Benzo[a]anthracene	20	J H	2550	2140	H	ug/Kg		83	54 - 135	0	30
Benzo[a]pyrene	24	J H	2550	2150	H	ug/Kg		83	54 - 135	3	30
Benzo[b]fluoranthene	42	J H	2550	2220	H	ug/Kg		85	54 - 135	2	30
Benzo[g,h,i]perylene	15	J H	2550	2160	H	ug/Kg		84	55 - 135	2	30
Benzo[k]fluoranthene	ND	H	2550	2100	H	ug/Kg		82	54 - 135	1	30
Bis(2-chloroethoxy)methane	ND	H	2550	1900	H	ug/Kg		74	47 - 135	26	30
Bis(2-chloroethyl)ether	ND	H F2	2550	1920	H F2	ug/Kg		75	42 - 135	37	30
Bis(2-ethylhexyl) phthalate	ND	H	2550	2250	H	ug/Kg		88	49 - 135	7	30
Butyl benzyl phthalate	ND	H	2550	2210	H	ug/Kg		87	49 - 135	0	30
Carbazole	ND	H	2550	2130	H	ug/Kg		84	56 - 135	4	30
Chrysene	26	J H	2550	2130	H	ug/Kg		83	55 - 135	0	30
Dibenz(a,h)anthracene	ND	H	2550	2260	H	ug/Kg		89	50 - 135	1	30
Diethyl phthalate	ND	H	2550	2100	H	ug/Kg		82	57 - 135	7	30
Dimethyl phthalate	ND	H	2550	2050	H	ug/Kg		80	56 - 135	10	30
Di-n-butyl phthalate	ND	H	2550	2150	H	ug/Kg		84	53 - 135	1	30
Di-n-octyl phthalate	ND	H	2550	2230	H	ug/Kg		88	46 - 135	0	30
Fluoranthene	42	J H	2550	2190	H	ug/Kg		84	57 - 135	5	30
Fluorene	ND	H	2550	2030	H	ug/Kg		80	57 - 135	11	30
Hexachlorobenzene	ND	H	2550	2130	H	ug/Kg		83	57 - 135	3	30
Hexachlorobutadiene	ND	H F2	2550	1800	H F2	ug/Kg		71	47 - 135	31	30
Hexachlorocyclopentadiene	ND	H F1	2550	836	J H F1	ug/Kg		33	35 - 135	19	30
Hexachloroethane	ND	H F1 F2	2550	1670	H F2	ug/Kg		66	45 - 135	47	30
Indeno[1,2,3-cd]pyrene	23	J H	2550	2350	H	ug/Kg		92	50 - 135	2	30
Isophorone	ND	H	2550	1830	H	ug/Kg		72	49 - 135	25	30
Naphthalene	ND	H	2550	1850	H	ug/Kg		73	50 - 135	27	30
Nitrobenzene	ND	H	2550	1830	H	ug/Kg		72	45 - 135	30	30
N-Nitrosodi-n-propylamine	ND	H	2550	1870	H	ug/Kg		73	42 - 135	28	30
n-Nitrosodiphenylamine(as diphenylamine)	ND	H	2550	2110	H	ug/Kg		83	50 - 135	6	30

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 280-95601-14 MSD — **Client Sample ID: ST-SO-01-01-09**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 372441 — **Prep Batch: 371771**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Pentachlorophenol	ND	H	5100	4850	H	ug/Kg		95	37 - 135	7	30
Phenanthrene	ND	H	2550	2130	H	ug/Kg		84	57 - 135	4	30
Phenol	ND	H	2550	1960	H	ug/Kg		77	45 - 135	26	30
Pyrene	36	J H	2550	2170	H	ug/Kg		84	55 - 135	1	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol	*89*		*24 - 135*
2-Fluorobiphenyl	*69*		*33 - 135*
2-Fluorophenol	*74*		*39 - 135*
Nitrobenzene-d5	*70*		*32 - 135*
Phenol-d5	*74*		*39 - 135*
Terphenyl-d14	*82*		*30 - 135*

Lab Sample ID: MB 280-372417/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 372868 — **Prep Batch: 372417**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		10	1.8	ug/L		05/05/17 14:33	05/09/17 19:12	1
1,2,4,5-Tetrachlorobenzene	ND		10	1.7	ug/L		05/05/17 14:33	05/09/17 19:12	1
1,2,4-Trichlorobenzene	ND		4.0	0.28	ug/L		05/05/17 14:33	05/09/17 19:12	1
1,2-Dichlorobenzene	ND		4.0	0.23	ug/L		05/05/17 14:33	05/09/17 19:12	1
1,3-Dichlorobenzene	ND		10	0.30	ug/L		05/05/17 14:33	05/09/17 19:12	1
1,4-Dichlorobenzene	ND		4.0	0.32	ug/L		05/05/17 14:33	05/09/17 19:12	1
1,4-Dioxane	ND		20	1.7	ug/L		05/05/17 14:33	05/09/17 19:12	1
2,2'-oxybis[1-chloropropane]	ND		10	0.28	ug/L		05/05/17 14:33	05/09/17 19:12	1
2,3,4,6-Tetrachlorophenol	ND		50	2.0	ug/L		05/05/17 14:33	05/09/17 19:12	1
2,4,5-Trichlorophenol	ND		10	0.45	ug/L		05/05/17 14:33	05/09/17 19:12	1
2,4,6-Trichlorophenol	ND		10	0.29	ug/L		05/05/17 14:33	05/09/17 19:12	1
2,4-Dichlorophenol	ND		10	0.64	ug/L		05/05/17 14:33	05/09/17 19:12	1
2,4-Dimethylphenol	ND		10	0.58	ug/L		05/05/17 14:33	05/09/17 19:12	1
2,4-Dinitrophenol	ND		30	10	ug/L		05/05/17 14:33	05/09/17 19:12	1
2,4-Dinitrotoluene	ND		10	1.7	ug/L		05/05/17 14:33	05/09/17 19:12	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		05/05/17 14:33	05/09/17 19:12	1
2-Chloronaphthalene	ND		4.0	0.26	ug/L		05/05/17 14:33	05/09/17 19:12	1
2-Chlorophenol	ND		10	2.0	ug/L		05/05/17 14:33	05/09/17 19:12	1
2-Methylnaphthalene	ND		4.0	0.29	ug/L		05/05/17 14:33	05/09/17 19:12	1
2-Methylphenol	ND		10	0.98	ug/L		05/05/17 14:33	05/09/17 19:12	1
2-Nitroaniline	ND		10	1.7	ug/L		05/05/17 14:33	05/09/17 19:12	1
2-Nitrophenol	ND		10	0.39	ug/L		05/05/17 14:33	05/09/17 19:12	1
3 & 4 Methylphenol	ND		10	0.25	ug/L		05/05/17 14:33	05/09/17 19:12	1
3,3'-Dichlorobenzidine	ND		50	2.0	ug/L		05/05/17 14:33	05/09/17 19:12	1
3-Nitroaniline	ND		10	2.0	ug/L		05/05/17 14:33	05/09/17 19:12	1
4,6-Dinitro-2-methylphenol	ND		50	4.0	ug/L		05/05/17 14:33	05/09/17 19:12	1
4-Bromophenyl phenyl ether	ND		10	0.43	ug/L		05/05/17 14:33	05/09/17 19:12	1
4-Chloro-3-methylphenol	ND		10	2.4	ug/L		05/05/17 14:33	05/09/17 19:12	1
4-Chloroaniline	ND		10	2.1	ug/L		05/05/17 14:33	05/09/17 19:12	1
4-Chlorophenyl phenyl ether	ND		10	1.7	ug/L		05/05/17 14:33	05/09/17 19:12	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 280-372417/1-A
Matrix: Water
Analysis Batch: 372868

