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TRC Project Number: 185540

August 16, 2016

Massachusetts Department of Environmental Protection
Central Regional Office
8 New Bond Street
Worcester, Massachusetts 01610

RE: Immediate Response Action Completion Report
WRTA Bus and Vehicle Maintenance Facility
42 Quinsigamond Avenue
Worcester, Massachusetts
Release Tracking Number 2-19520 (linked to 2-19674)

To Whom It May Concern:

Consistent with the requirements of the Massachusetts Contingency Plan (MCP; 310 CMR 40.0000), specifically 310 CMR 40.0427, attached please find an Immediate Response Action (IRA) Completion Report for the above-referenced release in Worcester, Massachusetts. The Massachusetts Department of Environmental Protection (MassDEP) BWSC-105 – Immediate Response Action (IRA) transmittal form was submitted concurrently with this IRA Completion report through eDEP.

If you have any questions concerning the IRA Completion Report or transmittal form, please do not hesitate to contact me at (617) 350-3406 or via e-mail at cmcdermott@trcsolutions.com.

Sincerely,

TRC Environmental Corporation

Christopher McDermott, LSP
Program Director

cc: J. Church/WRTA
N. Depasquale/STV
MassDEP CERO

IMMEDIATE RESPONSE ACTION COMPLETION REPORT

**WRTA Bus and Vehicle Maintenance Facility
42 Quinsigamond Avenue
Worcester, Massachusetts
Release Tracking Number 2-19520 (linked to 2-19674)**

Prepared for:

**Worcester Regional Transit Authority
60 Foster Street
Worcester, Massachusetts 01608**

Prepared by:

**TRC Environmental Corporation
2 Liberty Square, 6th Floor
Boston, Massachusetts 02109**

August 2016

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- Appendix B Laboratory Analytical Data
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1.0 INTRODUCTION

On behalf of the Worcester Regional Transport Authority (WRTA), TRC Environmental Corporation (TRC) is submitting this Immediate Response Action (IRA) Completion Report for a Massachusetts Contingency Plan (MCP; 310 CMR 40.0000) 72-hour reporting condition pursuant to 310 CMR 40.0313(2). The IRA condition was encountered when organic vapor readings in excess of 100 parts per million by volume (ppmv) were measured in soil from the bottom of an approximate 85-foot diameter brick and metal-lined tank holder foundation containing petroleum. The tank holder foundation was uncovered during Site grading and construction activities to develop the Site for the new WRTA bus and vehicle maintenance facility located at 42 Quinsigamond Avenue, Worcester, Massachusetts (the Site). Following notification of the IRA condition, the Massachusetts Department of Environmental Protection (MassDEP) assigned Release Tracking Number (RTN) 2-19520 to the release. The report covers IRA activities from September 2015 through June 2016.

An IRA Transmittal Form (BWSC-105) was submitted concurrently with this IRA Completion report through eDEP; a copy is provided in Appendix A.

Contact information pertaining to the potentially responsible party and Licensed Site Professional (LSP) are listed below.

Responsible Party: Worcester Regional Transit Authority
 Attention: Mr. Jonathan Church
 Administrator
 60 Foster Street
 Worcester, MA 01608
 (508) 453-3400

Licensed Site Professional: Mr. Christopher McDermott, PE, LSP
 LSP License Number: 1955
 TRC Environmental Corporation
 2 Liberty Square, 6th Floor
 Boston, Massachusetts 02109
 (617) 350-3406

2.0 SITE OVERVIEW

2.1 Site Location and Description

The Site includes roughly 11 acres of vacant land located in the southern portion of the 25-40 Quinsigamond Avenue properties (which comprise roughly 17 acres) (see Figure 1). The Site is a former Manufactured Gas Plant (MGP) that operated between 1870 and 1969. The WRTA is the current owner of the Site, after recently purchasing it from NSTAR Gas and Electric (NSTAR) now known as Eversource, who used the vacant lots as laydown and storage for construction materials. WRTA is currently developing the Site for the new bus and vehicle maintenance facility. The new building, currently under construction, encompasses approximately half of the Site. Most of the Site has received asphalt pavement or has received loam/seed. Access to the entire Site is restricted by chain-link fencing and a locked vehicle gate. The Site is bordered to the east by Quinsigamond Avenue, beyond which are residential homes, an Eversource Office building, small businesses and Crompton Park. To the north, the Site is bordered by an Eversource lot undergoing redevelopment as a compressed natural gas facility and Lafayette Street. To the west, the Site is bounded by the Providence and Worcester Railroad tracks and to the south by land occupied by the Quinsigamond Combined Sewer Outflow (CSO) Storage and Treatment Facility and industrial properties.

2.2 Site Background

The Site is a former MGP facility that operated between 1870 and 1969. Gas manufacturing at the Site included coal carbonization, carbureted water gas, and oil gas. Tar distillation reportedly occurred from approximately the 1930's until the 1950's. Beginning in the 1950s, oil gas was produced from various petroleum products including crude oil, diesel fuel and light oils. Manufactured gas was cooled and purified before being distributed to homes and industries. Contaminants associated with MGP operations typically include phenol, creosote, benzene, toluene, ethylbenzene, and xylenes, polycyclic aromatic hydrocarbons, including naphthalene, sulfur, ammonium sulfate and cyanide. Other by-products or surplus materials typically found at a MGP facility include coal, tar, asphalt, coke, slag, and spent purifier box wastes. Above-grade structures were demolished and removed between 1969 and 1975 and, reportedly, accessible wastes and re-usable products were removed from above-ground structures (GTI, 1997).

2.3 Surrounding Receptors

Surrounding property uses include the Providence and Worcester railroad switchyard to the west and mixed use of industrial, commercial and residential to the north, east, and south. The property is located in a Non-Potential Drinking Water Source Area and potable water is provided via municipal connection (see Figure 2). The Middle River is located approximately 0.5 mile south of the property and is the closest body of water to the Site. According to the Massachusetts GIS system (MassGIS, 2014), no Areas of Critical Environmental Concern are located within 0.5 mile of the property. Protected Open Space (Crompton Park) is mapped within 500 feet on Quinsigamond Avenue between Endicott and Canton Street. The Millbury Street School and the Sacred Heart School are located approximately 0.5 mile south of the southern property boundary.

2.4 Site Regulatory Status

On October 30, 2015, the MassDEP issued a revised Notice of Responsibility (NOR) to both Eversource and WRTA. The revised NOR assigned the adjacent properties two different RTNs: 2-19674 and 2-00171. RTN 2-19674 is associated with the 42 Quinsigamond Avenue property, owned by WRTA. As discussed above, the 42 Quinsigamond Avenue property is being developed for the new WRTA bus and vehicle maintenance facility and the construction and earthwork at the property are being managed under a Release Abatement Measures (RAM) Plan submitted and approved by MassDEP in May 2014. The responsible parties identified by the NOR are both WRTA and Eversource for the 42 Quinsigamond Avenue property. RTN 2-00171 is currently associated with the 40 Quinsigamond Avenue property, owned by Eversource. The responsible party identified by the NOR is Eversource only.

On May 24, 2016, the RTN associated with the IRA (2-19520) was linked to the Site-wide RTN (2-19674). Future assessment, soil/waste management and required reporting will be addressed under RTN 2-19674.

3.0 IMMEDIATE RESPONSE ACTIONS

3.1 Reporting Condition

On April 26, 2015, TRC observed free phase non-aqueous phase liquid (NAPL) in sub-surface soil being excavated during Site-wide grade cuts. The sub-surface soil was contained within a large brick and metal-lined foundation. At that time, TRC collected one soil sample for total petroleum hydrocarbon (TPH) Fingerprint to identify the NAPL. The results of the analysis indicate the product is or is similar to No. 6 fuel oil. The structure may have been historically used to hold No. 6 oil, which may have been used as a fuel in the manufacturing of gas from coal.

On May 5, 2015, TRC oversaw the removal of approximately 1,200 cubic yards of petroleum-impacted soil from the structure by J. Derenzo Co. (the Remediation Contractor), of Brockton, Massachusetts. On May 26, 2015, following removal of the soil, the Remediation Contractor punctured a small opening in the metal liner to observe the soil beneath the structure. Upon puncturing the metal liner, an odor was noted and slight greying of the underlying sand was observed, which may be indicative of impact from the petroleum. TRC collected one sample of the soil beneath the metal liner for field screening using the MassDEP jar headspace procedure. A 72-hour MCP reporting condition, pursuant to 310 CMR 40.0313(2), was encountered when field screening of soil collected from beneath the structure foundation revealed a headspace concentration of 186.3 ppmv as benzene. On behalf of WRTA, TRC's LSP, Ms. Lauren Lesinski, orally notified MassDEP of the release at 10:50 a.m. on May 27, 2015 and MassDEP assigned RTN 2-19520 to the release.

3.2 IRA Plan

At the time of notification and as included in the approved IRA Plan, MassDEP provided oral approval to conduct the following immediate response actions:

- 1) Excavate up to 2,000 cubic yards of contaminated soil from the immediate vicinity of the structure; and
- 2) Verify all petroleum-impacted soils within the structure excavation were removed via post excavation sampling.

The planned tar tank foundation removal work and soil remediation was conducted under the IRA in accordance with 310 CMR 40.0410, as discussed below.

3.3 Work Completed Under the IRA

3.3.1 Necessary Permits and Approvals

Massachusetts Dig-Safe had been notified of the excavation work at the Site. No other federal, state or local permits were required to complete this IRA.

3.3.2 Soil Removal from Former No. 6 Oil and Gas Tank Foundation

An approximate 85 foot diameter, metal-lined, brick structure was discovered during Site grading and construction activities related to the construction of the new WRTA bus and vehicle maintenance facility. Figure 3 shows the location of the structure in relation to other existing and proposed Site features.

Prior to excavation of the soil, the Remediation Contractor removed infiltrated water from prior rain events that had become contained by the holder foundation. Between May 1 and May 5, 2015, the Remediation Contractor dewatered the tank holder foundation using a centrifugal pump, removing approximately 5,500 to 7,600 gallons of petroleum-impacted water. The water was removed from the tank holder foundation, filtered through a mesh bladder bag and discharged to an on-Site area within the Disposal Site boundary. TRC observed the transfer of the water and no NAPL was discharged to the subsurface. Following dewatering, the spent mesh bladder and a deminimis amount of trapped sediment was added to the on-Site waste stream for treatment and disposal.

Between May 4 and May 5, 2015, the Remediation Contractor removed approximately 1,200 cubic yards of petroleum-impacted soil. The soil was stockpiled on-Site on top of and covered by polyethylene sheeting awaiting transport and disposal. During the excavation, a large brick foundation wall was unearthed along the western edge of the tank holder foundation. The Remediation Contractor observed that the wall was retaining the sloped soil behind it. In order to safely excavate the remaining petroleum-impacted soil within the tank holder foundation, additional equipment, and evaluation of the structural integrity of the brick wall and/or safety measures would be required before proceeding.

As discussed in Section 3.1 above, on May 26, 2015, the Remediation Contractor, using a Caterpillar 374 model excavator, advanced an approximate 4 foot by 7 foot opening in the metal liner using the excavator bucket. TRC collected one soil sample from the base of the tank holder foundation excavation at approximately eight feet below original grade. The screened soil sample using the MassDEP jar headspace method revealed a headspace concentration of 186.3 ppmv as benzene, which required notification to MassDEP and performance of an IRA under the MCP. TRC also directed the Remediation Contractor to advance one test pit in the same area approximately another 6 feet below existing grade (a total of 14 feet below original grade). The soil at this depth did not appear to have any staining or noticeable odor (test pit log submitted in previous status reports).

On May 29, 2015, the Remediation Contractor completed excavating the remaining petroleum-impacted soil contained within the structure. An approximate 350 cubic yards of soil was placed on and covered by polyethylene sheeting, stockpiled separately from the previously excavated soil which will be characterized for disposal. A TPH fingerprint sample was collected of the free phase product comingled with the soil and the results indicated the soil also contained No. 6 fuel oil.

During removal of the metal liner and brick foundation, petroleum-impacted soil was observed between the metal liner and the brick foundation wall. The Remediation Contractor excavated approximately 200 cubic yards of petroleum-impacted soil comingled with brick debris and

stockpiled it separately from the other soil excavated from the tank holder foundation. Combined, a total of approximately 1,800 cubic yards of soil comingled with brick debris from the partially demolished foundation has been excavated to date. The stockpiled soil was characterized by TRC for off-Site disposal. A TPH fingerprint sample was collected of the free phase product comingled with the soil and the results indicated the soil contained No. 6 fuel oil.

3.3.3 Soil Waste Characterization Sampling

On May 7, 2015, eight waste characterization samples were collected from the 1,200 cubic yard soil stockpile. The waste characterization samples were submitted to Con-Test Analytical Laboratories (Con-Test) of East Longmeadow, Massachusetts for laboratory analysis of VOCs via EPA Method 8260B, total petroleum hydrocarbons diesel range organics (TPH-DRO) via EPA Method 8015M, eight Resource Conservation and Recovery Act (RCRA) metals, and ignitability.

On July 23, 2015, additional sampling and analysis beyond the preliminary soil stockpile assessment conducted in May was needed as more material was added to the pile, and supplementary parameters were required from the disposal facility because they considered the material an urban fill impacted disposal category. An additional 14 waste characterization samples were collected from the approximate 1,800 cubic yard set of stockpiled soils to facilitate off-Site disposal (Figure 4). The results of both sampling events are summarized on Table 1 and the laboratory reports are included in Appendix B.

3.3.4 Metal Liner Removal and Brick Foundation Demolition

On June 3, 2015, the Remediation Contractor removed a portion of the metal liner and surrounding soil and brick foundation to facilitate grade cutting operations in the nearby area of the tank holder foundation. A 1.5 foot wide by 1.5 foot deep interior ring of concrete that supported the base of the brick foundation wall was encountered below the metal liner. The diameter of the concrete surrounding the petroleum-impacted soil measured approximately 65 feet. The uncontaminated concrete was subsequently removed and processed as backfill material for the building footprint.

The removed metal liner was added to the current metal and debris waste stream to be shipped off-Site to a metal scrap yard. Brick and other foundation debris not impacted by petroleum were added to the on-Site brick and concrete stockpiles for further processing.

3.3.5 Confirmatory Soil Screening and Sampling

On June 4, 2015, TRC screened the soil beneath a portion of the metal liner using visual and olfactory observations and a photoionization detector (PID). The limits of the petroleum-impacted soil were determined in the field using visual and olfactory evaluations, headspace screening using a PID and the MassDEP Jar Headspace Analytical Screening Procedure. Upon removal of the tank holder foundation metal liner, the following PID results were measured. Please refer to Figure 5 for headspace sample locations. After screening the soil, TRC collected three samples for Extractable Petroleum Hydrocarbons and Volatile Petroleum Hydrocarbons (EPH/VPH) at headspace locations 1, 3 and 5.

Headspace Sample IDs	PID (ppmv) as Benzene
1	447.0
2	308.2
3	248.8
4	241.7
5	330.4
6	237.8
7	209.2
8	210.4
9	220.2

The soil samples were submitted to Con-Test for analysis of VPH and EPH in accordance with MassDEP analytical methods. The soil samples were placed in laboratory-provided sample containers and stored on ice until delivery to the laboratory. Sample locations are shown on Figure 5.

Copies of the post excavation analytical laboratory result reports are provided in Appendix B.

3.3.6 Backfilling and Site Restoration

As mentioned in previous reports, observations have been made as to whether No. 6 oil is mobile and migrating from the holder foundation. The latest observation in June 2016 did not note any mobile No. 6 oil or other product migrating from the foundation.

The excavation was backfilled reusing soils which formerly overlaid the buried brick foundation and from Site grade cut soils. On June 17, 2016, the Remediation Contractor placed a visual demarcation layer and final subgrade soils (sub RCS-1 soils) on top of the area consisting of the holder foundation. As construction activities progress, Site stabilization materials (e.g., riprap and loam/seed) as well as asphalt pavement are expected to be placed in the area of the holder foundation. These activities are planned for the summer of 2016.

3.4 Evaluation of IRA Completion Criteria

3.4.1 Waste Characterization Sample Results

Analytical results of the No. 6 oil-impacted soil samples collected for disposal characterization are summarized in Table 1. Sample locations are depicted on Figure 4. Copies of the laboratory reports are included in Appendix B.

The analytical results of the stockpiled No. 6 oil-impacted soil excavated from within the brick foundation exhibited contaminant concentrations that would be suitable for disposal/reuse at a thermal processing and/or asphalt batching facility. Therefore, the Remediation Contractor selected Waste Management's Turnkey Landfill in Rochester, New Hampshire for disposal.

3.4.2 Post Excavation Sample Results

The post-excavation soil sampling results from the former oil and gas holder foundation excavation are presented in Table 2 and are compared to the MCP Method 1 S-2/GW-2, S-2/GW-3, S-3/GW-2, S-3/GW-3 standards and the MCP Upper Concentration Limits (UCLs), which are appropriate for characterizing risk to future workers of the new WRTA bus and vehicle maintenance facility. The concentrations of EPH and VPH constituents in the soil samples analyzed are well below UCLs and MCP Method 1 S-2/GW-2, S-2/GW-3, S-3/GW-2, S-3/GW-3 standards.

3.4.3 Other Relevant Site Data

A historical monitoring well, B101A-OW(SH), as shown on Figure 5, was located approximately 160 feet south of where the brick holder foundation was excavated. According to the Phase II report prepared by GTI, consultants to the former Commonwealth Gas Company (GTI, 1997), the well can be considered downgradient based upon groundwater contours, was advanced 24 feet below grade and screened from 9 to 24 feet. The report notes that the monitoring well contained no NAPL.

The excavation to remediate and demolish the brick holder foundation was advanced approximately 9 feet below existing grade, presumably five feet above the existing groundwater table as observed in the area during excavations associated with construction. Based upon visual inspection of the underlying soils showing no signs of free phase product, and the results of the post excavation samples below UCLs and historical data indicating no observed NAPL in the nearby groundwater monitoring well, it is TRC's opinion that groundwater was and has not been impacted by the No. 6 oil contained within the former brick holder foundation. Therefore, installation of an additional monitoring well and/or soil borings within the vicinity of the former brick holder foundation is not considered necessary.

3.4.4 Imminent Hazards, Critical Exposure Pathways (CEPs), and Substantial Release Migration

In accordance with 310 CMR 40.0427(1), an IRA shall not be considered complete until the conditions that gave rise to the need for the IRA have been assessed and, where necessary, remediated to ensure that Site conditions are stabilized, that no Imminent Hazards to health, safety, public welfare or the environment exist, and that no CEPs are present.

With respect to RTN 2-19520, the condition that gave rise to the need to conduct IRA activities was the measurement of organic vapors above 100 ppmv in soil greater than two feet below grade during removal of an underground structure [310 CMR 40.0313(2)]. Soil underlying the metal liner and brick foundation was not observed to contain free phase NAPL. Soil analytical results were below Method 1 standards and UCLs, which shows the contaminated soils impacted by the No. 6 oil contained within the structure were completely removed.

The residually impacted soil will be overlaid with imported clean soil (sub RCS-1), loam and seed, and/or asphalt pavement. According to the development drawings, at least an 18 inch cover layer of sub RCS-1 material will be placed on top of the residually impacted soil, thereby addressing the

direct contact pathway. Exposures to the residual contaminated soil from the holder tank foundation during on-going construction and excavation work will be managed under the current RAM Plan and in the future, any excavation work within the Disposal Site boundary is expected to be managed under an Activity Use Limitation, Soil Management Plan, and Health and Safety Plan. Therefore, an Imminent Hazard to human health, safety, public welfare or the environment does not exist.

According to 310 CMR 40.0414(3) of the MCP, IRAs shall be presumed to require the elimination and/or mitigation of CEPs. However, this presumption may be rebutted based upon a showing by “a preponderance of the evidence that: the Critical Exposure Pathway(s) does not present an Imminent Hazard, either at present or for the time period that is likely to be required for the implementation and/or completion of Comprehensive Response Actions.” Because there is no existing or anticipated Imminent Hazard at the Site, the presumption of a CEP has been rebutted.

The migration of No. 6 impacts was limited to the soil immediately adjacent to and beneath the holder foundation. Separate phase NAPL was not observed beneath the foundation and contaminant migration did not extend to groundwater. Therefore a Condition of Substantial Release Migration, as defined in 310 CMR 40.0006, does not exist.

4.0 MANAGEMENT OF REMEDIATION WASTE

4.1.1 Transport and Disposal of Remediation Wastes

Between August 28 and September 10, 2015, 1,969 tons (approximately 1,313 cubic yards) of stockpiled No. 6-impacted soil regulated under 2-19520 were loaded into tractor trailers and transported from the Site under MassDEP Bills of Lading (BOLs) to the Waste Management's Turnkey Landfill in Rochester, New Hampshire. Copies of the waste transport and disposal documentation can be found in Appendix C. An attestation of soils transported and disposed of off-Site is attached in Appendix D.

4.1.2 Management of Other Remediation Waste

Groundwater was not encountered during the excavation or demolition of the brick holder foundation and therefore, did not need to be managed.

5.0 FINDINGS AND CONCLUSIONS OF IRA

A 72-hour MCP reporting condition, pursuant to 310 CMR 40.0312(2), was encountered when jar headspace readings above 100 ppmv (as benzene) were recorded in soil beneath the former brick holder foundation and metal liner. On May 27, 2015, on behalf of WRTA, TRC orally notified MassDEP of the situation.

The objectives of the IRA have been completed as summarized below:

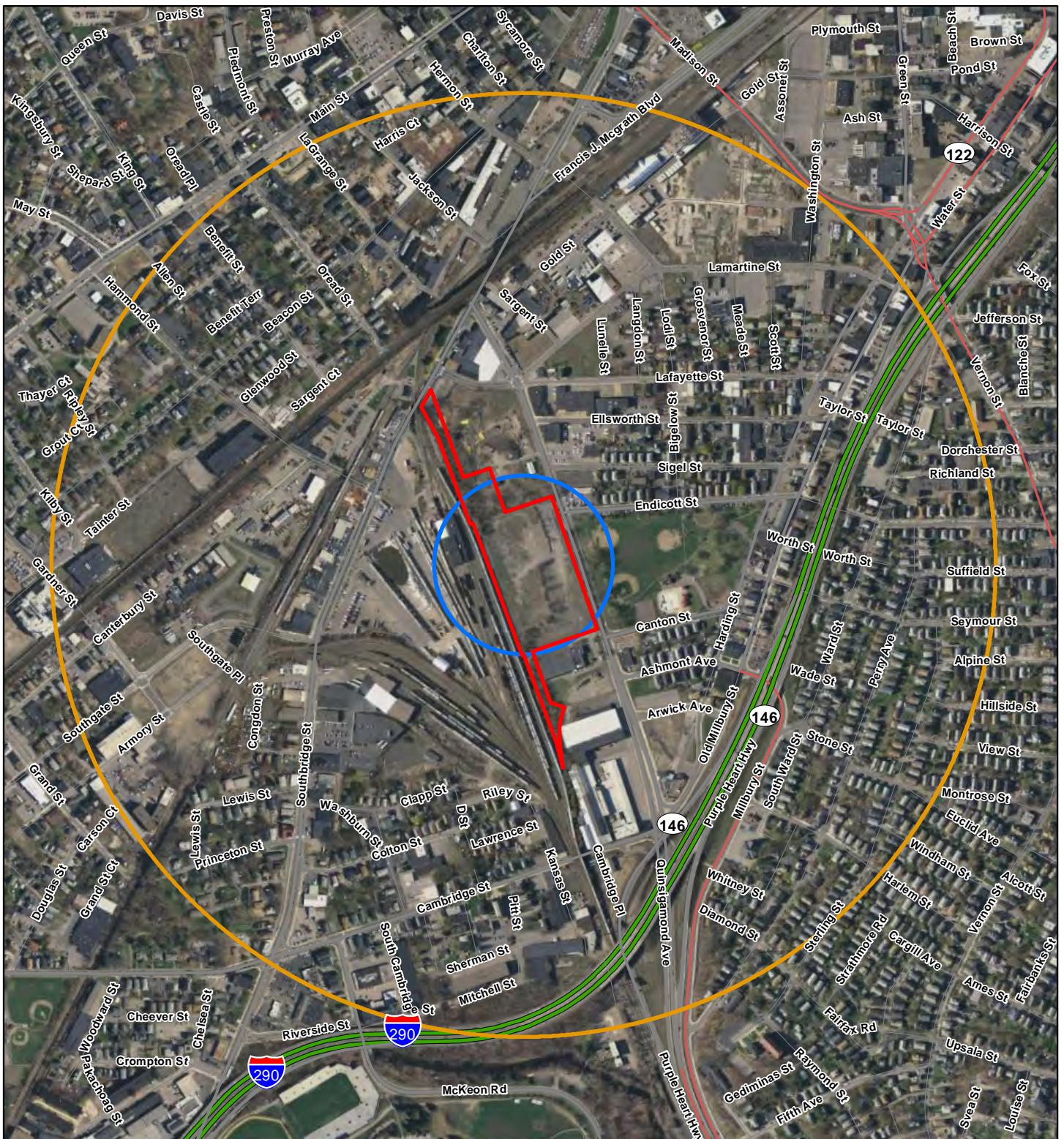
- Approximately 1,313 cubic yards of No. 6-impacted soil and demolished brick foundation were generated during the remediation of the former holder foundation. The soil was stockpiled on and covered with polyethylene sheeting following each day of excavation. Between August 28 and September 10, 2015, 1,969 tons (approximately 1,313 cubic yards) of stockpiled No. 6 fuel oil-impacted soil regulated under 2-19520 were loaded into tractor trailers and transported from the Site under MassDEP BOLs to the Waste Management's Turnkey Landfill in Rochester, New Hampshire;
- Post excavation samples were collected from the base of the tar tank foundation excavation for VPH, EPH and target compounds. The post excavation results indicated soils with concentrations below MCP Method 1 standards and UCLs. In addition, no further migration of No. 6 fuel oil has been observed from the former holder foundation. These conditions verify that all No. 6-oil had been removed from the structure;
- It is TRC's opinion that groundwater was not impacted by the No. 6 oil contained in the holder foundation and that no further assessment of groundwater was necessary because:
 - The base of the former holder foundation excavation was approximately five feet above the existing groundwater table,
 - Historical reports indicated a nearby monitoring well, B101A-OW(SH) showed no evidence of NAPL in the groundwater, and
 - Analytical data and observations of the underlying tar tank foundation soils showed no impacts by No. 6 oil (less than Method 1 standards),

As mentioned above, RAM activities associated with the construction of the new WRTA bus and vehicle maintenance facility at 42 Quinsigamond Avenue (RTN 2-19674) are currently underway. RAM status reports for the work occurring at this property will continue to be submitted to MassDEP as required by the MCP. Remediation work associated with the 40 Quinsigamond Avenue property (RTN 2-00171) is being managed by Eversource.

6.0 REFERENCES

- GTI, 1997. *MCP Phase II Comprehensive Site Assessment Report, Former Manufacturing Gas Facility, 40 Quinsigamond Ave, Worcester, Massachusetts.* Groundwater Technology, Inc. January 1997.
- MassGIS, 2014. MassGIS Datalayers. Accessed March 5, 2014.
<http://www.mass.gov/anf/research-and-tech/it-serv-and-support/application-serv/office-of-geographic-information-massgis/datalayers/layerlist.html>
- MassDEP, 1996. Policy #WSC-402-96, Commonwealth of Massachusetts Underground Storage Tank Closure Assessment Manual, dated April 9, 1996.
- MassDEP, 2002. Policy #WSC-02-411, Characterizing Risks Posed by Petroleum Contaminated Sites: Implementation of the MassDEP VPH/EPH Approach – Final Policy, dated October 31, 2002.
- MassDEP, 2014. Massachusetts Contingency Plan, 310 CMR 40.0000, effective date, April 14, 2014.

FIGURES



- Disposal Site Boundary
- 500-foot Buffer
- Half-mile Buffer

0 200 400 600
Feet

Source Data: MassGIS, 2016
Service Layer Credits: USGS, MassGIS

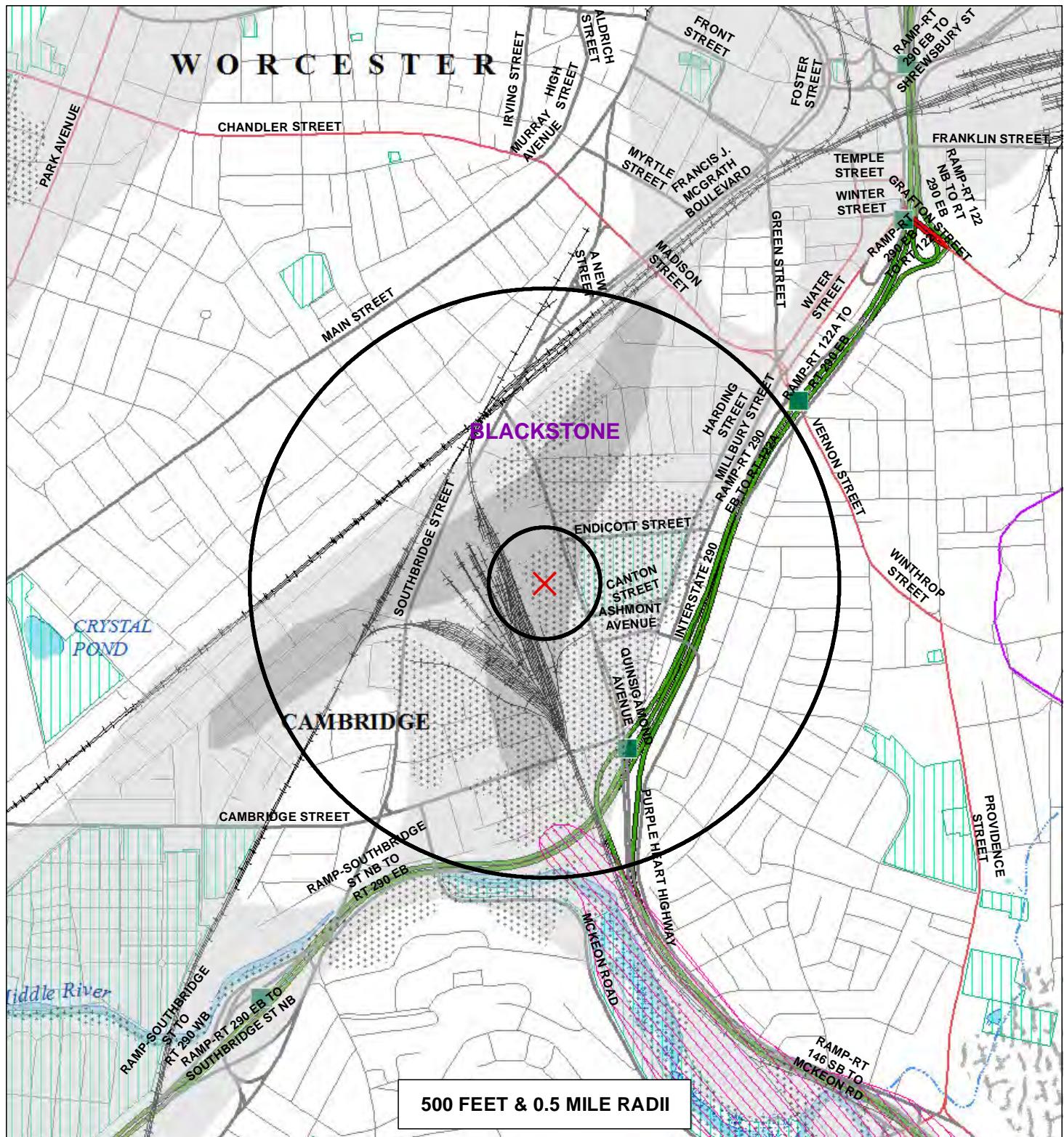


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**WRTA BUS AND VEHICLE
MAINTENANCE AND
OPERATIONS FACILITY**
**42 QUINSIGAMOND AVENUE
WORCESTER, MA**
DISPOSAL SITE MAP

FIGURE 1

DATE: 3/8/2016



- Roads: Limited Access, Multi-Lane, Major/Minor, Track, Trail
- Railroad, Pipeline, Powerline
- Major Basin, Sub Basin, Perennial Stream, Intermittent Stream
- Shoreline, Man made Shore, Dam, Aqueduct
- Wetland, Salt Wetland, Submerged Wetland, Open Water, Reservoir, Tidal Flat/Shoal
- Potentially Productive Aquifers: Medium, High Yield
- Non-Potential Drinking Water Source Area: Medium, High Yield
- EPA Sole Source Aquifer, FEMA 100 Yr. Floodplain, DEP Solid Waste Facility
- Approved Zone II, IWPA, Surface Water Supply Zone A
- Protected Open Space, ACEC
- Priority Habitat, Certified Vernal Pool
- Boundaries: County and Town
- Public Water Supplies: Ground, Surface, Non-Community (NTNC, TNC)
- Source: MassGIS/EOEA



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FIGURE 2

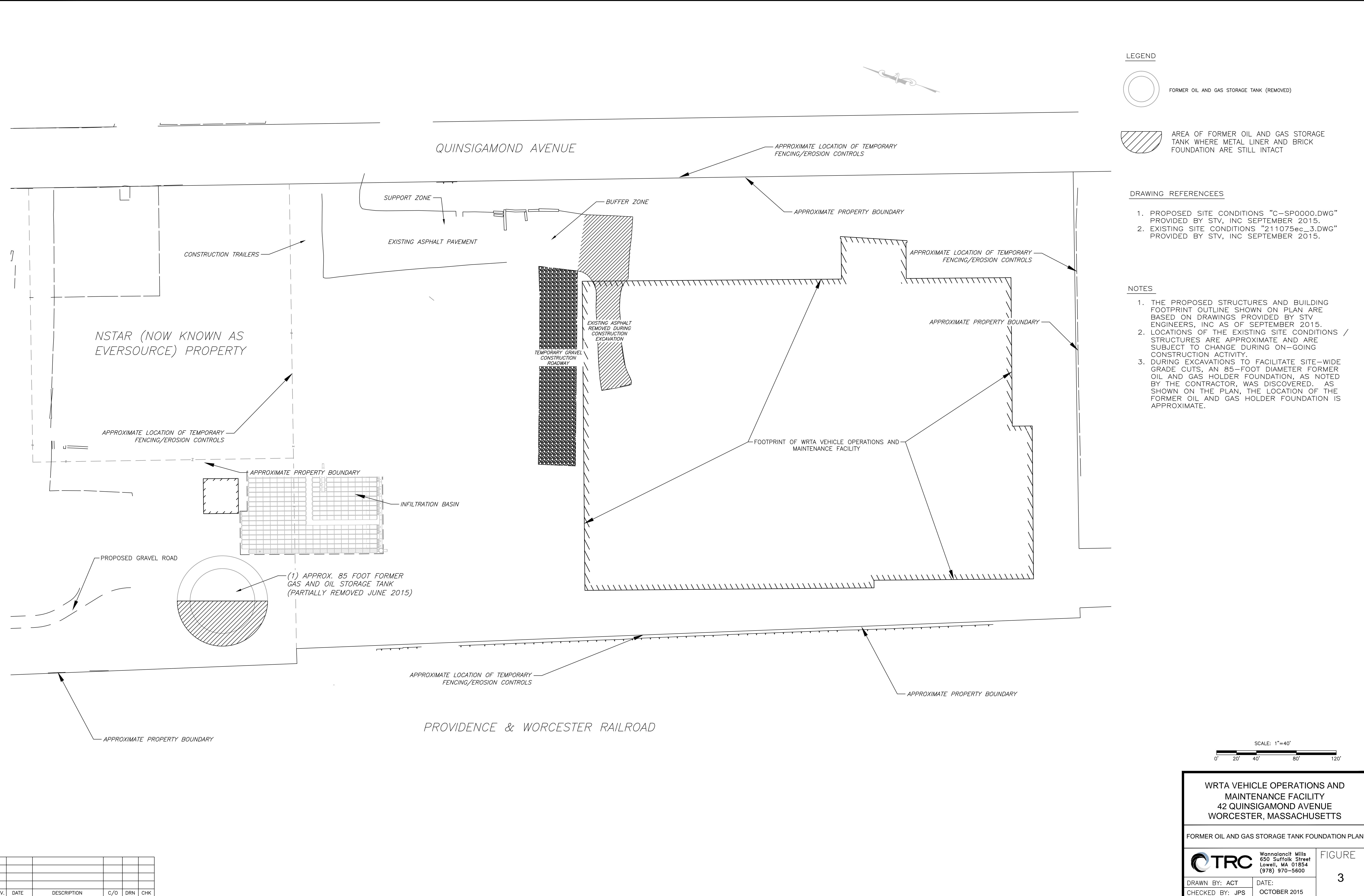
MASSDEP PRIORITY RESOURCES MAP
42 QUINSIGAMOND AVENUE
WORCESTER, MA

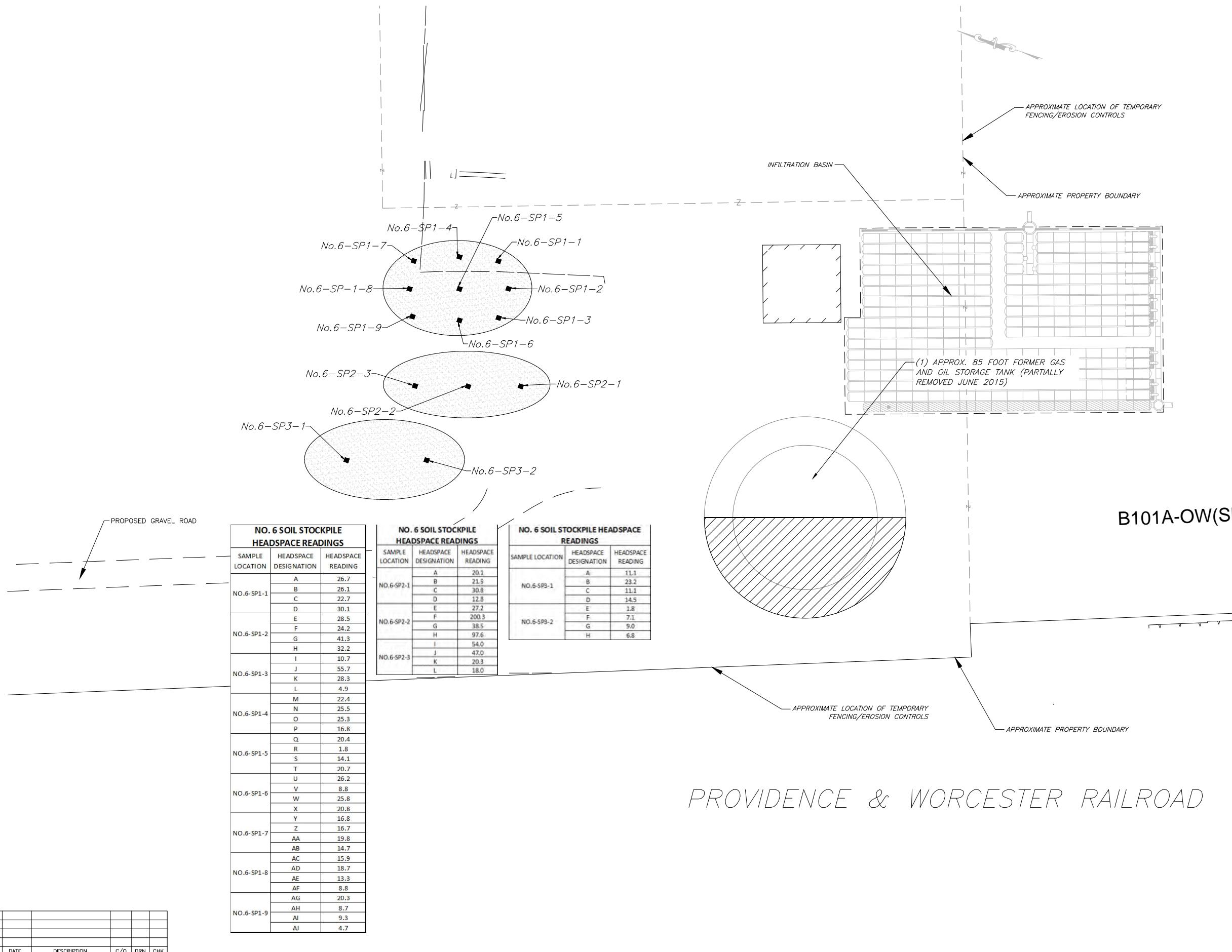


N

0 500 1,000 1,500
Feet

MAR
2016





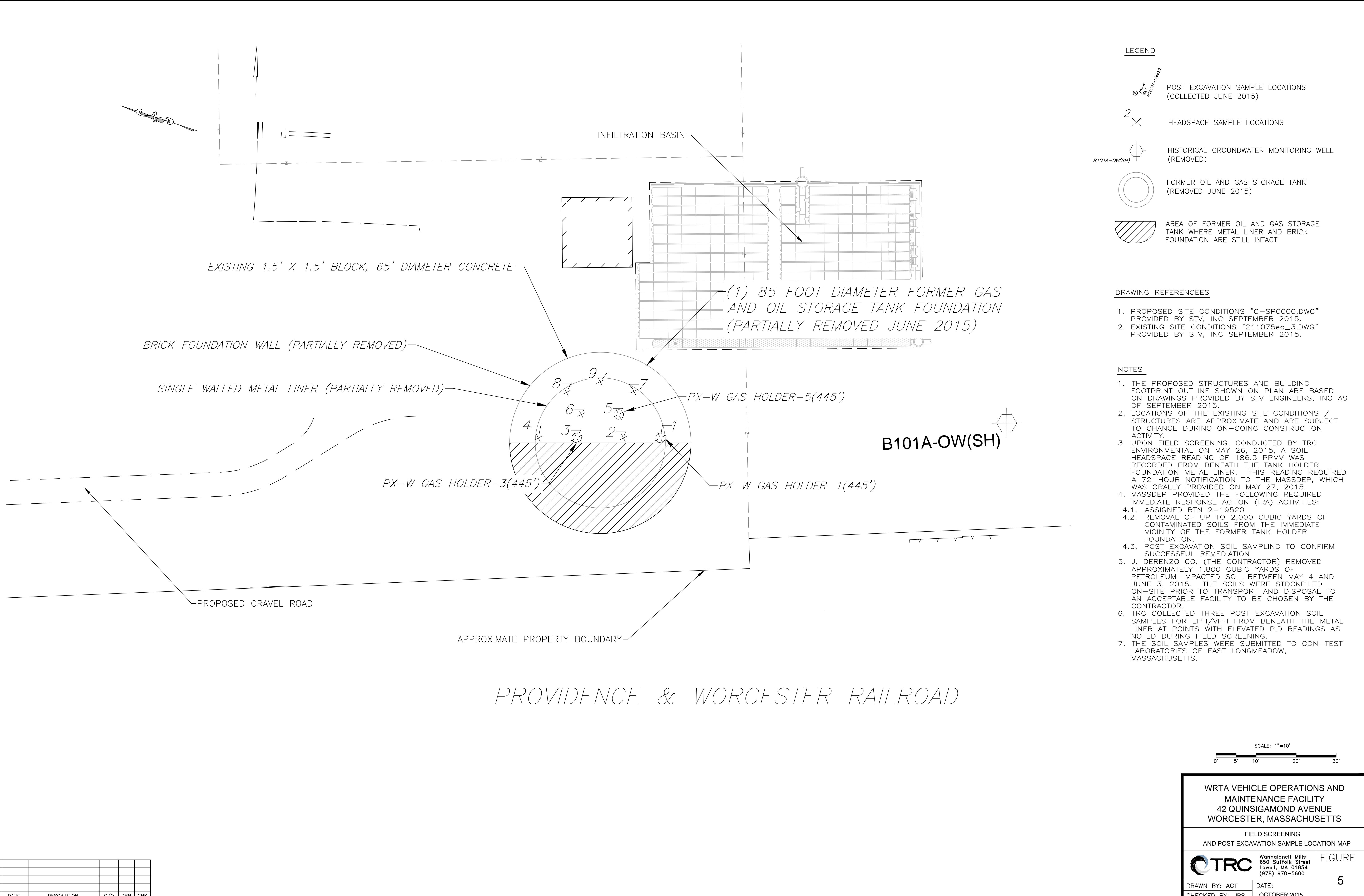
WRTA VEHICLE OPERATIONS AND
MAINTENANCE FACILITY
42 QUINSIGAMOND AVENUE
WORCESTER, MASSACHUSETTS