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 372417

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroaniline	ND		10	2.0	ug/L		05/05/17 14:33	05/09/17 19:12	1
4-Nitrophenol	ND		10	1.2	ug/L		05/05/17 14:33	05/09/17 19:12	1
Acenaphthene	ND		4.0	0.28	ug/L		05/05/17 14:33	05/09/17 19:12	1
Acenaphthylene	ND		4.0	0.49	ug/L		05/05/17 14:33	05/09/17 19:12	1
Acetophenone	ND		10	0.24	ug/L		05/05/17 14:33	05/09/17 19:12	1
Anthracene	ND		4.0	0.42	ug/L		05/05/17 14:33	05/09/17 19:12	1
Atrazine	ND		10	0.73	ug/L		05/05/17 14:33	05/09/17 19:12	1
Benzaldehyde	ND		10	2.0	ug/L		05/05/17 14:33	05/09/17 19:12	1
Benzo[a]anthracene	ND		4.0	0.35	ug/L		05/05/17 14:33	05/09/17 19:12	1
Benzo[a]pyrene	ND		4.0	0.31	ug/L		05/05/17 14:33	05/09/17 19:12	1
Benzo[b]fluoranthene	ND		4.0	0.53	ug/L		05/05/17 14:33	05/09/17 19:12	1
Benzo[g,h,i]perylene	ND		4.0	0.50	ug/L		05/05/17 14:33	05/09/17 19:12	1
Benzo[k]fluoranthene	ND		4.0	0.46	ug/L		05/05/17 14:33	05/09/17 19:12	1
Bis(2-chloroethoxy)methane	ND		10	0.97	ug/L		05/05/17 14:33	05/09/17 19:12	1
Bis(2-chloroethyl)ether	ND		10	0.41	ug/L		05/05/17 14:33	05/09/17 19:12	1
Bis(2-ethylhexyl) phthalate	ND		10	0.56	ug/L		05/05/17 14:33	05/09/17 19:12	1
Butyl benzyl phthalate	ND		4.0	1.0	ug/L		05/05/17 14:33	05/09/17 19:12	1
Caprolactam	ND		10	5.0	ug/L		05/05/17 14:33	05/09/17 19:12	1
Carbazole	ND		4.0	0.43	ug/L		05/05/17 14:33	05/09/17 19:12	1
Chrysene	ND		4.0	0.54	ug/L		05/05/17 14:33	05/09/17 19:12	1
Dibenz(a,h)anthracene	ND		4.0	0.51	ug/L		05/05/17 14:33	05/09/17 19:12	1
Dibenzofuran	ND		4.0	0.29	ug/L		05/05/17 14:33	05/09/17 19:12	1
Diethyl phthalate	ND		4.0	0.38	ug/L		05/05/17 14:33	05/09/17 19:12	1
Dimethyl phthalate	ND		4.0	0.21	ug/L		05/05/17 14:33	05/09/17 19:12	1
Di-n-butyl phthalate	ND		4.0	1.2	ug/L		05/05/17 14:33	05/09/17 19:12	1
Di-n-octyl phthalate	ND		4.0	0.35	ug/L		05/05/17 14:33	05/09/17 19:12	1
Fluoranthene	ND		4.0	0.20	ug/L		05/05/17 14:33	05/09/17 19:12	1
Fluorene	ND		4.0	0.31	ug/L		05/05/17 14:33	05/09/17 19:12	1
Hexachlorobenzene	ND		10	0.66	ug/L		05/05/17 14:33	05/09/17 19:12	1
Hexachlorobutadiene	ND		10	3.3	ug/L		05/05/17 14:33	05/09/17 19:12	1
Hexachlorocyclopentadiene	ND		50	10	ug/L		05/05/17 14:33	05/09/17 19:12	1
Hexachloroethane	ND		10	2.1	ug/L		05/05/17 14:33	05/09/17 19:12	1
Indeno[1,2,3-cd]pyrene	ND		4.0	0.65	ug/L		05/05/17 14:33	05/09/17 19:12	1
Isophorone	ND		10	0.21	ug/L		05/05/17 14:33	05/09/17 19:12	1
Naphthalene	ND		4.0	0.29	ug/L		05/05/17 14:33	05/09/17 19:12	1
Nitrobenzene	ND		10	0.81	ug/L		05/05/17 14:33	05/09/17 19:12	1
N-Nitrosodi-n-propylamine	ND		10	0.35	ug/L		05/05/17 14:33	05/09/17 19:12	1
n-Nitrosodiphenylamine(as diphenylamine)	ND		10	0.44	ug/L		05/05/17 14:33	05/09/17 19:12	1
Pentachlorophenol	ND		50	20	ug/L		05/05/17 14:33	05/09/17 19:12	1
Phenanthrene	ND		4.0	0.26	ug/L		05/05/17 14:33	05/09/17 19:12	1
Phenol	ND		10	2.0	ug/L		05/05/17 14:33	05/09/17 19:12	1
Pyrene	ND		10	0.37	ug/L		05/05/17 14:33	05/09/17 19:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*79*		*48 - 135*	*05/05/17 14:33*	*05/09/17 19:12*	*1*
2-Fluorobiphenyl	*81*		*48 - 135*	*05/05/17 14:33*	*05/09/17 19:12*	*1*
2-Fluorophenol	*84*		*41 - 135*	*05/05/17 14:33*	*05/09/17 19:12*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 280-372417/1-A
Matrix: Water
Analysis Batch: 372868