SOIL STOCKPILE SAMPLE LOCATIONS

TRC Worcester Mills
650 Suffolk Street
Lowell, MA 01854
(978) 970-5600

FIGURE 4

DRAWN BY: ACT DATE:
CHECKED BY: JPS OCTOBER 2015



TABLES

Table 1
Summary of Analytical Results for Excavated Stockpile Soil Samples -- May and July 2015
WRTA - 42 Quinsigamond Avenue
Worcester, Massachusetts

Analysis	Analyte	Sample ID: Sample Date: Recycling Level WM NH	No. 6 - Stockpile-1 5/7/2015	No. 6 - Stockpile-2 5/7/2015	No. 6 - Stockpile-3 5/7/2015	No. 6 - Stockpile-4 5/7/2015	No. 6 - Stockpile-5 5/7/2015	No. 6 - Stockpile-6 5/7/2015	No. 6 - Stockpile-7 5/7/2015	No. 6-SP1-1 7/23/2015	No 6-SP1-2 7/23/2015	No 6-SP1-3 7/23/2015	No 6-SP1-4 7/23/2015	No 6-SP1-5 7/23/2015	No 6-SP1-6 7/23/2015	No 6-SP1-7 7/23/2015	No 6-SP1-8 7/23/2015	No 6-SP1-9 7/23/2015	No 6-SP2-1 7/23/2015	No 6-SP2-2 7/23/2015	No 6-SP3-1 7/23/2015	No 6-SP3-2 7/23/2015			
			Excavated	Excavated	Excavated	Excavated	Excavated	Excavated	Excavated	Excavated	Excavated	Excavated	Excavated	Excavated											
			Excavated	Excavated	Excavated	Excavated	Excavated	Excavated	Excavated	Excavated	Excavated	Excavated	Excavated	Excavated											
VOCs (mg/kg)	Acetone	N/A	2.5 U	2.1 U	2.4 U	48 U	48 U	4.1 U	2.0 U	2.1 U	2.3 U	2.0 U	44 U	0.071 U	0.077 U	0.085 U	0.077 U	0.072 U	1.4 U	2.4 U	36 U	4.3 U	1.8 U	2.2 U	
	tert-Amyl Methyl Ether (TAME)	N/A	0.025 U	0.021 U	0.024 U	0.48 U	0.48 U	0.041 U	0.020 U	0.021 U	0.023 U	0.020 U	0.44 U	0.0071 U	0.0077 U	0.0085 U	0.0077 U	0.0072 U	0.014 U	0.024 U	0.36 U	0.043 U	0.018 U	0.022 U	
	Benzene	N/A	0.10	0.12	0.13	0.96 U	0.97 U	0.082 U	0.049	0.061	0.66	0.14	0.89 U	0.0014 U	0.0015 U	0.0017 U	0.0015 U	0.0014 U	0.098	0.13	0.73 U	0.12	0.062	0.053	
	Bromobenzene	N/A	0.050 U	0.042 U	0.047 U	0.96 U	0.97 U	0.082 U	0.040 U	0.043 U	0.046 U	0.040 U	0.89 U	0.0014 U	0.0015 U	0.0017 U	0.0015 U	0.0014 U	0.028 U	0.048 U	0.73 U	0.087 U	0.036 U	0.044 U	
	Bromochloromethane	N/A	0.050 U	0.042 U	0.047 U	0.96 U	0.97 U	0.082 U	0.040 U	0.043 U	0.046 U	0.040 U	0.89 U	0.0014 U	0.0015 U	0.0017 U	0.0015 U	0.0014 U	0.028 U	0.048 U	0.73 U	0.087 U	0.036 U	0.044 U	
	Bromodichloromethane	N/A	0.050 U	0.042 U	0.047 U	0.96 U	0.97 U	0.082 U	0.040 U	0.043 U	0.046 U	0.040 U	0.89 U	0.0014 U	0.0015 U	0.0017 U	0.0015 U	0.0014 U	0.028 U	0.048 U	0.73 U	0.087 U	0.036 U	0.044 U	
	Bromoform	N/A	0.050 U	0.042 U	0.047 U	0.96 U	0.97 U	0.082 U	0.040 U	0.043 U	0.046 U	0.040 U	0.89 U	0.0014 U	0.0015 U	0.0017 U	0.0015 U	0.0014 U	0.028 U	0.048 U	0.73 U	0.087 U	0.036 U	0.044 U	
	Bromomethane	N/A	0.25 U	0.21 U	0.24 U	4.8 U	4.8 U	0.41 U	0.20 U	0.21 U	0.23 U	0.20 U	4.4 U	0.0071 U	0.0077 U	0.0085 U	0.0077 U	0.0072 U	0.14 U	0.24 U	3.6 U	0.43 U	0.18 U	0.22 U	
	2-Butanone (MEK)	<4,000	1.0 U	0.84 U	0.94 U	19 U	19 U	1.6 U	0.80 U	0.86 U	0.93 U	0.80 U	18 U	0.028 U	0.031 U	0.034 U	0.031 U	0.029 U	0.56 U	0.96 U	15 U	1.7 U	0.72 U	0.88 U	
	n-Butylbenzene	N/A	0.093	0.091	0.096	0.96 U	0.97 U	0.18	0.18	0.14	0.046 U	0.040 U	0.89 U	0.0014 U	0.0015 U	0.0017 U	0.0015 U	0.0014 U	0.028 U	0.048 U	0.73 U	0.087 U	0.054	0.044 U	
	sec-Butylbenzene	N/A	0.050 U	0.042 U	0.047 U	0.96 U	0.97 U	0.082 U	0.060	0.044	0.046 U	0.040 U	0.89 U	0.0014 U	0.0015 U	0.0017 U	0.0015 U	0.0014 U	0.028 U	0.048 U	0.73 U	0.087 U	0.036 U	0.044 U	
	tert-Butylbenzene	N/A	0.050 U	0.042 U	0.047 U	0.96 U	0.97 U	0.082 U	0.040 U	0.043 U	0.046 U	0.040 U	0.89 U	0.0014 U	0.0015 U	0.0017 U	0.0015 U	0.0014 U	0.028 U	0.048 U	0.73 U	0.087 U	0.036 U	0.044 U	
	tert-Butyl Ethyl Ether (TBEE)	N/A	0.025 U	0.021 U	0.024 U	0.48 U	0.48 U	0.041 U	0.020 U	0.021 U	0.023 U	0.020 U	0.44 U	0.00071 U	0.00077 U	0.00085 U	0.00077 U	0.00072 U	0.014 U	0.024 U	0.36 U	0.043 U	0.018 U	0.022 U	
	Carbon Disulfide	N/A	0.50 U	0.42 U	0.47 U	9.6 U	9.7 U	0.82 U	0.40 U	0.43 U	0.46 U	0.40 U	8.9 U	0.0043 U	0.0046 U	0.0051 U	0.0046 U	0.0043 U	0.28 U	0.48 U	7.3 U	0.87 U	0.36 U	0.44 U	
	Carbon Tetrachloride	<10	0.050 U	0.042 U	0.047 U	0.96 U	0.97 U	0.082 U	0.040 U	0.043 U	0.046 U	0.040 U	0.89 U	0.0071 U	0.0077 U	0.0085 U	0.0077 U	0.0072 U	0.028 U	0.048 U	0.73 U	0.087 U	0.036 U	0.044 U	
	Chlorobenzene	<2,000	0.21	0.24	0.21	0.96 U	0.97 U	0.49	0.55	0.30	0.93	0.16	0.89 U	0.0014 U	0.0015 U	0.0017 U	0.0015 U	0.0014 U	0.21	0.048 U	0.73 U	0.37	0.085	0.20	
	Chlorodibromomethane	N/A	0.025 U	0.021 U	0.024 U	0.48 U	0.48 U	0.041 U	0.020 U	0.021 U	0.023 U	0.020 U	0.44 U	0.0071 U	0.0077 U	0.0085 U	0.0077 U	0.0072 U	0.014 U	0.024 U	0.36 U	0.043 U	0.018 U	0.022 U	
	Chloroethane	N/A	0.10 U	0.084 U	0.094 U	1.9 U	1.9 U	0.16 U	0.080 U	0.086 U	0.093 U	0.080 U	1.8 U	0.0071 U	0.0077 U	0.0085 U	0.0077 U	0.0072 U	0.056 U	0.096 U	1.5 U	0.17 U	0.072 U	0.088 U	
	Chloroform	<120	0.10 U	0.084 U	0.094 U	1.9 U	1.9 U	0.16 U	0.080 U	0.086 U	0.093 U	0.080 U	1.8 U	0.0028 U	0.0031 U	0.0034 U	0.0031 U	0.0029 U	0.056 U	0.096 U	1.5 U	0.17 U	0.072 U	0.088 U	
	Chloromethane	N/A	0.10 U	0.084 U	0.094 U	1.9 U	1.9 U	0.16 U	0.080 U	0.086 U	0.23 U	0.20 U	4.4 U	0.0071 U	0.0077 U	0.0085 U	0.0077 U	0.0072 U	0.14 U	0.24 U	3.6 U	0.43 U	0.18 U	0.22 U	
	2-Chlorotoluene	N/A	0.050 U	0.042 U	0.047 U	0.96 U	0.97 U	0.082 U	0.49	0.55	0.30	0.93	0.16	0.89 U	0.0014 U	0.0015 U	0.0017 U	0.0015 U	0.0014 U	0.21	0.048 U	0.73 U	0.37	0.085	0.20
	4-Chlorotoluene	N/A	0.050 U	0.042 U	0.047 U	0.96 U	0.97 U	0.082 U	0.040 U	0.043 U	0.046 U	0.040 U	0.89 U	0.0014 U	0.0015 U	0.0017 U	0.0015 U</td								

Table 1
Summary of Analytical Results for Excavated Stockpile Soil Samples -- May and July 2015
WRTA - 42 Quinsigamond Avenue
Worcester, Massachusetts

Analysis	Analyte	Sample ID: Stockpile-1 5/7/2015	No. 6 - Stockpile-1 5/7/2015	No. 6 - Stockpile-2 5/7/2015	No. 6 - Stockpile-3 5/7/2015	No. 6 - Stockpile-4 5/7/2015	No. 6 - Stockpile-5 5/7/2015	No. 6 - Stockpile-6 5/7/2015	No. 6 - Stockpile-7 5/7/2015	No 6-SP1-1 7/23/2015	No 6-SP1-2 7/23/2015	No 6-SP1-3 7/23/2015	No 6-SP1-4 7/23/2015	No 6-SP1-5 7/23/2015	No 6-SP1-6 7/23/2015	No 6-SP1-7 7/23/2015	No 6-SP1-8 7/23/2015	No 6-SP1-9 7/23/2015	No 6-SP2-1 7/23/2015	No 6-SP2-2 7/23/2015	No 6-SP3-1 7/23/2015	No 6-SP3-2 7/23/2015		
			Excavated	Excavated	Excavated	Excavated	Excavated	Excavated	Excavated	Excavated	Excavated	Excavated	Excavated	Excavated	Excavated									
		Recycling Level WM NH	Excavated	Excavated	Excavated	Excavated	Excavated	Excavated	Excavated	Excavated	Excavated	Excavated	Excavated	Excavated	Excavated	Excavated								
Total VOCs	1,1,2-Trichloroethane	N/A	0.050 U	0.042 U	0.047 U	0.96 U	0.97 U	0.082 U	0.040 U	0.043 U	0.046 U	0.040 U	0.89 U	0.0014 U	0.0015 U	0.0017 U	0.0015 U	0.0014 U	0.028 U	0.048 U	0.73 U	0.087 U	0.036 U	0.044 U
	Trichloroethylene	< 10	0.050 U	0.042 U	0.047 U	0.96 U	0.97 U	0.082 U	0.040 U	0.043 U	0.046 U	0.040 U	0.89 U	0.0014 U	0.0015 U	0.0017 U	0.0015 U	0.0014 U	0.028 U	0.048 U	0.73 U	0.087 U	0.036 U	0.044 U
	Trichlorofluoromethane (Freon 11)	N/A	0.10 U	0.084 U	0.094 U	1.9 U	1.9 U	0.16 U	0.080 U	0.086 U	0.093 U	0.080 U	1.8 U	0.0071 U	0.0077 U	0.0085 U	0.0077 U	0.0072 U	0.056 U	0.096 U	1.5 U	0.17 U	0.072 U	0.088 U
	1,2,3-Trichloropropane	N/A	0.10 U	0.084 U	0.094 U	1.9 U	1.9 U	0.16 U	0.080 U	0.086 U	0.093 U	0.080 U	1.8 U	0.0028 U	0.0031 U	0.0034 U	0.0031 U	0.0029 U	0.056 U	0.096 U	1.5 U	0.17 U	0.072 U	0.088 U
	1,2,4-Trimethylbenzene	N/A	0.31	0.52	0.43	1.1	3.3	0.85	0.99	0.45	0.22	0.072	0.89 U	0.0014 U	0.0015 U	0.0017 U	0.0015 U	0.0014 U	0.078	0.048 U	5.3	0.25	0.067	0.053
	1,3,5-Trimethylbenzene	N/A	0.22	0.14	0.19	0.96 U	1.3	0.15	0.097	0.10	0.23 U	0.20 U	4.4 U	0.0028 U	0.0031 U	0.0034 U	0.0031 U	0.0029 U	0.14 U	0.24 U	5.2	0.43 U	0.20	0.22 U
	Vinyl Chloride	< 4	0.10 U	0.084 U	0.094 U	1.9 U	1.9 U	0.16 U	0.080 U	0.086 U	0.093 U	0.080 U	1.8 U	0.0071 U	0.0077 U	0.0085 U	0.0077 U	0.0072 U	0.056 U	0.096 U	1.5 U	0.17 U	0.072 U	0.088 U
	m+p Xylene	N/A	0.16	0.18	0.21	1.9 U	3.7	0.16	0.14	0.097	0.31	0.16	1.8 U	0.0028 U	0.0031 U	0.0034 U	0.0031 U	0.0029 U	0.11	0.10	2.9	0.19	0.072 U	0.10
	o-Xylene	N/A	0.12	0.11	0.16	0.96 U	2.3	0.082 U	0.051	0.049	0.13	0.053	0.89 U	0.0014 U	0.0015 U	0.0017 U	0.0015 U	0.0014 U	0.042	0.048	5.3	0.13	0.036 U	0.044 U
	Total VOCs	N/A	3.54	4.16	4.57	46.1	125	4.94	5.42	3.46	7.53	2.66	57.0	0.009	0.015	0.006	0.009	0.019	2.99	1.21	84.7	7.44	4.44	1.57
VOCs, TCLP																								
(mg/L)	Benzene	N/A	NA	NA	0.010 U	0.010 U																		
	2-Butanone (MEK)	N/A	NA	NA	0.20 U	0.20 U	0.20 U	0.20 U	0.43 J	0.20 U	0.20 U													
	Carbon Tetrachloride	N/A	NA	NA	0.050 U	0.050 U																		
	Chlorobenzene	N/A	NA	NA	0.010 U	0.010 U																		
	Chloroform	N/A	NA	NA	0.020 U	0.020 U																		
	1,4-Dichlorobenzene	N/A	NA	NA	0.0025 J	0.0039 J	0.0016 J	0.0024 J	0.0045 J	0.0016 J	0.0023 J	0.0031 J	0.0044 J	0.010 U	0.010 U	0.017 J	0.0072 J	0.011 J						
	1,2-Dichloroethane	N/A	NA	NA	0.010 U	0.010 U																		
	1,1-Dichloroethylene	N/A	NA	NA	0.010 U	0.010 U																		
	Tetrachloroethylene	N/A	NA	NA	0.010 U	0.010 U																		
	Trichloroethylene	N/A	NA	NA	0.020 U	0.020 U																		
SVOCs (mg/kg)	Acenaphthene	N/A	NA	NA	0.97	0.35	2.5	0.88	0.52	1.4	1.2	0.44	2.0	3.8	7.6	5.2	0.54	0.35 U						
	Acenaphthylene	N/A	NA	NA	5.2	2.3	6.1	6.2	3.3	6.1	5.1	2.8	6.3	6.9	4.1	4.3	1.2	2.3						
	Acetophenone	N/A	NA	NA	0.37 U	0.36 U	0.36 U	0.36 U	0.37 U	0.36 U	0.36 U	1.4 U	0.36 U	0.36 U	1.4 U	0.35 U	0.70 U							
	Aniline	N/A	NA	NA	NA	NA																		

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Analysis	Analyte	Sample ID:	No. 6 - Stockpile-1	No. 6 - Stockpile-2	No. 6 - Stockpile-3	No. 6 - Stockpile-4	No. 6 - Stockpile-5	No. 6 - Stockpile-6	No. 6 - Stockpile-7	No. 6 - Stockpile-8	No 6-SP1-1	No 6-SP1-2	No 6-SP1-3	No 6-SP1-4	No 6-SP1-5	No 6-SP1-6	No 6-SP1-7	No 6-SP1-8	No 6-SP1-9	No 6-SP2-1	No 6-SP2-2	No 6-SP2-3	No 6-SP3-1	No 6-SP3-2				
		Sample Date:	5/7/2015	5/7/2015	5/7/2015	5/7/2015	5/7/2015	5/7/2015	5/7/2015	5/7/2015	7/23/2015	7/23/2015	7/23/2015	7/23/2015	7/23/2015	7/23/2015	7/23/2015	7/23/2015	7/23/2015	7/23/2015	7/23/2015	7/23/2015	7/23/2015	7/23/2015				
		Recycling Level	WM NH	Excavated	Excavated	Excavated	Excavated	Excavated	Excavated	Excavated	Excavated	Excavated	Excavated	Excavated	Excavated	Excavated	Excavated	Excavated	Excavated									
	Hexachloroethane	< 60	NA	0.37 U	0.36 U	0.36 U	0.36 U	0.37 U	0.73 U	0.36 U	0.36 U	1.4 U	0.36 U	0.36 U	1.4 U	0.35 U	0.70 U											
	Indeno(1,2,3-cd)pyrene	N/A	NA	6.5	4.2	8.1	6.9	11	7.8	3.5	9.0	8.8	4.2	3.9	1.4	4.7												
	Isophorone	N/A	NA	0.37 U	0.36 U	0.36 U	0.37 U	0.73 U	0.36 U	0.36 U	1.4 U	0.36 U	0.36 U	1.4 U	0.35 U	0.70 U												
	2-Methylnaphthalene	N/A	NA	2.1	0.81	3.2	1.7	1.1	3.0	1.7	1.2	2.1	8.1	15	6.2	0.71	0.64											
	2-Methylphenol	< 4,000	NA	0.37 U	0.36 U	0.36 U	0.36 U	0.37 U	0.73 U	0.36 U	0.36 U	1.4 U	0.36 U	0.36 U	1.4 U	0.35 U	0.70 U											
	3/4-Methylphenol	N/A	NA	0.37 U	0.36 U	0.36 U	0.36 U	0.37 U	0.73 U	0.36 U	0.36 U	1.4 U	0.36 U	0.36 U	1.4 U	0.35 U	0.70 U											
	Naphthalene	N/A	NA	5.4	2.1	5.5	3.7	2.3	4.4	3.9	2.2	4.5	7.2	4.8	5.1	0.92	1.1											
	Nitrobenzene	< 40	NA	0.37 U	0.36 U	0.36 U	0.37 U	0.73 U	0.36 U	0.36 U	1.4 U	0.36 U	0.36 U	1.4 U	0.35 U	0.70 U												
	2-Nitrophenol	N/A	NA	0.37 U	0.36 U	0.36 U	0.37 U	0.73 U	0.36 U	0.36 U	1.4 U	0.36 U	0.36 U	1.4 U	0.35 U	0.70 U												
	4-Nitrophenol	N/A	NA	0.72 U	0.70 U	0.70 U	0.71 U	0.71 U	1.4 U	0.70 U	2.8 U	0.70 U	0.71 U	2.7 U	0.68 U	1.4 U												
	Pentachlorophenol	< 2,000	NA	0.37 U	0.36 U	0.36 U	0.37 U	0.73 U	0.36 U	0.36 U	1.4 U	0.36 U	0.36 U	1.4 U	0.35 U	0.70 U												
	Phenanthrene	N/A	NA	12	4.8	23	10	7.6	20	11	4.1	25	28	17	21	2.9	5.0											
	Phenol	N/A	NA	0.37 U	0.36 U	0.36 U	0.37 U	0.73 U	0.36 U	0.36 U	1.4 U	0.36 U	0.36 U	1.4 U	0.35 U	0.70 U												
	Pyrene	N/A	NA	21	10	28	27	16	34	26	8.4	31	26	15	22	6.2	12											
	1,2,4-Trichlorobenzene	N/A	NA	0.37 U	0.36 U	0.36 U	0.36 U	0.73 U	0.36 U	0.36 U	1.4 U	0.36 U	0.36 U	1.4 U	0.35 U	0.70 U												
	2,4,5-Trichlorophenol	< 8,000	NA	0.37 U	0.36 U	0.36 U	0.37 U	0.73 U	0.36 U	0.36 U	1.4 U	0.36 U	0.36 U	1.4 U	0.35 U	0.70 U												
	2,4,6-Trichlorophenol	< 40	NA	0.37 U	0.36 U	0.36 U	0.37 U	0.73 U	0.36 U	0.36 U	1.4 U	0.36 U	0.36 U	1.4 U	0.35 U	0.70 U												
	Total SVOCs	N/A	NA	135	64.9	188	158	107	203	152	58.1	210	196	134	121	35.3	76.6											
Pesticides (mg/kg)	Aldrin	N/A	NA	0.11 U	0.10 U	0.11 U	0.10 U	0.10 U	0.10 U	0.11 U	0.10 U	0.098 U	0.099 U															
	alpha-BHC	N/A	NA	0.11 U	0.10 U	0.11 U	0.10 U	0.10 U	0.10 U	0.11 U	0.10 U	0.098 U	0.099 U															
	beta-BHC	N/A	NA	0.11 U	0.10 U	0.11 U	0.10 U	0.10 U	0.10 U	0.11 U	0.10 U	0.098 U	0.099 U															
	delta-BHC	N/A	NA	0.11 U	0.10 U	0.11 U	0.10 U	0.10 U	0.10 U	0.11 U	0.10 U	0.098 U	0.099 U															
	gamma-BHC (Lindane)	N/A	NA	0.044 U	0.040 U	0.042 U	0.042 U	0.042 U	0.041 U	0.042 U	0.040 U	0.042 U	0.041 U	0.042 U	0.041 U	0.041 U	0.039 U	0.039 U										
	Chlordane	N/A	NA	0.44 U	0.40 U	0.42 U	0.42 U	0.42 U	0.41 U	0.42 U	0.40 U	0.42 U	0.41 U	0.42 U	0.41 U	0.39 U	0.39 U											
	4,4-DDD	N/A	NA	0.087 U	0.081 U	0.085 U	0.085 U	0.084 U	0.083 U	0.085 U	0.081 U	0.084 U	0.082 U	0.083 U	0.082 U	0.078 U	0.079 U											
	4,4-DDE	N/A	NA	0.087 U	0.081 U	0.085 U	0.085 U	0.084 U	0.083 U	0.085 U	0.081 U	0.084 U	0.082 U	0.083 U	0.082 U	0.078 U	0.079 U											
	4,4-DDT	N/A	NA	0.087 U	0.081 U	0.085 U	0.085 U	0.084																				

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WRTA - 42 Quinsigamond Avenue
Worcester, Massachusetts

Analysis	Analyte	Sample ID: Stockpile-1 5/7/2015	No. 6 - Stockpile-1 5/7/2015	No. 6 - Stockpile-2 5/7/2015	No. 6 - Stockpile-3 5/7/2015	No. 6 - Stockpile-4 5/7/2015	No. 6 - Stockpile-5 5/7/2015	No. 6 - Stockpile-6 5/7/2015	No. 6 - Stockpile-7 5/7/2015	No. 6 - Stockpile-8 5/7/2015	No 6-SP1-1 7/23/2015	No 6-SP1-2 7/23/2015	No 6-SP1-3 7/23/2015	No 6-SP1-4 7/23/2015	No 6-SP1-5 7/23/2015	No 6-SP1-6 7/23/2015	No 6-SP1-7 7/23/2015	No 6-SP1-8 7/23/2015	No 6-SP1-9 7/23/2015	No 6-SP2-1 7/23/2015	No 6-SP2-2 7/23/2015	No 6-SP2-3 7/23/2015	No 6-SP3-1 7/23/2015	No 6-SP3-2 7/23/2015	
			Excavated	Excavated	Excavated	Excavated	Excavated	Excavated	Excavated	Excavated	Excavated	Excavated	Excavated	Excavated	Excavated	Excavated									
	MCPP	N/A	NA	2.7 U	2.6 U	2.6 U	2.7 U	2.7 U	2.6 U	2.7 U	2.6 U	2.5 U	2.5 U												
	Total Petroleum Hydrocarbons (mg/kg)	Diesel Range Organics	N/A	2,300	860	1,200	4,700	1,900	2,200	2,900	3,400	2,900	3,600	3,100	2,000	3,400	2,900	3,300	1,400	2,200	4,700	8,000	8,800	4,400	1,900
Metals, total																									
(mg/kg)	Arsenic	100	16	15	12	12	13	13	17	14	14	13	15	14	14	14	13	13	11	13	13	13	14	17	
	Barium	N/A	35	38	40	48	37	40	35	36	49	38	42	50	41	43	50	39	40	36	35	37	35	41	
	Cadmium	20	0.72	0.62	0.52	0.64	0.58	0.57	0.70	0.59	0.61	0.57	0.84	0.63	0.60	0.66	0.65	0.61	0.55	0.55	0.47	0.61	0.58	0.71	
	Chromium	100	16	16	16	15	15	22	13	17	13	13	15	14	14	15	14	13	13	14	14	13	13	14	
	Lead	100	26	16	19	51	47	28	40	31	65	54	77	69	74	93	50	65	71	14	67	32	85		
	Mercury	4	0.15	0.069	0.080	0.29	0.34	0.19	0.31	0.15	0.46	0.20	0.42	0.48	0.22	0.44	0.66	0.34	2.6	1.5	0.072	0.031	0.25	0.38	
	Selenium	20	5.2 U	5.8 U	5.6 U	5.4 U	5.1 U	5.2 U	5.2 U	5.5 U	5.3 U	5.3 U	5.3 U	5.3 U	5.4 U	5.4 U	5.4 U	5.3 U	5.2 U	5.3 U	5.4 U	5.2 U	5.1 U	4.9 U	
	Silver	100	0.52 U	0.58 U	0.56 U	0.54 U	0.51 U	0.52 U	0.52 U	0.55 U	0.53 U	0.53 U	0.53 U	0.53 U	0.54 U	0.54 U	0.54 U	0.53 U	0.52 U	0.53 U	0.54 U	0.52 U	0.51 U	0.59	
General Chemistry																									
(mg/kg)	Cyanide	N/A	NA	13	11	43	16	11	14	19	7.5	19	36	42	2.2	3.4	13								
	Free Liquid	N/A	NA	Absent																					
(°F)	Ignitability/Flashpoint	N/A	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent								
(s.u.)	pH	>2 <12.5	NA	8.0	7.7	8.1	8.0	7.9	8.1	7.9	7.8	8.0	8.8	5.4	6.3	7.5	6.9								
(mg/kg)	Reactive Cyanide	< 250	NA	4.0 U	4.0 U	4.0 U	4.0 U	3.9 U	3.9 U	4.0 U	4.0 U	3.9 U	4.0 U	3.9 U	3.9 U	4.0 U									
(mg/kg)	Reactive Sulfide	< 500	NA	20 U	19 U	20 U																			
(umhos/cm)	Specific conductance	N/A	NA	31	19	37	26	33	32	34	24	23	26	29	17	13	17								
(%)	Sulfur	N/A	NA	0.19	0.18	0.26	0.1 U	0.12	0.1 U	0.13	0.1 U	0.1 U	0.13	0.1 U	0.17	0.1 U	0.1 U								
Soil Category:		B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B		

Notes:

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

mg/L - milligrams per liter.

s.u. - Standard unit.

umhos/cm - Micro-mhos per centimeter.

NA - Sample not analyzed for the listed analyte.

N/A - Not applicable/available.

U - Compound was not detected at specified quantitation limit.

Values in **bold** indicate the compound was detected.

VOCs - Volatile Organic Compounds.

SVOCs - Semivolatile Organic Compounds.

PCBs - Polychlorinated Biphenyls.

TCLP - Toxicity Characteristic Leaching Procedure.

WM NH - Waste Management of NH - Turnkey Landfill, Rochester, NH.

Soil Categories:

B - Suitable for recycling/reuse at an asphalt batching or thermal processing facility.

Table 2 - Summary of Post-Excavation Soil Analytical Results – June 2015
WRTA - 42 Quinsigamond Avenue
Worcester, Massachusetts

Analysis	Analyte	Sample ID: Sample Depth Below Existing Grade (ft.)*: Sample Elevation (ft.): Sample Date:					PX-W Gas Holder-1 9.5 445 6/4/2015	PX-W Gas Holder-3 9.5 445 6/4/2015	PX-W Gas Holder-5 9.5 445 6/4/2015
		S-2/GW-2	S-2/GW-3	S-3/GW-2	S-3/GW-3	UCLs			
VPH (mg/kg)	Benzene	200	200	400	1,000	10,000	0.046	0.035 U	0.63 U
	C5-C8 Aliphatics	500	500	500	500	5,000	7.8 U	7.1 U	130 U
	C9-C10 Aromatics	500	500	500	500	5,000	7.8 U	15	280
	C9-C12 Aliphatics	3,000	3,000	5,000	5,000	20,000	7.8 U	7.1 U	130 U
	Ethylbenzene	1,000	1,000	1,000	3,000	10,000	0.20	0.22	1.7
	m+p Xylene	100 ⁽¹⁾	1,000 ⁽¹⁾	100 ⁽¹⁾	3,000 ⁽¹⁾	10,000	0.14	0.15	1.3 U
	Methyl tert-Butyl Ether (MTBE)	100	500	100	500	5,000	0.039 U	0.035 U	0.63 U
	Naphthalene	20	1,000	20	3,000	10,000	0.19 U	3.7	36
	o-Xylene	100 ⁽¹⁾	1,000 ⁽¹⁾	100 ⁽¹⁾	3,000 ⁽¹⁾	10,000	0.039 U	0.035 U	0.63 U
	Toluene	1,000	1,000	2,000	3,000	10,000	0.039 U	0.059	0.63 U
EPH (mg/kg)	2-Methylnaphthalene	80	500	80	500	5,000	0.10 U	1.6	5.7
	Acenaphthene	3,000	3,000	5,000	5,000	10,000	0.10 U	0.93	0.10 U
	Acenaphthylene	600	10	600	10	10,000	0.10 U	0.20	0.10 U
	Anthracene	3,000	3,000	5,000	5,000	10,000	0.12	0.78	2.2
	Benzo(a)anthracene	40	40	300	300	3,000	0.25	0.37	1.2
	Benzo(a)pyrene	7	7	30	30	300	0.30	0.22	0.84
	Benzo(b)fluoranthene	40	40	300	300	3,000	0.10 U	0.31	0.93
	Benzo(g,h,i)perylene	3,000	3,000	5,000	5,000	10,000	0.24	0.14	0.46
	Benzo(k)fluoranthene	400	400	3,000	3,000	10,000	0.10 U	0.13	0.33
	C11-C22 Aromatics	3,000	3,000	5,000	5,000	10,000	210	78	370
	C19-C36 Aliphatics	5,000	5,000	5,000	5,000	20,000	250	27	300
	C9-C18 Aliphatics	3,000	3,000	5,000	5,000	20,000	37	32	550
	Chrysene	400	400	3,000	3,000	10,000	0.31	0.45	1.4
	Dibenz(a,h)anthracene	4	4	30	30	300	0.10 U	0.10 U	0.10 U
	Fluoranthene	3,000	3,000	5,000	5,000	10,000	0.10 U	0.77	2.9
	Fluorene	3,000	3,000	5,000	5,000	10,000	0.11	1.1	2.7
	Indeno(1,2,3-cd)pyrene	40	40	300	300	3,000	0.15	0.14	0.46
	Naphthalene	20	1,000	20	3,000	10,000	0.13	1.7	8.6
	Phenanthrene	1,000	1,000	3,000	3,000	10,000	0.24	3.0	6.9
	Pyrene	3,000	3,000	5,000	5,000	10,000	0.41	1.1	3.7

Notes:

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

U - Compound was not detected at specified quantitation limit.

Values in **Bold** indicate the compound was detected.

Values shown in Bold and shaded type exceed one or more of the listed MassDEP standards/criteria.

VPH - Volatile Petroleum Hydrocarbons.

EPH - Extractable Petroleum Hydrocarbons.

(1) - criteria applicable to xylene (total), the sum of the xylene isomers.

* - Sample Depth for EPH /VPH analysis; otherwise the sample depth applies to all listed analyses.