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 372417

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*79*		*42 - 135*	*05/05/17 14:33*	*05/09/17 19:12*	*1*
Phenol-d5	*80*		*46 - 135*	*05/05/17 14:33*	*05/09/17 19:12*	*1*
Terphenyl-d14	*98*		*20 - 135*	*05/05/17 14:33*	*05/09/17 19:12*	*1*

Lab Sample ID: LCS 280-372417/2-A
Matrix: Water
Analysis Batch: 372868

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 372417

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4,5-Tetrachlorobenzene	80.0	63.7		ug/L		80	52 - 135
1,2,4-Trichlorobenzene	80.0	58.6		ug/L		73	44 - 135
1,2-Dichlorobenzene	80.0	60.6		ug/L		76	42 - 135
1,3-Dichlorobenzene	80.0	56.7		ug/L		71	39 - 135
1,4-Dichlorobenzene	80.0	58.2		ug/L		73	40 - 135
2,2'-oxybis[1-chloropropane]	80.0	64.3		ug/L		80	55 - 135
2,3,4,6-Tetrachlorophenol	80.0	70.1		ug/L		88	64 - 135
2,4,5-Trichlorophenol	80.0	70.3		ug/L		88	64 - 135
2,4,6-Trichlorophenol	80.0	72.6		ug/L		91	62 - 135
2,4-Dichlorophenol	80.0	69.2		ug/L		87	62 - 135
2,4-Dimethylphenol	80.0	65.6		ug/L		82	44 - 135
2,4-Dinitrophenol	160	133		ug/L		83	50 - 135
2,4-Dinitrotoluene	80.0	75.0		ug/L		94	65 - 135
2,6-Dinitrotoluene	80.0	73.9		ug/L		92	65 - 135
2-Chloronaphthalene	80.0	66.3		ug/L		83	59 - 135
2-Chlorophenol	80.0	65.6		ug/L		82	58 - 135
2-Methylnaphthalene	80.0	68.1		ug/L		85	56 - 135
2-Methylphenol	80.0	66.2		ug/L		83	62 - 135
2-Nitroaniline	80.0	71.0		ug/L		89	65 - 135
2-Nitrophenol	80.0	68.7		ug/L		86	65 - 135
3 & 4 Methylphenol	80.0	66.6		ug/L		83	65 - 135
3,3'-Dichlorobenzidine	160	137		ug/L		85	18 - 135
3-Nitroaniline	80.0	66.7		ug/L		83	38 - 135
4,6-Dinitro-2-methylphenol	160	142		ug/L		89	63 - 135
4-Bromophenyl phenyl ether	80.0	68.6		ug/L		86	65 - 135
4-Chloro-3-methylphenol	80.0	73.6		ug/L		92	65 - 135
4-Chloroaniline	80.0	55.9		ug/L		70	30 - 135
4-Chlorophenyl phenyl ether	80.0	70.0		ug/L		87	65 - 135
4-Nitroaniline	80.0	69.1		ug/L		86	65 - 135
4-Nitrophenol	160	150		ug/L		94	56 - 135
Acenaphthene	80.0	68.3		ug/L		85	61 - 135
Acenaphthylene	80.0	70.4		ug/L		88	63 - 135
Anthracene	80.0	71.2		ug/L		89	65 - 135
Atrazine	80.0	76.8		ug/L		96	59 - 148
Benzo[a]anthracene	80.0	73.0		ug/L		91	65 - 135
Benzo[a]pyrene	80.0	70.0		ug/L		87	65 - 135
Benzo[b]fluoranthene	80.0	75.8		ug/L		95	65 - 135
Benzo[g,h,i]perylene	80.0	75.7		ug/L		95	65 - 135
Benzo[k]fluoranthene	80.0	77.4		ug/L		97	65 - 135

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 280-372417/2-A
Matrix: Water
Analysis Batch: 372868

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 372417

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bis(2-chloroethoxy)methane	80.0	64.9		ug/L		81	65 - 135
Bis(2-chloroethyl)ether	80.0	65.8		ug/L		82	65 - 135
Bis(2-ethylhexyl) phthalate	80.0	76.3		ug/L		95	65 - 135
Butyl benzyl phthalate	80.0	74.7		ug/L		93	65 - 135
Carbazole	80.0	69.1		ug/L		86	65 - 135
Chrysene	80.0	73.4		ug/L		92	65 - 135
Dibenz(a,h)anthracene	80.0	76.8		ug/L		96	63 - 135
Diethyl phthalate	80.0	74.6		ug/L		93	65 - 135
Dimethyl phthalate	80.0	73.9		ug/L		92	65 - 135
Di-n-butyl phthalate	80.0	73.9		ug/L		92	65 - 135
Di-n-octyl phthalate	80.0	73.6		ug/L		92	65 - 135
Fluoranthene	80.0	71.6		ug/L		90	65 - 135
Fluorene	80.0	70.2		ug/L		88	65 - 135
Hexachlorobenzene	80.0	66.5		ug/L		83	65 - 135
Hexachlorobutadiene	80.0	55.5		ug/L		69	35 - 135
Hexachlorocyclopentadiene	80.0	38.9	J	ug/L		49	10 - 135
Hexachloroethane	80.0	54.2		ug/L		68	32 - 135
Indeno[1,2,3-cd]pyrene	80.0	70.5		ug/L		88	65 - 135
Isophorone	80.0	69.5		ug/L		87	65 - 135
Naphthalene	80.0	65.0		ug/L		81	56 - 135
Nitrobenzene	80.0	67.5		ug/L		84	65 - 135
N-Nitrosodi-n-propylamine	80.0	67.6		ug/L		85	65 - 135
n-Nitrosodiphenylamine(as diphenylamine)	80.0	68.8		ug/L		86	65 - 135
Pentachlorophenol	160	117		ug/L		73	52 - 135
Phenanthrene	80.0	70.3		ug/L		88	65 - 135
Phenol	80.0	63.6		ug/L		79	61 - 135
Pyrene	80.0	73.5		ug/L		92	65 - 135

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*84*		*48 - 135*
2-Fluorobiphenyl	*80*		*48 - 135*
2-Fluorophenol	*74*		*41 - 135*
Nitrobenzene-d5	*77*		*42 - 135*
Phenol-d5	*75*		*46 - 135*
Terphenyl-d14	*90*		*20 - 135*

Method: 9045C - pH

Lab Sample ID: LCS 280-372060/1-A
Matrix: Solid
Analysis Batch: 372093

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
pH adj. to 25 deg C	7.00	7.0		SU		100	97 - 103

Method: 9045C - pH (Continued)