APPENDIX A

MASSDEP TRANSMITTAL FORM (BWSC-105)



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

Immediate Response Action (IRA) Transmittal Form
Pursuant to 310 CMR 40.0424 - 40.0427 (Subpart D)

BWSC 105

Release Tracking Number

2 - 19520

A. SITE LOCATION:

1. Release Name/Location Aid: FORMER MFG GAS PLANT

2. Street Address: 42 QUINSIGAMOND AVE

3. City/Town: WORCESTER

4. Zip Code:

5. Check here if this location is Adequately Regulated, pursuant to 310 CMR 40.0110-0114.

- a. CERCLA b. HSWA Corrective Action c. Solid Waste Management
 d. RCRA State Program (21C Facilities)

B. THIS FORM IS BEING USED TO: (check all that apply)

1. List Submittal Date of Initial IRA Written Plan (if previously submitted): _____

2. Submit an **Initial IRA Plan**.
3. Submit a **Modified IRA Plan** of a previously submitted written IRA Plan.
4. Submit an **Imminent Hazard Evaluation**. (check one)
- a. An Imminent Hazard exists in connection with this Release or Threat of Release.
- b. An Imminent Hazard does not exist in connection with this Release or Threat of Release.
- c. It is unknown whether an Imminent Hazard exists in connection with this Release or Threat of Release, and further assessment activities will be undertaken.
- d. It is unknown whether an Imminent Hazard exists in connection with this Release or Threat of Release. However, response actions will address those conditions that could pose an Imminent Hazard.
5. Submit a request to **Terminate an Active Remedial System or Response Action(s) Taken to Address an Imminent Hazard**.
6. Submit an **IRA Status Report**
7. Submit a **Remedial Monitoring Report**. (This report can only be submitted through eDEP.)
- a. Type of Report: (check one) i. Initial Report ii. Interim Report iii. Final Report
- b. Frequency of Submittal: (check all that apply)
- i. A Remedial Monitoring Report(s) submitted monthly to address an Imminent Hazard.
- ii. A Remedial Monitoring Report(s) submitted monthly to address a Condition of Substantial Release Migration.
- iii. A Remedial Monitoring Report(s) submitted every six months, concurrent with an IRA Status Report.
- iv. A Remedial Monitoring Report(s) submitted annually, concurrent with an IRA Status Report.
- c. Number of Remedial Systems and/or Monitoring Programs: _____

A separate BWSC105A, IRA Remedial Monitoring Report, must be filled out for each Remedial System and/or Monitoring Program addressed by this transmittal form.



Massachusetts Department of Environmental Protection
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Pursuant to 310 CMR 40.0424 - 40.0427 (Subpart D)

BWSC 105

Release Tracking Number
2 - **19520**

b 8. Submit an **IRA Completion Statement**.

a. Check here if future response actions addressing this Release or Threat of Release notification condition will be conducted as part of the Response Actions planned or ongoing at a Site that has already been Tier Classified under a different Release Tracking Number (RTN)

b. Provide Release Tracking Number of Tier Classified Site (Primary RTN): _____

These additional response actions must occur according to the deadlines applicable to the Primary RTN. Use the Primary RTN when making all future submittals for the site unless specifically relating to this Immediate Response Action.

e 9. Submit a **Revised IRA Completion Statement**.

e 10. Submit a **Plan for the Application of Remedial Additives** near a sensitive receptor, pursuant to 310 CMR 40.0046(3).

(All sections of this transmittal form must be filled out unless otherwise noted above)

C. RELEASE OR THREAT OF RELEASE CONDITIONS THAT WARRANT IRA:

1. Media Impacted and Receptors Affected: (check all that apply)

a. Paved Surface b. Basement c. School

d. Public Water Supply e. Surface Water f. Zone 2 g. Private Well h. Residence i. Soil
 j. Groundwater k. Sediments l. Wetland m. Storm Drain n. Indoor Air o. Air
 p. Soil Gas q. Sub-Slab Soil Gas r. Critical Exposure Pathway s. NAPL t. Unknown
b r. Others Specify: BRICK FOUNDATION

2. Sources of the Release or TOR: (check all that apply)

a. Transformer b. Fuel Tank c. Pipe

d. OHM Delivery e. AST f. Drums g. Tanker Truck h. Hose i. Line
 j. UST Describe: _____ k. Vehicle l. Boat/Vessel
 m. Unknown **b** n. Other: FMR OIL HOLDER FOUNDATION

3. Type of Release or TOR: (check all that apply)

a. Dumping b. Fire c. AST Removal d. Overfill

e. Rupture f. Vehicle Accident g. Leak h. Spill i. Test failure j. TOR Only
 k. UST Removal Describe: _____
b l. Unknown m. Other: _____

4. Identify Oils and Hazardous Materials Released: (check all that apply)

b a. Oils b. Chlorinated Solvents

c. Heavy Metals d. Others Specify: _____

D. DESCRIPTION OF RESPONSE ACTIONS: (check all that apply, for volumes list cumulative amounts)

1. Assessment and/or Monitoring Only 2. Temporary Covers or Caps
 3. Deployment of Absorbent or Containment Materials 4. Temporary Water Supplies
 5. Structure Venting System/HVAC Modification System 6. Temporary Evacuation or Relocation of Residents
 7. Product or NAPL Recovery 8. Fencing and Sign Posting
 9. Groundwater Treatment Systems 10. Soil Vapor Extraction
 11. Remedial Additives 12. Air Sparging
 13. Active Exposure Pathway Mitigation System 14. Passive Exposure Pathway Mitigation System



Massachusetts Department of Environmental Protection
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Immediate Response Action (IRA) Transmittal Form
Pursuant to 310 CMR 40.0424 - 40.0427 (Subpart D)

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D. DESCRIPTION OF RESPONSE ACTIONS: (cont.)

b 15. Excavation of Contaminated Soils.

<input type="checkbox"/> a. Re-use, Recycling or Treatment	<input type="checkbox"/> i. On Site	Estimated volume in cubic yards	_____
	<input type="checkbox"/> ii. Off Site	Estimated volume in cubic yards	_____
iia. Receiving Facility: _____		Town:	_____
iib. Receiving Facility: _____		Town:	_____
iii. Describe: _____			
<input type="checkbox"/> b. Store	<input type="checkbox"/> i. On Site	Estimated volume in cubic yards	_____
	<input type="checkbox"/> ii. Off Site	Estimated volume in cubic yards	_____
iia. Receiving Facility: _____		Town:	_____
iib. Receiving Facility: _____		Town:	_____
<input type="checkbox"/> c. Landfill	<input type="checkbox"/> i. Cover	Estimated volume in cubic yards	_____
Receiving Facility: _____		Town:	_____
	<input type="checkbox"/> ii. Disposal	Estimated volume in cubic yards	1313
Receiving Facility: WM TREE		Town: ROCHESTER	State: NH

c 16. Removal of Drums, Tanks, or Containers:

a. Describe Quantity and Amount:	_____
b. Receiving Facility:	Town: _____
c. Receiving Facility:	Town: _____

e 17. Removal of Other Contaminated Media:

a. Specify Type and Volume:	_____
-----------------------------	-------

e 18. Other Response Actions:

Describe:	_____
-----------	-------

e 19. Use of Innovative Technologies:

Describe:	_____
-----------	-------



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

Immediate Response Action (IRA) Transmittal Form
Pursuant to 310 CMR 40.0424 - 40.0427 (Subpart D)

BWSC 105

Release Tracking Number
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E. LSP SIGNATURE AND STAMP:

I attest under the pains and penalties of perjury that I have personally examined and am familiar with this transmittal form, including any and all documents accompanying this submittal. In my professional opinion and judgment based upon application of (i) the standard of care in 309 CMR 4.02(1), (ii) the applicable provisions of 309 CMR 4.02(2) and (3), and 309 CMR 4.03(2), and (iii) the provisions of 309 CMR 4.03(3), to the best of my knowledge, information and belief,

> if Section B of this form indicates that an **Immediate Response Action Plan** is being submitted, the response action(s) that is(are) the subject of this submittal (i) has (have) been developed in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is(are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000 and (iii) complies(y) with the identified provisions of all orders, permits, and approvals identified in this submittal;

> if Section B of this form indicates that an **Imminent Hazard Evaluation** is being submitted, this Imminent Hazard Evaluation was developed in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, and the assessment activity(ies) undertaken to support this Imminent Hazard Evaluation comply(ies) with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000;

> if Section B of this form indicates that an **Immediate Response Action Status Report** and/or a **Remedial Monitoring Report** is(are) being submitted, the response action(s) that is (are) the subject of this submittal (i) is (are) being implemented in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000,(ii) is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000 and (iii) comply(ies) with the identified provisions of all orders, permits, and approvals identified in this submittal;

> if Section B of this form indicates that an **Immediate Response Action Completion Statement** or a request to **Terminate an Active Remedial System or Response Action(s) Taken to Address an Imminent Hazard** is being submitted, the response action(s) that is(are) the subject of this submittal (i) has (have) been developed and implemented in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is(are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000 and (iii) comply(ies) with the identified provisions of all orders, permits, and approvals identified in this submittal.

I am aware that significant penalties may result, including, but not limited to, possible fines and imprisonment, if I submit information which I know to be false, inaccurate or materially incomplete.

1. LSP #: 1955

2. First Name: CHRISTOPHER R

3. Last Name: McDermott

4. Telephone: 617-350-3406

5. Ext:

6. Email:

7. Signature:

8. Date: _____ (mm/dd/yyyy)

9. LSP Stamp:



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

Immediate Response Action (IRA) Transmittal Form
Pursuant to 310 CMR 40.0424 - 40.0427 (Subpart D)

BWSC 105

Release Tracking Number
2 - **19520**

F. PERSON UNDERTAKING IRA:

1. Check all that apply: a. change in contact name b. change of address c. change in the person undertaking response actions
2. Name of Organization: WORCESTER REGIONAL TRANSIT AUTHORITY
3. Contact First Name: JONATHAN 4. Last Name: CHURCH
5. Street: 60 FOSTER STREET 6. Title: ADMINISTRATOR
7. City/Town: WORCESTER 8. State: MA 9. Zip Code: 016080000
10. Telephone: 508-756-8321 11. Ext: _____ 12. Email: JCHURCH@THERTA.COM
-

G. RELATIONSHIP TO RELEASE OR THREAT OF RELEASE OF PERSON UNDERTAKING IRA:

- Check here to change relationship
1. RP or PRP a. Owner b. Operator c. Generator d. Transporter
- e. Other RP or PRP Specify Relationship: _____
2. Fiduciary, Secured Lender or Municipality with Exempt Status (as defined by M.G.L. c. 21E, s. 2)
3. Agency or Public Utility on a Right of Way (as defined by M.G.L. c. 21E, s. 5(j))
4. Any Other Person Undertaking Response Actions: Specify Relationship: _____
-

H. REQUIRED ATTACHMENT AND SUBMITTALS:

1. Check here if any Remediation Waste, generated as a result of this IRA, will be stored, treated, managed, recycled or reused at the site following submission of the IRA Completion Statement. If this box is checked, you must submit one of the following plans, along with the appropriate transmittal form.
- a. A Release Abatement Measure (RAM) Plan (BWSC106) b. Phase IV Remedy Implementation Plan (BWSC108)
2. Check here if the Response Action(s) on which this opinion is based, if any, are (were) subject to any order(s), permit(s) and/or approval(s) issued by MassDEP or EPA. If the box is checked, you MUST attach a statement identifying the applicable provisions thereof.
3. Check here to certify that the Chief Municipal Officer and the Local Boardof Health were notified of the implementation of an Immediate Response Action taken to control, prevent, abate or eliminate an Imminent Hazard.
4. Check here to certify that the Chief Municipal Officer and the Local Boardof Health were notified of the submittal of a Completion Statement for an Immediate Response Action taken to control, prevent, abate or eliminate an Imminent Hazard.
5. Check here if any non-updatable information provided on this form is incorrect, e.g. Release Address/Location Aid. Send corrections to BWSC.eDEP@state.ma.us.
6. Check here to certify that the LSP Opinion containing the material facts, data, and other information is attached.



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

Immediate Response Action (IRA) Transmittal Form

Pursuant to 310 CMR 40.0424 - 40.0427 (Subpart D)

BWSC 105

Release Tracking Number

2

- 19520

I. CERTIFICATION OF PERSON UNDERTAKING IRA:

1. I, _____, attest under the pains and penalties of perjury (i) that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this transmittal form; (ii) that, based on my inquiry of the/those individual(s) immediately responsible for obtaining the information, the material information contained herein is, to the best of my knowledge, information and belief, true, accurate and complete; (iii) that, to the best of my knowledge, information and belief, I/the person(s) or entity(ies) on whose behalf this submittal is made satisfy(ies) the criteria in 310 CMR 40.0183(2); (iv) that I/the person(s) or entity(ies) on whose behalf this submittal is made have provided notice in accordance with 310 CMR 40.0183(5); and (v) that I am fully authorized to make this attestation on behalf of the person(s) or entity(ies) legally responsible for this submittal. I/the person(s) or entity(ies) on whose behalf this submittal is made is/are aware that there are significant penalties, including, but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate, or incomplete information.

2. By: _____ 3. Title: ADMINISTRATOR _____

4. For: WORCESTER REGIONAL TRANSIT AUTHORITY 5. Date: _____ (mm/dd/yyyy)

6. Check here if the address of the person providing certification is different from address recorded in Section F.

7. Street: _____

8. City/Town: _____ 9. State: _____ 10. Zip Code: _____

11. Telephone: _____ 12. Ext: _____ 13. Email: _____

YOU ARE SUBJECT TO AN ANNUAL COMPLIANCE ASSURANCE FEE OF UP TO \$10,000 PER BILLABLE YEAR FOR THIS DISPOSAL SITE. YOU MUST LEGIBLY COMPLETE ALL RELEVANT SECTIONS OF THIS FORM OR DEP MAY RETURN THE DOCUMENT AS INCOMPLETE. IF YOU SUBMIT AN INCOMPLETE FORM, YOU MAY BE PENALIZED FOR MISSING A REQUIRED DEADLINE.

Date Stamp (DEP USE ONLY):

APPENDIX B

LABORATORY ANALYTICAL DATA



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

August 14, 2015

Jamie Stapleton
TRC Environmental Corporation - Lowell
650 Suffolk Street
Lowell, MA 01852

Project Location: WRTA
Client Job Number:
Project Number: 185540
Laboratory Work Order Number: 15G1139

Enclosed are results of analyses for samples received by the laboratory on July 23, 2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Meghan S. Kelley". The signature is fluid and cursive, with "Meghan" and "S." sharing a common initial stroke, and "Kelley" following below.

Meghan E. Kelley
Project Manager

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TRC Environmental Corporation - Lowell
650 Suffolk Street
Lowell, MA 01852
ATTN: Jamie Stapleton

REPORT DATE: 8/14/2015

PURCHASE ORDER NUMBER: 73193

PROJECT NUMBER: 185540

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15G1139

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: WRTA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
No 6-SP1-1	15G1139-01	Soil		ASTM D-4239 SM 2540G SM21-22 2510B Modified SW-846 1030 SW-846 1311 SW-846 6010C SW-846 7471B SW-846 8015C SW-846 8081B SW-846 8082A SW-846 8151A SW-846 8260C SW-846 8270D SW-846 9014 SW-846 9030A SW-846 9045C SW-846 9095B	MA M-MA071/CT PH-0520
No 6-SP1-2	15G1139-02	Soil		ASTM D-4239 SM 2540G SM21-22 2510B Modified SW-846 1030 SW-846 1311 SW-846 6010C SW-846 7471B SW-846 8015C SW-846 8081B SW-846 8082A SW-846 8151A SW-846 8260C SW-846 8270D SW-846 9014 SW-846 9030A SW-846 9045C SW-846 9095B	MA M-MA071/CT PH-0520



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FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
No 6-SP1-3	15G1139-03	Soil		ASTM D-4239 SM 2540G SM21-22 2510B Modified SW-846 1030 SW-846 1311 SW-846 6010C SW-846 7471B SW-846 8015C SW-846 8081B SW-846 8082A SW-846 8151A SW-846 8260C SW-846 8270D SW-846 9014 SW-846 9030A SW-846 9045C SW-846 9095B	MA M-MA071/CT PH-0520
No 6-SP1-4	15G1139-04	Soil		ASTM D-4239 SM 2540G SM21-22 2510B Modified SW-846 1030 SW-846 1311 SW-846 6010C SW-846 7471B SW-846 8015C SW-846 8081B SW-846 8082A SW-846 8151A SW-846 8260C SW-846 8270D SW-846 9014 SW-846 9030A SW-846 9045C SW-846 9095B	MA M-MA071/CT PH-0520



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FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
No 6-SP1-5	15G1139-05	Soil		ASTM D-4239 SM 2540G SM21-22 2510B Modified SW-846 1030 SW-846 1311 SW-846 6010C SW-846 7471B SW-846 8015C SW-846 8081B SW-846 8082A SW-846 8151A SW-846 8260C SW-846 8270D SW-846 9014 SW-846 9030A SW-846 9045C SW-846 9095B	MA M-MA071/CT PH-0520
No 6-SP1-6	15G1139-06	Soil		ASTM D-4239 SM 2540G SM21-22 2510B Modified SW-846 1030 SW-846 1311 SW-846 6010C SW-846 7471B SW-846 8015C SW-846 8081B SW-846 8082A SW-846 8151A SW-846 8260C SW-846 8270D SW-846 9014 SW-846 9030A SW-846 9045C SW-846 9095B	MA M-MA071/CT PH-0520



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PROJECT LOCATION: WRTA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
No 6-SP1-7	15G1139-07	Soil		ASTM D-4239 SM 2540G SM21-22 2510B Modified SW-846 1030 SW-846 1311 SW-846 6010C SW-846 7471B SW-846 8015C SW-846 8081B SW-846 8082A SW-846 8151A SW-846 8260C SW-846 8270D SW-846 9014 SW-846 9030A SW-846 9045C SW-846 9095B	MA M-MA071/CT PH-0520
No 6-SP1-8	15G1139-08	Soil		ASTM D-4239 SM 2540G SM21-22 2510B Modified SW-846 1030 SW-846 1311 SW-846 6010C SW-846 7471B SW-846 8015C SW-846 8081B SW-846 8082A SW-846 8151A SW-846 8260C SW-846 8270D SW-846 9014 SW-846 9030A SW-846 9045C SW-846 9095B	MA M-MA071/CT PH-0520



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FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
No 6-SP1-9	15G1139-09	Soil		ASTM D-4239 SM 2540G SM21-22 2510B Modified SW-846 1030 SW-846 1311 SW-846 6010C SW-846 7471B SW-846 8015C SW-846 8081B SW-846 8082A SW-846 8151A SW-846 8260C SW-846 8270D SW-846 9014 SW-846 9030A SW-846 9045C SW-846 9095B	MA M-MA071/CT PH-0520
No 6-SP2-1	15G1139-10	Soil		ASTM D-4239 SM 2540G SM21-22 2510B Modified SW-846 1030 SW-846 1311 SW-846 6010C SW-846 7471B SW-846 8015C SW-846 8081B SW-846 8082A SW-846 8151A SW-846 8260C SW-846 8270D SW-846 9014 SW-846 9030A SW-846 9045C SW-846 9095B	MA M-MA071/CT PH-0520



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No 6-SP2-2	15G1139-11	Soil		ASTM D-4239 SM 2540G SM21-22 2510B Modified SW-846 1030 SW-846 1311 SW-846 6010C SW-846 7471B SW-846 8015C SW-846 8081B SW-846 8082A SW-846 8151A SW-846 8260C SW-846 8270D SW-846 9014 SW-846 9030A SW-846 9045C SW-846 9095B	MA M-MA071/CT PH-0520
No 6-SP2-3	15G1139-12	Soil		ASTM D-4239 SM 2540G SM21-22 2510B Modified SW-846 1030 SW-846 1311 SW-846 6010C SW-846 7471B SW-846 8015C SW-846 8081B SW-846 8082A SW-846 8151A SW-846 8260C SW-846 8270D SW-846 9014 SW-846 9030A SW-846 9045C SW-846 9095B	MA M-MA071/CT PH-0520



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PROJECT LOCATION: WRTA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
No 6-SP3-1	15G1139-13	Soil		ASTM D-4239 SM 2540G SM21-22 2510B Modified SW-846 1030 SW-846 1311 SW-846 6010C SW-846 7471B SW-846 8015C SW-846 8081B SW-846 8082A SW-846 8151A SW-846 8260C SW-846 8270D SW-846 9014 SW-846 9030A SW-846 9045C SW-846 9095B	MA M-MA071/CT PH-0520
No 6-SP3-2	15G1139-14	Soil		ASTM D-4239 SM 2540G SM21-22 2510B Modified SW-846 1030 SW-846 1311 SW-846 6010C SW-846 7471B SW-846 8015C SW-846 8081B SW-846 8082A SW-846 8151A SW-846 8260C SW-846 8270D SW-846 9014 SW-846 9030A SW-846 9045C SW-846 9095B	MA M-MA071/CT PH-0520



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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

For method 6010, only RCRA 8 metals were requested and reported.

For method 8151, samples were derivatized on 0727/15.

For method 8151, sample analysis bracketed by LCS to monitor esterification. All recoveries in the bracketing LCS met method criteria.

For Inorganic analysis, client did not specify QA/QC per MCP.



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SW-846 6010C

Qualifications:

MS-07

Matrix spike recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possibility of sample matrix effects that lead to low bias for reported result or non-homogeneous sample aliquot cannot be eliminated.

Analyte & Samples(s) Qualified:

Lead

15G1139-03[No 6-SP1-3], B127066-MS1

SW-846 8015C

Qualifications:

S-01

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

Analyte & Samples(s) Qualified:

o-Terphenyl

15G1139-01[No 6-SP1-1], 15G1139-02[No 6-SP1-2], 15G1139-03[No 6-SP1-3], 15G1139-04[No 6-SP1-4], 15G1139-05[No 6-SP1-5], 15G1139-06[No 6-SP1-6], 15G1139-07[No 6-SP1-7], 15G1139-08[No 6-SP1-8], 15G1139-09[No 6-SP1-9], 15G1139-10[No 6-SP2-1], 15G1139-11[No 6-SP2-2], 15G1139-12[No 6-SP2-3], 15G1139-13[No 6-SP3-1], 15G1139-14[No 6-SP3-2]

SW-846 8081B

Qualifications:

RL-12

Elevated reporting limit due to matrix interference.

Analyte & Samples(s) Qualified:

15G1139-01[No 6-SP1-1], 15G1139-02[No 6-SP1-2], 15G1139-03[No 6-SP1-3], 15G1139-04[No 6-SP1-4], 15G1139-05[No 6-SP1-5], 15G1139-06[No 6-SP1-6], 15G1139-07[No 6-SP1-7], 15G1139-08[No 6-SP1-8], 15G1139-09[No 6-SP1-9], 15G1139-10[No 6-SP2-1], 15G1139-11[No 6-SP2-2], 15G1139-12[No 6-SP2-3], 15G1139-13[No 6-SP3-1], 15G1139-14[No 6-SP3-2]

S-02

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

Analyte & Samples(s) Qualified:

Decachlorobiphenyl [2C]

15G1139-11[No 6-SP2-2]

SW-846 8082A

Qualifications:

O-32

A dilution was performed as part of the standard analytical procedure.

Analyte & Samples(s) Qualified:

15G1139-01[No 6-SP1-1], 15G1139-02[No 6-SP1-2], 15G1139-03[No 6-SP1-3], 15G1139-04[No 6-SP1-4], 15G1139-05[No 6-SP1-5], 15G1139-06[No 6-SP1-6], 15G1139-07[No 6-SP1-7], 15G1139-08[No 6-SP1-8], 15G1139-09[No 6-SP1-9], 15G1139-10[No 6-SP2-1], 15G1139-11[No 6-SP2-2], 15G1139-12[No 6-SP2-3], 15G1139-13[No 6-SP3-1], 15G1139-14[No 6-SP3-2]

SW-846 8151A

Qualifications:

MS-22

Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.

Analyte & Samples(s) Qualified:

2,4-DB

B127003-MS1

P-02

Sample RPD between primary and confirmatory analysis exceeded 40%. Per EPA method 8000, the lower value was reported due to obvious chromatographic interference on the column with the higher result.

Analyte & Samples(s) Qualified:

2,4-DB [2C]

15G1139-05[No 6-SP1-5], 15G1139-13[No 6-SP3-1], 15G1139-14[No 6-SP3-2]



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R-06

Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.

Analyte & Samples(s) Qualified:

2,4-DB [2C]

15G1139-01[No 6-SP1-1], 15G1139-02[No 6-SP1-2], 15G1139-03[No 6-SP1-3], 15G1139-04[No 6-SP1-4], 15G1139-05[No 6-SP1-5], 15G1139-06[No 6-SP1-6],
15G1139-07[No 6-SP1-7], 15G1139-08[No 6-SP1-8], 15G1139-09[No 6-SP1-9], 15G1139-10[No 6-SP2-1], 15G1139-11[No 6-SP2-2], 15G1139-12[No 6-SP2-3],
15G1139-13[No 6-SP3-1], 15G1139-14[No 6-SP3-2], B127003-BLK1, B127003-BS1, B127003-BSD1, B127003-MS1, B127003-MSD1

S-02

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

Analyte & Samples(s) Qualified:

2,4-Dichlorophenylacetic acid [2C]

15G1139-12[No 6-SP2-3]

SW-846 8260C

Qualifications:

L-02

Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.

Analyte & Samples(s) Qualified:

1,2,3-Trichlorobenzene

B127125-BS1, B127125-BSD1

Hexachlorobutadiene

B127125-BS1, B127125-BSD1

L-04

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

Bromomethane

15G1139-01[No 6-SP1-1], 15G1139-02[No 6-SP1-2], 15G1139-03[No 6-SP1-3], 15G1139-09[No 6-SP1-9], 15G1139-10[No 6-SP2-1], 15G1139-11[No 6-SP2-2],
15G1139-12[No 6-SP2-3], 15G1139-13[No 6-SP3-1], 15G1139-14[No 6-SP3-2], B127014-BLK1, B127014-BS1, B127014-BSD1, B127125-BLK1, B127125-BS1,
B127125-BSD1

Dichlorodifluoromethane (Freon 1)

15G1139-01[No 6-SP1-1], 15G1139-02[No 6-SP1-2], 15G1139-03[No 6-SP1-3], 15G1139-09[No 6-SP1-9], 15G1139-10[No 6-SP2-1], 15G1139-11[No 6-SP2-2],
15G1139-12[No 6-SP2-3], 15G1139-13[No 6-SP3-1], 15G1139-14[No 6-SP3-2], B127014-BLK1, B127014-BS1, B127014-BSD1, B127125-BLK1, B127125-BS1,
B127125-BSD1

Trichlorofluoromethane (Freon 11)

15G1139-01[No 6-SP1-1], 15G1139-02[No 6-SP1-2], 15G1139-03[No 6-SP1-3], 15G1139-09[No 6-SP1-9], 15G1139-10[No 6-SP2-1], 15G1139-11[No 6-SP2-2],
15G1139-12[No 6-SP2-3], 15G1139-13[No 6-SP3-1], 15G1139-14[No 6-SP3-2], B127014-BLK1, B127014-BS1, B127014-BSD1, B127125-BLK1, B127125-BS1,
B127125-BSD1

L-05

Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the high side.

Analyte & Samples(s) Qualified:

2,2-Dichloropropane

B127069-BSD1

L-06

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the high side.

Analyte & Samples(s) Qualified:

1,2,4-Trichlorobenzene

15G1139-13[No 6-SP3-1], B127125-BS1, B127125-BSD1

tert-Butyl Ethyl Ether (TBEE)

B127069-BS1, B127069-BSD1



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L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

Bromomethane

B127069-BSD1

Tetrahydrofuran

B127069-BSD1

Vinyl Chloride

B127014-BSD1

L-14

Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.

Analyte & Samples(s) Qualified:

1,4-Dioxane

B127014-BS1

2-Butanone (MEK)

B127125-BS1, B127125-BSD1

Acetone

B127125-BS1, B127125-BSD1

R-05

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

Analyte & Samples(s) Qualified:

1,4-Dioxane

15G1139-03[No 6-SP1-3], 15G1139-11[No 6-SP2-2], B127014-BLK1, B127014-BS1, B127014-BSD1

RL-05

Elevated reporting limit due to high concentration of target compounds. MA CAM reporting limit not met.

Analyte & Samples(s) Qualified:

15G1139-03[No 6-SP1-3], 15G1139-11[No 6-SP2-2], 15G1139-12[No 6-SP2-3]

RL-07

Elevated reporting limit based on lowest point in calibration.

MA CAM reporting limit not met.

Analyte & Samples(s) Qualified:

1,3,5-Trimethylbenzene

15G1139-01[No 6-SP1-1], 15G1139-02[No 6-SP1-2], 15G1139-09[No 6-SP1-9], 15G1139-10[No 6-SP2-1], 15G1139-13[No 6-SP3-1], 15G1139-14[No 6-SP3-2]

Bromomethane

15G1139-01[No 6-SP1-1], 15G1139-02[No 6-SP1-2], 15G1139-09[No 6-SP1-9], 15G1139-10[No 6-SP2-1], 15G1139-13[No 6-SP3-1], 15G1139-14[No 6-SP3-2]

Carbon Disulfide

15G1139-01[No 6-SP1-1], 15G1139-02[No 6-SP1-2], 15G1139-09[No 6-SP1-9], 15G1139-10[No 6-SP2-1], 15G1139-13[No 6-SP3-1], 15G1139-14[No 6-SP3-2]

Chloromethane

15G1139-01[No 6-SP1-1], 15G1139-02[No 6-SP1-2], 15G1139-09[No 6-SP1-9], 15G1139-10[No 6-SP2-1], 15G1139-13[No 6-SP3-1], 15G1139-14[No 6-SP3-2]

Methylene Chloride

15G1139-01[No 6-SP1-1], 15G1139-02[No 6-SP1-2], 15G1139-09[No 6-SP1-9], 15G1139-10[No 6-SP2-1], 15G1139-13[No 6-SP3-1], 15G1139-14[No 6-SP3-2]



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V-05

Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

1,4-Dioxane

15G1139-01[No 6-SP1-1], 15G1139-02[No 6-SP1-2], 15G1139-09[No 6-SP1-9], 15G1139-10[No 6-SP2-1], 15G1139-12[No 6-SP2-3], 15G1139-13[No 6-SP3-1], 15G1139-14[No 6-SP3-2], B127125-BLK1, B127125-BS1, B127125-BSD1

Bromomethane

15G1139-01[No 6-SP1-1], 15G1139-02[No 6-SP1-2], 15G1139-03[No 6-SP1-3], 15G1139-09[No 6-SP1-9], 15G1139-10[No 6-SP2-1], 15G1139-11[No 6-SP2-2], 15G1139-12[No 6-SP2-3], 15G1139-13[No 6-SP3-1], 15G1139-14[No 6-SP3-2], B127014-BLK1, B127014-BS1, B127014-BSD1, B127125-BLK1, B127125-BS1, B127125-BSD1

Chloromethane

15G1139-01[No 6-SP1-1], 15G1139-02[No 6-SP1-2], 15G1139-09[No 6-SP1-9], 15G1139-10[No 6-SP2-1], 15G1139-12[No 6-SP2-3], 15G1139-13[No 6-SP3-1], 15G1139-14[No 6-SP3-2], B127125-BLK1, B127125-BS1, B127125-BSD1

Dichlorodifluoromethane (Freon 1)

15G1139-01[No 6-SP1-1], 15G1139-02[No 6-SP1-2], 15G1139-03[No 6-SP1-3], 15G1139-09[No 6-SP1-9], 15G1139-10[No 6-SP2-1], 15G1139-11[No 6-SP2-2], 15G1139-12[No 6-SP2-3], 15G1139-13[No 6-SP3-1], 15G1139-14[No 6-SP3-2], B127014-BLK1, B127014-BS1, B127014-BSD1, B127125-BLK1, B127125-BS1, B127125-BSD1

Naphthalene

15G1139-04[No 6-SP1-4], 15G1139-05[No 6-SP1-5], 15G1139-06[No 6-SP1-6], 15G1139-07[No 6-SP1-7], 15G1139-08[No 6-SP1-8], B127069-BLK1, B127069-BS1, B127069-BSD1

Trichlorofluoromethane (Freon 11)

15G1139-01[No 6-SP1-1], 15G1139-02[No 6-SP1-2], 15G1139-03[No 6-SP1-3], 15G1139-09[No 6-SP1-9], 15G1139-10[No 6-SP2-1], 15G1139-11[No 6-SP2-2], 15G1139-12[No 6-SP2-3], 15G1139-13[No 6-SP3-1], 15G1139-14[No 6-SP3-2], B127014-BLK1, B127014-BS1, B127014-BSD1, B127125-BLK1, B127125-BS1, B127125-BSD1

Vinyl Chloride

15G1139-01[No 6-SP1-1], 15G1139-02[No 6-SP1-2], 15G1139-03[No 6-SP1-3], 15G1139-09[No 6-SP1-9], 15G1139-10[No 6-SP2-1], 15G1139-11[No 6-SP2-2], 15G1139-12[No 6-SP2-3], 15G1139-13[No 6-SP3-1], 15G1139-14[No 6-SP3-2], B127014-BLK1, B127014-BS1, B127014-BSD1, B127125-BLK1, B127125-BS1, B127125-BSD1

V-06

Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.

Analyte & Samples(s) Qualified:

1,2,4-Trichlorobenzene

15G1139-13[No 6-SP3-1], B127125-BS1, B127125-BSD1

V-16

Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.

Analyte & Samples(s) Qualified:

1,4-Dioxane

15G1139-01[No 6-SP1-1], 15G1139-02[No 6-SP1-2], 15G1139-03[No 6-SP1-3], 15G1139-09[No 6-SP1-9], 15G1139-10[No 6-SP2-1], 15G1139-11[No 6-SP2-2], 15G1139-12[No 6-SP2-3], 15G1139-13[No 6-SP3-1], 15G1139-14[No 6-SP3-2], B127014-BLK1, B127014-BS1, B127014-BSD1, B127125-BLK1, B127125-BS1, B127125-BSD1

V-20

Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

1,2,3-Trichlorobenzene

B127125-BS1, B127125-BSD1

Hexachlorobutadiene

B127125-BS1, B127125-BSD1

SW-846 8270D

Qualifications:

RL-05

Elevated reporting limit due to high concentration of target compounds. MA CAM reporting limit not met.

Analyte & Samples(s) Qualified:

15G1139-06[No 6-SP1-6], 15G1139-09[No 6-SP1-9], 15G1139-12[No 6-SP2-3]

V-06

Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.

Analyte & Samples(s) Qualified:

Bis(2-chloroisopropyl)ether

B127001-BS1, B127001-BSD1



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V-20

Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

Bis(2-chloroisopropyl)ether

15G1139-01[No 6-SP1-1], 15G1139-02[No 6-SP1-2], 15G1139-03[No 6-SP1-3], 15G1139-04[No 6-SP1-4], 15G1139-05[No 6-SP1-5], 15G1139-06[No 6-SP1-6],
15G1139-07[No 6-SP1-7], 15G1139-08[No 6-SP1-8], 15G1139-09[No 6-SP1-9], 15G1139-10[No 6-SP2-1], 15G1139-11[No 6-SP2-2], 15G1139-12[No 6-SP2-3],
15G1139-13[No 6-SP3-1], 15G1139-14[No 6-SP3-2], B127001-BLK1

SW-846 9045C

Qualifications:

H-01

Recommended sample holding time was exceeded, but analysis was performed before 2X the allowable holding time.

Analyte & Samples(s) Qualified:

pH

15G1139-01[No 6-SP1-1]

SW-846 8015C

Diesel Range Organics (C10-C28) is quantitated against a calibration made with a #2 fuel oil standard.

SW-846 8260C

Laboratory control sample recoveries for required MCP Data Enhancement 8260 compounds were all within limits specified by the method except for "difficult analytes" where recovery control limits of 40-160% are used and/or unless otherwise listed in this narrative. Difficult analytes: MIBK, MEK, acetone, 1,4-dioxane, chloromethane, dichlorodifluoromethane, 2-hexanone, and bromomethane.

SW-846 8270D

Laboratory control sample recoveries for required MCP Data Enhancement 8270 compounds were all within control limits specified by the method, 40-140% for base/neutrals and 30-130% for acids except for "difficult analytes" listed below and/or otherwise listed in this narrative. Difficult analytes limits are 15 and 140%: 2,4-dinitrophenol, 4-chloroaniline, 4-nitrophenol, and phenol.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Johanna K. Harrington

Manager, Laboratory Reporting

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: WRTA

Date Received: 7/23/2015

Field Sample #: No 6-SP1-1

Sample Description:

Work Order: 15G1139

Sample ID: 15G1139-01

Sampled: 7/23/2015 10:27

Sample Matrix: Soil**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	2.3	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:52	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.023	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:52	EEH
Benzene	0.66	0.046	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:52	EEH
Bromobenzene	ND	0.046	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:52	EEH
Bromochloromethane	ND	0.046	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:52	EEH
Bromodichloromethane	ND	0.046	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:52	EEH
Bromoform	ND	0.046	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:52	EEH
Bromomethane	ND	0.23	mg/Kg dry	1	V-05, L-04, RL-07	SW-846 8260C	7/29/15	7/30/15 7:52	EEH
2-Butanone (MEK)	ND	0.93	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:52	EEH
n-Butylbenzene	ND	0.046	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:52	EEH
sec-Butylbenzene	ND	0.046	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:52	EEH
tert-Butylbenzene	ND	0.046	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:52	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.023	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:52	EEH
Carbon Disulfide	ND	0.46	mg/Kg dry	1	RL-07	SW-846 8260C	7/29/15	7/30/15 7:52	EEH
Carbon Tetrachloride	ND	0.046	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:52	EEH
Chlorobenzene	0.093	0.046	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:52	EEH
Chlorodibromomethane	ND	0.023	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:52	EEH
Chloroethane	ND	0.093	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:52	EEH
Chloroform	ND	0.093	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:52	EEH
Chloromethane	ND	0.23	mg/Kg dry	1	V-05, RL-07	SW-846 8260C	7/29/15	7/30/15 7:52	EEH
2-Chlorotoluene	ND	0.046	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:52	EEH
4-Chlorotoluene	ND	0.046	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:52	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.19	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:52	EEH
1,2-Dibromoethane (EDB)	ND	0.023	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:52	EEH
Dibromomethane	ND	0.046	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:52	EEH
1,2-Dichlorobenzene	ND	0.046	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:52	EEH
1,3-Dichlorobenzene	0.20	0.046	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:52	EEH
1,4-Dichlorobenzene	0.29	0.046	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:52	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.093	mg/Kg dry	1	V-05, L-04	SW-846 8260C	7/29/15	7/30/15 7:52	EEH
1,1-Dichloroethane	ND	0.046	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:52	EEH
1,2-Dichloroethane	ND	0.046	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:52	EEH
1,1-Dichloroethylene	ND	0.046	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:52	EEH
cis-1,2-Dichloroethylene	ND	0.046	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:52	EEH
trans-1,2-Dichloroethylene	ND	0.046	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:52	EEH
1,2-Dichloropropane	ND	0.046	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:52	EEH
1,3-Dichloropropane	ND	0.023	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:52	EEH
2,2-Dichloropropane	ND	0.046	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:52	EEH
1,1-Dichloropropene	ND	0.093	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:52	EEH
cis-1,3-Dichloropropene	ND	0.023	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:52	EEH
trans-1,3-Dichloropropene	ND	0.023	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:52	EEH
Diethyl Ether	ND	0.093	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:52	EEH
Diisopropyl Ether (DIPE)	ND	0.023	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:52	EEH
1,4-Dioxane	ND	2.3	mg/Kg dry	1	V-05, V-16	SW-846 8260C	7/29/15	7/30/15 7:52	EEH
Ethylbenzene	0.20	0.046	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:52	EEH



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP1-1

Sampled: 7/23/2015 10:27

Sample ID: 15G1139-01**Sample Matrix:** Soil**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.046	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:52	EEH
2-Hexanone (MBK)	ND	0.46	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:52	EEH
Isopropylbenzene (Cumene)	ND	0.046	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:52	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.046	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:52	EEH
Methyl tert-Butyl Ether (MTBE)	ND	0.046	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:52	EEH
Methylene Chloride	ND	0.46	mg/Kg dry	1	RL-07	SW-846 8260C	7/29/15	7/30/15 7:52	EEH
4-Methyl-2-pentanone (MIBK)	ND	0.46	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:52	EEH
Naphthalene	4.7	0.093	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:52	EEH
n-Propylbenzene	ND	0.046	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:52	EEH
Styrene	0.081	0.046	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:52	EEH
1,1,1,2-Tetrachloroethane	ND	0.046	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:52	EEH
1,1,2,2-Tetrachloroethane	ND	0.023	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:52	EEH
Tetrachloroethylene	ND	0.046	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:52	EEH
Tetrahydrofuran	ND	0.19	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:52	EEH
Toluene	0.65	0.046	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:52	EEH
1,2,3-Trichlorobenzene	ND	0.19	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:52	EEH
1,2,4-Trichlorobenzene	ND	0.046	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:52	EEH
1,1,1-Trichloroethane	ND	0.046	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:52	EEH
1,1,2-Trichloroethane	ND	0.046	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:52	EEH
Trichloroethylene	ND	0.046	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:52	EEH
Trichlorofluoromethane (Freon 11)	ND	0.093	mg/Kg dry	1	V-05, L-04	SW-846 8260C	7/29/15	7/30/15 7:52	EEH
1,2,3-Trichloropropane	ND	0.093	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:52	EEH
1,2,4-Trimethylbenzene	0.22	0.046	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:52	EEH
1,3,5-Trimethylbenzene	ND	0.23	mg/Kg dry	1	RL-07	SW-846 8260C	7/29/15	7/30/15 7:52	EEH
Vinyl Chloride	ND	0.093	mg/Kg dry	1	V-05	SW-846 8260C	7/29/15	7/30/15 7:52	EEH
m+p Xylene	0.31	0.093	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:52	EEH
o-Xylene	0.13	0.046	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:52	EEH
Surrogates		% Recovery	Recovery Limits	Flag/Qual					
1,2-Dichloroethane-d4		93.2	70-130						
Toluene-d8		96.4	70-130						
4-Bromofluorobenzene		99.9	70-130						

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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP1-1

Sampled: 7/23/2015 10:27

Sample ID: 15G1139-01**Sample Matrix:** Soil**Semivolatile Organic Compounds by GC/MS**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	0.97	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:15	CMR
Acenaphthylene	5.2	0.92	mg/Kg dry	5		SW-846 8270D	7/23/15	7/28/15 10:30	CMR
Acetophenone	ND	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:15	CMR
Aniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:15	CMR
Anthracene	4.0	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:15	CMR
Benzo(a)anthracene	9.6	0.92	mg/Kg dry	5		SW-846 8270D	7/23/15	7/28/15 10:30	CMR
Benzo(a)pyrene	12	0.92	mg/Kg dry	5		SW-846 8270D	7/23/15	7/28/15 10:30	CMR
Benzo(b)fluoranthene	13	0.92	mg/Kg dry	5		SW-846 8270D	7/23/15	7/28/15 10:30	CMR
Benzo(g,h,i)perylene	5.9	0.92	mg/Kg dry	5		SW-846 8270D	7/23/15	7/28/15 10:30	CMR
Benzo(k)fluoranthene	3.7	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:15	CMR
Bis(2-chloroethoxy)methane	ND	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:15	CMR
Bis(2-chloroethyl)ether	ND	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:15	CMR
Bis(2-chloroisopropyl)ether	ND	0.37	mg/Kg dry	1	V-20	SW-846 8270D	7/23/15	7/27/15 14:15	CMR
Bis(2-Ethylhexyl)phthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:15	CMR
4-Bromophenylphenylether	ND	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:15	CMR
Butylbenzylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:15	CMR
4-Chloroaniline	ND	0.72	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:15	CMR
2-Chloronaphthalene	ND	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:15	CMR
2-Chlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:15	CMR
Chrysene	11	0.92	mg/Kg dry	5		SW-846 8270D	7/23/15	7/28/15 10:30	CMR
Dibenz(a,h)anthracene	2.0	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:15	CMR
Dibenzofuran	0.78	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:15	CMR
Di-n-butylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:15	CMR
1,2-Dichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:15	CMR
1,3-Dichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:15	CMR
1,4-Dichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:15	CMR
3,3-Dichlorobenzidine	ND	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:15	CMR
2,4-Dichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:15	CMR
Diethylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:15	CMR
2,4-Dimethylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:15	CMR
Dimethylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:15	CMR
2,4-Dinitrophenol	ND	0.72	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:15	CMR
2,4-Dinitrotoluene	ND	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:15	CMR
2,6-Dinitrotoluene	ND	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:15	CMR
Di-n-octylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:15	CMR
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:15	CMR
Fluoranthene	19	0.92	mg/Kg dry	5		SW-846 8270D	7/23/15	7/28/15 10:30	CMR
Fluorene	0.51	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:15	CMR
Hexachlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:15	CMR
Hexachlorobutadiene	ND	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:15	CMR
Hexachloroethane	ND	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:15	CMR
Indeno(1,2,3-cd)pyrene	6.5	0.92	mg/Kg dry	5		SW-846 8270D	7/23/15	7/28/15 10:30	CMR
Isophorone	ND	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:15	CMR
2-Methylnaphthalene	2.1	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:15	CMR



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 10:27

Field Sample #: No 6-SP1-1

Sample ID: 15G1139-01

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:15	CMR
3/4-Methylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:15	CMR
Naphthalene	5.4	0.92	mg/Kg dry	5		SW-846 8270D	7/23/15	7/28/15 10:30	CMR
Nitrobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:15	CMR
2-Nitrophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:15	CMR
4-Nitrophenol	ND	0.72	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:15	CMR
Pentachlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:15	CMR
Phenanthrrene	12	0.92	mg/Kg dry	5		SW-846 8270D	7/23/15	7/28/15 10:30	CMR
Phenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:15	CMR
Pyrene	21	0.92	mg/Kg dry	5		SW-846 8270D	7/23/15	7/28/15 10:30	CMR
1,2,4-Trichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:15	CMR
2,4,5-Trichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:15	CMR
2,4,6-Trichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:15	CMR
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
2-Fluorophenol	56.0	30-130						7/27/15 14:15	
Phenol-d6	56.4	30-130						7/27/15 14:15	
Nitrobenzene-d5	55.2	30-130						7/27/15 14:15	
2-Fluorobiphenyl	56.0	30-130						7/27/15 14:15	
2,4,6-Tribromophenol	63.7	30-130						7/27/15 14:15	
p-Terphenyl-d14	66.4	30-130						7/27/15 14:15	



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 10:27

Field Sample #: No 6-SP1-1

Sample ID: 15G1139-01

Sample Matrix: Soil

Sample Flags: RL-12

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aldrin [1]	ND	0.11	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 1:47	JMB
alpha-BHC [1]	ND	0.11	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 1:47	JMB
beta-BHC [1]	ND	0.11	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 1:47	JMB
delta-BHC [1]	ND	0.11	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 1:47	JMB
gamma-BHC (Lindane) [1]	ND	0.044	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 1:47	JMB
Chlordane [1]	ND	0.44	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 1:47	JMB
4,4'-DDD [1]	ND	0.087	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 1:47	JMB
4,4'-DDE [1]	ND	0.087	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 1:47	JMB
4,4'-DDT [1]	ND	0.087	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 1:47	JMB
Dieldrin [1]	ND	0.087	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 1:47	JMB
Endosulfan I [1]	ND	0.11	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 1:47	JMB
Endosulfan II [1]	ND	0.17	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 1:47	JMB
Endosulfan sulfate [1]	ND	0.17	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 1:47	JMB
Endrin [1]	ND	0.17	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 1:47	JMB
Endrin ketone [1]	ND	0.17	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 1:47	JMB
Heptachlor [1]	ND	0.11	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 1:47	JMB
Heptachlor epoxide [1]	ND	0.11	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 1:47	JMB
Hexachlorobenzene [1]	ND	0.13	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 1:47	JMB
Methoxychlor [1]	ND	1.1	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 1:47	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	65.8	30-150		7/30/15 1:47
Decachlorobiphenyl [2]	64.4	30-150		7/30/15 1:47
Tetrachloro-m-xylene [1]	76.3	30-150		7/30/15 1:47
Tetrachloro-m-xylene [2]	69.8	30-150		7/30/15 1:47



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 10:27

Field Sample #: No 6-SP1-1

Sample ID: 15G1139-01

Sample Matrix: Soil

Sample Flags: O-32

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 9:26	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 9:26	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 9:26	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 9:26	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 9:26	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 9:26	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 9:26	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 9:26	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 9:26	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	71.4	30-150							7/28/15 9:26
Decachlorobiphenyl [2]	81.7	30-150							7/28/15 9:26
Tetrachloro-m-xylene [1]	67.4	30-150							7/28/15 9:26
Tetrachloro-m-xylene [2]	64.5	30-150							7/28/15 9:26



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 10:27

Field Sample #: No 6-SP1-1

Sample ID: 15G1139-01

Sample Matrix: Soil

Herbicides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-D [1]	ND	27	µg/kg dry	1		SW-846 8151A	7/24/15	7/27/15 20:37	JMB
2,4-DB [1]	ND	27	µg/kg dry	1		SW-846 8151A	7/24/15	7/27/15 20:37	JMB
2,4,5-TP (Silvex) [1]	ND	2.7	µg/kg dry	1		SW-846 8151A	7/24/15	7/27/15 20:37	JMB
2,4,5-T [1]	ND	2.7	µg/kg dry	1		SW-846 8151A	7/24/15	7/27/15 20:37	JMB
Dalapon [1]	ND	68	µg/kg dry	1		SW-846 8151A	7/24/15	7/27/15 20:37	JMB
Dicamba [1]	ND	2.7	µg/kg dry	1		SW-846 8151A	7/24/15	7/27/15 20:37	JMB
Dichloroprop [1]	ND	27	µg/kg dry	1		SW-846 8151A	7/24/15	7/27/15 20:37	JMB
Dinoseb [1]	ND	14	µg/kg dry	1		SW-846 8151A	7/24/15	7/27/15 20:37	JMB
MCPA [1]	ND	2700	µg/kg dry	1		SW-846 8151A	7/24/15	7/27/15 20:37	JMB
MCPP [1]	ND	2700	µg/kg dry	1		SW-846 8151A	7/24/15	7/27/15 20:37	JMB
Surrogates		% Recovery	Recovery Limits	Flag/Qual					
2,4-Dichlorophenylacetic acid [1]		80.4	30-150						
2,4-Dichlorophenylacetic acid [2]		85.4	30-150						



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 10:27

Field Sample #: No 6-SP1-1

Sample ID: 15G1139-01

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diesel Range Organics	2900	450	mg/Kg dry	50		SW-846 8015C	7/23/15	7/24/15 19:03	SCS
Surrogates									
o-Terphenyl	*		40-140			S-01		7/24/15 19:03	



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 10:27

Field Sample #: No 6-SP1-1

Sample ID: 15G1139-01

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	14	2.7	mg/Kg dry	1		SW-846 6010C	7/24/15	7/24/15 22:11	MJH
Barium	49	2.7	mg/Kg dry	1		SW-846 6010C	7/24/15	7/24/15 22:11	MJH
Cadmium	0.61	0.27	mg/Kg dry	1		SW-846 6010C	7/24/15	7/24/15 22:11	MJH
Chromium	17	0.55	mg/Kg dry	1		SW-846 6010C	7/24/15	7/24/15 22:11	MJH
Lead	65	0.82	mg/Kg dry	1		SW-846 6010C	7/24/15	7/24/15 22:11	MJH
Mercury	0.46	0.027	mg/Kg dry	1		SW-846 7471B	7/24/15	7/28/15 10:56	SCB
Selenium	ND	5.5	mg/Kg dry	1		SW-846 6010C	7/24/15	7/24/15 22:11	MJH
Silver	ND	0.55	mg/Kg dry	1		SW-846 6010C	7/24/15	7/24/15 22:11	MJH



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP1-1

Sampled: 7/23/2015 10:27

Sample ID: 15G1139-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	13	0.40	mg/Kg dry	1		SW-846 9014	7/27/15	7/28/15 13:50	VAK
Free Liquid	Absent		present/absent	1		SW-846 9095B	7/24/15	7/24/15 8:10	LL
Ignitability	Absent		present/absent	1		SW-846 1030	7/27/15	7/27/15 17:00	AG
pH @22.2°C	8.0		pH Units	1	H-01	SW-846 9045C	7/24/15	7/24/15 10:35	MMH
Reactive Cyanide	ND	4.0	mg/Kg	1		SW-846 9014	7/27/15	7/28/15 16:30	AG
Reactive Sulfide	ND	20	mg/Kg	1		SW-846 9030A	7/28/15	7/29/15 11:55	DJM
Specific conductance	31	2.0	µmhos/cm	1		SM21-22 2510B Modified SM 2540G	7/24/15	7/24/15 14:55	MMH
% Solids	91.5		% Wt	1			7/24/15	7/24/15 14:19	MRL



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 10:27

Field Sample #: No 6-SP1-1

Sample ID: 15G1139-01

Sample Matrix: Soil

TCLP - Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.010	0.00079	mg/L	10		SW-846 8260C	7/30/15	7/31/15 5:53	CMR
2-Butanone (MEK)	ND	0.20	0.024	mg/L	10		SW-846 8260C	7/30/15	7/31/15 5:53	CMR
Carbon Tetrachloride	ND	0.050	0.0010	mg/L	10		SW-846 8260C	7/30/15	7/31/15 5:53	CMR
Chlorobenzene	ND	0.010	0.0012	mg/L	10		SW-846 8260C	7/30/15	7/31/15 5:53	CMR
Chloroform	ND	0.020	0.0014	mg/L	10		SW-846 8260C	7/30/15	7/31/15 5:53	CMR
1,4-Dichlorobenzene	0.0025	0.010	0.00046	mg/L	10	J	SW-846 8260C	7/30/15	7/31/15 5:53	CMR
1,2-Dichloroethane	ND	0.010	0.0019	mg/L	10		SW-846 8260C	7/30/15	7/31/15 5:53	CMR
1,1-Dichloroethylene	ND	0.010	0.0021	mg/L	10		SW-846 8260C	7/30/15	7/31/15 5:53	CMR
Tetrachloroethylene	ND	0.010	0.00080	mg/L	10		SW-846 8260C	7/30/15	7/31/15 5:53	CMR
Trichloroethylene	ND	0.010	0.00077	mg/L	10		SW-846 8260C	7/30/15	7/31/15 5:53	CMR
Vinyl Chloride	ND	0.020	0.0013	mg/L	10		SW-846 8260C	7/30/15	7/31/15 5:53	CMR
Surrogates	% Recovery	Recovery Limits			Flag/Qual					
1,2-Dichloroethane-d4	94.6	70-130						7/31/15 5:53		
Toluene-d8	99.1	70-130						7/31/15 5:53		
4-Bromofluorobenzene	97.4	70-130						7/31/15 5:53		



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 10:27

Field Sample #: No 6-SP1-1

Sample ID: 15G1139-01

Sample Matrix: Soil

Miscellaneous Inorganic Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Sulfur	0.19	0.1	%	1		ASTM D-4239	7/30/15 0:00		SAL

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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP1-2

Sampled: 7/23/2015 10:55

Sample ID: 15G1139-02**Sample Matrix:** Soil**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	2.0	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 5:39	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.020	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 5:39	EEH
Benzene	0.14	0.040	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 5:39	EEH
Bromobenzene	ND	0.040	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 5:39	EEH
Bromochloromethane	ND	0.040	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 5:39	EEH
Bromodichloromethane	ND	0.040	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 5:39	EEH
Bromoform	ND	0.040	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 5:39	EEH
Bromomethane	ND	0.20	mg/Kg dry	1	L-04, RL-07, V-05	SW-846 8260C	7/29/15	7/30/15 5:39	EEH
2-Butanone (MEK)	ND	0.80	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 5:39	EEH
n-Butylbenzene	ND	0.040	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 5:39	EEH
sec-Butylbenzene	ND	0.040	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 5:39	EEH
tert-Butylbenzene	ND	0.040	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 5:39	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.020	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 5:39	EEH
Carbon Disulfide	ND	0.40	mg/Kg dry	1	RL-07	SW-846 8260C	7/29/15	7/30/15 5:39	EEH
Carbon Tetrachloride	ND	0.040	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 5:39	EEH
Chlorobenzene	0.16	0.040	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 5:39	EEH
Chlorodibromomethane	ND	0.020	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 5:39	EEH
Chloroethane	ND	0.080	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 5:39	EEH
Chloroform	ND	0.080	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 5:39	EEH
Chloromethane	ND	0.20	mg/Kg dry	1	RL-07, V-05	SW-846 8260C	7/29/15	7/30/15 5:39	EEH
2-Chlorotoluene	ND	0.040	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 5:39	EEH
4-Chlorotoluene	ND	0.040	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 5:39	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.16	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 5:39	EEH
1,2-Dibromoethane (EDB)	ND	0.020	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 5:39	EEH
Dibromomethane	ND	0.040	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 5:39	EEH
1,2-Dichlorobenzene	ND	0.040	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 5:39	EEH
1,3-Dichlorobenzene	0.46	0.040	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 5:39	EEH
1,4-Dichlorobenzene	0.56	0.040	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 5:39	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.080	mg/Kg dry	1	L-04, V-05	SW-846 8260C	7/29/15	7/30/15 5:39	EEH
1,1-Dichloroethane	ND	0.040	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 5:39	EEH
1,2-Dichloroethane	ND	0.040	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 5:39	EEH
1,1-Dichloroethylene	ND	0.040	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 5:39	EEH
cis-1,2-Dichloroethylene	ND	0.040	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 5:39	EEH
trans-1,2-Dichloroethylene	ND	0.040	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 5:39	EEH
1,2-Dichloropropane	ND	0.040	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 5:39	EEH
1,3-Dichloropropane	ND	0.020	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 5:39	EEH
2,2-Dichloropropane	ND	0.040	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 5:39	EEH
1,1-Dichloropropene	ND	0.080	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 5:39	EEH
cis-1,3-Dichloropropene	ND	0.020	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 5:39	EEH
trans-1,3-Dichloropropene	ND	0.020	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 5:39	EEH
Diethyl Ether	ND	0.080	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 5:39	EEH
Diisopropyl Ether (DIPE)	ND	0.020	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 5:39	EEH
1,4-Dioxane	ND	2.0	mg/Kg dry	1	V-05, V-16	SW-846 8260C	7/29/15	7/30/15 5:39	EEH
Ethylbenzene	0.10	0.040	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 5:39	EEH



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP1-2

Sampled: 7/23/2015 10:55

Sample ID: 15G1139-02Sample Matrix: Soil**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.040	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 5:39	EEH
2-Hexanone (MBK)	ND	0.40	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 5:39	EEH
Isopropylbenzene (Cumene)	ND	0.040	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 5:39	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.040	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 5:39	EEH
Methyl tert-Butyl Ether (MTBE)	ND	0.040	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 5:39	EEH
Methylene Chloride	ND	0.40	mg/Kg dry	1	RL-07	SW-846 8260C	7/29/15	7/30/15 5:39	EEH
4-Methyl-2-pentanone (MIBK)	ND	0.40	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 5:39	EEH
Naphthalene	0.78	0.080	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 5:39	EEH
n-Propylbenzene	ND	0.040	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 5:39	EEH
Styrene	ND	0.040	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 5:39	EEH
1,1,1,2-Tetrachloroethane	ND	0.040	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 5:39	EEH
1,1,2,2-Tetrachloroethane	ND	0.020	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 5:39	EEH
Tetrachloroethylene	ND	0.040	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 5:39	EEH
Tetrahydrofuran	ND	0.16	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 5:39	EEH
Toluene	0.17	0.040	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 5:39	EEH
1,2,3-Trichlorobenzene	ND	0.16	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 5:39	EEH
1,2,4-Trichlorobenzene	ND	0.040	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 5:39	EEH
1,1,1-Trichloroethane	ND	0.040	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 5:39	EEH
1,1,2-Trichloroethane	ND	0.040	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 5:39	EEH
Trichloroethylene	ND	0.040	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 5:39	EEH
Trichlorofluoromethane (Freon 11)	ND	0.080	mg/Kg dry	1	L-04, V-05	SW-846 8260C	7/29/15	7/30/15 5:39	EEH
1,2,3-Trichloropropane	ND	0.080	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 5:39	EEH
1,2,4-Trimethylbenzene	0.072	0.040	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 5:39	EEH
1,3,5-Trimethylbenzene	ND	0.20	mg/Kg dry	1	RL-07	SW-846 8260C	7/29/15	7/30/15 5:39	EEH
Vinyl Chloride	ND	0.080	mg/Kg dry	1	V-05	SW-846 8260C	7/29/15	7/30/15 5:39	EEH
m+p Xylene	0.16	0.080	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 5:39	EEH
o-Xylene	0.053	0.040	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 5:39	EEH
Surrogates		% Recovery	Recovery Limits	Flag/Qual					
1,2-Dichloroethane-d4		89.8	70-130						7/30/15 5:39
Toluene-d8		98.2	70-130						7/30/15 5:39
4-Bromofluorobenzene		103	70-130						7/30/15 5:39

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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP1-2

Sampled: 7/23/2015 10:55

Sample ID: 15G1139-02Sample Matrix: Soil**Semivolatile Organic Compounds by GC/MS**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	0.35	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:41	CMR
Acenaphthylene	2.3	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:41	CMR
Acetophenone	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:41	CMR
Aniline	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:41	CMR
Anthracene	1.4	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:41	CMR
Benzo(a)anthracene	4.6	0.90	mg/Kg dry	5		SW-846 8270D	7/23/15	7/28/15 10:54	CMR
Benzo(a)pyrene	5.9	0.90	mg/Kg dry	5		SW-846 8270D	7/23/15	7/28/15 10:54	CMR
Benzo(b)fluoranthene	6.8	0.90	mg/Kg dry	5		SW-846 8270D	7/23/15	7/28/15 10:54	CMR
Benzo(g,h,i)perylene	4.0	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:41	CMR
Benzo(k)fluoranthene	2.1	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:41	CMR
Bis(2-chloroethoxy)methane	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:41	CMR
Bis(2-chloroethyl)ether	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:41	CMR
Bis(2-chloroisopropyl)ether	ND	0.36	mg/Kg dry	1	V-20	SW-846 8270D	7/23/15	7/27/15 14:41	CMR
Bis(2-Ethylhexyl)phthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:41	CMR
4-Bromophenylphenylether	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:41	CMR
Butylbenzylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:41	CMR
4-Chloroaniline	ND	0.70	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:41	CMR
2-Chloronaphthalene	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:41	CMR
2-Chlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:41	CMR
Chrysene	5.6	0.90	mg/Kg dry	5		SW-846 8270D	7/23/15	7/28/15 10:54	CMR
Dibenz(a,h)anthracene	1.1	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:41	CMR
Dibenzofuran	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:41	CMR
Di-n-butylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:41	CMR
1,2-Dichlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:41	CMR
1,3-Dichlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:41	CMR
1,4-Dichlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:41	CMR
3,3-Dichlorobenzidine	ND	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:41	CMR
2,4-Dichlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:41	CMR
Diethylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:41	CMR
2,4-Dimethylphenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:41	CMR
Dimethylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:41	CMR
2,4-Dinitrophenol	ND	0.70	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:41	CMR
2,4-Dinitrotoluene	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:41	CMR
2,6-Dinitrotoluene	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:41	CMR
Di-n-octylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:41	CMR
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:41	CMR
Fluoranthene	8.1	0.90	mg/Kg dry	5		SW-846 8270D	7/23/15	7/28/15 10:54	CMR
Fluorene	0.78	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:41	CMR
Hexachlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:41	CMR
Hexachlorobutadiene	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:41	CMR
Hexachloroethane	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:41	CMR
Indeno(1,2,3-cd)pyrene	4.2	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:41	CMR
Isophorone	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:41	CMR
2-Methylnaphthalene	0.81	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:41	CMR



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 10:55

Field Sample #: No 6-SP1-2

Sample ID: 15G1139-02

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:41	CMR
3/4-Methylphenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:41	CMR
Naphthalene	2.1	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:41	CMR
Nitrobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:41	CMR
2-Nitrophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:41	CMR
4-Nitrophenol	ND	0.70	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:41	CMR
Pentachlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:41	CMR
Phenanthrrene	4.8	0.90	mg/Kg dry	5		SW-846 8270D	7/23/15	7/28/15 10:54	CMR
Phenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:41	CMR
Pyrene	10	0.90	mg/Kg dry	5		SW-846 8270D	7/23/15	7/28/15 10:54	CMR
1,2,4-Trichlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:41	CMR
2,4,5-Trichlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:41	CMR
2,4,6-Trichlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 14:41	CMR
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
2-Fluorophenol	50.9	30-130						7/27/15 14:41	
Phenol-d6	54.9	30-130						7/27/15 14:41	
Nitrobenzene-d5	51.6	30-130						7/27/15 14:41	
2-Fluorobiphenyl	57.9	30-130						7/27/15 14:41	
2,4,6-Tribromophenol	70.4	30-130						7/27/15 14:41	
p-Terphenyl-d14	73.7	30-130						7/27/15 14:41	



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 10:55

Field Sample #: No 6-SP1-2

Sample ID: 15G1139-02

Sample Matrix: Soil

Sample Flags: RL-12

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aldrin [1]	ND	0.10	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 2:10	JMB
alpha-BHC [1]	ND	0.10	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 2:10	JMB
beta-BHC [1]	ND	0.10	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 2:10	JMB
delta-BHC [1]	ND	0.10	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 2:10	JMB
gamma-BHC (Lindane) [1]	ND	0.040	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 2:10	JMB
Chlordane [1]	ND	0.40	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 2:10	JMB
4,4'-DDD [1]	ND	0.081	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 2:10	JMB
4,4'-DDE [1]	ND	0.081	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 2:10	JMB
4,4'-DDT [1]	ND	0.081	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 2:10	JMB
Dieldrin [1]	ND	0.081	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 2:10	JMB
Endosulfan I [1]	ND	0.10	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 2:10	JMB
Endosulfan II [1]	ND	0.16	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 2:10	JMB
Endosulfan sulfate [1]	ND	0.16	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 2:10	JMB
Endrin [1]	ND	0.16	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 2:10	JMB
Endrin ketone [1]	ND	0.16	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 2:10	JMB
Heptachlor [1]	ND	0.10	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 2:10	JMB
Heptachlor epoxide [1]	ND	0.10	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 2:10	JMB
Hexachlorobenzene [1]	ND	0.12	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 2:10	JMB
Methoxychlor [1]	ND	1.0	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 2:10	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	69.5	30-150		7/30/15 2:10
Decachlorobiphenyl [2]	66.5	30-150		7/30/15 2:10
Tetrachloro-m-xylene [1]	76.9	30-150		7/30/15 2:10
Tetrachloro-m-xylene [2]	68.3	30-150		7/30/15 2:10



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 10:55

Field Sample #: No 6-SP1-2

Sample ID: 15G1139-02

Sample Matrix: Soil

Sample Flags: O-32

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 9:44	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 9:44	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 9:44	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 9:44	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 9:44	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 9:44	KAL
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 9:44	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 9:44	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 9:44	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	58.6	30-150							7/28/15 9:44
Decachlorobiphenyl [2]	63.3	30-150							7/28/15 9:44
Tetrachloro-m-xylene [1]	53.9	30-150							7/28/15 9:44
Tetrachloro-m-xylene [2]	52.1	30-150							7/28/15 9:44



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 10:55

Field Sample #: No 6-SP1-2

Sample ID: 15G1139-02

Sample Matrix: Soil

Herbicides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-D [1]	ND	26	µg/kg dry	1		SW-846 8151A	7/24/15	7/27/15 21:15	JMB
2,4-DB [1]	42	26	µg/kg dry	1		SW-846 8151A	7/24/15	7/27/15 21:15	JMB
2,4,5-TP (Silvex) [1]	ND	2.6	µg/kg dry	1		SW-846 8151A	7/24/15	7/27/15 21:15	JMB
2,4,5-T [1]	ND	2.6	µg/kg dry	1		SW-846 8151A	7/24/15	7/27/15 21:15	JMB
Dalapon [1]	ND	66	µg/kg dry	1		SW-846 8151A	7/24/15	7/27/15 21:15	JMB
Dicamba [1]	ND	2.6	µg/kg dry	1		SW-846 8151A	7/24/15	7/27/15 21:15	JMB
Dichloroprop [1]	ND	26	µg/kg dry	1		SW-846 8151A	7/24/15	7/27/15 21:15	JMB
Dinoseb [1]	ND	13	µg/kg dry	1		SW-846 8151A	7/24/15	7/27/15 21:15	JMB
MCPA [1]	ND	2600	µg/kg dry	1		SW-846 8151A	7/24/15	7/27/15 21:15	JMB
MCPP [1]	ND	2600	µg/kg dry	1		SW-846 8151A	7/24/15	7/27/15 21:15	JMB
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
2,4-Dichlorophenylacetic acid [1]	83.7	30-150							7/27/15 21:15
2,4-Dichlorophenylacetic acid [2]	91.3	30-150							7/27/15 21:15



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 10:55

Field Sample #: No 6-SP1-2

Sample ID: 15G1139-02

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diesel Range Organics	3600	440	mg/Kg dry	50		SW-846 8015C	7/23/15	7/24/15 19:21	SCS
Surrogates									
o-Terphenyl	*		40-140			S-01		7/24/15 19:21	



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP1-2

Sampled: 7/23/2015 10:55

Sample ID: 15G1139-02

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	13	2.6	mg/Kg dry	1		SW-846 6010C	7/24/15	7/24/15 22:16	MJH
Barium	38	2.6	mg/Kg dry	1		SW-846 6010C	7/24/15	7/24/15 22:16	MJH
Cadmium	0.57	0.26	mg/Kg dry	1		SW-846 6010C	7/24/15	7/24/15 22:16	MJH
Chromium	13	0.53	mg/Kg dry	1		SW-846 6010C	7/24/15	7/24/15 22:16	MJH
Lead	54	0.79	mg/Kg dry	1		SW-846 6010C	7/24/15	7/24/15 22:16	MJH
Mercury	0.20	0.027	mg/Kg dry	1		SW-846 7471B	7/24/15	7/28/15 10:58	SCB
Selenium	ND	5.3	mg/Kg dry	1		SW-846 6010C	7/24/15	7/24/15 22:16	MJH
Silver	ND	0.53	mg/Kg dry	1		SW-846 6010C	7/24/15	7/24/15 22:16	MJH



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 10:55

Field Sample #: No 6-SP1-2

Sample ID: 15G1139-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	11	0.44	mg/Kg dry	1		SW-846 9014	7/27/15	7/28/15 13:50	VAK
Free Liquid	Absent		present/absent	1		SW-846 9095B	7/24/15	7/24/15 8:10	LL
Ignitability	Absent		present/absent	1		SW-846 1030	7/27/15	7/27/15 17:00	AG
pH @21.8°C	7.7		pH Units	1		SW-846 9045C	7/24/15	7/24/15 10:35	MMH
Reactive Cyanide	ND	4.0	mg/Kg	1		SW-846 9014	7/27/15	7/28/15 16:30	AG
Reactive Sulfide	ND	20	mg/Kg	1		SW-846 9030A	7/28/15	7/29/15 11:55	DJM
Specific conductance	19	2.0	µmhos/cm	1		SM21-22 2510B Modified SM 2540G	7/24/15	7/24/15 14:55	MMH
% Solids	94.1		% Wt	1			7/24/15	7/24/15 14:19	MRL



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 10:55

Field Sample #: No 6-SP1-2

Sample ID: 15G1139-02

Sample Matrix: Soil

TCLP - Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.010	0.00079	mg/L	10		SW-846 8260C	7/30/15	7/31/15 6:23	CMR
2-Butanone (MEK)	ND	0.20	0.024	mg/L	10		SW-846 8260C	7/30/15	7/31/15 6:23	CMR
Carbon Tetrachloride	ND	0.050	0.0010	mg/L	10		SW-846 8260C	7/30/15	7/31/15 6:23	CMR
Chlorobenzene	ND	0.010	0.0012	mg/L	10		SW-846 8260C	7/30/15	7/31/15 6:23	CMR
Chloroform	ND	0.020	0.0014	mg/L	10		SW-846 8260C	7/30/15	7/31/15 6:23	CMR
1,4-Dichlorobenzene	0.0039	0.010	0.00046	mg/L	10	J	SW-846 8260C	7/30/15	7/31/15 6:23	CMR
1,2-Dichloroethane	ND	0.010	0.0019	mg/L	10		SW-846 8260C	7/30/15	7/31/15 6:23	CMR
1,1-Dichloroethylene	ND	0.010	0.0021	mg/L	10		SW-846 8260C	7/30/15	7/31/15 6:23	CMR
Tetrachloroethylene	ND	0.010	0.00080	mg/L	10		SW-846 8260C	7/30/15	7/31/15 6:23	CMR
Trichloroethylene	ND	0.010	0.00077	mg/L	10		SW-846 8260C	7/30/15	7/31/15 6:23	CMR
Vinyl Chloride	ND	0.020	0.0013	mg/L	10		SW-846 8260C	7/30/15	7/31/15 6:23	CMR
Surrogates	% Recovery	Recovery Limits			Flag/Qual					
1,2-Dichloroethane-d4	94.7	70-130						7/31/15 6:23		
Toluene-d8	98.6	70-130						7/31/15 6:23		
4-Bromofluorobenzene	97.4	70-130						7/31/15 6:23		



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 10:55

Field Sample #: No 6-SP1-2

Sample ID: 15G1139-02

Sample Matrix: Soil

Miscellaneous Inorganic Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Sulfur	0.18	0.1	%	1		ASTM D-4239	7/30/15 0:00		SAL

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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP1-3

Sampled: 7/23/2015 11:10

Sample ID: 15G1139-03Sample Matrix: Soil

Sample Flags: RL-05

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	44	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 9:28	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.44	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 9:28	EEH
Benzene	ND	0.89	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 9:28	EEH
Bromobenzene	ND	0.89	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 9:28	EEH
Bromochloromethane	ND	0.89	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 9:28	EEH
Bromodichloromethane	ND	0.89	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 9:28	EEH
Bromoform	ND	0.89	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 9:28	EEH
Bromomethane	ND	4.4	mg/Kg dry	20	V-05, L-04	SW-846 8260C	7/24/15	7/26/15 9:28	EEH
2-Butanone (MEK)	ND	18	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 9:28	EEH
n-Butylbenzene	ND	0.89	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 9:28	EEH
sec-Butylbenzene	ND	0.89	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 9:28	EEH
tert-Butylbenzene	ND	0.89	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 9:28	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.44	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 9:28	EEH
Carbon Disulfide	ND	8.9	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 9:28	EEH
Carbon Tetrachloride	ND	0.89	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 9:28	EEH
Chlorobenzene	ND	0.89	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 9:28	EEH
Chlorodibromomethane	ND	0.44	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 9:28	EEH
Chloroethane	ND	1.8	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 9:28	EEH
Chloroform	ND	1.8	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 9:28	EEH
Chloromethane	ND	4.4	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 9:28	EEH
2-Chlorotoluene	ND	0.89	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 9:28	EEH
4-Chlorotoluene	ND	0.89	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 9:28	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	3.5	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 9:28	EEH
1,2-Dibromoethane (EDB)	ND	0.44	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 9:28	EEH
Dibromomethane	ND	0.89	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 9:28	EEH
1,2-Dichlorobenzene	ND	0.89	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 9:28	EEH
1,3-Dichlorobenzene	ND	0.89	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 9:28	EEH
1,4-Dichlorobenzene	ND	0.89	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 9:28	EEH
Dichlorodifluoromethane (Freon 12)	ND	1.8	mg/Kg dry	20	L-04, V-05	SW-846 8260C	7/24/15	7/26/15 9:28	EEH
1,1-Dichloroethane	ND	0.89	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 9:28	EEH
1,2-Dichloroethane	ND	0.89	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 9:28	EEH
1,1-Dichloroethylene	ND	0.89	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 9:28	EEH
cis-1,2-Dichloroethylene	ND	0.89	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 9:28	EEH
trans-1,2-Dichloroethylene	ND	0.89	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 9:28	EEH
1,2-Dichloropropane	ND	0.89	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 9:28	EEH
1,3-Dichloropropane	ND	0.44	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 9:28	EEH
2,2-Dichloropropane	ND	0.89	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 9:28	EEH
1,1-Dichloropropene	ND	1.8	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 9:28	EEH
cis-1,3-Dichloropropene	ND	0.44	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 9:28	EEH
trans-1,3-Dichloropropene	ND	0.44	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 9:28	EEH
Diethyl Ether	ND	1.8	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 9:28	EEH
Diisopropyl Ether (DIPE)	ND	0.44	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 9:28	EEH
1,4-Dioxane	ND	44	mg/Kg dry	20	R-05, V-16	SW-846 8260C	7/24/15	7/26/15 9:28	EEH
Ethylbenzene	ND	0.89	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 9:28	EEH



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP1-3

Sampled: 7/23/2015 11:10

Sample ID: 15G1139-03Sample Matrix: Soil

Sample Flags: RL-05

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.89	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 9:28	EEH
2-Hexanone (MBK)	ND	8.9	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 9:28	EEH
Isopropylbenzene (Cumene)	ND	0.89	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 9:28	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.89	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 9:28	EEH
Methyl tert-Butyl Ether (MTBE)	ND	0.89	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 9:28	EEH
Methylene Chloride	ND	8.9	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 9:28	EEH
4-Methyl-2-pentanone (MIBK)	ND	8.9	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 9:28	EEH
Naphthalene	57	1.8	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 9:28	EEH
n-Propylbenzene	ND	0.89	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 9:28	EEH
Styrene	ND	0.89	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 9:28	EEH
1,1,1,2-Tetrachloroethane	ND	0.89	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 9:28	EEH
1,1,2,2-Tetrachloroethane	ND	0.44	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 9:28	EEH
Tetrachloroethylene	ND	0.89	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 9:28	EEH
Tetrahydrofuran	ND	3.5	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 9:28	EEH
Toluene	ND	0.89	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 9:28	EEH
1,2,3-Trichlorobenzene	ND	3.5	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 9:28	EEH
1,2,4-Trichlorobenzene	ND	0.89	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 9:28	EEH
1,1,1-Trichloroethane	ND	0.89	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 9:28	EEH
1,1,2-Trichloroethane	ND	0.89	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 9:28	EEH
Trichloroethylene	ND	0.89	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 9:28	EEH
Trichlorofluoromethane (Freon 11)	ND	1.8	mg/Kg dry	20	L-04, V-05	SW-846 8260C	7/24/15	7/26/15 9:28	EEH
1,2,3-Trichloropropane	ND	1.8	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 9:28	EEH
1,2,4-Trimethylbenzene	ND	0.89	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 9:28	EEH
1,3,5-Trimethylbenzene	ND	4.4	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 9:28	EEH
Vinyl Chloride	ND	1.8	mg/Kg dry	20	V-05	SW-846 8260C	7/24/15	7/26/15 9:28	EEH
m+p Xylene	ND	1.8	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 9:28	EEH
o-Xylene	ND	0.89	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 9:28	EEH
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	88.3	70-130							7/26/15 9:28
Toluene-d8	98.4	70-130							7/26/15 9:28
4-Bromofluorobenzene	99.6	70-130							7/26/15 9:28