Lab Sample ID: 280-95601-13 DU
Matrix: Solid
Analysis Batch: 372093

Client Sample ID: ST-SO-01-00-01
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
pH adj. to 25 deg C	8.3	HF		8.4		SU				0.7	5
Temperature	20.7	HF		20.6		Degrees C				0.5	5

QC Association Summary

Client: Weston Solutions, Inc.
Project/Site: Denver Urban Garden, JPS

TestAmerica Job ID: 280-95601-2

GC/MS Semi VOA

Prep Batch: 371530

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-95601-1	NA-EB-20170406	Total/NA	Water	3520C	
280-95601-12	ST-EB-20170406	Total/NA	Water	3520C	
MB 280-371530/1-A	Method Blank	Total/NA	Water	3520C	
LCS 280-371530/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 280-371530/5-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Prep Batch: 371771

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-95601-2	NA-SO-01-00-01	Total/NA	Solid	3550C	
280-95601-3	NA-SO-01-01-09	Total/NA	Solid	3550C	
280-95601-4	NA-SO-01-09-18	Total/NA	Solid	3550C	
280-95601-6	NA-SO-02-00-01	Total/NA	Solid	3550C	
280-95601-7	NA-SO-02-01-09	Total/NA	Solid	3550C	
280-95601-8	NA-SO-02-09-18	Total/NA	Solid	3550C	
280-95601-10	NA-SO-DUP1	Total/NA	Solid	3550C	
280-95601-13	ST-SO-01-00-01	Total/NA	Solid	3550C	
280-95601-14	ST-SO-01-01-09	Total/NA	Solid	3550C	
280-95601-15	ST-SO-01-09-18	Total/NA	Solid	3550C	
280-95601-18	ST-SO-DUP2	Total/NA	Solid	3550C	
MB 280-371771/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 280-371771/2-A	Lab Control Sample	Total/NA	Solid	3550C	
280-95601-7 MS	NA-SO-02-01-09	Total/NA	Solid	3550C	
280-95601-7 MSD	NA-SO-02-01-09	Total/NA	Solid	3550C	
280-95601-14 MS	ST-SO-01-01-09	Total/NA	Solid	3550C	
280-95601-14 MSD	ST-SO-01-01-09	Total/NA	Solid	3550C	

Analysis Batch: 372066

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-95601-1	NA-EB-20170406	Total/NA	Water	8270C	371530
280-95601-12	ST-EB-20170406	Total/NA	Water	8270C	371530
MB 280-371530/1-A	Method Blank	Total/NA	Water	8270C	371530
LCS 280-371530/2-A	Lab Control Sample	Total/NA	Water	8270C	371530
LCSD 280-371530/5-A	Lab Control Sample Dup	Total/NA	Water	8270C	371530

Prep Batch: 372417

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-95601-1 - RE	NA-EB-20170406	Total/NA	Water	3520C	
280-95601-12 - RE	ST-EB-20170406	Total/NA	Water	3520C	
MB 280-372417/1-A	Method Blank	Total/NA	Water	3520C	
LCS 280-372417/2-A	Lab Control Sample	Total/NA	Water	3520C	

Analysis Batch: 372441

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-95601-2	NA-SO-01-00-01	Total/NA	Solid	8270C	371771
280-95601-3	NA-SO-01-01-09	Total/NA	Solid	8270C	371771
280-95601-4	NA-SO-01-09-18	Total/NA	Solid	8270C	371771
280-95601-6	NA-SO-02-00-01	Total/NA	Solid	8270C	371771
280-95601-7	NA-SO-02-01-09	Total/NA	Solid	8270C	371771
280-95601-8	NA-SO-02-09-18	Total/NA	Solid	8270C	371771
280-95601-10	NA-SO-DUP1	Total/NA	Solid	8270C	371771
280-95601-13	ST-SO-01-00-01	Total/NA	Solid	8270C	371771

GC/MS Semi VOA (Continued)

Analysis Batch: 372441 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-95601-14	ST-SO-01-01-09	Total/NA	Solid	8270C	371771
280-95601-15	ST-SO-01-09-18	Total/NA	Solid	8270C	371771
280-95601-18	ST-SO-DUP2	Total/NA	Solid	8270C	371771
MB 280-371771/1-A	Method Blank	Total/NA	Solid	8270C	371771
LCS 280-371771/2-A	Lab Control Sample	Total/NA	Solid	8270C	371771
280-95601-7 MS	NA-SO-02-01-09	Total/NA	Solid	8270C	371771
280-95601-7 MSD	NA-SO-02-01-09	Total/NA	Solid	8270C	371771
280-95601-14 MS	ST-SO-01-01-09	Total/NA	Solid	8270C	371771
280-95601-14 MSD	ST-SO-01-01-09	Total/NA	Solid	8270C	371771

Analysis Batch: 372868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-95601-1 - RE	NA-EB-20170406	Total/NA	Water	8270C	372417
280-95601-12 - RE	ST-EB-20170406	Total/NA	Water	8270C	372417
MB 280-372417/1-A	Method Blank	Total/NA	Water	8270C	372417
LCS 280-372417/2-A	Lab Control Sample	Total/NA	Water	8270C	372417

General Chemistry

Leach Batch: 372060

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-95601-13	ST-SO-01-00-01	Soluble	Solid	DI Leach	
280-95601-14	ST-SO-01-01-09	Soluble	Solid	DI Leach	
280-95601-15	ST-SO-01-09-18	Soluble	Solid	DI Leach	
280-95601-18	ST-SO-DUP2	Soluble	Solid	DI Leach	
LCS 280-372060/1-A	Lab Control Sample	Soluble	Solid	DI Leach	
280-95601-13 DU	ST-SO-01-00-01	Soluble	Solid	DI Leach	

Analysis Batch: 372093

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-95601-13	ST-SO-01-00-01	Soluble	Solid	9045C	372060
280-95601-14	ST-SO-01-01-09	Soluble	Solid	9045C	372060
280-95601-15	ST-SO-01-09-18	Soluble	Solid	9045C	372060
280-95601-18	ST-SO-DUP2	Soluble	Solid	9045C	372060
LCS 280-372060/1-A	Lab Control Sample	Soluble	Solid	9045C	372060
280-95601-13 DU	ST-SO-01-00-01	Soluble	Solid	9045C	372060

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: Denver Urban Garden, JPS

TestAmerica Job ID: 280-95601-2

Client Sample ID: NA-EB-20170406 — Lab Sample ID: 280-95601-1

Date Collected: 04/06/17 09:00 — **Matrix: Water**
Date Received: 04/06/17 16:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C	RE		904.8 mL	1 mL	372417	05/05/17 14:33	JRA	TAL DEN
Total/NA	Analysis	8270C	RE	1			372868	05/09/17 22:22	AFH	TAL DEN
Total/NA	Prep	3520C			954.6 mL	1 mL	371530	04/30/17 08:06	JDW	TAL DEN
Total/NA	Analysis	8270C		1			372066	05/03/17 18:39	AFH	TAL DEN

Client Sample ID: NA-SO-01-00-01 — Lab Sample ID: 280-95601-2

Date Collected: 04/06/17 08:25 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			31.2 g	1 mL	371771	05/02/17 14:16	DFB1	TAL DEN
Total/NA	Analysis	8270C		1			372441	05/05/17 19:28	DCK	TAL DEN

Client Sample ID: NA-SO-01-01-09 — Lab Sample ID: 280-95601-3

Date Collected: 04/06/17 09:43 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			31.7 g	1 mL	371771	05/02/17 14:16	DFB1	TAL DEN
Total/NA	Analysis	8270C		1			372441	05/05/17 19:55	DCK	TAL DEN

Client Sample ID: NA-SO-01-09-18 — Lab Sample ID: 280-95601-4

Date Collected: 04/06/17 09:50 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			31.3 g	1 mL	371771	05/02/17 14:16	DFB1	TAL DEN
Total/NA	Analysis	8270C		1			372441	05/05/17 20:22	DCK	TAL DEN

Client Sample ID: NA-SO-02-00-01 — Lab Sample ID: 280-95601-6

Date Collected: 04/06/17 09:36 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			32.3 g	1 mL	371771	05/02/17 14:16	DFB1	TAL DEN
Total/NA	Analysis	8270C		1			372441	05/05/17 20:48	DCK	TAL DEN

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: Denver Urban Garden, JPS

TestAmerica Job ID: 280-95601-2

Client Sample ID: NA-SO-02-01-09 — Lab Sample ID: 280-95601-7

Date Collected: 04/06/17 09:36 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			31.0 g	1 mL	371771	05/02/17 14:16	DFB1	TAL DEN
Total/NA	Analysis	8270C		1			372441	05/05/17 21:15	DCK	TAL DEN

Client Sample ID: NA-SO-02-09-18 — Lab Sample ID: 280-95601-8

Date Collected: 04/06/17 09:48 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			30.8 g	1 mL	371771	05/02/17 14:16	DFB1	TAL DEN
Total/NA	Analysis	8270C		1			372441	05/05/17 22:35	DCK	TAL DEN

Client Sample ID: NA-SO-DUP1 — Lab Sample ID: 280-95601-10

Date Collected: 04/06/17 00:00 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			30.5 g	1 mL	371771	05/02/17 14:16	DFB1	TAL DEN
Total/NA	Analysis	8270C		1			372441	05/05/17 23:01	DCK	TAL DEN

Client Sample ID: ST-EB-20170406 — Lab Sample ID: 280-95601-12

Date Collected: 04/06/17 11:40 — **Matrix: Water**
Date Received: 04/06/17 16:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C	RE		981.1 mL	1 mL	372417	05/05/17 14:33	JRA	TAL DEN
Total/NA	Analysis	8270C	RE	1			372868	05/09/17 22:51	AFH	TAL DEN
Total/NA	Prep	3520C			894.3 mL	1 mL	371530	04/30/17 08:06	JDW	TAL DEN
Total/NA	Analysis	8270C		1			372066	05/03/17 19:06	AFH	TAL DEN

Client Sample ID: ST-SO-01-00-01 — Lab Sample ID: 280-95601-13

Date Collected: 04/06/17 12:00 — **Matrix: Solid**
Date Received: 04/06/17 16:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			32.0 g	1 mL	371771	05/02/17 14:16	DFB1	TAL DEN
Total/NA	Analysis	8270C		1			372441	05/05/17 23:28	DCK	TAL DEN
Soluble	Leach	DI Leach			40.17 g	40 mL	372060	05/03/17 12:54	A1D	TAL DEN
Soluble	Analysis	9045C		1	1 mL	1 mL	372093	05/03/17 17:25	A1D	TAL DEN

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: Denver Urban Garden, JPS

TestAmerica Job ID: 280-95601-2

Client Sample ID: ST-SO-01-01-09 — Lab Sample ID: 280-95601-14

Date Collected: 04/06/17 12:10
Date Received: 04/06/17 16:20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			31.4 g	1 mL	371771	05/02/17 14:16	DFB1	TAL DEN
Total/NA	Analysis	8270C		1			372441	05/05/17 23:54	DCK	TAL DEN
Soluble	Leach	DI Leach			40.05 g	40 mL	372060	05/03/17 12:54	A1D	TAL DEN
Soluble	Analysis	9045C		1	1 mL	1 mL	372093	05/03/17 17:25	A1D	TAL DEN

Client Sample ID: ST-SO-01-09-18 — Lab Sample ID: 280-95601-15

Date Collected: 04/06/17 12:35
Date Received: 04/06/17 16:20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			32.1 g	1 mL	371771	05/02/17 14:16	DFB1	TAL DEN
Total/NA	Analysis	8270C		1			372441	05/06/17 01:14	DCK	TAL DEN
Soluble	Leach	DI Leach			40.82 g	40 mL	372060	05/03/17 12:54	A1D	TAL DEN
Soluble	Analysis	9045C		1	1 mL	1 mL	372093	05/03/17 17:25	A1D	TAL DEN

Client Sample ID: ST-SO-DUP2 — Lab Sample ID: 280-95601-18

Date Collected: 04/06/17 00:00
Date Received: 04/06/17 16:20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			30.3 g	1 mL	371771	05/02/17 14:16	DFB1	TAL DEN
Total/NA	Analysis	8270C		1			372441	05/06/17 01:40	DCK	TAL DEN
Soluble	Leach	DI Leach			40.37 g	40 mL	372060	05/03/17 12:54	A1D	TAL DEN
Soluble	Analysis	9045C		1	1 mL	1 mL	372093	05/03/17 17:25	A1D	TAL DEN

Laboratory References:

TAL DEN = TestAmerica Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

Accreditation/Certification Summary

Client: Weston Solutions, Inc.
Project/Site: Denver Urban Garden, JPS

TestAmerica Job ID: 280-95601-2

Laboratory: TestAmerica Denver

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
A2LA	DoD ELAP		2907.01	10-31-17
A2LA	ISO/IEC 17025		2907.01	10-31-17
Alabama	State Program	4	40730	09-30-12 *
Alaska (UST)	State Program	10	UST-30	04-05-18
Arizona	State Program	9	AZ0713	12-20-17
Arkansas DEQ	State Program	6	88-0687	06-01-17
California	State Program	9	2513	01-08-18
Connecticut	State Program	1	PH-0686	09-30-18
Florida	NELAP	4	E87667	06-30-17
Georgia	State Program	4	N/A	01-08-18
Illinois	NELAP	5	200017	04-30-18
Iowa	State Program	7	370	12-01-18
Kansas	NELAP	7	E-10166	04-30-18
Louisiana	NELAP	6	02096	06-30-17
Maine	State Program	1	CO0002	03-03-19
Minnesota	NELAP	5	8-999-405	12-31-17
Nevada	State Program	9	CO0026	07-31-17
New Hampshire	NELAP	1	205310	04-28-17 *
New Jersey	NELAP	2	CO004	06-30-17
New York	NELAP	2	11964	04-01-18
North Carolina (WW/SW)	State Program	4	358	12-31-17
North Dakota	State Program	8	R-034	01-09-18
Oklahoma	State Program	6	8614	08-31-17
Oregon	NELAP	10	4025	01-08-18
Pennsylvania	NELAP	3	68-00664	07-31-17
South Carolina	State Program	4	72002001	01-09-17 *
Texas	NELAP	6	T104704183-16-12	09-30-17
USDA	Federal		P330-16-00397	12-15-19
Utah	NELAP	8	CO00026	07-31-17
Virginia	NELAP	3	460232	06-14-17
Washington	State Program	10	C583	08-02-17
West Virginia DEP	State Program	3	354	11-30-17
Wisconsin	State Program	5	999615430	08-31-17
Wyoming (UST)	A2LA	8	2907.01	10-31-17

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

USEPA
DateShipped: 4/6/2017
CarrierName:
AirbillNo:

280-95601 Chain of Custody

CHAIN OF CUSTODY RECORD
Site #: R08040617
Contact Name: Eric Sandusky
Contact Phone: 678-516-7299

No: 8-040617-143047-0001
Cooler #:
Lab: TestAmerica Laboratories Inc.
Lab Phone: 303-736-0100

Lab #	Sample #	Location	Analyses	Matrix	Collected	Numb Cont	Container	Preservative	MS/MSD
	NA-EB-20170406	North Arvada Middle School	TAL Metals	Water	4/6/2017	1	500 mL Poly	HNO3 pH<2	N
	NA-EB-20170406	North Arvada Middle School	SVOC	Water	4/6/2017	2	1 liter amber	4 C	N
	NA-EB-20170406	North Arvada Middle School	Herbicide	Water	4/6/2017	2	1 liter amber	4 C	N
	NA-EB-20170406	North Arvada Middle School	Pesticide	Water	4/6/2017	2	250 mL amber	4 C	N
	NA-EB-20170406	North Arvada Middle School	VOC	Water	4/6/2017	3	40 ml VOA	4 C	N
	NA-SO-01-00-01	North Arvada Middle School	Pesticide & Herbicide	Soil	4/6/2017	1	8 oz Jar	4 C	N
	NA-SO-01-00-01	North Arvada Middle School	SVOC & pH	Soil	4/6/2017	1	4 oz Jar	4 C	N
	NA-SO-01-00-01	North Arvada Middle School	TAL Metals	Soil	4/6/2017	1	4 oz Jar	4 C	N
	NA-SO-01-01-09	North Arvada Middle School	Pesticide & Herbicide	Soil	4/6/2017	1	8 oz Jar	4 C	N
	NA-SO-01-01-09	North Arvada Middle School	SVOC & pH	Soil	4/6/2017	1	4 oz Jar	4 C	N
	NA-SO-01-01-09	North Arvada Middle School	TAL Metals	Soil	4/6/2017	1	4 oz Jar	4 C	N

Special Instructions: 19.1, 16.0+0.0 IR#7 JS 4/6/17

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
	[illegible]	4/6	[illegible]	4-6-17	1620						

USEPA
DateShipped: 4/6/2017
CarrierName:
AirbillNo:

CHAIN OF CUSTODY RECORD
Site #: R08040617
Contact Name: Eric Sandusky
Contact Phone: 678-516-7299

No: 8-040617-143047-0001
Cooler #:
Lab: TestAmerica Laboratories Inc.
Lab Phone: 303-736-0100

Lab #	Sample #	Location	Analyses	Matrix	Collected	Numb Cont	Container	Preservative	MS/MSD
	NA-SO-01-09-18	North Arvada Middle School	Pesticide & Herbicide	Soil	4/6/2017	1	8 oz Jar	4 C	N
	NA-SO-01-09-18	North Arvada Middle School	SVOC & pH	Soil	4/6/2017	1	4 oz Jar	4 C	N
	NA-SO-01-09-18	North Arvada Middle School	TAL Metals	Soil	4/6/2017	1	4 oz Jar	4 C	N
	NA-SO-01-16-18	North Arvada Middle School	VOC	Soil	4/6/2017	3	4 oz Jar	4 C	Y
	NA-SO-02-00-01	North Arvada Middle School	Pesticide & Herbicide	Soil	4/6/2017	1	8 oz Jar	4 C	N
	NA-SO-02-00-01	North Arvada Middle School	SVOC & pH	Soil	4/6/2017	1	4 oz Jar	4 C	N
	NA-SO-02-00-01	North Arvada Middle School	TAL Metals	Soil	4/6/2017	1	4 oz Jar	4 C	N
	NA-SO-02-01-09	North Arvada Middle School	Pesticide & Herbicide	Soil	4/6/2017	3	8 oz Jar	4 C	Y
	NA-SO-02-01-09	North Arvada Middle School	SVOC & pH	Soil	4/6/2017	3	4 oz Jar	4 C	Y
	NA-SO-02-01-09	North Arvada Middle School	TAL Metals	Soil	4/6/2017	3	4 oz Jar	4 C	Y
	NA-SO-02-09-18	North Arvada Middle School	Pesticide & Herbicide	Soil	4/6/2017	1	8 oz Jar	4 C	N

Special Instructions:

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
	Eric Sandusky	4/6	Sa	4-6-17	1620						

USEPA
DateShipped: 4/6/2017
CarrierName:
AirbillNo:

CHAIN OF CUSTODY RECORD
Site #: R08040617
Contact Name: Eric Sandusky
Contact Phone: 678-516-7299

No: 8-040617-143047-0001
Cooler #:
Lab: TestAmerica Laboratories Inc.
Lab Phone: 303-736-0100