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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP1-3

Sampled: 7/23/2015 11:10

Sample ID: 15G1139-03Sample Matrix: Soil**Semivolatile Organic Compounds by GC/MS**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	2.5	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:07	CMR
Acenaphthylene	6.1	1.8	mg/Kg dry	10		SW-846 8270D	7/23/15	7/28/15 11:20	CMR
Acetophenone	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:07	CMR
Aniline	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:07	CMR
Anthracene	6.7	1.8	mg/Kg dry	10		SW-846 8270D	7/23/15	7/28/15 11:20	CMR
Benzo(a)anthracene	13	1.8	mg/Kg dry	10		SW-846 8270D	7/23/15	7/28/15 11:20	CMR
Benzo(a)pyrene	14	1.8	mg/Kg dry	10		SW-846 8270D	7/23/15	7/28/15 11:20	CMR
Benzo(b)fluoranthene	16	1.8	mg/Kg dry	10		SW-846 8270D	7/23/15	7/28/15 11:20	CMR
Benzo(g,h,i)perylene	7.4	1.8	mg/Kg dry	10		SW-846 8270D	7/23/15	7/28/15 11:20	CMR
Benzo(k)fluoranthene	4.9	1.8	mg/Kg dry	10		SW-846 8270D	7/23/15	7/28/15 11:20	CMR
Bis(2-chloroethoxy)methane	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:07	CMR
Bis(2-chloroethyl)ether	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:07	CMR
Bis(2-chloroisopropyl)ether	ND	0.36	mg/Kg dry	1	V-20	SW-846 8270D	7/23/15	7/27/15 15:07	CMR
Bis(2-Ethylhexyl)phthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:07	CMR
4-Bromophenylphenylether	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:07	CMR
Butylbenzylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:07	CMR
4-Chloroaniline	ND	0.70	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:07	CMR
2-Chloronaphthalene	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:07	CMR
2-Chlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:07	CMR
Chrysene	13	1.8	mg/Kg dry	10		SW-846 8270D	7/23/15	7/28/15 11:20	CMR
Dibenz(a,h)anthracene	1.9	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:07	CMR
Dibenzofuran	1.7	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:07	CMR
Di-n-butylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:07	CMR
1,2-Dichlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:07	CMR
1,3-Dichlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:07	CMR
1,4-Dichlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:07	CMR
3,3-Dichlorobenzidine	ND	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:07	CMR
2,4-Dichlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:07	CMR
Diethylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:07	CMR
2,4-Dimethylphenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:07	CMR
Dimethylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:07	CMR
2,4-Dinitrophenol	ND	0.70	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:07	CMR
2,4-Dinitrotoluene	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:07	CMR
2,6-Dinitrotoluene	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:07	CMR
Di-n-octylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:07	CMR
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:07	CMR
Fluoranthene	28	1.8	mg/Kg dry	10		SW-846 8270D	7/23/15	7/28/15 11:20	CMR
Fluorene	5.0	1.8	mg/Kg dry	10		SW-846 8270D	7/23/15	7/28/15 11:20	CMR
Hexachlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:07	CMR
Hexachlorobutadiene	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:07	CMR
Hexachloroethane	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:07	CMR
Indeno(1,2,3-cd)pyrene	8.1	1.8	mg/Kg dry	10		SW-846 8270D	7/23/15	7/28/15 11:20	CMR
Isophorone	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:07	CMR
2-Methylnaphthalene	3.2	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:07	CMR



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 11:10

Field Sample #: No 6-SP1-3

Sample ID: 15G1139-03

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:07	CMR
3/4-Methylphenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:07	CMR
Naphthalene	5.5	1.8	mg/Kg dry	10		SW-846 8270D	7/23/15	7/28/15 11:20	CMR
Nitrobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:07	CMR
2-Nitrophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:07	CMR
4-Nitrophenol	ND	0.70	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:07	CMR
Pentachlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:07	CMR
Phenanthrene	23	1.8	mg/Kg dry	10		SW-846 8270D	7/23/15	7/28/15 11:20	CMR
Phenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:07	CMR
Pyrene	28	1.8	mg/Kg dry	10		SW-846 8270D	7/23/15	7/28/15 11:20	CMR
1,2,4-Trichlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:07	CMR
2,4,5-Trichlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:07	CMR
2,4,6-Trichlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:07	CMR
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
2-Fluorophenol	53.5	30-130						7/27/15 15:07	
Phenol-d6	54.8	30-130						7/27/15 15:07	
Nitrobenzene-d5	54.4	30-130						7/27/15 15:07	
2-Fluorobiphenyl	53.4	30-130						7/27/15 15:07	
2,4,6-Tribromophenol	61.7	30-130						7/27/15 15:07	
p-Terphenyl-d14	77.9	30-130						7/27/15 15:07	



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 11:10

Field Sample #: No 6-SP1-3

Sample ID: 15G1139-03

Sample Matrix: Soil

Sample Flags: RL-12

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aldrin [1]	ND	0.11	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 2:32	JMB
alpha-BHC [1]	ND	0.11	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 2:32	JMB
beta-BHC [1]	ND	0.11	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 2:32	JMB
delta-BHC [1]	ND	0.11	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 2:32	JMB
gamma-BHC (Lindane) [1]	ND	0.042	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 2:32	JMB
Chlordane [1]	ND	0.42	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 2:32	JMB
4,4'-DDD [1]	ND	0.085	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 2:32	JMB
4,4'-DDE [1]	ND	0.085	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 2:32	JMB
4,4'-DDT [1]	ND	0.085	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 2:32	JMB
Dieldrin [1]	ND	0.085	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 2:32	JMB
Endosulfan I [1]	ND	0.11	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 2:32	JMB
Endosulfan II [1]	ND	0.17	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 2:32	JMB
Endosulfan sulfate [1]	ND	0.17	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 2:32	JMB
Endrin [1]	ND	0.17	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 2:32	JMB
Endrin ketone [1]	ND	0.17	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 2:32	JMB
Heptachlor [1]	ND	0.11	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 2:32	JMB
Heptachlor epoxide [1]	ND	0.11	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 2:32	JMB
Hexachlorobenzene [1]	ND	0.13	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 2:32	JMB
Methoxychlor [1]	ND	1.1	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 2:32	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	73.0	30-150		7/30/15 2:32
Decachlorobiphenyl [2]	71.9	30-150		7/30/15 2:32
Tetrachloro-m-xylene [1]	71.6	30-150		7/30/15 2:32
Tetrachloro-m-xylene [2]	82.6	30-150		7/30/15 2:32



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 11:10

Field Sample #: No 6-SP1-3

Sample ID: 15G1139-03

Sample Matrix: Soil

Sample Flags: O-32

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/15	7/29/15 4:37	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/15	7/29/15 4:37	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/15	7/29/15 4:37	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/15	7/29/15 4:37	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/15	7/29/15 4:37	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/15	7/29/15 4:37	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/15	7/29/15 4:37	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/15	7/29/15 4:37	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/15	7/29/15 4:37	KAL
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	80.1		30-150					7/29/15 4:37	
Decachlorobiphenyl [2]	77.8		30-150					7/29/15 4:37	
Tetrachloro-m-xylene [1]	65.6		30-150					7/29/15 4:37	
Tetrachloro-m-xylene [2]	61.8		30-150					7/29/15 4:37	



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 11:10

Field Sample #: No 6-SP1-3

Sample ID: 15G1139-03

Sample Matrix: Soil

Herbicides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-D [1]	ND	26	µg/kg dry	1		SW-846 8151A	7/24/15	7/27/15 21:54	JMB
2,4-DB [1]	ND	26	µg/kg dry	1		SW-846 8151A	7/24/15	7/27/15 21:54	JMB
2,4,5-TP (Silvex) [1]	ND	2.6	µg/kg dry	1		SW-846 8151A	7/24/15	7/27/15 21:54	JMB
2,4,5-T [1]	ND	2.6	µg/kg dry	1		SW-846 8151A	7/24/15	7/27/15 21:54	JMB
Dalapon [1]	ND	66	µg/kg dry	1		SW-846 8151A	7/24/15	7/27/15 21:54	JMB
Dicamba [1]	ND	2.6	µg/kg dry	1		SW-846 8151A	7/24/15	7/27/15 21:54	JMB
Dichloroprop [1]	ND	26	µg/kg dry	1		SW-846 8151A	7/24/15	7/27/15 21:54	JMB
Dinoseb [1]	29	13	µg/kg dry	1		SW-846 8151A	7/24/15	7/27/15 21:54	JMB
MCPA [1]	ND	2600	µg/kg dry	1		SW-846 8151A	7/24/15	7/27/15 21:54	JMB
MCPP [1]	ND	2600	µg/kg dry	1		SW-846 8151A	7/24/15	7/27/15 21:54	JMB
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
2,4-Dichlorophenylacetic acid [1]	92.5	30-150							7/27/15 21:54
2,4-Dichlorophenylacetic acid [2]	85.9	30-150							7/27/15 21:54



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 11:10

Field Sample #: No 6-SP1-3

Sample ID: 15G1139-03

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diesel Range Organics	3100	440	mg/Kg dry	50		SW-846 8015C	7/23/15	7/24/15 19:39	SCS
Surrogates									
o-Terphenyl	*		40-140			S-01		7/24/15 19:39	



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 11:10

Field Sample #: No 6-SP1-3

Sample ID: 15G1139-03

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	15	2.6	mg/Kg dry	1		SW-846 6010C	7/24/15	7/28/15 0:30	MJH
Barium	42	2.6	mg/Kg dry	1		SW-846 6010C	7/24/15	7/28/15 0:30	MJH
Cadmium	0.84	0.26	mg/Kg dry	1		SW-846 6010C	7/24/15	7/28/15 0:30	MJH
Chromium	13	0.53	mg/Kg dry	1		SW-846 6010C	7/24/15	7/28/15 0:30	MJH
Lead	77	0.79	mg/Kg dry	1	MS-07	SW-846 6010C	7/24/15	7/28/15 0:30	MJH
Mercury	0.42	0.026	mg/Kg dry	1		SW-846 7471B	7/24/15	7/28/15 10:59	SCB
Selenium	ND	5.3	mg/Kg dry	1		SW-846 6010C	7/24/15	7/28/15 0:30	MJH
Silver	ND	0.53	mg/Kg dry	1		SW-846 6010C	7/24/15	7/28/15 0:30	MJH



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP1-3

Sampled: 7/23/2015 11:10

Sample ID: 15G1139-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	43	2.0	mg/Kg dry	5		SW-846 9014	7/27/15	7/28/15 13:50	VAK
Free Liquid	Absent		present/absent	1		SW-846 9095B	7/24/15	7/24/15 8:10	LL
Ignitability	Absent		present/absent	1		SW-846 1030	7/27/15	7/27/15 17:00	AG
pH @21.9°C	8.1		pH Units	1		SW-846 9045C	7/24/15	7/24/15 10:35	MMH
Reactive Cyanide	ND	4.0	mg/Kg	1		SW-846 9014	7/27/15	7/28/15 16:30	AG
Reactive Sulfide	ND	20	mg/Kg	1		SW-846 9030A	7/28/15	7/29/15 11:55	DJM
Specific conductance	37	2.0	µmhos/cm	1		SM21-22 2510B Modified SM 2540G	7/24/15	7/24/15 14:55	MMH
% Solids	94.6		% Wt	1			7/24/15	7/24/15 14:19	MRL



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP1-3

Sampled: 7/23/2015 11:10

Sample ID: 15G1139-03

Sample Matrix: Soil

TCLP - Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.010	0.00079	mg/L	10		SW-846 8260C	7/30/15	7/31/15 11:10	CMR
2-Butanone (MEK)	ND	0.20	0.024	mg/L	10		SW-846 8260C	7/30/15	7/31/15 11:10	CMR
Carbon Tetrachloride	ND	0.050	0.0010	mg/L	10		SW-846 8260C	7/30/15	7/31/15 11:10	CMR
Chlorobenzene	ND	0.010	0.0012	mg/L	10		SW-846 8260C	7/30/15	7/31/15 11:10	CMR
Chloroform	ND	0.020	0.0014	mg/L	10		SW-846 8260C	7/30/15	7/31/15 11:10	CMR
1,4-Dichlorobenzene	0.0016	0.010	0.00046	mg/L	10	J	SW-846 8260C	7/30/15	7/31/15 11:10	CMR
1,2-Dichloroethane	ND	0.010	0.0019	mg/L	10		SW-846 8260C	7/30/15	7/31/15 11:10	CMR
1,1-Dichloroethylene	ND	0.010	0.0021	mg/L	10		SW-846 8260C	7/30/15	7/31/15 11:10	CMR
Tetrachloroethylene	ND	0.010	0.00080	mg/L	10		SW-846 8260C	7/30/15	7/31/15 11:10	CMR
Trichloroethylene	ND	0.010	0.00077	mg/L	10		SW-846 8260C	7/30/15	7/31/15 11:10	CMR
Vinyl Chloride	ND	0.020	0.0013	mg/L	10		SW-846 8260C	7/30/15	7/31/15 11:10	CMR
Surrogates		% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4		94.7	70-130							
Toluene-d8		98.9	70-130							
4-Bromofluorobenzene		96.2	70-130							



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 11:10

Field Sample #: No 6-SP1-3

Sample ID: 15G1139-03

Sample Matrix: Soil

Miscellaneous Inorganic Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Sulfur	0.26	0.1	%	1		ASTM D-4239	7/30/15 0:00		SAL

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Project Location: WRTA

Date Received: 7/23/2015

Field Sample #: No 6-SP1-4**Sample ID:** 15G1139-04

Sample Matrix: Soil

Sample Description:

Work Order: 15G1139

Sampled: 7/23/2015 11:30

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.071	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 11:39	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0071	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 11:39	MFF
Benzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 11:39	MFF
Bromobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 11:39	MFF
Bromochloromethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 11:39	MFF
Bromodichloromethane	ND	0.0071	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 11:39	MFF
Bromoform	ND	0.0071	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 11:39	MFF
Bromomethane	ND	0.0071	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 11:39	MFF
2-Butanone (MEK)	ND	0.028	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 11:39	MFF
n-Butylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 11:39	MFF
sec-Butylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 11:39	MFF
tert-Butylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 11:39	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.00071	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 11:39	MFF
Carbon Disulfide	ND	0.0043	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 11:39	MFF
Carbon Tetrachloride	ND	0.0071	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 11:39	MFF
Chlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 11:39	MFF
Chlorodibromomethane	ND	0.0071	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 11:39	MFF
Chloroethane	ND	0.0071	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 11:39	MFF
Chloroform	ND	0.0028	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 11:39	MFF
Chloromethane	ND	0.0071	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 11:39	MFF
2-Chlorotoluene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 11:39	MFF
4-Chlorotoluene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 11:39	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0014	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 11:39	MFF
1,2-Dibromoethane (EDB)	ND	0.0028	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 11:39	MFF
Dibromomethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 11:39	MFF
1,2-Dichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 11:39	MFF
1,3-Dichlorobenzene	0.0038	0.0014	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 11:39	MFF
1,4-Dichlorobenzene	0.0053	0.0014	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 11:39	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.0071	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 11:39	MFF
1,1-Dichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 11:39	MFF
1,2-Dichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 11:39	MFF
1,1-Dichloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 11:39	MFF
cis-1,2-Dichloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 11:39	MFF
trans-1,2-Dichloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 11:39	MFF
1,2-Dichloropropane	ND	0.0071	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 11:39	MFF
1,3-Dichloropropane	ND	0.00071	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 11:39	MFF
2,2-Dichloropropane	ND	0.0071	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 11:39	MFF
1,1-Dichloropropene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 11:39	MFF
cis-1,3-Dichloropropene	ND	0.0071	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 11:39	MFF
trans-1,3-Dichloropropene	ND	0.0071	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 11:39	MFF
Diethyl Ether	ND	0.0071	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 11:39	MFF
Diisopropyl Ether (DIPE)	ND	0.00071	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 11:39	MFF
1,4-Dioxane	ND	0.071	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 11:39	MFF
Ethylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 11:39	MFF



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP1-4

Sampled: 7/23/2015 11:30

Sample ID: 15G1139-04**Sample Matrix:** Soil**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 11:39	MFF
2-Hexanone (MBK)	ND	0.014	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 11:39	MFF
Isopropylbenzene (Cumene)	ND	0.0014	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 11:39	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0014	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 11:39	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0028	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 11:39	MFF
Methylene Chloride	ND	0.0071	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 11:39	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.014	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 11:39	MFF
Naphthalene	ND	0.0028	mg/Kg dry	1	V-05	SW-846 8260C	7/24/15	7/24/15 11:39	MFF
n-Propylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 11:39	MFF
Styrene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 11:39	MFF
1,1,1,2-Tetrachloroethane	ND	0.0071	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 11:39	MFF
1,1,2,2-Tetrachloroethane	ND	0.00071	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 11:39	MFF
Tetrachloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 11:39	MFF
Tetrahydrofuran	ND	0.0071	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 11:39	MFF
Toluene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 11:39	MFF
1,2,3-Trichlorobenzene	ND	0.0028	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 11:39	MFF
1,2,4-Trichlorobenzene	ND	0.0071	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 11:39	MFF
1,1,1-Trichloroethane	ND	0.0028	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 11:39	MFF
1,1,2-Trichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 11:39	MFF
Trichloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 11:39	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0071	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 11:39	MFF
1,2,3-Trichloropropane	ND	0.0028	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 11:39	MFF
1,2,4-Trimethylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 11:39	MFF
1,3,5-Trimethylbenzene	ND	0.0028	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 11:39	MFF
Vinyl Chloride	ND	0.0071	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 11:39	MFF
m+p Xylene	ND	0.0028	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 11:39	MFF
o-Xylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 11:39	MFF
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
1,2-Dichloroethane-d4		91.4	70-130						7/24/15 11:39
Toluene-d8		97.7	70-130						7/24/15 11:39
4-Bromofluorobenzene		95.4	70-130						7/24/15 11:39

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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP1-4

Sampled: 7/23/2015 11:30

Sample ID: 15G1139-04Sample Matrix: Soil**Semivolatile Organic Compounds by GC/MS**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	0.88	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:34	CMR
Acenaphthylene	6.2	1.8	mg/Kg dry	10		SW-846 8270D	7/23/15	7/28/15 12:11	CMR
Acetophenone	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:34	CMR
Aniline	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:34	CMR
Anthracene	3.7	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:34	CMR
Benzo(a)anthracene	12	1.8	mg/Kg dry	10		SW-846 8270D	7/23/15	7/28/15 12:11	CMR
Benzo(a)pyrene	15	1.8	mg/Kg dry	10		SW-846 8270D	7/23/15	7/28/15 12:11	CMR
Benzo(b)fluoranthene	16	1.8	mg/Kg dry	10		SW-846 8270D	7/23/15	7/28/15 12:11	CMR
Benzo(g,h,i)perylene	8.3	1.8	mg/Kg dry	10		SW-846 8270D	7/23/15	7/28/15 12:11	CMR
Benzo(k)fluoranthene	4.0	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:34	CMR
Bis(2-chloroethoxy)methane	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:34	CMR
Bis(2-chloroethyl)ether	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:34	CMR
Bis(2-chloroisopropyl)ether	ND	0.36	mg/Kg dry	1	V-20	SW-846 8270D	7/23/15	7/27/15 15:34	CMR
Bis(2-Ethylhexyl)phthalate	0.41	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:34	CMR
4-Bromophenylphenylether	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:34	CMR
Butylbenzylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:34	CMR
4-Chloroaniline	ND	0.71	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:34	CMR
2-Chloronaphthalene	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:34	CMR
2-Chlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:34	CMR
Chrysene	13	1.8	mg/Kg dry	10		SW-846 8270D	7/23/15	7/28/15 12:11	CMR
Dibenz(a,h)anthracene	1.7	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:34	CMR
Dibenzofuran	0.60	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:34	CMR
Di-n-butylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:34	CMR
1,2-Dichlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:34	CMR
1,3-Dichlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:34	CMR
1,4-Dichlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:34	CMR
3,3-Dichlorobenzidine	ND	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:34	CMR
2,4-Dichlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:34	CMR
Diethylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:34	CMR
2,4-Dimethylphenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:34	CMR
Dimethylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:34	CMR
2,4-Dinitrophenol	ND	0.71	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:34	CMR
2,4-Dinitrotoluene	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:34	CMR
2,6-Dinitrotoluene	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:34	CMR
Di-n-octylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:34	CMR
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:34	CMR
Fluoranthene	23	1.8	mg/Kg dry	10		SW-846 8270D	7/23/15	7/28/15 12:11	CMR
Fluorene	1.7	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:34	CMR
Hexachlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:34	CMR
Hexachlorobutadiene	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:34	CMR
Hexachloroethane	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:34	CMR
Indeno(1,2,3-cd)pyrene	8.8	1.8	mg/Kg dry	10		SW-846 8270D	7/23/15	7/28/15 12:11	CMR
Isophorone	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:34	CMR
2-Methylnaphthalene	1.7	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:34	CMR



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 11:30

Field Sample #: No 6-SP1-4

Sample ID: 15G1139-04

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:34	CMR
3/4-Methylphenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:34	CMR
Naphthalene	3.7	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:34	CMR
Nitrobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:34	CMR
2-Nitrophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:34	CMR
4-Nitrophenol	ND	0.71	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:34	CMR
Pentachlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:34	CMR
Phenanthrene	10	1.8	mg/Kg dry	10		SW-846 8270D	7/23/15	7/28/15 12:11	CMR
Phenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:34	CMR
Pyrene	27	1.8	mg/Kg dry	10		SW-846 8270D	7/23/15	7/28/15 12:11	CMR
1,2,4-Trichlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:34	CMR
2,4,5-Trichlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:34	CMR
2,4,6-Trichlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 15:34	CMR
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
2-Fluorophenol	53.4	30-130						7/27/15 15:34	
Phenol-d6	53.7	30-130						7/27/15 15:34	
Nitrobenzene-d5	52.7	30-130						7/27/15 15:34	
2-Fluorobiphenyl	54.7	30-130						7/27/15 15:34	
2,4,6-Tribromophenol	62.5	30-130						7/27/15 15:34	
p-Terphenyl-d14	72.6	30-130						7/27/15 15:34	



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 11:30

Field Sample #: No 6-SP1-4

Sample ID: 15G1139-04

Sample Matrix: Soil

Sample Flags: RL-12

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aldrin [1]	ND	0.11	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 2:55	JMB
alpha-BHC [1]	ND	0.11	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 2:55	JMB
beta-BHC [1]	ND	0.11	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 2:55	JMB
delta-BHC [1]	ND	0.11	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 2:55	JMB
gamma-BHC (Lindane) [1]	ND	0.042	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 2:55	JMB
Chlordane [1]	ND	0.42	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 2:55	JMB
4,4'-DDD [1]	ND	0.085	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 2:55	JMB
4,4'-DDE [1]	ND	0.085	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 2:55	JMB
4,4'-DDT [1]	ND	0.085	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 2:55	JMB
Dieldrin [1]	ND	0.085	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 2:55	JMB
Endosulfan I [1]	ND	0.11	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 2:55	JMB
Endosulfan II [1]	ND	0.17	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 2:55	JMB
Endosulfan sulfate [1]	ND	0.17	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 2:55	JMB
Endrin [1]	ND	0.17	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 2:55	JMB
Endrin ketone [1]	ND	0.17	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 2:55	JMB
Heptachlor [1]	ND	0.11	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 2:55	JMB
Heptachlor epoxide [1]	ND	0.11	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 2:55	JMB
Hexachlorobenzene [1]	ND	0.13	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 2:55	JMB
Methoxychlor [1]	ND	1.1	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 2:55	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	79.6	30-150		7/30/15 2:55
Decachlorobiphenyl [2]	75.4	30-150		7/30/15 2:55
Tetrachloro-m-xylene [1]	83.1	30-150		7/30/15 2:55
Tetrachloro-m-xylene [2]	84.2	30-150		7/30/15 2:55



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP1-4

Sampled: 7/23/2015 11:30

Sample ID: 15G1139-04Sample Matrix: Soil

Sample Flags: O-32

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 10:20	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 10:20	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 10:20	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 10:20	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 10:20	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 10:20	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 10:20	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 10:20	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 10:20	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	74.6	30-150					7/28/15 10:20		
Decachlorobiphenyl [2]	87.9	30-150					7/28/15 10:20		
Tetrachloro-m-xylene [1]	72.2	30-150					7/28/15 10:20		
Tetrachloro-m-xylene [2]	70.0	30-150					7/28/15 10:20		



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 11:30

Field Sample #: No 6-SP1-4

Sample ID: 15G1139-04

Sample Matrix: Soil

Herbicides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-D [1]	ND	26	µg/kg dry	1		SW-846 8151A	7/24/15	7/27/15 22:32	JMB
2,4-DB [1]	ND	26	µg/kg dry	1		SW-846 8151A	7/24/15	7/27/15 22:32	JMB
2,4,5-TP (Silvex) [1]	ND	2.6	µg/kg dry	1		SW-846 8151A	7/24/15	7/27/15 22:32	JMB
2,4,5-T [1]	ND	2.6	µg/kg dry	1		SW-846 8151A	7/24/15	7/27/15 22:32	JMB
Dalapon [1]	ND	66	µg/kg dry	1		SW-846 8151A	7/24/15	7/27/15 22:32	JMB
Dicamba [1]	ND	2.6	µg/kg dry	1		SW-846 8151A	7/24/15	7/27/15 22:32	JMB
Dichloroprop [1]	ND	26	µg/kg dry	1		SW-846 8151A	7/24/15	7/27/15 22:32	JMB
Dinoseb [1]	ND	13	µg/kg dry	1		SW-846 8151A	7/24/15	7/27/15 22:32	JMB
MCPA [1]	ND	2600	µg/kg dry	1		SW-846 8151A	7/24/15	7/27/15 22:32	JMB
MCPP [1]	ND	2600	µg/kg dry	1		SW-846 8151A	7/24/15	7/27/15 22:32	JMB
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
2,4-Dichlorophenylacetic acid [1]	87.3	30-150						7/27/15 22:32	
2,4-Dichlorophenylacetic acid [2]	88.5	30-150						7/27/15 22:32	



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP1-4

Sampled: 7/23/2015 11:30

Sample ID: 15G1139-04

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diesel Range Organics	2000	440	mg/Kg dry	50		SW-846 8015C	7/23/15	7/24/15 19:57	SCS
Surrogates									
o-Terphenyl	*		40-140			S-01		7/24/15 19:57	



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 11:30

Field Sample #: No 6-SP1-4

Sample ID: 15G1139-04

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	14	2.7	mg/Kg dry	1		SW-846 6010C	7/24/15	7/27/15 15:47	MJH
Barium	50	2.7	mg/Kg dry	1		SW-846 6010C	7/24/15	7/27/15 15:47	MJH
Cadmium	0.63	0.27	mg/Kg dry	1		SW-846 6010C	7/24/15	7/27/15 15:47	MJH
Chromium	15	0.53	mg/Kg dry	1		SW-846 6010C	7/24/15	7/27/15 15:47	MJH
Lead	69	0.80	mg/Kg dry	1		SW-846 6010C	7/24/15	7/27/15 15:47	MJH
Mercury	0.48	0.027	mg/Kg dry	1		SW-846 7471B	7/24/15	7/28/15 11:01	SCB
Selenium	ND	5.3	mg/Kg dry	1		SW-846 6010C	7/24/15	7/27/15 15:47	MJH
Silver	ND	0.53	mg/Kg dry	1		SW-846 6010C	7/24/15	7/27/15 15:47	MJH



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 11:30

Field Sample #: No 6-SP1-4

Sample ID: 15G1139-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	16	0.43	mg/Kg dry	1		SW-846 9014	7/27/15	7/28/15 13:50	VAK
Free Liquid	Absent		present/absent	1		SW-846 9095B	7/24/15	7/24/15 8:10	LL
Ignitability	Absent		present/absent	1		SW-846 1030	7/27/15	7/27/15 17:00	AG
pH @22.7°C	8.0		pH Units	1		SW-846 9045C	7/24/15	7/24/15 10:35	MMH
Reactive Cyanide	ND	4.0	mg/Kg	1		SW-846 9014	7/27/15	7/28/15 16:30	AG
Reactive Sulfide	ND	20	mg/Kg	1		SW-846 9030A	7/28/15	7/29/15 11:55	DJM
Specific conductance	26	2.0	µmhos/cm	1		SM21-22 2510B Modified SM 2540G	7/24/15	7/24/15 14:55	MMH
% Solids	93.3		% Wt	1			7/24/15	7/24/15 14:19	MRL



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 11:30

Field Sample #: No 6-SP1-4

Sample ID: 15G1139-04

Sample Matrix: Soil

TCLP - Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.010	0.00079	mg/L	10		SW-846 8260C	7/30/15	7/31/15 3:20	CMR
2-Butanone (MEK)	ND	0.20	0.024	mg/L	10		SW-846 8260C	7/30/15	7/31/15 3:20	CMR
Carbon Tetrachloride	ND	0.050	0.0010	mg/L	10		SW-846 8260C	7/30/15	7/31/15 3:20	CMR
Chlorobenzene	ND	0.010	0.0012	mg/L	10		SW-846 8260C	7/30/15	7/31/15 3:20	CMR
Chloroform	ND	0.020	0.0014	mg/L	10		SW-846 8260C	7/30/15	7/31/15 3:20	CMR
1,4-Dichlorobenzene	0.0024	0.010	0.00046	mg/L	10	J	SW-846 8260C	7/30/15	7/31/15 3:20	CMR
1,2-Dichloroethane	ND	0.010	0.0019	mg/L	10		SW-846 8260C	7/30/15	7/31/15 3:20	CMR
1,1-Dichloroethylene	ND	0.010	0.0021	mg/L	10		SW-846 8260C	7/30/15	7/31/15 3:20	CMR
Tetrachloroethylene	ND	0.010	0.00080	mg/L	10		SW-846 8260C	7/30/15	7/31/15 3:20	CMR
Trichloroethylene	ND	0.010	0.00077	mg/L	10		SW-846 8260C	7/30/15	7/31/15 3:20	CMR
Vinyl Chloride	ND	0.020	0.0013	mg/L	10		SW-846 8260C	7/30/15	7/31/15 3:20	CMR
Surrogates	% Recovery	Recovery Limits			Flag/Qual					
1,2-Dichloroethane-d4	95.6	70-130						7/31/15 3:20		
Toluene-d8	99.8	70-130						7/31/15 3:20		
4-Bromofluorobenzene	97.8	70-130						7/31/15 3:20		



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 11:30

Field Sample #: No 6-SP1-4

Sample ID: 15G1139-04

Sample Matrix: Soil

Miscellaneous Inorganic Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Sulfur	<0.10	0.1	%	1		ASTM D-4239	7/30/15 0:00		SAL

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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP1-5

Sampled: 7/23/2015 11:45

Sample ID: 15G1139-05**Sample Matrix:** Soil**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.077	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:07	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0077	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:07	MFF
Benzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:07	MFF
Bromobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:07	MFF
Bromochloromethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:07	MFF
Bromodichloromethane	ND	0.0077	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:07	MFF
Bromoform	ND	0.0077	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:07	MFF
Bromomethane	ND	0.0077	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:07	MFF
2-Butanone (MEK)	ND	0.031	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:07	MFF
n-Butylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:07	MFF
sec-Butylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:07	MFF
tert-Butylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:07	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.00077	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:07	MFF
Carbon Disulfide	ND	0.0046	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:07	MFF
Carbon Tetrachloride	ND	0.0077	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:07	MFF
Chlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:07	MFF
Chlorodibromomethane	ND	0.0077	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:07	MFF
Chloroethane	ND	0.0077	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:07	MFF
Chloroform	ND	0.0031	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:07	MFF
Chloromethane	ND	0.0077	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:07	MFF
2-Chlorotoluene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:07	MFF
4-Chlorotoluene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:07	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0015	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:07	MFF
1,2-Dibromoethane (EDB)	ND	0.0031	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:07	MFF
Dibromomethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:07	MFF
1,2-Dichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:07	MFF
1,3-Dichlorobenzene	0.0063	0.0015	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:07	MFF
1,4-Dichlorobenzene	0.0082	0.0015	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:07	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.0077	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:07	MFF
1,1-Dichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:07	MFF
1,2-Dichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:07	MFF
1,1-Dichloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:07	MFF
cis-1,2-Dichloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:07	MFF
trans-1,2-Dichloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:07	MFF
1,2-Dichloropropane	ND	0.0077	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:07	MFF
1,3-Dichloropropane	ND	0.00077	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:07	MFF
2,2-Dichloropropane	ND	0.0077	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:07	MFF
1,1-Dichloropropene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:07	MFF
cis-1,3-Dichloropropene	ND	0.0077	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:07	MFF
trans-1,3-Dichloropropene	ND	0.0077	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:07	MFF
Diethyl Ether	ND	0.0077	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:07	MFF
Diisopropyl Ether (DIPE)	ND	0.00077	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:07	MFF
1,4-Dioxane	ND	0.077	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:07	MFF
Ethylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:07	MFF



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP1-5

Sampled: 7/23/2015 11:45

Sample ID: 15G1139-05

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:07	MFF
2-Hexanone (MBK)	ND	0.015	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:07	MFF
Isopropylbenzene (Cumene)	ND	0.0015	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:07	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0015	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:07	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0031	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:07	MFF
Methylene Chloride	ND	0.0077	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:07	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.015	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:07	MFF
Naphthalene	ND	0.0031	mg/Kg dry	1	V-05	SW-846 8260C	7/24/15	7/24/15 12:07	MFF
n-Propylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:07	MFF
Styrene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:07	MFF
1,1,1,2-Tetrachloroethane	ND	0.0077	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:07	MFF
1,1,2,2-Tetrachloroethane	ND	0.00077	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:07	MFF
Tetrachloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:07	MFF
Tetrahydrofuran	ND	0.0077	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:07	MFF
Toluene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:07	MFF
1,2,3-Trichlorobenzene	ND	0.0031	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:07	MFF
1,2,4-Trichlorobenzene	ND	0.0077	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:07	MFF
1,1,1-Trichloroethane	ND	0.0031	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:07	MFF
1,1,2-Trichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:07	MFF
Trichloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:07	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0077	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:07	MFF
1,2,3-Trichloropropane	ND	0.0031	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:07	MFF
1,2,4-Trimethylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:07	MFF
1,3,5-Trimethylbenzene	ND	0.0031	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:07	MFF
Vinyl Chloride	ND	0.0077	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:07	MFF
m+p Xylene	ND	0.0031	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:07	MFF
o-Xylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:07	MFF
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
1,2-Dichloroethane-d4		91.4	70-130						7/24/15 12:07
Toluene-d8		97.7	70-130						7/24/15 12:07
4-Bromofluorobenzene		96.5	70-130						7/24/15 12:07

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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP1-5

Sampled: 7/23/2015 11:45

Sample ID: 15G1139-05Sample Matrix: Soil**Semivolatile Organic Compounds by GC/MS**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	0.52	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:01	CMR
Acenaphthylene	3.3	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:01	CMR
Acetophenone	ND	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:01	CMR
Aniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:01	CMR
Anthracene	2.6	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:01	CMR
Benzo(a)anthracene	7.5	0.91	mg/Kg dry	5		SW-846 8270D	7/23/15	7/28/15 12:36	CMR
Benzo(a)pyrene	11	0.91	mg/Kg dry	5		SW-846 8270D	7/23/15	7/28/15 12:36	CMR
Benzo(b)fluoranthene	12	0.91	mg/Kg dry	5		SW-846 8270D	7/23/15	7/28/15 12:36	CMR
Benzo(g,h,i)perylene	6.4	0.91	mg/Kg dry	5		SW-846 8270D	7/23/15	7/28/15 12:36	CMR
Benzo(k)fluoranthene	3.4	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:01	CMR
Bis(2-chloroethoxy)methane	ND	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:01	CMR
Bis(2-chloroethyl)ether	ND	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:01	CMR
Bis(2-chloroisopropyl)ether	ND	0.37	mg/Kg dry	1	V-20	SW-846 8270D	7/23/15	7/27/15 16:01	CMR
Bis(2-Ethylhexyl)phthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:01	CMR
4-Bromophenylphenylether	ND	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:01	CMR
Butylbenzylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:01	CMR
4-Chloroaniline	ND	0.71	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:01	CMR
2-Chloronaphthalene	ND	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:01	CMR
2-Chlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:01	CMR
Chrysene	8.4	0.91	mg/Kg dry	5		SW-846 8270D	7/23/15	7/28/15 12:36	CMR
Dibenz(a,h)anthracene	1.3	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:01	CMR
Dibenzofuran	0.53	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:01	CMR
Di-n-butylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:01	CMR
1,2-Dichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:01	CMR
1,3-Dichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:01	CMR
1,4-Dichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:01	CMR
3,3-Dichlorobenzidine	ND	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:01	CMR
2,4-Dichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:01	CMR
Diethylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:01	CMR
2,4-Dimethylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:01	CMR
Dimethylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:01	CMR
2,4-Dinitrophenol	ND	0.71	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:01	CMR
2,4-Dinitrotoluene	ND	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:01	CMR
2,6-Dinitrotoluene	ND	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:01	CMR
Di-n-octylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:01	CMR
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:01	CMR
Fluoranthene	15	0.91	mg/Kg dry	5		SW-846 8270D	7/23/15	7/28/15 12:36	CMR
Fluorene	1.1	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:01	CMR
Hexachlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:01	CMR
Hexachlorobutadiene	ND	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:01	CMR
Hexachloroethane	ND	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:01	CMR
Indeno(1,2,3-cd)pyrene	6.9	0.91	mg/Kg dry	5		SW-846 8270D	7/23/15	7/28/15 12:36	CMR
Isophorone	ND	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:01	CMR
2-Methylnaphthalene	1.1	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:01	CMR



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 11:45

Field Sample #: No 6-SP1-5

Sample ID: 15G1139-05

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:01	CMR
3/4-Methylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:01	CMR
Naphthalene	2.3	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:01	CMR
Nitrobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:01	CMR
2-Nitrophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:01	CMR
4-Nitrophenol	ND	0.71	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:01	CMR
Pentachlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:01	CMR
Phenanthrrene	7.6	0.91	mg/Kg dry	5		SW-846 8270D	7/23/15	7/28/15 12:36	CMR
Phenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:01	CMR
Pyrene	16	0.91	mg/Kg dry	5		SW-846 8270D	7/23/15	7/28/15 12:36	CMR
1,2,4-Trichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:01	CMR
2,4,5-Trichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:01	CMR
2,4,6-Trichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:01	CMR
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
2-Fluorophenol	45.2	30-130						7/27/15 16:01	
Phenol-d6	44.6	30-130						7/27/15 16:01	
Nitrobenzene-d5	44.7	30-130						7/27/15 16:01	
2-Fluorobiphenyl	45.5	30-130						7/27/15 16:01	
2,4,6-Tribromophenol	53.4	30-130						7/27/15 16:01	
p-Terphenyl-d14	59.0	30-130						7/27/15 16:01	