Lab #	Sample #	Location	Analyses	Matrix	Collected	Numb Cont	Container	Preservative	MS/MSD
	NA-SO-02-09-18	North Arvada Middle School	SVOC & pH	Soil	4/6/2017	1	4 oz Jar	4 C	N
	NA-SO-02-09-18	North Arvada Middle School	TAL Metals	Soil	4/6/2017	1	4 oz Jar	4 C	N
	NA-SO-02-16-18	North Arvada Middle School	VOC	Soil	4/6/2017	1	4 oz Jar	4 C	N
	NA-SO-DUP1	North Arvada Middle School	Pesticide & Herbicide	Soil	4/6/2017	1	8 oz Jar	4 C	N
	NA-SO-DUP1	North Arvada Middle School	SVOC & pH	Soil	4/6/2017	1	4 oz Jar	4 C	N
	NA-SO-DUP1	North Arvada Middle School	TAL Metals	Soil	4/6/2017	1	4 oz Jar	4 C	N
	NA-SO-DUP2	North Arvada Middle School	VOC	Soil	4/6/2017	1	4 oz Jar	4 C	N
	ST-EB-20170406	Stevens Elem School	TAL Metals	Water	4/6/2017	1	500 mL Poly	HNO3 pH<2	N
	ST-EB-20170406	Stevens Elem School	SVOC	Water	4/6/2017	2	1 liter amber	4 C	N
	ST-EB-20170406	Stevens Elem School	Herbicide	Water	4/6/2017	2	1 liter amber	4 C	N
	ST-EB-20170406	Stevens Elem School	Pesticide	Water	4/6/2017	2	250 mL amber	4 C	N
	ST-EB-20170406	Stevens Elem School	VOC	Water	4/6/2017	3	40 ml VOA	4 C	N
	ST-SO-01-00-01	Stevens Elem School	SVOC	Soil	4/6/2017	1	4 oz Jar	4 C	N
	ST-SO-01-00-01	Stevens Elem School	TAL Metals	Soil	4/6/2017	1	4 oz Jar	4 C	N

Special Instructions:

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
	[signature]	4/6	[signature]	T-6-17	1620						

USEPA
DateShipped: 4/6/2017
CarrierName:
AirbillNo:

CHAIN OF CUSTODY RECORD
Site #: R08040617
Contact Name: Eric Sandusky
Contact Phone: 678-516-7299

No: 8-040617-143047-0001
Cooler #:
Lab: TestAmerica Laboratories Inc.
Lab Phone: 303-736-0100

Lab #	Sample #	Location	Analyses	Matrix	Collected	Numb Cont	Container	Preservative	MS/MSD
	ST-SO-01-01-09	Stevens Elem School	Pest/Herb	Soil	4/6/2017	3	8 oz Jar	4 C	Y
	ST-SO-01-01-09	Stevens Elem School	SVOC	Soil	4/6/2017	3	4 oz Jar	4 C	Y
	ST-SO-01-01-09	Stevens Elem School	TAL Metals	Soil	4/6/2017	3	4 oz Jar	4 C	Y
	ST-SO-01-09-18	Stevens Elem School	SVOC	Soil	4/6/2017	1	4 oz Jar	4 C	N
	ST-SO-01-09-18	Stevens Elem School	TAL Metals	Soil	4/6/2017	1	4 oz Jar	4 C	N
	ST-SO-01-15-16	Stevens Elem School	VOC	Soil	4/6/2017	3	4 oz Jar	4 C	Y
	ST-SO-DUP1	Stevens Elem School	Pest/Herb	Soil	4/6/2017	1	8 oz Jar	4 C	N
	ST-SO-DUP2	Stevens Elem School	SVOC	Soil	4/6/2017	1	4 oz Jar	4 C	N
	ST-SO-DUP2	Stevens Elem School	TAL Metals	Soil	4/6/2017	1	4 oz Jar	4 C	N
	ST-SO-DUP3	Stevens Elem School	VOC	Soil	4/6/2017	1	4 oz Jar	4 C	N

Special Instructions:

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
	[illegible]	4/6	SPW T-6-17 [illegible]	T-6-17	1820						

Login Sample Receipt Checklist

Client: Weston Solutions, Inc.

Job Number: 280-95601-2

Login Number: 95601
List Number: 1
Creator: True, Joshua A

List Source: TestAmerica Denver

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	Refer to Job Narrative for details.
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

APPENDIX D

Targeted Brownfields Assessment (TBA) Application

EPA Region 8 accepts applications for environmental assessment assistance at brownfields properties on an ongoing basis. To request Region 8's technical assistance, please complete this application. The information provided will be evaluated to determine if the applicant and site meet the selection criteria for the TBA program. EPA will also evaluate whether funding is available to perform the requested assessment within the desired schedule. Applicants will be contacted promptly after this review. For more information on TBAs, please visit: www.epa.gov/region8/brownfields/tba.html

1. Applicant Information

Applicant Organization	Denver Urban Gardens
Contact Person and Title	Jessica Romer, Director of Horticulture
Street Address	1031 33rd Street, Suite 100
City, State ZIP Code	Denver, CO 80205
Phone	303-292-9900
Fax	
Email Address	jessica@dug.org

2. Site Description and History

Site Name	Stevens Elementary School
Address	7101 W 38th Ave. Wheatridge, CO 80033
Acreage	.19
Lat/Long Coordinates	39.770300, -105.077742
Current Owner's Name	Jeffco Public Schools
Current Owner's Address	809 Quail Street, Lakewood, CO 80215

A. Please provide a brief description of the property and the specific assessment(s) you wish to have performed (e.g., Phase I, II and/or cleanup planning):

   We would like to have a Phase II conducted for the purposes of establishing if the site is suitable for establishing a community garden.

B. When you would like the assessment(s) to be conducted? What is the project timeline?

   We would like the assessment to be conducted at the EPA's earliest convenience; construction on the community garden is scheduled to begin in summer 2017.

C. Why would you like the assessment(s) conducted? (TBAs can be used to facilitate property acquisitions, meet EPA grant application requirements, characterize contamination for environmental cleanup, among other reasons.)

   We would like the assessment to be conducted to determine the safety of the soil in which Stevens students and neighborhood residents will be growing food for personal and school cafeteria consumption as well as food bank donation.

D. Describe the environmental conditions at the site, including potential contaminates and a summary of any known past environmental investigations. Describe the past uses of the site.

The school was built in 1995. From an aerial photograph in 1978, the site appears to have been an undeveloped parcel. There is often standing water at the site, and a storm drain inlet is located on the east end of the garden area.

E. Is the applicant the property owner? **(Yes/No) NO.**

F. If not, does the applicant have legal permission to enter the property to conduct the site assessment activities? **(Yes/No**) **YES.** Note, applicant will be required to secure access.