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 11:45

Field Sample #: No 6-SP1-5

Sample ID: 15G1139-05

Sample Matrix: Soil

Sample Flags: RL-12

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aldrin [1]	ND	0.10	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 3:17	JMB
alpha-BHC [1]	ND	0.10	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 3:17	JMB
beta-BHC [1]	ND	0.10	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 3:17	JMB
delta-BHC [1]	ND	0.10	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 3:17	JMB
gamma-BHC (Lindane) [1]	ND	0.042	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 3:17	JMB
Chlordane [1]	ND	0.42	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 3:17	JMB
4,4'-DDD [1]	ND	0.084	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 3:17	JMB
4,4'-DDE [1]	ND	0.084	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 3:17	JMB
4,4'-DDT [1]	ND	0.084	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 3:17	JMB
Dieldrin [1]	ND	0.084	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 3:17	JMB
Endosulfan I [1]	ND	0.10	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 3:17	JMB
Endosulfan II [1]	ND	0.17	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 3:17	JMB
Endosulfan sulfate [1]	ND	0.17	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 3:17	JMB
Endrin [1]	ND	0.17	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 3:17	JMB
Endrin ketone [1]	ND	0.17	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 3:17	JMB
Heptachlor [1]	ND	0.10	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 3:17	JMB
Heptachlor epoxide [1]	ND	0.10	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 3:17	JMB
Hexachlorobenzene [1]	ND	0.13	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 3:17	JMB
Methoxychlor [1]	ND	1.0	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 3:17	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	76.9	30-150		7/30/15 3:17
Decachlorobiphenyl [2]	63.5	30-150		7/30/15 3:17
Tetrachloro-m-xylene [1]	78.8	30-150		7/30/15 3:17
Tetrachloro-m-xylene [2]	78.9	30-150		7/30/15 3:17



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 11:45

Field Sample #: No 6-SP1-5

Sample ID: 15G1139-05

Sample Matrix: Soil

Sample Flags: O-32

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 14:22	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 14:22	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 14:22	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 14:22	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 14:22	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 14:22	KAL
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 14:22	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 14:22	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 14:22	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	83.6	30-150							7/28/15 14:22
Decachlorobiphenyl [2]	96.7	30-150							7/28/15 14:22
Tetrachloro-m-xylene [1]	75.7	30-150							7/28/15 14:22
Tetrachloro-m-xylene [2]	72.5	30-150							7/28/15 14:22



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 11:45

Field Sample #: No 6-SP1-5

Sample ID: 15G1139-05

Sample Matrix: Soil

Herbicides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-D [1]	ND	27	µg/kg dry	1		SW-846 8151A	7/24/15	7/27/15 23:11	JMB
2,4-DB [2]	28	27	µg/kg dry	1	P-02, R-06	SW-846 8151A	7/24/15	7/27/15 23:11	JMB
2,4,5-TP (Silvex) [1]	ND	2.7	µg/kg dry	1		SW-846 8151A	7/24/15	7/27/15 23:11	JMB
2,4,5-T [1]	ND	2.7	µg/kg dry	1		SW-846 8151A	7/24/15	7/27/15 23:11	JMB
Dalapon [1]	ND	66	µg/kg dry	1		SW-846 8151A	7/24/15	7/27/15 23:11	JMB
Dicamba [1]	ND	2.7	µg/kg dry	1		SW-846 8151A	7/24/15	7/27/15 23:11	JMB
Dichloroprop [1]	ND	27	µg/kg dry	1		SW-846 8151A	7/24/15	7/27/15 23:11	JMB
Dinoseb [1]	ND	13	µg/kg dry	1		SW-846 8151A	7/24/15	7/27/15 23:11	JMB
MCPA [1]	ND	2700	µg/kg dry	1		SW-846 8151A	7/24/15	7/27/15 23:11	JMB
MCPP [1]	ND	2700	µg/kg dry	1		SW-846 8151A	7/24/15	7/27/15 23:11	JMB
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
2,4-Dichlorophenylacetic acid [1]	82.3	30-150						7/27/15 23:11	
2,4-Dichlorophenylacetic acid [2]	89.1	30-150						7/27/15 23:11	



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 11:45

Field Sample #: No 6-SP1-5

Sample ID: 15G1139-05

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diesel Range Organics	3400	450	mg/Kg dry	50		SW-846 8015C	7/23/15	7/24/15 20:15	SCS
Surrogates									
o-Terphenyl	*		40-140		S-01			7/24/15 20:15	



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 11:45

Field Sample #: No 6-SP1-5

Sample ID: 15G1139-05

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	13	2.7	mg/Kg dry	1		SW-846 6010C	7/24/15	7/27/15 15:51	MJH
Barium	41	2.7	mg/Kg dry	1		SW-846 6010C	7/24/15	7/27/15 15:51	MJH
Cadmium	0.60	0.27	mg/Kg dry	1		SW-846 6010C	7/24/15	7/27/15 15:51	MJH
Chromium	14	0.53	mg/Kg dry	1		SW-846 6010C	7/24/15	7/27/15 15:51	MJH
Lead	68	0.80	mg/Kg dry	1		SW-846 6010C	7/24/15	7/27/15 15:51	MJH
Mercury	0.22	0.027	mg/Kg dry	1		SW-846 7471B	7/24/15	7/28/15 11:28	SCB
Selenium	ND	5.3	mg/Kg dry	1		SW-846 6010C	7/24/15	7/27/15 15:51	MJH
Silver	ND	0.53	mg/Kg dry	1		SW-846 6010C	7/24/15	7/27/15 15:51	MJH



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 11:45

Field Sample #: No 6-SP1-5

Sample ID: 15G1139-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	11	0.48	mg/Kg dry	1		SW-846 9014	7/27/15	7/28/15 13:50	VAK
Free Liquid	Absent		present/absent	1		SW-846 9095B	7/24/15	7/24/15 8:10	LL
Ignitability	Absent		present/absent	1		SW-846 1030	7/27/15	7/27/15 17:00	AG
pH @21.6°C	7.9		pH Units	1		SW-846 9045C	7/24/15	7/24/15 10:35	MMH
Reactive Cyanide	ND	4.0	mg/Kg	1		SW-846 9014	7/27/15	7/28/15 16:30	AG
Reactive Sulfide	ND	20	mg/Kg	1		SW-846 9030A	7/28/15	7/29/15 11:55	DJM
Specific conductance	33	2.0	µmhos/cm	1		SM21-22 2510B Modified SM 2540G	7/24/15	7/24/15 14:55	MMH
% Solids	92.8		% Wt	1			7/24/15	7/24/15 14:19	MRL



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP1-5

Sampled: 7/23/2015 11:45

Sample ID: 15G1139-05

Sample Matrix: Soil

TCLP - Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.010	0.00079	mg/L	10		SW-846 8260C	7/30/15	7/31/15 3:50	CMR
2-Butanone (MEK)	0.043	0.20	0.024	mg/L	10	J	SW-846 8260C	7/30/15	7/31/15 3:50	CMR
Carbon Tetrachloride	ND	0.050	0.0010	mg/L	10		SW-846 8260C	7/30/15	7/31/15 3:50	CMR
Chlorobenzene	ND	0.010	0.0012	mg/L	10		SW-846 8260C	7/30/15	7/31/15 3:50	CMR
Chloroform	ND	0.020	0.0014	mg/L	10		SW-846 8260C	7/30/15	7/31/15 3:50	CMR
1,4-Dichlorobenzene	0.0045	0.010	0.00046	mg/L	10	J	SW-846 8260C	7/30/15	7/31/15 3:50	CMR
1,2-Dichloroethane	ND	0.010	0.0019	mg/L	10		SW-846 8260C	7/30/15	7/31/15 3:50	CMR
1,1-Dichloroethylene	ND	0.010	0.0021	mg/L	10		SW-846 8260C	7/30/15	7/31/15 3:50	CMR
Tetrachloroethylene	ND	0.010	0.00080	mg/L	10		SW-846 8260C	7/30/15	7/31/15 3:50	CMR
Trichloroethylene	ND	0.010	0.00077	mg/L	10		SW-846 8260C	7/30/15	7/31/15 3:50	CMR
Vinyl Chloride	ND	0.020	0.0013	mg/L	10		SW-846 8260C	7/30/15	7/31/15 3:50	CMR
Surrogates	% Recovery	Recovery Limits			Flag/Qual					
1,2-Dichloroethane-d4	94.3	70-130						7/31/15 3:50		
Toluene-d8	99.4	70-130						7/31/15 3:50		
4-Bromofluorobenzene	97.4	70-130						7/31/15 3:50		



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 11:45

Field Sample #: No 6-SP1-5

Sample ID: 15G1139-05

Sample Matrix: Soil

Miscellaneous Inorganic Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Sulfur	0.12	0.1	%	1		ASTM D-4239	7/30/15 0:00		SAL

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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP1-6

Sampled: 7/23/2015 13:00

Sample ID: 15G1139-06Sample Matrix: Soil**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.085	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:34	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0085	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:34	MFF
Benzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:34	MFF
Bromobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:34	MFF
Bromochloromethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:34	MFF
Bromodichloromethane	ND	0.0085	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:34	MFF
Bromoform	ND	0.0085	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:34	MFF
Bromomethane	ND	0.0085	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:34	MFF
2-Butanone (MEK)	ND	0.034	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:34	MFF
n-Butylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:34	MFF
sec-Butylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:34	MFF
tert-Butylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:34	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.00085	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:34	MFF
Carbon Disulfide	ND	0.0051	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:34	MFF
Carbon Tetrachloride	ND	0.0085	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:34	MFF
Chlorobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:34	MFF
Chlorodibromomethane	ND	0.0085	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:34	MFF
Chloroethane	ND	0.0085	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:34	MFF
Chloroform	ND	0.0034	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:34	MFF
Chloromethane	ND	0.0085	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:34	MFF
2-Chlorotoluene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:34	MFF
4-Chlorotoluene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:34	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0017	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:34	MFF
1,2-Dibromoethane (EDB)	ND	0.0034	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:34	MFF
Dibromomethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:34	MFF
1,2-Dichlorobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:34	MFF
1,3-Dichlorobenzene	0.0024	0.0017	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:34	MFF
1,4-Dichlorobenzene	0.0032	0.0017	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:34	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.0085	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:34	MFF
1,1-Dichloroethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:34	MFF
1,2-Dichloroethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:34	MFF
1,1-Dichloroethylene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:34	MFF
cis-1,2-Dichloroethylene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:34	MFF
trans-1,2-Dichloroethylene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:34	MFF
1,2-Dichloropropane	ND	0.0085	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:34	MFF
1,3-Dichloropropane	ND	0.00085	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:34	MFF
2,2-Dichloropropane	ND	0.0085	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:34	MFF
1,1-Dichloropropene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:34	MFF
cis-1,3-Dichloropropene	ND	0.0085	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:34	MFF
trans-1,3-Dichloropropene	ND	0.0085	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:34	MFF
Diethyl Ether	ND	0.0085	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:34	MFF
Diisopropyl Ether (DIPE)	ND	0.00085	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:34	MFF
1,4-Dioxane	ND	0.085	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:34	MFF
Ethylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:34	MFF



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP1-6

Sampled: 7/23/2015 13:00

Sample ID: 15G1139-06

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:34	MFF
2-Hexanone (MBK)	ND	0.017	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:34	MFF
Isopropylbenzene (Cumene)	ND	0.0017	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:34	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0017	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:34	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0034	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:34	MFF
Methylene Chloride	ND	0.0085	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:34	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.017	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:34	MFF
Naphthalene	ND	0.0034	mg/Kg dry	1	V-05	SW-846 8260C	7/24/15	7/24/15 12:34	MFF
n-Propylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:34	MFF
Styrene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:34	MFF
1,1,1,2-Tetrachloroethane	ND	0.0085	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:34	MFF
1,1,2,2-Tetrachloroethane	ND	0.00085	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:34	MFF
Tetrachloroethylene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:34	MFF
Tetrahydrofuran	ND	0.0085	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:34	MFF
Toluene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:34	MFF
1,2,3-Trichlorobenzene	ND	0.0034	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:34	MFF
1,2,4-Trichlorobenzene	ND	0.0085	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:34	MFF
1,1,1-Trichloroethane	ND	0.0034	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:34	MFF
1,1,2-Trichloroethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:34	MFF
Trichloroethylene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:34	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0085	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:34	MFF
1,2,3-Trichloropropane	ND	0.0034	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:34	MFF
1,2,4-Trimethylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:34	MFF
1,3,5-Trimethylbenzene	ND	0.0034	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:34	MFF
Vinyl Chloride	ND	0.0085	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:34	MFF
m+p Xylene	ND	0.0034	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:34	MFF
o-Xylene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 12:34	MFF
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
1,2-Dichloroethane-d4		90.1	70-130						7/24/15 12:34
Toluene-d8		97.3	70-130						7/24/15 12:34
4-Bromofluorobenzene		96.4	70-130						7/24/15 12:34

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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP1-6

Sampled: 7/23/2015 13:00

Sample ID: 15G1139-06Sample Matrix: Soil

Sample Flags: RL-05

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	1.4	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:28	CMR
Acenaphthylene	6.1	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:28	CMR
Acetophenone	ND	0.73	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:28	CMR
Aniline	ND	0.73	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:28	CMR
Anthracene	5.8	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:28	CMR
Benzo(a)anthracene	15	1.8	mg/Kg dry	5		SW-846 8270D	7/23/15	7/28/15 13:00	CMR
Benzo(a)pyrene	18	1.8	mg/Kg dry	5		SW-846 8270D	7/23/15	7/28/15 13:00	CMR
Benzo(b)fluoranthene	20	1.8	mg/Kg dry	5		SW-846 8270D	7/23/15	7/28/15 13:00	CMR
Benzo(g,h,i)perylene	10	1.8	mg/Kg dry	5		SW-846 8270D	7/23/15	7/28/15 13:00	CMR
Benzo(k)fluoranthene	5.9	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:28	CMR
Bis(2-chloroethoxy)methane	ND	0.73	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:28	CMR
Bis(2-chloroethyl)ether	ND	0.73	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:28	CMR
Bis(2-chloroisopropyl)ether	ND	0.73	mg/Kg dry	1	V-20	SW-846 8270D	7/23/15	7/27/15 16:28	CMR
Bis(2-Ethylhexyl)phthalate	ND	0.73	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:28	CMR
4-Bromophenylphenylether	ND	0.73	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:28	CMR
Butylbenzylphthalate	ND	0.73	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:28	CMR
4-Chloroaniline	ND	1.4	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:28	CMR
2-Chloronaphthalene	ND	0.73	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:28	CMR
2-Chlorophenol	ND	0.73	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:28	CMR
Chrysene	16	1.8	mg/Kg dry	5		SW-846 8270D	7/23/15	7/28/15 13:00	CMR
Dibenz(a,h)anthracene	2.3	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:28	CMR
Dibenzofuran	0.96	0.73	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:28	CMR
Di-n-butylphthalate	ND	0.73	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:28	CMR
1,2-Dichlorobenzene	ND	0.73	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:28	CMR
1,3-Dichlorobenzene	ND	0.73	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:28	CMR
1,4-Dichlorobenzene	ND	0.73	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:28	CMR
3,3-Dichlorobenzidine	ND	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:28	CMR
2,4-Dichlorophenol	ND	0.73	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:28	CMR
Diethylphthalate	ND	0.73	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:28	CMR
2,4-Dimethylphenol	ND	0.73	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:28	CMR
Dimethylphthalate	ND	0.73	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:28	CMR
2,4-Dinitrophenol	ND	1.4	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:28	CMR
2,4-Dinitrotoluene	ND	0.73	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:28	CMR
2,6-Dinitrotoluene	ND	0.73	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:28	CMR
Di-n-octylphthalate	ND	0.73	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:28	CMR
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.73	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:28	CMR
Fluoranthene	28	1.8	mg/Kg dry	5		SW-846 8270D	7/23/15	7/28/15 13:00	CMR
Fluorene	0.71	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:28	CMR
Hexachlorobenzene	ND	0.73	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:28	CMR
Hexachlorobutadiene	ND	0.73	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:28	CMR
Hexachloroethane	ND	0.73	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:28	CMR
Indeno(1,2,3-cd)pyrene	11	1.8	mg/Kg dry	5		SW-846 8270D	7/23/15	7/28/15 13:00	CMR
Isophorone	ND	0.73	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:28	CMR
2-Methylnaphthalene	3.0	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:28	CMR



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 13:00

Field Sample #: No 6-SP1-6

Sample ID: 15G1139-06

Sample Matrix: Soil

Sample Flags: RL-05

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.73	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:28	CMR
3/4-Methylphenol	ND	0.73	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:28	CMR
Naphthalene	4.4	0.37	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:28	CMR
Nitrobenzene	ND	0.73	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:28	CMR
2-Nitrophenol	ND	0.73	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:28	CMR
4-Nitrophenol	ND	1.4	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:28	CMR
Pentachlorophenol	ND	0.73	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:28	CMR
Phenanthrrene	20	1.8	mg/Kg dry	5		SW-846 8270D	7/23/15	7/28/15 13:00	CMR
Phenol	ND	0.73	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:28	CMR
Pyrene	34	1.8	mg/Kg dry	5		SW-846 8270D	7/23/15	7/28/15 13:00	CMR
1,2,4-Trichlorobenzene	ND	0.73	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:28	CMR
2,4,5-Trichlorophenol	ND	0.73	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:28	CMR
2,4,6-Trichlorophenol	ND	0.73	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:28	CMR
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
2-Fluorophenol	59.0	30-130						7/27/15 16:28	
Phenol-d6	60.4	30-130						7/27/15 16:28	
Nitrobenzene-d5	58.4	30-130						7/27/15 16:28	
2-Fluorobiphenyl	65.6	30-130						7/27/15 16:28	
2,4,6-Tribromophenol	76.7	30-130						7/27/15 16:28	
p-Terphenyl-d14	87.7	30-130						7/27/15 16:28	



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 13:00

Field Sample #: No 6-SP1-6

Sample ID: 15G1139-06

Sample Matrix: Soil

Sample Flags: RL-12

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aldrin [1]	ND	0.10	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 3:40	JMB
alpha-BHC [1]	ND	0.10	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 3:40	JMB
beta-BHC [1]	ND	0.10	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 3:40	JMB
delta-BHC [1]	ND	0.10	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 3:40	JMB
gamma-BHC (Lindane) [1]	ND	0.041	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 3:40	JMB
Chlordane [1]	ND	0.41	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 3:40	JMB
4,4'-DDD [1]	ND	0.083	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 3:40	JMB
4,4'-DDE [1]	ND	0.083	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 3:40	JMB
4,4'-DDT [1]	ND	0.083	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 3:40	JMB
Dieldrin [1]	ND	0.083	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 3:40	JMB
Endosulfan I [1]	ND	0.10	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 3:40	JMB
Endosulfan II [1]	ND	0.17	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 3:40	JMB
Endosulfan sulfate [1]	ND	0.17	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 3:40	JMB
Endrin [1]	ND	0.17	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 3:40	JMB
Endrin ketone [1]	ND	0.17	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 3:40	JMB
Heptachlor [1]	ND	0.10	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 3:40	JMB
Heptachlor epoxide [1]	ND	0.10	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 3:40	JMB
Hexachlorobenzene [1]	ND	0.12	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 3:40	JMB
Methoxychlor [1]	ND	1.0	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 3:40	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	65.4	30-150		7/30/15 3:40
Decachlorobiphenyl [2]	62.8	30-150		7/30/15 3:40
Tetrachloro-m-xylene [1]	67.5	30-150		7/30/15 3:40
Tetrachloro-m-xylene [2]	68.3	30-150		7/30/15 3:40



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 13:00

Field Sample #: No 6-SP1-6

Sample ID: 15G1139-06

Sample Matrix: Soil

Sample Flags: O-32

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 14:40	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 14:40	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 14:40	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 14:40	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 14:40	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 14:40	KAL
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 14:40	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 14:40	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 14:40	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	73.0	30-150					7/28/15 14:40		
Decachlorobiphenyl [2]	87.9	30-150					7/28/15 14:40		
Tetrachloro-m-xylene [1]	68.0	30-150					7/28/15 14:40		
Tetrachloro-m-xylene [2]	64.5	30-150					7/28/15 14:40		



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 13:00

Field Sample #: No 6-SP1-6

Sample ID: 15G1139-06

Sample Matrix: Soil

Herbicides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-D [1]	ND	27	µg/kg dry	1		SW-846 8151A	7/24/15	7/27/15 23:49	JMB
2,4-DB [2]	51	27	µg/kg dry	1	R-06	SW-846 8151A	7/24/15	7/27/15 23:49	JMB
2,4,5-TP (Silvex) [1]	ND	2.7	µg/kg dry	1		SW-846 8151A	7/24/15	7/27/15 23:49	JMB
2,4,5-T [1]	ND	2.7	µg/kg dry	1		SW-846 8151A	7/24/15	7/27/15 23:49	JMB
Dalapon [1]	ND	66	µg/kg dry	1		SW-846 8151A	7/24/15	7/27/15 23:49	JMB
Dicamba [1]	ND	2.7	µg/kg dry	1		SW-846 8151A	7/24/15	7/27/15 23:49	JMB
Dichloroprop [1]	ND	27	µg/kg dry	1		SW-846 8151A	7/24/15	7/27/15 23:49	JMB
Dinoseb [2]	15	13	µg/kg dry	1		SW-846 8151A	7/24/15	7/27/15 23:49	JMB
MCPA [1]	ND	2700	µg/kg dry	1		SW-846 8151A	7/24/15	7/27/15 23:49	JMB
MCPP [1]	ND	2700	µg/kg dry	1		SW-846 8151A	7/24/15	7/27/15 23:49	JMB
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
2,4-Dichlorophenylacetic acid [1]	93.2	30-150							7/27/15 23:49
2,4-Dichlorophenylacetic acid [2]	95.0	30-150							7/27/15 23:49



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 13:00

Field Sample #: No 6-SP1-6

Sample ID: 15G1139-06

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diesel Range Organics	2900	450	mg/Kg dry	50		SW-846 8015C	7/23/15	7/24/15 20:33	SCS
Surrogates									
o-Terphenyl	*		40-140			S-01		7/24/15 20:33	



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 13:00

Field Sample #: No 6-SP1-6

Sample ID: 15G1139-06

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	14	2.7	mg/Kg dry	1		SW-846 6010C	7/24/15	7/27/15 15:55	MJH
Barium	43	2.7	mg/Kg dry	1		SW-846 6010C	7/24/15	7/27/15 15:55	MJH
Cadmium	0.66	0.27	mg/Kg dry	1		SW-846 6010C	7/24/15	7/27/15 15:55	MJH
Chromium	15	0.54	mg/Kg dry	1		SW-846 6010C	7/24/15	7/27/15 15:55	MJH
Lead	74	0.81	mg/Kg dry	1		SW-846 6010C	7/24/15	7/27/15 15:55	MJH
Mercury	0.44	0.027	mg/Kg dry	1		SW-846 7471B	7/24/15	7/28/15 11:07	SCB
Selenium	ND	5.4	mg/Kg dry	1		SW-846 6010C	7/24/15	7/27/15 15:55	MJH
Silver	ND	0.54	mg/Kg dry	1		SW-846 6010C	7/24/15	7/27/15 15:55	MJH



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP1-6

Sampled: 7/23/2015 13:00

Sample ID: 15G1139-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	14	0.41	mg/Kg dry	1		SW-846 9014	7/27/15	7/28/15 13:50	VAK
Free Liquid	Absent		present/absent	1		SW-846 9095B	7/24/15	7/24/15 8:10	LL
Ignitability	Absent		present/absent	1		SW-846 1030	7/27/15	7/27/15 17:00	AG
pH @22°C	8.1		pH Units	1		SW-846 9045C	7/24/15	7/24/15 10:35	MMH
Reactive Cyanide	ND	3.9	mg/Kg	1		SW-846 9014	7/27/15	7/28/15 16:30	AG
Reactive Sulfide	ND	20	mg/Kg	1		SW-846 9030A	7/28/15	7/29/15 11:55	DJM
Specific conductance	32	2.0	µmhos/cm	1		SM21-22 2510B Modified SM 2540G	7/24/15	7/24/15 14:55	MMH
% Solids	92.7		% Wt	1			7/24/15	7/24/15 14:19	MRL



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP1-6

Sampled: 7/23/2015 13:00

Sample ID: 15G1139-06

Sample Matrix: Soil

TCLP - Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.010	0.00079	mg/L	10		SW-846 8260C	7/30/15	7/31/15 4:21	CMR
2-Butanone (MEK)	ND	0.20	0.024	mg/L	10		SW-846 8260C	7/30/15	7/31/15 4:21	CMR
Carbon Tetrachloride	ND	0.050	0.0010	mg/L	10		SW-846 8260C	7/30/15	7/31/15 4:21	CMR
Chlorobenzene	ND	0.010	0.0012	mg/L	10		SW-846 8260C	7/30/15	7/31/15 4:21	CMR
Chloroform	ND	0.020	0.0014	mg/L	10		SW-846 8260C	7/30/15	7/31/15 4:21	CMR
1,4-Dichlorobenzene	0.0016	0.010	0.00046	mg/L	10	J	SW-846 8260C	7/30/15	7/31/15 4:21	CMR
1,2-Dichloroethane	ND	0.010	0.0019	mg/L	10		SW-846 8260C	7/30/15	7/31/15 4:21	CMR
1,1-Dichloroethylene	ND	0.010	0.0021	mg/L	10		SW-846 8260C	7/30/15	7/31/15 4:21	CMR
Tetrachloroethylene	ND	0.010	0.00080	mg/L	10		SW-846 8260C	7/30/15	7/31/15 4:21	CMR
Trichloroethylene	ND	0.010	0.00077	mg/L	10		SW-846 8260C	7/30/15	7/31/15 4:21	CMR
Vinyl Chloride	ND	0.020	0.0013	mg/L	10		SW-846 8260C	7/30/15	7/31/15 4:21	CMR
Surrogates		% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4		94.4	70-130							
Toluene-d8		98.8	70-130							
4-Bromofluorobenzene		96.8	70-130							



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 13:00

Field Sample #: No 6-SP1-6

Sample ID: 15G1139-06

Sample Matrix: Soil

Miscellaneous Inorganic Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Sulfur	<0.10	0.1	%	1		ASTM D-4239	7/30/15 0:00		SAL

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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP1-7

Sampled: 7/23/2015 13:15

Sample ID: 15G1139-07Sample Matrix: Soil**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.077	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:02	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0077	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:02	MFF
Benzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:02	MFF
Bromobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:02	MFF
Bromochloromethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:02	MFF
Bromodichloromethane	ND	0.0077	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:02	MFF
Bromoform	ND	0.0077	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:02	MFF
Bromomethane	ND	0.0077	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:02	MFF
2-Butanone (MEK)	ND	0.031	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:02	MFF
n-Butylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:02	MFF
sec-Butylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:02	MFF
tert-Butylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:02	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.00077	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:02	MFF
Carbon Disulfide	ND	0.0046	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:02	MFF
Carbon Tetrachloride	ND	0.0077	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:02	MFF
Chlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:02	MFF
Chlorodibromomethane	ND	0.0077	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:02	MFF
Chloroethane	ND	0.0077	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:02	MFF
Chloroform	ND	0.0031	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:02	MFF
Chloromethane	ND	0.0077	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:02	MFF
2-Chlorotoluene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:02	MFF
4-Chlorotoluene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:02	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0015	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:02	MFF
1,2-Dibromoethane (EDB)	ND	0.0031	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:02	MFF
Dibromomethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:02	MFF
1,2-Dichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:02	MFF
1,3-Dichlorobenzene	0.0022	0.0015	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:02	MFF
1,4-Dichlorobenzene	0.0038	0.0015	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:02	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.0077	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:02	MFF
1,1-Dichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:02	MFF
1,2-Dichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:02	MFF
1,1-Dichloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:02	MFF
cis-1,2-Dichloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:02	MFF
trans-1,2-Dichloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:02	MFF
1,2-Dichloropropane	ND	0.0077	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:02	MFF
1,3-Dichloropropane	ND	0.00077	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:02	MFF
2,2-Dichloropropane	ND	0.0077	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:02	MFF
1,1-Dichloropropene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:02	MFF
cis-1,3-Dichloropropene	ND	0.0077	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:02	MFF
trans-1,3-Dichloropropene	ND	0.0077	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:02	MFF
Diethyl Ether	ND	0.0077	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:02	MFF
Diisopropyl Ether (DIPE)	ND	0.00077	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:02	MFF
1,4-Dioxane	ND	0.077	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:02	MFF
Ethylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:02	MFF



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP1-7

Sampled: 7/23/2015 13:15

Sample ID: 15G1139-07Sample Matrix: Soil**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:02	MFF
2-Hexanone (MBK)	ND	0.015	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:02	MFF
Isopropylbenzene (Cumene)	ND	0.0015	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:02	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0015	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:02	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0031	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:02	MFF
Methylene Chloride	ND	0.0077	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:02	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.015	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:02	MFF
Naphthalene	0.0031	0.0031	mg/Kg dry	1	V-05	SW-846 8260C	7/24/15	7/24/15 13:02	MFF
n-Propylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:02	MFF
Styrene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:02	MFF
1,1,1,2-Tetrachloroethane	ND	0.0077	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:02	MFF
1,1,2,2-Tetrachloroethane	ND	0.00077	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:02	MFF
Tetrachloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:02	MFF
Tetrahydrofuran	ND	0.0077	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:02	MFF
Toluene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:02	MFF
1,2,3-Trichlorobenzene	ND	0.0031	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:02	MFF
1,2,4-Trichlorobenzene	ND	0.0077	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:02	MFF
1,1,1-Trichloroethane	ND	0.0031	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:02	MFF
1,1,2-Trichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:02	MFF
Trichloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:02	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0077	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:02	MFF
1,2,3-Trichloropropane	ND	0.0031	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:02	MFF
1,2,4-Trimethylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:02	MFF
1,3,5-Trimethylbenzene	ND	0.0031	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:02	MFF
Vinyl Chloride	ND	0.0077	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:02	MFF
m+p Xylene	ND	0.0031	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:02	MFF
o-Xylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:02	MFF
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
1,2-Dichloroethane-d4		88.4	70-130						7/24/15 13:02
Toluene-d8		97.3	70-130						7/24/15 13:02
4-Bromofluorobenzene		96.6	70-130						7/24/15 13:02

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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP1-7

Sampled: 7/23/2015 13:15

Sample ID: 15G1139-07Sample Matrix: Soil**Semivolatile Organic Compounds by GC/MS**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	1.2	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:57	CMR
Acenaphthylene	5.1	1.8	mg/Kg dry	10		SW-846 8270D	7/23/15	7/28/15 13:28	CMR
Acetophenone	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:57	CMR
Aniline	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:57	CMR
Anthracene	4.7	1.8	mg/Kg dry	10		SW-846 8270D	7/23/15	7/28/15 13:28	CMR
Benzo(a)anthracene	11	1.8	mg/Kg dry	10		SW-846 8270D	7/23/15	7/28/15 13:28	CMR
Benzo(a)pyrene	13	1.8	mg/Kg dry	10		SW-846 8270D	7/23/15	7/28/15 13:28	CMR
Benzo(b)fluoranthene	15	1.8	mg/Kg dry	10		SW-846 8270D	7/23/15	7/28/15 13:28	CMR
Benzo(g,h,i)perylene	7.2	1.8	mg/Kg dry	10		SW-846 8270D	7/23/15	7/28/15 13:28	CMR
Benzo(k)fluoranthene	4.8	1.8	mg/Kg dry	10		SW-846 8270D	7/23/15	7/28/15 13:28	CMR
Bis(2-chloroethoxy)methane	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:57	CMR
Bis(2-chloroethyl)ether	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:57	CMR
Bis(2-chloroisopropyl)ether	ND	0.36	mg/Kg dry	1	V-20	SW-846 8270D	7/23/15	7/27/15 16:57	CMR
Bis(2-Ethylhexyl)phthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:57	CMR
4-Bromophenylphenylether	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:57	CMR
Butylbenzylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:57	CMR
4-Chloroaniline	ND	0.70	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:57	CMR
2-Chloronaphthalene	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:57	CMR
2-Chlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:57	CMR
Chrysene	12	1.8	mg/Kg dry	10		SW-846 8270D	7/23/15	7/28/15 13:28	CMR
Dibenz(a,h)anthracene	1.7	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:57	CMR
Dibenzofuran	0.86	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:57	CMR
Di-n-butylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:57	CMR
1,2-Dichlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:57	CMR
1,3-Dichlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:57	CMR
1,4-Dichlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:57	CMR
3,3-Dichlorobenzidine	ND	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:57	CMR
2,4-Dichlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:57	CMR
Diethylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:57	CMR
2,4-Dimethylphenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:57	CMR
Dimethylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:57	CMR
2,4-Dinitrophenol	ND	0.70	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:57	CMR
2,4-Dinitrotoluene	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:57	CMR
2,6-Dinitrotoluene	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:57	CMR
Di-n-octylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:57	CMR
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:57	CMR
Fluoranthene	23	1.8	mg/Kg dry	10		SW-846 8270D	7/23/15	7/28/15 13:28	CMR
Fluorene	2.1	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:57	CMR
Hexachlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:57	CMR
Hexachlorobutadiene	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:57	CMR
Hexachloroethane	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:57	CMR
Indeno(1,2,3-cd)pyrene	7.8	1.8	mg/Kg dry	10		SW-846 8270D	7/23/15	7/28/15 13:28	CMR
Isophorone	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:57	CMR
2-Methylnaphthalene	1.7	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:57	CMR



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP1-7

Sampled: 7/23/2015 13:15

Sample ID: 15G1139-07**Sample Matrix:** Soil**Semivolatile Organic Compounds by GC/MS**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:57	CMR
3/4-Methylphenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:57	CMR
Naphthalene	3.9	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:57	CMR
Nitrobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:57	CMR
2-Nitrophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:57	CMR
4-Nitrophenol	ND	0.70	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:57	CMR
Pentachlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:57	CMR
Phenanthrene	11	1.8	mg/Kg dry	10		SW-846 8270D	7/23/15	7/28/15 13:28	CMR
Phenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:57	CMR
Pyrene	26	1.8	mg/Kg dry	10		SW-846 8270D	7/23/15	7/28/15 13:28	CMR
1,2,4-Trichlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:57	CMR
2,4,5-Trichlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:57	CMR
2,4,6-Trichlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 16:57	CMR
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
2-Fluorophenol	48.6	30-130						7/27/15 16:57	
Phenol-d6	48.9	30-130						7/27/15 16:57	
Nitrobenzene-d5	47.9	30-130						7/27/15 16:57	
2-Fluorobiphenyl	50.1	30-130						7/27/15 16:57	
2,4,6-Tribromophenol	58.1	30-130						7/27/15 16:57	
p-Terphenyl-d14	69.1	30-130						7/27/15 16:57	



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 13:15

Field Sample #: No 6-SP1-7

Sample ID: 15G1139-07

Sample Matrix: Soil

Sample Flags: RL-12

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aldrin [1]	ND	0.11	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 4:02	JMB
alpha-BHC [1]	ND	0.11	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 4:02	JMB
beta-BHC [1]	ND	0.11	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 4:02	JMB
delta-BHC [1]	ND	0.11	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 4:02	JMB
gamma-BHC (Lindane) [1]	ND	0.042	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 4:02	JMB
Chlordane [1]	ND	0.42	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 4:02	JMB
4,4'-DDD [1]	ND	0.085	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 4:02	JMB
4,4'-DDE [1]	ND	0.085	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 4:02	JMB
4,4'-DDT [1]	ND	0.085	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 4:02	JMB
Dieldrin [1]	ND	0.085	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 4:02	JMB
Endosulfan I [1]	ND	0.11	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 4:02	JMB
Endosulfan II [1]	ND	0.17	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 4:02	JMB
Endosulfan sulfate [1]	ND	0.17	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 4:02	JMB
Endrin [1]	ND	0.17	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 4:02	JMB
Endrin ketone [1]	ND	0.17	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 4:02	JMB
Heptachlor [1]	ND	0.11	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 4:02	JMB
Heptachlor epoxide [1]	ND	0.11	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 4:02	JMB
Hexachlorobenzene [1]	ND	0.13	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 4:02	JMB
Methoxychlor [1]	ND	1.1	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 4:02	JMB
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	69.8	30-150					7/30/15 4:02		
Decachlorobiphenyl [2]	57.3	30-150					7/30/15 4:02		
Tetrachloro-m-xylene [1]	69.0	30-150					7/30/15 4:02		
Tetrachloro-m-xylene [2]	71.9	30-150					7/30/15 4:02		



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 13:15

Field Sample #: No 6-SP1-7

Sample ID: 15G1139-07

Sample Matrix: Soil

Sample Flags: O-32

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 14:58	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 14:58	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 14:58	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 14:58	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 14:58	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 14:58	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 14:58	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 14:58	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 14:58	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	72.5	30-150							7/28/15 14:58
Decachlorobiphenyl [2]	91.6	30-150							7/28/15 14:58
Tetrachloro-m-xylene [1]	69.8	30-150							7/28/15 14:58
Tetrachloro-m-xylene [2]	66.8	30-150							7/28/15 14:58



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 13:15

Field Sample #: No 6-SP1-7

Sample ID: 15G1139-07

Sample Matrix: Soil

Herbicides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-D [1]	ND	26	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 0:28	JMB
2,4-DB [1]	48	26	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 0:28	JMB
2,4,5-TP (Silvex) [1]	ND	2.6	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 0:28	JMB
2,4,5-T [1]	ND	2.6	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 0:28	JMB
Dalapon [1]	ND	66	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 0:28	JMB
Dicamba [1]	ND	2.6	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 0:28	JMB
Dichloroprop [1]	ND	26	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 0:28	JMB
Dinoseb [1]	ND	13	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 0:28	JMB
MCPA [1]	ND	2600	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 0:28	JMB
MCPP [1]	ND	2600	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 0:28	JMB
Surrogates		% Recovery	Recovery Limits	Flag/Qual					
2,4-Dichlorophenylacetic acid [1]		80.5	30-150						
2,4-Dichlorophenylacetic acid [2]		85.4	30-150						



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 13:15

Field Sample #: No 6-SP1-7

Sample ID: 15G1139-07

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diesel Range Organics	3300	440	mg/Kg dry	50		SW-846 8015C	7/23/15	7/24/15 20:51	SCS
Surrogates									
o-Terphenyl	*		40-140			S-01		7/24/15 20:51	



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP1-7

Sampled: 7/23/2015 13:15

Sample ID: 15G1139-07

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	14	2.7	mg/Kg dry	1		SW-846 6010C	7/24/15	7/27/15 15:59	MJH
Barium	50	2.7	mg/Kg dry	1		SW-846 6010C	7/24/15	7/27/15 15:59	MJH
Cadmium	0.65	0.27	mg/Kg dry	1		SW-846 6010C	7/24/15	7/27/15 15:59	MJH
Chromium	14	0.54	mg/Kg dry	1		SW-846 6010C	7/24/15	7/27/15 15:59	MJH
Lead	93	0.81	mg/Kg dry	1		SW-846 6010C	7/24/15	7/27/15 15:59	MJH
Mercury	0.66	0.13	mg/Kg dry	5		SW-846 7471B	7/24/15	7/28/15 15:14	SCB
Selenium	ND	5.4	mg/Kg dry	1		SW-846 6010C	7/24/15	7/27/15 15:59	MJH
Silver	ND	0.54	mg/Kg dry	1		SW-846 6010C	7/24/15	7/27/15 15:59	MJH



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP1-7

Sampled: 7/23/2015 13:15

Sample ID: 15G1139-07

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	19	0.50	mg/Kg dry	1		SW-846 9014	7/27/15	7/28/15 13:50	VAK
Free Liquid	Absent		present/absent	1		SW-846 9095B	7/24/15	7/24/15 8:10	LL
Ignitability	Absent		present/absent	1		SW-846 1030	7/27/15	7/27/15 17:00	AG
pH @24.6°C	7.9		pH Units	1		SW-846 9045C	7/24/15	7/24/15 10:35	MMH
Reactive Cyanide	ND	3.9	mg/Kg	1		SW-846 9014	7/27/15	7/28/15 16:30	AG
Reactive Sulfide	ND	19	mg/Kg	1		SW-846 9030A	7/28/15	7/29/15 11:55	DJM
Specific conductance	34	2.0	µmhos/cm	1		SM21-22 2510B Modified SM 2540G	7/24/15	7/24/15 14:55	MMH
% Solids	92.8		% Wt	1			7/24/15	7/24/15 14:19	MRL



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP1-7

Sampled: 7/23/2015 13:15

Sample ID: 15G1139-07

Sample Matrix: Soil

TCLP - Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.010	0.00079	mg/L	10		SW-846 8260C	7/30/15	7/31/15 4:51	CMR
2-Butanone (MEK)	ND	0.20	0.024	mg/L	10		SW-846 8260C	7/30/15	7/31/15 4:51	CMR
Carbon Tetrachloride	ND	0.050	0.0010	mg/L	10		SW-846 8260C	7/30/15	7/31/15 4:51	CMR
Chlorobenzene	ND	0.010	0.0012	mg/L	10		SW-846 8260C	7/30/15	7/31/15 4:51	CMR
Chloroform	ND	0.020	0.0014	mg/L	10		SW-846 8260C	7/30/15	7/31/15 4:51	CMR
1,4-Dichlorobenzene	0.0023	0.010	0.00046	mg/L	10	J	SW-846 8260C	7/30/15	7/31/15 4:51	CMR
1,2-Dichloroethane	ND	0.010	0.0019	mg/L	10		SW-846 8260C	7/30/15	7/31/15 4:51	CMR
1,1-Dichloroethylene	ND	0.010	0.0021	mg/L	10		SW-846 8260C	7/30/15	7/31/15 4:51	CMR
Tetrachloroethylene	ND	0.010	0.00080	mg/L	10		SW-846 8260C	7/30/15	7/31/15 4:51	CMR
Trichloroethylene	ND	0.010	0.00077	mg/L	10		SW-846 8260C	7/30/15	7/31/15 4:51	CMR
Vinyl Chloride	ND	0.020	0.0013	mg/L	10		SW-846 8260C	7/30/15	7/31/15 4:51	CMR
Surrogates	% Recovery	Recovery Limits			Flag/Qual					
1,2-Dichloroethane-d4	95.1	70-130						7/31/15 4:51		
Toluene-d8	98.7	70-130						7/31/15 4:51		
4-Bromofluorobenzene	96.8	70-130						7/31/15 4:51		



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 13:15

Field Sample #: No 6-SP1-7

Sample ID: 15G1139-07

Sample Matrix: Soil

Miscellaneous Inorganic Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Sulfur	0.13	0.1	%	1		ASTM D-4239	7/30/15 0:00		SAL

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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP1-8

Sampled: 7/23/2015 13:45

Sample ID: 15G1139-08Sample Matrix: Soil**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.072	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:29	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0072	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:29	MFF
Benzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:29	MFF
Bromobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:29	MFF
Bromochloromethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:29	MFF
Bromodichloromethane	ND	0.0072	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:29	MFF
Bromoform	ND	0.0072	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:29	MFF
Bromomethane	ND	0.0072	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:29	MFF
2-Butanone (MEK)	ND	0.029	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:29	MFF
n-Butylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:29	MFF
sec-Butylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:29	MFF
tert-Butylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:29	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.00072	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:29	MFF
Carbon Disulfide	ND	0.0043	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:29	MFF
Carbon Tetrachloride	ND	0.0072	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:29	MFF
Chlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:29	MFF
Chlorodibromomethane	ND	0.0072	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:29	MFF
Chloroethane	ND	0.0072	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:29	MFF
Chloroform	ND	0.0029	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:29	MFF
Chloromethane	ND	0.0072	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:29	MFF
2-Chlorotoluene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:29	MFF
4-Chlorotoluene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:29	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0014	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:29	MFF
1,2-Dibromoethane (EDB)	ND	0.0029	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:29	MFF
Dibromomethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:29	MFF
1,2-Dichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:29	MFF
1,3-Dichlorobenzene	0.0084	0.0014	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:29	MFF
1,4-Dichlorobenzene	0.011	0.0014	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:29	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.0072	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:29	MFF
1,1-Dichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:29	MFF
1,2-Dichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:29	MFF
1,1-Dichloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:29	MFF
cis-1,2-Dichloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:29	MFF
trans-1,2-Dichloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:29	MFF
1,2-Dichloropropane	ND	0.0072	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:29	MFF
1,3-Dichloropropane	ND	0.00072	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:29	MFF
2,2-Dichloropropane	ND	0.0072	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:29	MFF
1,1-Dichloropropene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:29	MFF
cis-1,3-Dichloropropene	ND	0.0072	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:29	MFF
trans-1,3-Dichloropropene	ND	0.0072	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:29	MFF
Diethyl Ether	ND	0.0072	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:29	MFF
Diisopropyl Ether (DIPE)	ND	0.00072	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:29	MFF
1,4-Dioxane	ND	0.072	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:29	MFF
Ethylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:29	MFF



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP1-8

Sampled: 7/23/2015 13:45

Sample ID: 15G1139-08Sample Matrix: Soil**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:29	MFF
2-Hexanone (MBK)	ND	0.014	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:29	MFF
Isopropylbenzene (Cumene)	ND	0.0014	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:29	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0014	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:29	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0029	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:29	MFF
Methylene Chloride	ND	0.0072	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:29	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.014	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:29	MFF
Naphthalene	ND	0.0029	mg/Kg dry	1	V-05	SW-846 8260C	7/24/15	7/24/15 13:29	MFF
n-Propylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:29	MFF
Styrene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:29	MFF
1,1,1,2-Tetrachloroethane	ND	0.0072	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:29	MFF
1,1,2,2-Tetrachloroethane	ND	0.00072	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:29	MFF
Tetrachloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:29	MFF
Tetrahydrofuran	ND	0.0072	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:29	MFF
Toluene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:29	MFF
1,2,3-Trichlorobenzene	ND	0.0029	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:29	MFF
1,2,4-Trichlorobenzene	ND	0.0072	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:29	MFF
1,1,1-Trichloroethane	ND	0.0029	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:29	MFF
1,1,2-Trichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:29	MFF
Trichloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:29	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0072	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:29	MFF
1,2,3-Trichloropropane	ND	0.0029	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:29	MFF
1,2,4-Trimethylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:29	MFF
1,3,5-Trimethylbenzene	ND	0.0029	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:29	MFF
Vinyl Chloride	ND	0.0072	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:29	MFF
m+p Xylene	ND	0.0029	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:29	MFF
o-Xylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	7/24/15	7/24/15 13:29	MFF
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	91.4	70-130					7/24/15 13:29		
Toluene-d8	97.9	70-130					7/24/15 13:29		
4-Bromofluorobenzene	98.1	70-130					7/24/15 13:29		

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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP1-8

Sampled: 7/23/2015 13:45

Sample ID: 15G1139-08Sample Matrix: Soil**Semivolatile Organic Compounds by GC/MS**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	0.44	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 17:26	CMR
Acenaphthylene	2.8	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 17:26	CMR
Acetophenone	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 17:26	CMR
Aniline	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 17:26	CMR
Anthracene	1.8	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 17:26	CMR
Benzo(a)anthracene	3.9	0.90	mg/Kg dry	5		SW-846 8270D	7/23/15	7/28/15 13:53	CMR
Benzo(a)pyrene	5.3	0.90	mg/Kg dry	5		SW-846 8270D	7/23/15	7/28/15 13:53	CMR
Benzo(b)fluoranthene	5.8	0.90	mg/Kg dry	5		SW-846 8270D	7/23/15	7/28/15 13:53	CMR
Benzo(g,h,i)perylene	3.7	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 17:26	CMR
Benzo(k)fluoranthene	2.4	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 17:26	CMR
Bis(2-chloroethoxy)methane	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 17:26	CMR
Bis(2-chloroethyl)ether	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 17:26	CMR
Bis(2-chloroisopropyl)ether	ND	0.36	mg/Kg dry	1	V-20	SW-846 8270D	7/23/15	7/27/15 17:26	CMR
Bis(2-Ethylhexyl)phthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 17:26	CMR
4-Bromophenylphenylether	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 17:26	CMR
Butylbenzylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 17:26	CMR
4-Chloroaniline	ND	0.70	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 17:26	CMR
2-Chloronaphthalene	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 17:26	CMR
2-Chlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 17:26	CMR
Chrysene	4.5	0.90	mg/Kg dry	5		SW-846 8270D	7/23/15	7/28/15 13:53	CMR
Dibenz(a,h)anthracene	0.98	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 17:26	CMR
Dibenzofuran	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 17:26	CMR
Di-n-butylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 17:26	CMR
1,2-Dichlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 17:26	CMR
1,3-Dichlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 17:26	CMR
1,4-Dichlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 17:26	CMR
3,3-Dichlorobenzidine	ND	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 17:26	CMR
2,4-Dichlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 17:26	CMR
Diethylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 17:26	CMR
2,4-Dimethylphenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 17:26	CMR
Dimethylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 17:26	CMR
2,4-Dinitrophenol	ND	0.70	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 17:26	CMR
2,4-Dinitrotoluene	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 17:26	CMR
2,6-Dinitrotoluene	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 17:26	CMR
Di-n-octylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 17:26	CMR
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 17:26	CMR
Fluoranthene	6.2	0.90	mg/Kg dry	5		SW-846 8270D	7/23/15	7/28/15 13:53	CMR
Fluorene	0.85	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 17:26	CMR
Hexachlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 17:26	CMR
Hexachlorobutadiene	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 17:26	CMR
Hexachloroethane	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 17:26	CMR
Indeno(1,2,3-cd)pyrene	3.5	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 17:26	CMR
Isophorone	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 17:26	CMR
2-Methylnaphthalene	1.2	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 17:26	CMR



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 13:45

Field Sample #: No 6-SP1-8

Sample ID: 15G1139-08

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 17:26	CMR
3/4-Methylphenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 17:26	CMR
Naphthalene	2.2	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 17:26	CMR
Nitrobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 17:26	CMR
2-Nitrophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 17:26	CMR
4-Nitrophenol	ND	0.70	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 17:26	CMR
Pentachlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 17:26	CMR
Phenanthrrene	4.1	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 17:26	CMR
Phenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 17:26	CMR
Pyrene	8.4	0.90	mg/Kg dry	5		SW-846 8270D	7/23/15	7/28/15 13:53	CMR
1,2,4-Trichlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 17:26	CMR
2,4,5-Trichlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 17:26	CMR
2,4,6-Trichlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 17:26	CMR
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
2-Fluorophenol	55.3	30-130						7/27/15 17:26	
Phenol-d6	55.8	30-130						7/27/15 17:26	
Nitrobenzene-d5	55.7	30-130						7/27/15 17:26	
2-Fluorobiphenyl	60.1	30-130						7/27/15 17:26	
2,4,6-Tribromophenol	68.4	30-130						7/27/15 17:26	
p-Terphenyl-d14	74.1	30-130						7/27/15 17:26	



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP1-8

Sampled: 7/23/2015 13:45

Sample ID: 15G1139-08Sample Matrix: Soil

Sample Flags: RL-12

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aldrin [1]	ND	0.10	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 4:25	JMB
alpha-BHC [1]	ND	0.10	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 4:25	JMB
beta-BHC [1]	ND	0.10	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 4:25	JMB
delta-BHC [1]	ND	0.10	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 4:25	JMB
gamma-BHC (Lindane) [1]	ND	0.040	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 4:25	JMB
Chlordane [1]	ND	0.40	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 4:25	JMB
4,4'-DDD [1]	ND	0.081	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 4:25	JMB
4,4'-DDE [1]	ND	0.081	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 4:25	JMB
4,4'-DDT [1]	ND	0.081	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 4:25	JMB
Dieldrin [1]	ND	0.081	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 4:25	JMB
Endosulfan I [1]	ND	0.10	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 4:25	JMB
Endosulfan II [1]	ND	0.16	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 4:25	JMB
Endosulfan sulfate [1]	ND	0.16	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 4:25	JMB
Endrin [1]	ND	0.16	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 4:25	JMB
Endrin ketone [1]	ND	0.16	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 4:25	JMB
Heptachlor [1]	ND	0.10	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 4:25	JMB
Heptachlor epoxide [1]	ND	0.10	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 4:25	JMB
Hexachlorobenzene [1]	ND	0.12	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 4:25	JMB
Methoxychlor [1]	ND	1.0	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 4:25	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	74.2	30-150		7/30/15 4:25
Decachlorobiphenyl [2]	63.2	30-150		7/30/15 4:25
Tetrachloro-m-xylene [1]	74.6	30-150		7/30/15 4:25
Tetrachloro-m-xylene [2]	74.8	30-150		7/30/15 4:25



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 13:45

Field Sample #: No 6-SP1-8

Sample ID: 15G1139-08

Sample Matrix: Soil

Sample Flags: O-32

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 15:16	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 15:16	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 15:16	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 15:16	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 15:16	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 15:16	KAL
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 15:16	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 15:16	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 15:16	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	72.7	30-150							7/28/15 15:16
Decachlorobiphenyl [2]	78.9	30-150							7/28/15 15:16
Tetrachloro-m-xylene [1]	68.5	30-150							7/28/15 15:16
Tetrachloro-m-xylene [2]	66.5	30-150							7/28/15 15:16



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 13:45

Field Sample #: No 6-SP1-8

Sample ID: 15G1139-08

Sample Matrix: Soil

Herbicides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-D [1]	ND	26	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 1:06	JMB
2,4-DB [1]	ND	26	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 1:06	JMB
2,4,5-TP (Silvex) [1]	ND	2.6	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 1:06	JMB
2,4,5-T [1]	ND	2.6	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 1:06	JMB
Dalapon [1]	ND	66	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 1:06	JMB
Dicamba [1]	ND	2.6	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 1:06	JMB
Dichloroprop [1]	ND	26	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 1:06	JMB
Dinoseb [1]	ND	13	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 1:06	JMB
MCPA [1]	ND	2600	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 1:06	JMB
MCPP [1]	ND	2600	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 1:06	JMB
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
2,4-Dichlorophenylacetic acid [1]	84.9	30-150							7/28/15 1:06
2,4-Dichlorophenylacetic acid [2]	90.8	30-150							7/28/15 1:06



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 13:45

Field Sample #: No 6-SP1-8

Sample ID: 15G1139-08

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diesel Range Organics	1400	440	mg/Kg dry	50		SW-846 8015C	7/23/15	7/24/15 21:09	SCS
Surrogates									
o-Terphenyl	*		40-140			S-01		7/24/15 21:09	



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP1-8

Sampled: 7/23/2015 13:45

Sample ID: 15G1139-08

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	13	2.6	mg/Kg dry	1		SW-846 6010C	7/24/15	7/27/15 16:04	MJH
Barium	39	2.6	mg/Kg dry	1		SW-846 6010C	7/24/15	7/27/15 16:04	MJH
Cadmium	0.61	0.26	mg/Kg dry	1		SW-846 6010C	7/24/15	7/27/15 16:04	MJH
Chromium	13	0.53	mg/Kg dry	1		SW-846 6010C	7/24/15	7/27/15 16:04	MJH
Lead	50	0.79	mg/Kg dry	1		SW-846 6010C	7/24/15	7/27/15 16:04	MJH
Mercury	0.34	0.026	mg/Kg dry	1		SW-846 7471B	7/24/15	7/28/15 11:10	SCB
Selenium	ND	5.3	mg/Kg dry	1		SW-846 6010C	7/24/15	7/27/15 16:04	MJH
Silver	ND	0.53	mg/Kg dry	1		SW-846 6010C	7/24/15	7/27/15 16:04	MJH



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 13:45

Field Sample #: No 6-SP1-8

Sample ID: 15G1139-08

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	7.5	0.44	mg/Kg dry	1		SW-846 9014	7/27/15	7/28/15 13:50	VAK
Free Liquid	Absent		present/absent	1		SW-846 9095B	7/24/15	7/24/15 8:10	LL
Ignitability	Absent		present/absent	1		SW-846 1030	7/27/15	7/27/15 17:00	AG
pH @22.4°C	7.8		pH Units	1		SW-846 9045C	7/24/15	7/24/15 10:35	MMH
Reactive Cyanide	ND	4.0	mg/Kg	1		SW-846 9014	7/27/15	7/28/15 16:30	AG
Reactive Sulfide	ND	20	mg/Kg	1		SW-846 9030A	7/28/15	7/29/15 11:55	DJM
Specific conductance	24	2.0	µmhos/cm	1		SM21-22 2510B Modified SM 2540G	7/24/15	7/24/15 14:55	MMH
% Solids	94.4		% Wt	1			7/24/15	7/24/15 14:19	MRL



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP1-8

Sampled: 7/23/2015 13:45

Sample ID: 15G1139-08

Sample Matrix: Soil

TCLP - Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.010	0.00079	mg/L	10		SW-846 8260C	7/30/15	7/31/15 5:22	CMR
2-Butanone (MEK)	ND	0.20	0.024	mg/L	10		SW-846 8260C	7/30/15	7/31/15 5:22	CMR
Carbon Tetrachloride	ND	0.050	0.0010	mg/L	10		SW-846 8260C	7/30/15	7/31/15 5:22	CMR
Chlorobenzene	ND	0.010	0.0012	mg/L	10		SW-846 8260C	7/30/15	7/31/15 5:22	CMR
Chloroform	ND	0.020	0.0014	mg/L	10		SW-846 8260C	7/30/15	7/31/15 5:22	CMR
1,4-Dichlorobenzene	0.0031	0.010	0.00046	mg/L	10	J	SW-846 8260C	7/30/15	7/31/15 5:22	CMR
1,2-Dichloroethane	ND	0.010	0.0019	mg/L	10		SW-846 8260C	7/30/15	7/31/15 5:22	CMR
1,1-Dichloroethylene	ND	0.010	0.0021	mg/L	10		SW-846 8260C	7/30/15	7/31/15 5:22	CMR
Tetrachloroethylene	ND	0.010	0.00080	mg/L	10		SW-846 8260C	7/30/15	7/31/15 5:22	CMR
Trichloroethylene	ND	0.010	0.00077	mg/L	10		SW-846 8260C	7/30/15	7/31/15 5:22	CMR
Vinyl Chloride	ND	0.020	0.0013	mg/L	10		SW-846 8260C	7/30/15	7/31/15 5:22	CMR
Surrogates	% Recovery	Recovery Limits			Flag/Qual					
1,2-Dichloroethane-d4	94.8	70-130						7/31/15 5:22		
Toluene-d8	99.8	70-130						7/31/15 5:22		
4-Bromofluorobenzene	97.3	70-130						7/31/15 5:22		



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 13:45

Field Sample #: No 6-SP1-8

Sample ID: 15G1139-08

Sample Matrix: Soil

Miscellaneous Inorganic Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Sulfur	<0.10	0.1	%	1		ASTM D-4239	7/30/15 0:00		SAL

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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP1-9

Sampled: 7/23/2015 14:05

Sample ID: 15G1139-09**Sample Matrix:** Soil**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	1.4	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:06	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.014	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:06	EEH
Benzene	0.098	0.028	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:06	EEH
Bromobenzene	ND	0.028	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:06	EEH
Bromochloromethane	ND	0.028	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:06	EEH
Bromodichloromethane	ND	0.028	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:06	EEH
Bromoform	ND	0.028	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:06	EEH
Bromomethane	ND	0.14	mg/Kg dry	1	L-04, RL-07, V-05	SW-846 8260C	7/29/15	7/30/15 6:06	EEH
2-Butanone (MEK)	ND	0.56	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:06	EEH
n-Butylbenzene	ND	0.028	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:06	EEH
sec-Butylbenzene	ND	0.028	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:06	EEH
tert-Butylbenzene	ND	0.028	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:06	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.014	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:06	EEH
Carbon Disulfide	ND	0.28	mg/Kg dry	1	RL-07	SW-846 8260C	7/29/15	7/30/15 6:06	EEH
Carbon Tetrachloride	ND	0.028	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:06	EEH
Chlorobenzene	0.21	0.028	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:06	EEH
Chlorodibromomethane	ND	0.014	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:06	EEH
Chloroethane	ND	0.056	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:06	EEH
Chloroform	ND	0.056	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:06	EEH
Chloromethane	ND	0.14	mg/Kg dry	1	RL-07, V-05	SW-846 8260C	7/29/15	7/30/15 6:06	EEH
2-Chlorotoluene	ND	0.028	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:06	EEH
4-Chlorotoluene	ND	0.028	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:06	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.11	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:06	EEH
1,2-Dibromoethane (EDB)	ND	0.014	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:06	EEH
Dibromomethane	ND	0.028	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:06	EEH
1,2-Dichlorobenzene	0.029	0.028	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:06	EEH
1,3-Dichlorobenzene	0.55	0.028	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:06	EEH
1,4-Dichlorobenzene	0.70	0.028	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:06	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.056	mg/Kg dry	1	L-04, V-05	SW-846 8260C	7/29/15	7/30/15 6:06	EEH
1,1-Dichloroethane	ND	0.028	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:06	EEH
1,2-Dichloroethane	ND	0.028	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:06	EEH
1,1-Dichloroethylene	ND	0.028	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:06	EEH
cis-1,2-Dichloroethylene	ND	0.028	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:06	EEH
trans-1,2-Dichloroethylene	ND	0.028	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:06	EEH
1,2-Dichloropropane	ND	0.028	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:06	EEH
1,3-Dichloropropane	ND	0.014	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:06	EEH
2,2-Dichloropropane	ND	0.028	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:06	EEH
1,1-Dichloropropene	ND	0.056	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:06	EEH
cis-1,3-Dichloropropene	ND	0.014	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:06	EEH
trans-1,3-Dichloropropene	ND	0.014	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:06	EEH
Diethyl Ether	ND	0.056	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:06	EEH
Diisopropyl Ether (DIPE)	ND	0.014	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:06	EEH
1,4-Dioxane	ND	1.4	mg/Kg dry	1	V-05, V-16	SW-846 8260C	7/29/15	7/30/15 6:06	EEH
Ethylbenzene	0.069	0.028	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:06	EEH



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP1-9

Sampled: 7/23/2015 14:05

Sample ID: 15G1139-09**Sample Matrix:** Soil**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.028	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:06	EEH
2-Hexanone (MBK)	ND	0.28	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:06	EEH
Isopropylbenzene (Cumene)	ND	0.028	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:06	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.028	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:06	EEH
Methyl tert-Butyl Ether (MTBE)	ND	0.028	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:06	EEH
Methylene Chloride	ND	0.28	mg/Kg dry	1	RL-07	SW-846 8260C	7/29/15	7/30/15 6:06	EEH
4-Methyl-2-pentanone (MIBK)	ND	0.28	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:06	EEH
Naphthalene	1.0	0.056	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:06	EEH
n-Propylbenzene	ND	0.028	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:06	EEH
Styrene	ND	0.028	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:06	EEH
1,1,1,2-Tetrachloroethane	ND	0.028	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:06	EEH
1,1,2,2-Tetrachloroethane	ND	0.014	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:06	EEH
Tetrachloroethylene	ND	0.028	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:06	EEH
Tetrahydrofuran	ND	0.11	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:06	EEH
Toluene	0.10	0.028	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:06	EEH
1,2,3-Trichlorobenzene	ND	0.11	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:06	EEH
1,2,4-Trichlorobenzene	ND	0.028	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:06	EEH
1,1,1-Trichloroethane	ND	0.028	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:06	EEH
1,1,2-Trichloroethane	ND	0.028	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:06	EEH
Trichloroethylene	ND	0.028	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:06	EEH
Trichlorofluoromethane (Freon 11)	ND	0.056	mg/Kg dry	1	L-04, V-05	SW-846 8260C	7/29/15	7/30/15 6:06	EEH
1,2,3-Trichloropropane	ND	0.056	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:06	EEH
1,2,4-Trimethylbenzene	0.078	0.028	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:06	EEH
1,3,5-Trimethylbenzene	ND	0.14	mg/Kg dry	1	RL-07	SW-846 8260C	7/29/15	7/30/15 6:06	EEH
Vinyl Chloride	ND	0.056	mg/Kg dry	1	V-05	SW-846 8260C	7/29/15	7/30/15 6:06	EEH
m+p Xylene	0.11	0.056	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:06	EEH
o-Xylene	0.042	0.028	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:06	EEH
Surrogates		% Recovery	Recovery Limits	Flag/Qual					
1,2-Dichloroethane-d4		91.7	70-130						
Toluene-d8		98.6	70-130						
4-Bromofluorobenzene		102	70-130						

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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP1-9

Sampled: 7/23/2015 14:05

Sample ID: 15G1139-09Sample Matrix: Soil

Sample Flags: RL-05

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	2.0	0.72	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 17:54	CMR
Acenaphthylene	6.3	0.72	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 17:54	CMR
Acetophenone	ND	1.4	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 17:54	CMR
Aniline	ND	1.4	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 17:54	CMR
Anthracene	9.4	0.72	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 17:54	CMR
Benzo(a)anthracene	15	0.72	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 17:54	CMR
Benzo(a)pyrene	15	0.72	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 17:54	CMR
Benzo(b)fluoranthene	17	0.72	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 17:54	CMR
Benzo(g,h,i)perylene	9.2	0.72	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 17:54	CMR
Benzo(k)fluoranthene	5.8	0.72	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 17:54	CMR
Bis(2-chloroethoxy)methane	ND	1.4	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 17:54	CMR
Bis(2-chloroethyl)ether	ND	1.4	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 17:54	CMR
Bis(2-chloroisopropyl)ether	ND	1.4	mg/Kg dry	2	V-20	SW-846 8270D	7/23/15	7/27/15 17:54	CMR
Bis(2-Ethylhexyl)phthalate	ND	1.4	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 17:54	CMR
4-Bromophenylphenylether	ND	1.4	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 17:54	CMR
Butylbenzylphthalate	ND	1.4	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 17:54	CMR
4-Chloroaniline	ND	2.8	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 17:54	CMR
2-Chloronaphthalene	ND	1.4	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 17:54	CMR
2-Chlorophenol	ND	1.4	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 17:54	CMR
Chrysene	16	0.72	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 17:54	CMR
Dibenz(a,h)anthracene	2.1	0.72	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 17:54	CMR
Dibenzofuran	1.7	1.4	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 17:54	CMR
Di-n-butylphthalate	ND	1.4	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 17:54	CMR
1,2-Dichlorobenzene	ND	1.4	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 17:54	CMR
1,3-Dichlorobenzene	ND	1.4	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 17:54	CMR
1,4-Dichlorobenzene	ND	1.4	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 17:54	CMR
3,3-Dichlorobenzidine	ND	0.72	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 17:54	CMR
2,4-Dichlorophenol	ND	1.4	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 17:54	CMR
Diethylphthalate	ND	1.4	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 17:54	CMR
2,4-Dimethylphenol	ND	1.4	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 17:54	CMR
Dimethylphthalate	ND	1.4	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 17:54	CMR
2,4-Dinitrophenol	ND	2.8	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 17:54	CMR
2,4-Dinitrotoluene	ND	1.4	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 17:54	CMR
2,6-Dinitrotoluene	ND	1.4	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 17:54	CMR
Di-n-octylphthalate	ND	1.4	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 17:54	CMR
1,2-Diphenylhydrazine (as Azobenzene)	ND	1.4	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 17:54	CMR
Fluoranthene	34	3.6	mg/Kg dry	10		SW-846 8270D	7/23/15	7/28/15 14:18	CMR
Fluorene	4.6	0.72	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 17:54	CMR
Hexachlorobenzene	ND	1.4	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 17:54	CMR
Hexachlorobutadiene	ND	1.4	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 17:54	CMR
Hexachloroethane	ND	1.4	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 17:54	CMR
Indeno(1,2,3-cd)pyrene	9.0	0.72	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 17:54	CMR
Isophorone	ND	1.4	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 17:54	CMR
2-Methylnaphthalene	2.1	0.72	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 17:54	CMR



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP1-9

Sampled: 7/23/2015 14:05

Sample ID: 15G1139-09Sample Matrix: Soil

Sample Flags: RL-05

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	1.4	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 17:54	CMR
3/4-Methylphenol	ND	1.4	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 17:54	CMR
Naphthalene	4.5	0.72	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 17:54	CMR
Nitrobenzene	ND	1.4	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 17:54	CMR
2-Nitrophenol	ND	1.4	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 17:54	CMR
4-Nitrophenol	ND	2.8	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 17:54	CMR
Pentachlorophenol	ND	1.4	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 17:54	CMR
Phenanthrene	25	3.6	mg/Kg dry	10		SW-846 8270D	7/23/15	7/28/15 14:18	CMR
Phenol	ND	1.4	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 17:54	CMR
Pyrene	31	3.6	mg/Kg dry	10		SW-846 8270D	7/23/15	7/28/15 14:18	CMR
1,2,4-Trichlorobenzene	ND	1.4	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 17:54	CMR
2,4,5-Trichlorophenol	ND	1.4	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 17:54	CMR
2,4,6-Trichlorophenol	ND	1.4	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 17:54	CMR
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
2-Fluorophenol	65.2		30-130					7/27/15 17:54	
Phenol-d6	67.8		30-130					7/27/15 17:54	
Nitrobenzene-d5	63.2		30-130					7/27/15 17:54	
2-Fluorobiphenyl	70.4		30-130					7/27/15 17:54	
2,4,6-Tribromophenol	79.7		30-130					7/27/15 17:54	
p-Terphenyl-d14	93.6		30-130					7/27/15 17:54	



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 14:05

Field Sample #: No 6-SP1-9

Sample ID: 15G1139-09

Sample Matrix: Soil

Sample Flags: RL-12

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aldrin [1]	ND	0.11	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 7:25	JMB
alpha-BHC [1]	ND	0.11	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 7:25	JMB
beta-BHC [1]	ND	0.11	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 7:25	JMB
delta-BHC [1]	ND	0.11	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 7:25	JMB
gamma-BHC (Lindane) [1]	ND	0.042	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 7:25	JMB
Chlordane [1]	ND	0.42	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 7:25	JMB
4,4'-DDD [1]	ND	0.084	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 7:25	JMB
4,4'-DDE [1]	ND	0.084	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 7:25	JMB
4,4'-DDT [1]	ND	0.084	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 7:25	JMB
Dieldrin [1]	ND	0.084	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 7:25	JMB
Endosulfan I [1]	ND	0.11	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 7:25	JMB
Endosulfan II [1]	ND	0.17	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 7:25	JMB
Endosulfan sulfate [1]	ND	0.17	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 7:25	JMB
Endrin [1]	ND	0.17	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 7:25	JMB
Endrin ketone [1]	ND	0.17	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 7:25	JMB
Heptachlor [1]	ND	0.11	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 7:25	JMB
Heptachlor epoxide [1]	ND	0.11	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 7:25	JMB
Hexachlorobenzene [1]	ND	0.13	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 7:25	JMB
Methoxychlor [1]	ND	1.1	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 7:25	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	74.7	30-150		7/30/15 7:25
Decachlorobiphenyl [2]	72.6	30-150		7/30/15 7:25
Tetrachloro-m-xylene [1]	77.8	30-150		7/30/15 7:25
Tetrachloro-m-xylene [2]	74.2	30-150		7/30/15 7:25



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 14:05

Field Sample #: No 6-SP1-9

Sample ID: 15G1139-09

Sample Matrix: Soil

Sample Flags: O-32

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 15:34	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 15:34	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 15:34	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 15:34	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 15:34	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 15:34	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 15:34	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 15:34	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 15:34	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	69.3	30-150							7/28/15 15:34
Decachlorobiphenyl [2]	78.6	30-150							7/28/15 15:34
Tetrachloro-m-xylene [1]	71.5	30-150							7/28/15 15:34
Tetrachloro-m-xylene [2]	69.3	30-150							7/28/15 15:34



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 14:05

Field Sample #: No 6-SP1-9

Sample ID: 15G1139-09

Sample Matrix: Soil

Herbicides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-D [1]	ND	26	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 1:44	JMB
2,4-DB [1]	68	26	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 1:44	JMB
2,4,5-TP (Silvex) [1]	ND	2.6	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 1:44	JMB
2,4,5-T [1]	ND	2.6	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 1:44	JMB
Dalapon [1]	ND	65	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 1:44	JMB
Dicamba [1]	ND	2.6	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 1:44	JMB
Dichloroprop [1]	ND	26	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 1:44	JMB
Dinoseb [2]	16	13	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 1:44	JMB
MCPA [1]	ND	2600	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 1:44	JMB
MCPP [1]	ND	2600	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 1:44	JMB
Surrogates		% Recovery	Recovery Limits	Flag/Qual					
2,4-Dichlorophenylacetic acid [1]		93.9	30-150						
2,4-Dichlorophenylacetic acid [2]		107	30-150						



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 14:05

Field Sample #: No 6-SP1-9

Sample ID: 15G1139-09

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diesel Range Organics	2200	440	mg/Kg dry	50		SW-846 8015C	7/23/15	7/24/15 21:27	SCS
Surrogates									
o-Terphenyl	*		40-140			S-01		7/24/15 21:27	



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 14:05

Field Sample #: No 6-SP1-9

Sample ID: 15G1139-09

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	11	2.6	mg/Kg dry	1		SW-846 6010C	7/24/15	7/27/15 16:08	MJH
Barium	40	2.6	mg/Kg dry	1		SW-846 6010C	7/24/15	7/27/15 16:08	MJH
Cadmium	0.55	0.26	mg/Kg dry	1		SW-846 6010C	7/24/15	7/27/15 16:08	MJH
Chromium	13	0.52	mg/Kg dry	1		SW-846 6010C	7/24/15	7/27/15 16:08	MJH
Lead	65	0.78	mg/Kg dry	1		SW-846 6010C	7/24/15	7/27/15 16:08	MJH
Mercury	2.6	0.53	mg/Kg dry	20		SW-846 7471B	7/24/15	7/28/15 11:30	SCB
Selenium	ND	5.2	mg/Kg dry	1		SW-846 6010C	7/24/15	7/27/15 16:08	MJH
Silver	ND	0.52	mg/Kg dry	1		SW-846 6010C	7/24/15	7/27/15 16:08	MJH



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP1-9

Sampled: 7/23/2015 14:05

Sample ID: 15G1139-09

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	19	0.51	mg/Kg dry	1		SW-846 9014	7/27/15	7/28/15 13:50	VAK
Free Liquid	Absent		present/absent	1		SW-846 9095B	7/24/15	7/24/15 8:10	LL
Ignitability	Absent		present/absent	1		SW-846 1030	7/27/15	7/27/15 17:00	AG
pH @22.1°C	8.0		pH Units	1		SW-846 9045C	7/24/15	7/24/15 10:35	MMH
Reactive Cyanide	ND	4.0	mg/Kg	1		SW-846 9014	7/27/15	7/28/15 16:30	AG
Reactive Sulfide	ND	20	mg/Kg	1		SW-846 9030A	7/28/15	7/29/15 11:55	DJM
Specific conductance	23	2.0	µmhos/cm	1		SM21-22 2510B Modified SM 2540G	7/24/15	7/24/15 14:55	MMH
% Solids	94.9		% Wt	1			7/24/15	7/24/15 14:19	MRL



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP1-9

Sampled: 7/23/2015 14:05

Sample ID: 15G1139-09

Sample Matrix: Soil

TCLP - Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.010	0.00079	mg/L	10		SW-846 8260C	7/30/15	7/31/15 8:05	CMR
2-Butanone (MEK)	ND	0.20	0.024	mg/L	10		SW-846 8260C	7/30/15	7/31/15 8:05	CMR
Carbon Tetrachloride	ND	0.050	0.0010	mg/L	10		SW-846 8260C	7/30/15	7/31/15 8:05	CMR
Chlorobenzene	ND	0.010	0.0012	mg/L	10		SW-846 8260C	7/30/15	7/31/15 8:05	CMR
Chloroform	ND	0.020	0.0014	mg/L	10		SW-846 8260C	7/30/15	7/31/15 8:05	CMR
1,4-Dichlorobenzene	0.0044	0.010	0.00046	mg/L	10	J	SW-846 8260C	7/30/15	7/31/15 8:05	CMR
1,2-Dichloroethane	ND	0.010	0.0019	mg/L	10		SW-846 8260C	7/30/15	7/31/15 8:05	CMR
1,1-Dichloroethylene	ND	0.010	0.0021	mg/L	10		SW-846 8260C	7/30/15	7/31/15 8:05	CMR
Tetrachloroethylene	ND	0.010	0.00080	mg/L	10		SW-846 8260C	7/30/15	7/31/15 8:05	CMR
Trichloroethylene	ND	0.010	0.00077	mg/L	10		SW-846 8260C	7/30/15	7/31/15 8:05	CMR
Vinyl Chloride	ND	0.020	0.0013	mg/L	10		SW-846 8260C	7/30/15	7/31/15 8:05	CMR
Surrogates	% Recovery	Recovery Limits			Flag/Qual					
1,2-Dichloroethane-d4	94.0	70-130						7/31/15 8:05		
Toluene-d8	98.8	70-130						7/31/15 8:05		
4-Bromofluorobenzene	95.6	70-130						7/31/15 8:05		



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 14:05

Field Sample #: No 6-SP1-9

Sample ID: 15G1139-09

Sample Matrix: Soil

Miscellaneous Inorganic Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Sulfur	<0.10	0.1	%	1		ASTM D-4239	7/30/15 0:00		SAL

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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP2-1