G. Do you know how and when the contamination occurred? **(Yes/No)** If yes, describe. Note, applicants who are responsible for causing contamination are not eligible for assistance under this program. **NO.**

H. Describe any state or federal regulatory involvement at the site related to its environmental condition.

None to our knowledge.

I. Is there an ongoing or planned state or federal enforcement action or order at the site? **(Yes/No) NO.** If yes, please explain.
   - **a.** Is the site on any state or federal environmental lists, such as the National Priorities Lists (NPL) or the Leaking Underground Storage Tanks (LUST) list? **(Yes/No)** If yes, please explain.
   - **b.** If petroleum contamination is suspected, has the applicant worked with the State or EPA to determine eligibility*? **(Yes/No/NA)** If yes, please explain.

3. Property Reuse and Redevelopment

A. Describe the anticipated reuse or redevelopment of the property.

The site is currently Kentucky Bluegrass and it does not have a programmed use. Stevens has partnered with Denver Urban Gardens to reuse part of the existing parcel to establish a school-based community garden. Consumers of garden produce include gardeners, students, family and staff.

B. Describe any commitments in place to show this brownfields site will be cleaned up and redeveloped or reused. Please indicate potential or secured funding sources for cleanup and redevelopment.

Denver Urban Gardens is committed to working with Jeffco Public Schools and Stevents community to establish a school-based community garden. DUG holds a use agreement with Jeffco Schools that covers all of our school-based community gardens on their property. Additionally, this project is funded by Target, the PTA and a school-based 21st Century Grant.

C. Describe how site reuse/redevelopment will benefit the community (e.g., creation of jobs, green space, parks, sustainable/green redevelopment, a catalyst for further redevelopment in the area, etc). Privately owned sites must provide a substantial public benefit.

School-based community gardens are exactly that – community gardens on school

grounds. They are a partnership whereby residents and students grow side-by-side. Approximately 1/3 of the garden plots will be set aside for school use and the remaining 2/3 will go to the community. This garden will provide fresh, healthy food and authentically engage students, their families, and the surrounding community.

D. Will the property be sold or transferred to a different entity? If so, please describe.

No, but Denver Urban Gardens does hold a Use Agreement with Jeffco Public Schools.

E. Describe the roles of stakeholders in the project, e.g., community organizations, local government involvement, etc.

There are many stakeholders involved with this project. A local non-profit in Wheat Ridge, Localworks, has been part of the planning process and also has a garden group to help with the project. The school community and parents, including Stevens' Parent Teacher Association (PTA), are active in creating a community garden. In addition, the school has a health and wellness committee that supports the development and use of a community garden.

F. Describe efforts directed towards involving the community in site reuse planning activities.

Students and parents at Stevens and community members will actively participate in building the community garden as well as growing, cultivating and harvesting produce. Stevens community members also participated in a design workshop with Denver Urban Garden's Executive Director to provide input for their vision of the community garden and how it would integrate with the school. Programmatic opportunities for the school include garden-to-cafeteria and youth farmers markets.

4. Additional Information

Please email any supporting documentation such as regional and site location maps, photographs, prior site assessment reports and historical environmental information, if available, to the email address provided below.

5. Contact Information

To submit your application or for questions, please contact Bill Rothenmeyer, TBA Program Manager:

Email: rothenmeyer.william@epa.gov
Phone: 303-312-6045
Fax: 303-312-6065

*The Brownfields Law outlines specific criteria by which petroleum sites may be eligible for brownfields funding. Briefly, these criteria are that the site must be of "relatively low risk," there can be no viable responsible party, the applicant cannot be potentially liable for cleaning up the site, and the site must not be subject to a Resource Conservation and Recovery Act (RCRA) corrective action order. If a party is identified as being responsible for the site and that party is financially viable, then the site is not eligible for brownfields grant funds. For more information, visit www.epa.gov/oswer/docs/grants/epa-oswer-oblr-11-05.pdf.

APPENDIX E

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8
1595 Wynkoop Street
DENVER, CO 80202-1129
Phone 800-227-8917
http://www.epa.gov/region08

May 16, 2017

MEMORANDUM

FROM: Deborah McKean, Ph.D.
Toxicologist
Office of Ecosystems Protection and Remediation

TO: Christina Wilson
Brownfields Team, Assessment and Revitalization Program
Office of Ecosystems Protection and Remediation

SUBJECT: Qualitative Risk Assessment of Phase II ESA Data for Stevens Elementary School

Introduction:
The purpose of this assessment is to assess laboratory analysis results for presence volatile organic compounds (VOCs); semi-volatile organic compounds (SVOCs) Target Analyte List (TAL) metals; pesticides and herbicides in soil samples collected at the Site. This assessment evaluates the detected analytes thru a comparison to risk-based Regional Screening Levels (RSLs) for residential land use and information on background levels of metals in soil found in peer-reviewed literature. Although the screening levels do not directly evaluate ingestion of fruits and vegetables grown in this soil, the conservative nature of the RSLs are thought to subsume the fruit and vegetable ingestion pathways. Metals are first screened to background, only if the background level is exceeded, will the detection be compared to risk-based screening criteria. These comparisons will be the basis for the determination of suitability of this site as an urban garden.

Analytical Analysis Results.
The results highlighted in red in the attached analytical results tables are those that exceed RSLs for residential land use.

VOCs
No exceedances of RSLs were observed in any of the soil samples.

SVOCs
Exceedances of residential RSLs were observed for several polycyclic aromatic hydrocarbons (PAHs) in several samples. Those PAHs exceeding residential RSLs include: benzo-a-pyrene. It should be noted that PAHs, are often found at elevated levels in urban environments. Although exceedances are noted, the levels detected do not result in exposures and risk above EPA's target risk range. PAHs are found products of incomplete combustion of gasoline, oil, and coal, in asphalt, and as a result of forest fires. PAHs bind very tightly to soil and are not taken up into plant material.

Pesticides and Herbicides
No exceedances of RSLs were observed in any of the soil samples.

TAL Metals
Arsenic was found to exceed residential RSLs in a number of soil samples. Although exceeding residential RSLs, arsenic levels detected are within the range of concentrations typically found in the Denver area as reported by the United States Geological Society (http://pubs.usgs.gov/of/2014/1082/pdf/ofr2014-1082/pdf).

Conclusion:
Soil concentrations of PAHs were found to exceed RSL, but are within EPA's acceptable risk range. Arsenic were found to exceed residential RSL but is within the range of concentrations typically found in the Denver area. Based on the analytical results from the Phase II ESA, a garden is an appropriate use for the site.