Sampled: 7/23/2015 14:50

Sample ID: 15G1139-10Sample Matrix: Soil**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	2.4	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:32	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.024	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:32	EEH
Benzene	0.13	0.048	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:32	EEH
Bromobenzene	ND	0.048	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:32	EEH
Bromochloromethane	ND	0.048	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:32	EEH
Bromodichloromethane	ND	0.048	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:32	EEH
Bromoform	ND	0.048	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:32	EEH
Bromomethane	ND	0.24	mg/Kg dry	1	L-04, RL-07, V-05	SW-846 8260C	7/29/15	7/30/15 6:32	EEH
2-Butanone (MEK)	ND	0.96	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:32	EEH
n-Butylbenzene	ND	0.048	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:32	EEH
sec-Butylbenzene	ND	0.048	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:32	EEH
tert-Butylbenzene	ND	0.048	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:32	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.024	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:32	EEH
Carbon Disulfide	ND	0.48	mg/Kg dry	1	RL-07	SW-846 8260C	7/29/15	7/30/15 6:32	EEH
Carbon Tetrachloride	ND	0.048	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:32	EEH
Chlorobenzene	ND	0.048	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:32	EEH
Chlorodibromomethane	ND	0.024	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:32	EEH
Chloroethane	ND	0.096	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:32	EEH
Chloroform	ND	0.096	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:32	EEH
Chloromethane	ND	0.24	mg/Kg dry	1	RL-07, V-05	SW-846 8260C	7/29/15	7/30/15 6:32	EEH
2-Chlorotoluene	ND	0.048	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:32	EEH
4-Chlorotoluene	ND	0.048	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:32	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.19	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:32	EEH
1,2-Dibromoethane (EDB)	ND	0.024	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:32	EEH
Dibromomethane	ND	0.048	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:32	EEH
1,2-Dichlorobenzene	ND	0.048	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:32	EEH
1,3-Dichlorobenzene	ND	0.048	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:32	EEH
1,4-Dichlorobenzene	ND	0.048	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:32	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.096	mg/Kg dry	1	L-04, V-05	SW-846 8260C	7/29/15	7/30/15 6:32	EEH
1,1-Dichloroethane	ND	0.048	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:32	EEH
1,2-Dichloroethane	ND	0.048	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:32	EEH
1,1-Dichloroethylene	ND	0.048	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:32	EEH
cis-1,2-Dichloroethylene	ND	0.048	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:32	EEH
trans-1,2-Dichloroethylene	ND	0.048	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:32	EEH
1,2-Dichloropropane	ND	0.048	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:32	EEH
1,3-Dichloropropane	ND	0.024	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:32	EEH
2,2-Dichloropropane	ND	0.048	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:32	EEH
1,1-Dichloropropene	ND	0.096	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:32	EEH
cis-1,3-Dichloropropene	ND	0.024	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:32	EEH
trans-1,3-Dichloropropene	ND	0.024	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:32	EEH
Diethyl Ether	ND	0.096	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:32	EEH
Diisopropyl Ether (DIPE)	ND	0.024	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:32	EEH
1,4-Dioxane	ND	2.4	mg/Kg dry	1	V-05, V-16	SW-846 8260C	7/29/15	7/30/15 6:32	EEH
Ethylbenzene	0.060	0.048	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:32	EEH



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP2-1

Sampled: 7/23/2015 14:50

Sample ID: 15G1139-10**Sample Matrix:** Soil**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.048	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:32	EEH
2-Hexanone (MBK)	ND	0.48	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:32	EEH
Isopropylbenzene (Cumene)	ND	0.048	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:32	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.048	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:32	EEH
Methyl tert-Butyl Ether (MTBE)	ND	0.048	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:32	EEH
Methylene Chloride	ND	0.48	mg/Kg dry	1	RL-07	SW-846 8260C	7/29/15	7/30/15 6:32	EEH
4-Methyl-2-pentanone (MIBK)	ND	0.48	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:32	EEH
Naphthalene	0.73	0.096	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:32	EEH
n-Propylbenzene	ND	0.048	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:32	EEH
Styrene	ND	0.048	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:32	EEH
1,1,1,2-Tetrachloroethane	ND	0.048	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:32	EEH
1,1,2,2-Tetrachloroethane	ND	0.024	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:32	EEH
Tetrachloroethylene	ND	0.048	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:32	EEH
Tetrahydrofuran	ND	0.19	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:32	EEH
Toluene	0.14	0.048	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:32	EEH
1,2,3-Trichlorobenzene	ND	0.19	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:32	EEH
1,2,4-Trichlorobenzene	ND	0.048	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:32	EEH
1,1,1-Trichloroethane	ND	0.048	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:32	EEH
1,1,2-Trichloroethane	ND	0.048	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:32	EEH
Trichloroethylene	ND	0.048	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:32	EEH
Trichlorofluoromethane (Freon 11)	ND	0.096	mg/Kg dry	1	L-04, V-05	SW-846 8260C	7/29/15	7/30/15 6:32	EEH
1,2,3-Trichloropropane	ND	0.096	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:32	EEH
1,2,4-Trimethylbenzene	ND	0.048	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:32	EEH
1,3,5-Trimethylbenzene	ND	0.24	mg/Kg dry	1	RL-07	SW-846 8260C	7/29/15	7/30/15 6:32	EEH
Vinyl Chloride	ND	0.096	mg/Kg dry	1	V-05	SW-846 8260C	7/29/15	7/30/15 6:32	EEH
m+p Xylene	0.10	0.096	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:32	EEH
o-Xylene	0.048	0.048	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:32	EEH
Surrogates		% Recovery	Recovery Limits	Flag/Qual					
1,2-Dichloroethane-d4		91.8	70-130						
Toluene-d8		98.2	70-130						
4-Bromofluorobenzene		102	70-130						

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP2-1

Sampled: 7/23/2015 14:50

Sample ID: 15G1139-10Sample Matrix: Soil**Semivolatile Organic Compounds by GC/MS**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	3.8	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:22	CMR
Acenaphthylene	6.9	1.8	mg/Kg dry	10		SW-846 8270D	7/23/15	7/28/15 14:47	CMR
Acetophenone	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:22	CMR
Aniline	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:22	CMR
Anthracene	7.8	1.8	mg/Kg dry	10		SW-846 8270D	7/23/15	7/28/15 14:47	CMR
Benzo(a)anthracene	13	1.8	mg/Kg dry	10		SW-846 8270D	7/23/15	7/28/15 14:47	CMR
Benzo(a)pyrene	14	1.8	mg/Kg dry	10		SW-846 8270D	7/23/15	7/28/15 14:47	CMR
Benzo(b)fluoranthene	16	1.8	mg/Kg dry	10		SW-846 8270D	7/23/15	7/28/15 14:47	CMR
Benzo(g,h,i)perylene	8.0	1.8	mg/Kg dry	10		SW-846 8270D	7/23/15	7/28/15 14:47	CMR
Benzo(k)fluoranthene	5.3	1.8	mg/Kg dry	10		SW-846 8270D	7/23/15	7/28/15 14:47	CMR
Bis(2-chloroethoxy)methane	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:22	CMR
Bis(2-chloroethyl)ether	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:22	CMR
Bis(2-chloroisopropyl)ether	ND	0.36	mg/Kg dry	1	V-20	SW-846 8270D	7/23/15	7/27/15 18:22	CMR
Bis(2-Ethylhexyl)phthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:22	CMR
4-Bromophenylphenylether	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:22	CMR
Butylbenzylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:22	CMR
4-Chloroaniline	ND	0.70	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:22	CMR
2-Chloronaphthalene	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:22	CMR
2-Chlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:22	CMR
Chrysene	13	1.8	mg/Kg dry	10		SW-846 8270D	7/23/15	7/28/15 14:47	CMR
Dibenz(a,h)anthracene	1.8	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:22	CMR
Dibenzofuran	1.4	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:22	CMR
Di-n-butylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:22	CMR
1,2-Dichlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:22	CMR
1,3-Dichlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:22	CMR
1,4-Dichlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:22	CMR
3,3-Dichlorobenzidine	ND	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:22	CMR
2,4-Dichlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:22	CMR
Diethylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:22	CMR
2,4-Dimethylphenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:22	CMR
Dimethylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:22	CMR
2,4-Dinitrophenol	ND	0.70	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:22	CMR
2,4-Dinitrotoluene	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:22	CMR
2,6-Dinitrotoluene	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:22	CMR
Di-n-octylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:22	CMR
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:22	CMR
Fluoranthene	26	1.8	mg/Kg dry	10		SW-846 8270D	7/23/15	7/28/15 14:47	CMR
Fluorene	0.85	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:22	CMR
Hexachlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:22	CMR
Hexachlorobutadiene	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:22	CMR
Hexachloroethane	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:22	CMR
Indeno(1,2,3-cd)pyrene	8.8	1.8	mg/Kg dry	10		SW-846 8270D	7/23/15	7/28/15 14:47	CMR
Isophorone	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:22	CMR
2-Methylnaphthalene	8.1	1.8	mg/Kg dry	10		SW-846 8270D	7/23/15	7/28/15 14:47	CMR



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 14:50

Field Sample #: No 6-SP2-1

Sample ID: 15G1139-10

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:22	CMR
3/4-Methylphenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:22	CMR
Naphthalene	7.2	1.8	mg/Kg dry	10		SW-846 8270D	7/23/15	7/28/15 14:47	CMR
Nitrobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:22	CMR
2-Nitrophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:22	CMR
4-Nitrophenol	ND	0.70	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:22	CMR
Pentachlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:22	CMR
Phenanthrene	28	1.8	mg/Kg dry	10		SW-846 8270D	7/23/15	7/28/15 14:47	CMR
Phenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:22	CMR
Pyrene	26	1.8	mg/Kg dry	10		SW-846 8270D	7/23/15	7/28/15 14:47	CMR
1,2,4-Trichlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:22	CMR
2,4,5-Trichlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:22	CMR
2,4,6-Trichlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:22	CMR
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
2-Fluorophenol	57.8	30-130						7/27/15 18:22	
Phenol-d6	58.4	30-130						7/27/15 18:22	
Nitrobenzene-d5	59.1	30-130						7/27/15 18:22	
2-Fluorobiphenyl	60.0	30-130						7/27/15 18:22	
2,4,6-Tribromophenol	70.7	30-130						7/27/15 18:22	
p-Terphenyl-d14	75.8	30-130						7/27/15 18:22	



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP2-1

Sampled: 7/23/2015 14:50

Sample ID: 15G1139-10Sample Matrix: Soil

Sample Flags: RL-12

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aldrin [1]	ND	0.10	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 8:12	JMB
alpha-BHC [1]	ND	0.10	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 8:12	JMB
beta-BHC [1]	ND	0.10	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 8:12	JMB
delta-BHC [1]	ND	0.10	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 8:12	JMB
gamma-BHC (Lindane) [1]	ND	0.041	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 8:12	JMB
Chlordane [1]	ND	0.41	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 8:12	JMB
4,4'-DDD [1]	ND	0.082	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 8:12	JMB
4,4'-DDE [1]	ND	0.082	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 8:12	JMB
4,4'-DDT [1]	ND	0.082	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 8:12	JMB
Dieldrin [1]	ND	0.082	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 8:12	JMB
Endosulfan I [1]	ND	0.10	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 8:12	JMB
Endosulfan II [1]	ND	0.16	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 8:12	JMB
Endosulfan sulfate [1]	ND	0.16	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 8:12	JMB
Endrin [1]	ND	0.16	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 8:12	JMB
Endrin ketone [1]	ND	0.16	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 8:12	JMB
Heptachlor [1]	ND	0.10	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 8:12	JMB
Heptachlor epoxide [1]	ND	0.10	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 8:12	JMB
Hexachlorobenzene [1]	ND	0.12	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 8:12	JMB
Methoxychlor [1]	ND	1.0	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 8:12	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	71.4	30-150		7/30/15 8:12
Decachlorobiphenyl [2]	115	30-150		7/30/15 8:12
Tetrachloro-m-xylene [1]	69.0	30-150		7/30/15 8:12
Tetrachloro-m-xylene [2]	70.8	30-150		7/30/15 8:12



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 14:50

Field Sample #: No 6-SP2-1

Sample ID: 15G1139-10

Sample Matrix: Soil

Sample Flags: O-32

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 15:52	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 15:52	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 15:52	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 15:52	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 15:52	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 15:52	KAL
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 15:52	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 15:52	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 15:52	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	74.9	30-150							7/28/15 15:52
Decachlorobiphenyl [2]	82.9	30-150							7/28/15 15:52
Tetrachloro-m-xylene [1]	77.0	30-150							7/28/15 15:52
Tetrachloro-m-xylene [2]	75.4	30-150							7/28/15 15:52



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 14:50

Field Sample #: No 6-SP2-1

Sample ID: 15G1139-10

Sample Matrix: Soil

Herbicides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-D [1]	ND	26	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 2:22	JMB
2,4-DB [1]	110	26	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 2:22	JMB
2,4,5-TP (Silvex) [1]	ND	2.6	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 2:22	JMB
2,4,5-T [1]	ND	2.6	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 2:22	JMB
Dalapon [1]	ND	66	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 2:22	JMB
Dicamba [1]	ND	2.6	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 2:22	JMB
Dichloroprop [1]	ND	26	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 2:22	JMB
Dinoseb [1]	ND	13	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 2:22	JMB
MCPA [1]	ND	2600	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 2:22	JMB
MCPP [1]	ND	2600	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 2:22	JMB
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
2,4-Dichlorophenylacetic acid [1]	115	30-150					7/28/15 2:22		
2,4-Dichlorophenylacetic acid [2]	118	30-150					7/28/15 2:22		



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 14:50

Field Sample #: No 6-SP2-1

Sample ID: 15G1139-10

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diesel Range Organics	4700	440	mg/Kg dry	50		SW-846 8015C	7/23/15	7/24/15 21:45	SCS
Surrogates									
o-Terphenyl	*		40-140			S-01		7/24/15 21:45	



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP2-1

Sampled: 7/23/2015 14:50

Sample ID: 15G1139-10

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	13	2.7	mg/Kg dry	1		SW-846 6010C	7/24/15	7/27/15 16:12	MJH
Barium	36	2.7	mg/Kg dry	1		SW-846 6010C	7/24/15	7/27/15 16:12	MJH
Cadmium	0.55	0.27	mg/Kg dry	1		SW-846 6010C	7/24/15	7/27/15 16:12	MJH
Chromium	14	0.53	mg/Kg dry	1		SW-846 6010C	7/24/15	7/27/15 16:12	MJH
Lead	71	0.80	mg/Kg dry	1		SW-846 6010C	7/24/15	7/27/15 16:12	MJH
Mercury	1.5	0.13	mg/Kg dry	5		SW-846 7471B	7/24/15	7/28/15 11:13	SCB
Selenium	ND	5.3	mg/Kg dry	1		SW-846 6010C	7/24/15	7/27/15 16:12	MJH
Silver	ND	0.53	mg/Kg dry	1		SW-846 6010C	7/24/15	7/27/15 16:12	MJH



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 14:50

Field Sample #: No 6-SP2-1

Sample ID: 15G1139-10

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	36	2.0	mg/Kg dry	5		SW-846 9014	7/27/15	7/28/15 13:50	VAK
Free Liquid	Absent		present/absent	1		SW-846 9095B	7/24/15	7/24/15 8:10	LL
Ignitability	Absent		present/absent	1		SW-846 1030	7/27/15	7/27/15 17:00	AG
pH @24.7°C	8.8		pH Units	1		SW-846 9045C	7/24/15	7/24/15 10:35	MMH
Reactive Cyanide	ND	3.9	mg/Kg	1		SW-846 9014	7/27/15	7/28/15 16:30	AG
Reactive Sulfide	ND	20	mg/Kg	1		SW-846 9030A	7/28/15	7/29/15 11:55	DJM
Specific conductance	26	2.0	µmhos/cm	1		SM21-22 2510B Modified SM 2540G	7/24/15	7/24/15 14:55	MMH
% Solids	93.8		% Wt	1			7/24/15	7/24/15 14:19	MRL



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 14:50

Field Sample #: No 6-SP2-1

Sample ID: 15G1139-10

Sample Matrix: Soil

TCLP - Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.010	0.00079	mg/L	10		SW-846 8260C	7/30/15	7/31/15 8:36	CMR
2-Butanone (MEK)	ND	0.20	0.024	mg/L	10		SW-846 8260C	7/30/15	7/31/15 8:36	CMR
Carbon Tetrachloride	ND	0.050	0.0010	mg/L	10		SW-846 8260C	7/30/15	7/31/15 8:36	CMR
Chlorobenzene	ND	0.010	0.0012	mg/L	10		SW-846 8260C	7/30/15	7/31/15 8:36	CMR
Chloroform	ND	0.020	0.0014	mg/L	10		SW-846 8260C	7/30/15	7/31/15 8:36	CMR
1,4-Dichlorobenzene	ND	0.010	0.00046	mg/L	10		SW-846 8260C	7/30/15	7/31/15 8:36	CMR
1,2-Dichloroethane	ND	0.010	0.0019	mg/L	10		SW-846 8260C	7/30/15	7/31/15 8:36	CMR
1,1-Dichloroethylene	ND	0.010	0.0021	mg/L	10		SW-846 8260C	7/30/15	7/31/15 8:36	CMR
Tetrachloroethylene	ND	0.010	0.00080	mg/L	10		SW-846 8260C	7/30/15	7/31/15 8:36	CMR
Trichloroethylene	ND	0.010	0.00077	mg/L	10		SW-846 8260C	7/30/15	7/31/15 8:36	CMR
Vinyl Chloride	ND	0.020	0.0013	mg/L	10		SW-846 8260C	7/30/15	7/31/15 8:36	CMR
Surrogates	% Recovery	Recovery Limits			Flag/Qual					
1,2-Dichloroethane-d4	94.2	70-130						7/31/15 8:36		
Toluene-d8	99.1	70-130						7/31/15 8:36		
4-Bromofluorobenzene	98.0	70-130						7/31/15 8:36		



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 14:50

Field Sample #: No 6-SP2-1

Sample ID: 15G1139-10

Sample Matrix: Soil

Miscellaneous Inorganic Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Sulfur	0.13	0.1	%	1		ASTM D-4239	7/30/15 0:00		SAL

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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP2-2

Sampled: 7/23/2015 15:00

Sample ID: 15G1139-11Sample Matrix: Soil

Sample Flags: RL-05

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	36	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 10:48	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.36	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 10:48	EEH
Benzene	ND	0.73	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 10:48	EEH
Bromobenzene	ND	0.73	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 10:48	EEH
Bromochloromethane	ND	0.73	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 10:48	EEH
Bromodichloromethane	ND	0.73	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 10:48	EEH
Bromoform	ND	0.73	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 10:48	EEH
Bromomethane	ND	3.6	mg/Kg dry	20	L-04, V-05	SW-846 8260C	7/24/15	7/26/15 10:48	EEH
2-Butanone (MEK)	ND	15	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 10:48	EEH
n-Butylbenzene	ND	0.73	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 10:48	EEH
sec-Butylbenzene	ND	0.73	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 10:48	EEH
tert-Butylbenzene	ND	0.73	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 10:48	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.36	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 10:48	EEH
Carbon Disulfide	ND	7.3	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 10:48	EEH
Carbon Tetrachloride	ND	0.73	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 10:48	EEH
Chlorobenzene	ND	0.73	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 10:48	EEH
Chlorodibromomethane	ND	0.36	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 10:48	EEH
Chloroethane	ND	1.5	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 10:48	EEH
Chloroform	ND	1.5	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 10:48	EEH
Chloromethane	ND	3.6	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 10:48	EEH
2-Chlorotoluene	ND	0.73	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 10:48	EEH
4-Chlorotoluene	ND	0.73	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 10:48	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.9	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 10:48	EEH
1,2-Dibromoethane (EDB)	ND	0.36	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 10:48	EEH
Dibromomethane	ND	0.73	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 10:48	EEH
1,2-Dichlorobenzene	ND	0.73	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 10:48	EEH
1,3-Dichlorobenzene	ND	0.73	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 10:48	EEH
1,4-Dichlorobenzene	ND	0.73	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 10:48	EEH
Dichlorodifluoromethane (Freon 12)	ND	1.5	mg/Kg dry	20	L-04, V-05	SW-846 8260C	7/24/15	7/26/15 10:48	EEH
1,1-Dichloroethane	ND	0.73	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 10:48	EEH
1,2-Dichloroethane	ND	0.73	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 10:48	EEH
1,1-Dichloroethylene	ND	0.73	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 10:48	EEH
cis-1,2-Dichloroethylene	ND	0.73	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 10:48	EEH
trans-1,2-Dichloroethylene	ND	0.73	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 10:48	EEH
1,2-Dichloropropane	ND	0.73	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 10:48	EEH
1,3-Dichloropropane	ND	0.36	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 10:48	EEH
2,2-Dichloropropane	ND	0.73	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 10:48	EEH
1,1-Dichloropropene	ND	1.5	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 10:48	EEH
cis-1,3-Dichloropropene	ND	0.36	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 10:48	EEH
trans-1,3-Dichloropropene	ND	0.36	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 10:48	EEH
Diethyl Ether	ND	1.5	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 10:48	EEH
Diisopropyl Ether (DIPE)	ND	0.36	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 10:48	EEH
1,4-Dioxane	ND	36	mg/Kg dry	20	R-05, V-16	SW-846 8260C	7/24/15	7/26/15 10:48	EEH
Ethylbenzene	ND	0.73	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 10:48	EEH



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP2-2

Sampled: 7/23/2015 15:00

Sample ID: 15G1139-11Sample Matrix: Soil

Sample Flags: RL-05

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.73	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 10:48	EEH
2-Hexanone (MBK)	ND	7.3	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 10:48	EEH
Isopropylbenzene (Cumene)	ND	0.73	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 10:48	EEH
p-Isopropyltoluene (p-Cymene)	0.95	0.73	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 10:48	EEH
Methyl tert-Butyl Ether (MTBE)	ND	0.73	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 10:48	EEH
Methylene Chloride	ND	7.3	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 10:48	EEH
4-Methyl-2-pentanone (MIBK)	ND	7.3	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 10:48	EEH
Naphthalene	65	1.5	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 10:48	EEH
n-Propylbenzene	ND	0.73	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 10:48	EEH
Styrene	ND	0.73	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 10:48	EEH
1,1,1,2-Tetrachloroethane	ND	0.73	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 10:48	EEH
1,1,2,2-Tetrachloroethane	ND	0.36	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 10:48	EEH
Tetrachloroethylene	ND	0.73	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 10:48	EEH
Tetrahydrofuran	ND	2.9	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 10:48	EEH
Toluene	ND	0.73	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 10:48	EEH
1,2,3-Trichlorobenzene	ND	2.9	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 10:48	EEH
1,2,4-Trichlorobenzene	ND	0.73	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 10:48	EEH
1,1,1-Trichloroethane	ND	0.73	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 10:48	EEH
1,1,2-Trichloroethane	ND	0.73	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 10:48	EEH
Trichloroethylene	ND	0.73	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 10:48	EEH
Trichlorofluoromethane (Freon 11)	ND	1.5	mg/Kg dry	20	L-04, V-05	SW-846 8260C	7/24/15	7/26/15 10:48	EEH
1,2,3-Trichloropropane	ND	1.5	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 10:48	EEH
1,2,4-Trimethylbenzene	5.3	0.73	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 10:48	EEH
1,3,5-Trimethylbenzene	5.2	3.6	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 10:48	EEH
Vinyl Chloride	ND	1.5	mg/Kg dry	20	V-05	SW-846 8260C	7/24/15	7/26/15 10:48	EEH
m+p Xylene	2.9	1.5	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 10:48	EEH
o-Xylene	5.3	0.73	mg/Kg dry	20		SW-846 8260C	7/24/15	7/26/15 10:48	EEH
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	86.9	70-130							7/26/15 10:48
Toluene-d8	98.4	70-130							7/26/15 10:48
4-Bromofluorobenzene	99.8	70-130							7/26/15 10:48

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP2-2

Sampled: 7/23/2015 15:00

Sample ID: 15G1139-11Sample Matrix: Soil**Semivolatile Organic Compounds by GC/MS**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	7.6	0.91	mg/Kg dry	5		SW-846 8270D	7/23/15	7/28/15 15:14	CMR
Acenaphthylene	4.1	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:49	CMR
Acetophenone	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:49	CMR
Aniline	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:49	CMR
Anthracene	4.0	0.91	mg/Kg dry	5		SW-846 8270D	7/23/15	7/28/15 15:14	CMR
Benzo(a)anthracene	6.8	0.91	mg/Kg dry	5		SW-846 8270D	7/23/15	7/28/15 15:14	CMR
Benzo(a)pyrene	6.3	0.91	mg/Kg dry	5		SW-846 8270D	7/23/15	7/28/15 15:14	CMR
Benzo(b)fluoranthene	7.6	0.91	mg/Kg dry	5		SW-846 8270D	7/23/15	7/28/15 15:14	CMR
Benzo(g,h,i)perylene	3.9	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:49	CMR
Benzo(k)fluoranthene	2.8	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:49	CMR
Bis(2-chloroethoxy)methane	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:49	CMR
Bis(2-chloroethyl)ether	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:49	CMR
Bis(2-chloroisopropyl)ether	ND	0.36	mg/Kg dry	1	V-20	SW-846 8270D	7/23/15	7/27/15 18:49	CMR
Bis(2-Ethylhexyl)phthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:49	CMR
4-Bromophenylphenylether	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:49	CMR
Butylbenzylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:49	CMR
4-Chloroaniline	ND	0.71	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:49	CMR
2-Chloronaphthalene	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:49	CMR
2-Chlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:49	CMR
Chrysene	6.7	0.91	mg/Kg dry	5		SW-846 8270D	7/23/15	7/28/15 15:14	CMR
Dibenz(a,h)anthracene	0.92	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:49	CMR
Dibenzofuran	4.2	1.8	mg/Kg dry	5		SW-846 8270D	7/23/15	7/28/15 15:14	CMR
Di-n-butylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:49	CMR
1,2-Dichlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:49	CMR
1,3-Dichlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:49	CMR
1,4-Dichlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:49	CMR
3,3-Dichlorobenzidine	ND	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:49	CMR
2,4-Dichlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:49	CMR
Diethylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:49	CMR
2,4-Dimethylphenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:49	CMR
Dimethylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:49	CMR
2,4-Dinitrophenol	ND	0.71	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:49	CMR
2,4-Dinitrotoluene	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:49	CMR
2,6-Dinitrotoluene	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:49	CMR
Di-n-octylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:49	CMR
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:49	CMR
Fluoranthene	17	0.91	mg/Kg dry	5		SW-846 8270D	7/23/15	7/28/15 15:14	CMR
Fluorene	6.4	0.91	mg/Kg dry	5		SW-846 8270D	7/23/15	7/28/15 15:14	CMR
Hexachlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:49	CMR
Hexachlorobutadiene	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:49	CMR
Hexachloroethane	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:49	CMR
Indeno(1,2,3-cd)pyrene	4.2	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:49	CMR
Isophorone	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:49	CMR
2-Methylnaphthalene	15	0.91	mg/Kg dry	5		SW-846 8270D	7/23/15	7/28/15 15:14	CMR



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 15:00

Field Sample #: No 6-SP2-2

Sample ID: 15G1139-11

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:49	CMR
3/4-Methylphenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:49	CMR
Naphthalene	4.8	0.91	mg/Kg dry	5		SW-846 8270D	7/23/15	7/28/15 15:14	CMR
Nitrobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:49	CMR
2-Nitrophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:49	CMR
4-Nitrophenol	ND	0.71	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:49	CMR
Pentachlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:49	CMR
Phenanthrrene	17	0.91	mg/Kg dry	5		SW-846 8270D	7/23/15	7/28/15 15:14	CMR
Phenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:49	CMR
Pyrene	15	0.91	mg/Kg dry	5		SW-846 8270D	7/23/15	7/28/15 15:14	CMR
1,2,4-Trichlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:49	CMR
2,4,5-Trichlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:49	CMR
2,4,6-Trichlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 18:49	CMR
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
2-Fluorophenol	50.0	30-130						7/27/15 18:49	
Phenol-d6	49.9	30-130						7/27/15 18:49	
Nitrobenzene-d5	50.0	30-130						7/27/15 18:49	
2-Fluorobiphenyl	52.4	30-130						7/27/15 18:49	
2,4,6-Tribromophenol	62.4	30-130						7/27/15 18:49	
p-Terphenyl-d14	59.8	30-130						7/27/15 18:49	



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP2-2

Sampled: 7/23/2015 15:00

Sample ID: 15G1139-11Sample Matrix: Soil

Sample Flags: RL-12

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aldrin [1]	ND	0.10	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 8:34	JMB
alpha-BHC [1]	ND	0.10	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 8:34	JMB
beta-BHC [1]	ND	0.10	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 8:34	JMB
delta-BHC [1]	ND	0.10	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 8:34	JMB
gamma-BHC (Lindane) [1]	ND	0.042	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 8:34	JMB
Chlordane [1]	ND	0.42	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 8:34	JMB
4,4'-DDD [1]	ND	0.083	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 8:34	JMB
4,4'-DDE [1]	ND	0.083	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 8:34	JMB
4,4'-DDT [1]	ND	0.083	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 8:34	JMB
Dieldrin [1]	ND	0.083	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 8:34	JMB
Endosulfan I [1]	ND	0.10	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 8:34	JMB
Endosulfan II [1]	ND	0.17	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 8:34	JMB
Endosulfan sulfate [1]	ND	0.17	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 8:34	JMB
Endrin [1]	ND	0.17	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 8:34	JMB
Endrin ketone [1]	ND	0.17	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 8:34	JMB
Heptachlor [1]	ND	0.10	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 8:34	JMB
Heptachlor epoxide [1]	ND	0.10	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 8:34	JMB
Hexachlorobenzene [1]	ND	0.12	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 8:34	JMB
Methoxychlor [1]	ND	1.0	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 8:34	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	71.5	30-150		7/30/15 8:34
Decachlorobiphenyl [2]	162 *	30-150	S-02	7/30/15 8:34
Tetrachloro-m-xylene [1]	84.7	30-150		7/30/15 8:34
Tetrachloro-m-xylene [2]	74.2	30-150		7/30/15 8:34



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 15:00

Field Sample #: No 6-SP2-2

Sample ID: 15G1139-11

Sample Matrix: Soil

Sample Flags: O-32

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/15	7/29/15 19:09	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/15	7/29/15 19:09	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/15	7/29/15 19:09	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/15	7/29/15 19:09	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/15	7/29/15 19:09	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/15	7/29/15 19:09	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/15	7/29/15 19:09	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/15	7/29/15 19:09	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/15	7/29/15 19:09	JMB
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	66.8	30-150							7/29/15 19:09
Decachlorobiphenyl [2]	62.4	30-150							7/29/15 19:09
Tetrachloro-m-xylene [1]	56.8	30-150							7/29/15 19:09
Tetrachloro-m-xylene [2]	54.6	30-150							7/29/15 19:09



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 15:00

Field Sample #: No 6-SP2-2

Sample ID: 15G1139-11

Sample Matrix: Soil

Herbicides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-D [1]	ND	27	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 6:12	JMB
2,4-DB [1]	ND	27	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 6:12	JMB
2,4,5-TP (Silvex) [1]	ND	2.7	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 6:12	JMB
2,4,5-T [1]	3.4	2.7	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 6:12	JMB
Dalapon [1]	ND	66	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 6:12	JMB
Dicamba [1]	ND	2.7	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 6:12	JMB
Dichloroprop [1]	ND	27	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 6:12	JMB
Dinoseb [1]	16	13	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 6:12	JMB
MCPA [1]	ND	2700	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 6:12	JMB
MCPP [1]	ND	2700	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 6:12	JMB
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
2,4-Dichlorophenylacetic acid [1]	117	30-150					7/28/15 6:12		
2,4-Dichlorophenylacetic acid [2]	110	30-150					7/28/15 6:12		



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 15:00

Field Sample #: No 6-SP2-2

Sample ID: 15G1139-11

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diesel Range Organics	8000	450	mg/Kg dry	50		SW-846 8015C	7/23/15	7/24/15 21:45	SCS
Surrogates									
o-Terphenyl	*		40-140		S-01			7/24/15 21:45	



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP2-2

Sampled: 7/23/2015 15:00

Sample ID: 15G1139-11

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	13	2.7	mg/Kg dry	1		SW-846 6010C	7/24/15	7/27/15 16:17	MJH
Barium	35	2.7	mg/Kg dry	1		SW-846 6010C	7/24/15	7/27/15 16:17	MJH
Cadmium	0.47	0.27	mg/Kg dry	1		SW-846 6010C	7/24/15	7/27/15 16:17	MJH
Chromium	14	0.54	mg/Kg dry	1		SW-846 6010C	7/24/15	7/27/15 16:17	MJH
Lead	14	0.80	mg/Kg dry	1		SW-846 6010C	7/24/15	7/27/15 16:17	MJH
Mercury	0.072	0.027	mg/Kg dry	1		SW-846 7471B	7/24/15	7/28/15 11:15	SCB
Selenium	ND	5.4	mg/Kg dry	1		SW-846 6010C	7/24/15	7/27/15 16:17	MJH
Silver	ND	0.54	mg/Kg dry	1		SW-846 6010C	7/24/15	7/27/15 16:17	MJH



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP2-2

Sampled: 7/23/2015 15:00

Sample ID: 15G1139-11

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	42	2.2	mg/Kg dry	5		SW-846 9014	7/27/15	7/28/15 13:50	VAK
Free Liquid	Absent		present/absent	1		SW-846 9095B	7/24/15	7/24/15 8:10	LL
Ignitability	Absent		present/absent	1		SW-846 1030	7/27/15	7/27/15 17:00	AG
pH @22.8°C	5.4		pH Units	1		SW-846 9045C	7/24/15	7/24/15 10:35	MMH
Reactive Cyanide	ND	4.0	mg/Kg	1		SW-846 9014	7/27/15	7/28/15 16:30	AG
Reactive Sulfide	ND	20	mg/Kg	1		SW-846 9030A	7/28/15	7/29/15 11:55	DJM
Specific conductance	29	2.0	µmhos/cm	1		SM21-22 2510B Modified SM 2540G	7/24/15	7/24/15 14:55	MMH
% Solids	93.4		% Wt	1			7/24/15	7/24/15 14:19	MRL



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP2-2

Sampled: 7/23/2015 15:00

Sample ID: 15G1139-11

Sample Matrix: Soil

TCLP - Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.010	0.00079	mg/L	10		SW-846 8260C	7/30/15	7/31/15 11:41	CMR
2-Butanone (MEK)	ND	0.20	0.024	mg/L	10		SW-846 8260C	7/30/15	7/31/15 11:41	CMR
Carbon Tetrachloride	ND	0.050	0.0010	mg/L	10		SW-846 8260C	7/30/15	7/31/15 11:41	CMR
Chlorobenzene	ND	0.010	0.0012	mg/L	10		SW-846 8260C	7/30/15	7/31/15 11:41	CMR
Chloroform	ND	0.020	0.0014	mg/L	10		SW-846 8260C	7/30/15	7/31/15 11:41	CMR
1,4-Dichlorobenzene	ND	0.010	0.00046	mg/L	10		SW-846 8260C	7/30/15	7/31/15 11:41	CMR
1,2-Dichloroethane	ND	0.010	0.0019	mg/L	10		SW-846 8260C	7/30/15	7/31/15 11:41	CMR
1,1-Dichloroethylene	ND	0.010	0.0021	mg/L	10		SW-846 8260C	7/30/15	7/31/15 11:41	CMR
Tetrachloroethylene	ND	0.010	0.00080	mg/L	10		SW-846 8260C	7/30/15	7/31/15 11:41	CMR
Trichloroethylene	ND	0.010	0.00077	mg/L	10		SW-846 8260C	7/30/15	7/31/15 11:41	CMR
Vinyl Chloride	ND	0.020	0.0013	mg/L	10		SW-846 8260C	7/30/15	7/31/15 11:41	CMR
Surrogates		% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4		95.1	70-130							
Toluene-d8		98.8	70-130							
4-Bromofluorobenzene		99.2	70-130							



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 15:00

Field Sample #: No 6-SP2-2

Sample ID: 15G1139-11

Sample Matrix: Soil

Miscellaneous Inorganic Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Sulfur	<0.10	0.1	%	1		ASTM D-4239	7/30/15 0:00		SAL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP2-3

Sampled: 7/23/2015 15:15

Sample ID: 15G1139-12Sample Matrix: Soil

Sample Flags: RL-05

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	4.3	mg/Kg dry	2		SW-846 8260C	7/29/15	7/30/15 8:19	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.043	mg/Kg dry	2		SW-846 8260C	7/29/15	7/30/15 8:19	EEH
Benzene	0.12	0.087	mg/Kg dry	2		SW-846 8260C	7/29/15	7/30/15 8:19	EEH
Bromobenzene	ND	0.087	mg/Kg dry	2		SW-846 8260C	7/29/15	7/30/15 8:19	EEH
Bromochloromethane	ND	0.087	mg/Kg dry	2		SW-846 8260C	7/29/15	7/30/15 8:19	EEH
Bromodichloromethane	ND	0.087	mg/Kg dry	2		SW-846 8260C	7/29/15	7/30/15 8:19	EEH
Bromoform	ND	0.087	mg/Kg dry	2		SW-846 8260C	7/29/15	7/30/15 8:19	EEH
Bromomethane	ND	0.43	mg/Kg dry	2	L-04, V-05	SW-846 8260C	7/29/15	7/30/15 8:19	EEH
2-Butanone (MEK)	ND	1.7	mg/Kg dry	2		SW-846 8260C	7/29/15	7/30/15 8:19	EEH
n-Butylbenzene	ND	0.087	mg/Kg dry	2		SW-846 8260C	7/29/15	7/30/15 8:19	EEH
sec-Butylbenzene	ND	0.087	mg/Kg dry	2		SW-846 8260C	7/29/15	7/30/15 8:19	EEH
tert-Butylbenzene	ND	0.087	mg/Kg dry	2		SW-846 8260C	7/29/15	7/30/15 8:19	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.043	mg/Kg dry	2		SW-846 8260C	7/29/15	7/30/15 8:19	EEH
Carbon Disulfide	ND	0.87	mg/Kg dry	2		SW-846 8260C	7/29/15	7/30/15 8:19	EEH
Carbon Tetrachloride	ND	0.087	mg/Kg dry	2		SW-846 8260C	7/29/15	7/30/15 8:19	EEH
Chlorobenzene	0.37	0.087	mg/Kg dry	2		SW-846 8260C	7/29/15	7/30/15 8:19	EEH
Chlorodibromomethane	ND	0.043	mg/Kg dry	2		SW-846 8260C	7/29/15	7/30/15 8:19	EEH
Chloroethane	ND	0.17	mg/Kg dry	2		SW-846 8260C	7/29/15	7/30/15 8:19	EEH
Chloroform	ND	0.17	mg/Kg dry	2		SW-846 8260C	7/29/15	7/30/15 8:19	EEH
Chloromethane	ND	0.43	mg/Kg dry	2	V-05	SW-846 8260C	7/29/15	7/30/15 8:19	EEH
2-Chlorotoluene	ND	0.087	mg/Kg dry	2		SW-846 8260C	7/29/15	7/30/15 8:19	EEH
4-Chlorotoluene	ND	0.087	mg/Kg dry	2		SW-846 8260C	7/29/15	7/30/15 8:19	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.35	mg/Kg dry	2		SW-846 8260C	7/29/15	7/30/15 8:19	EEH
1,2-Dibromoethane (EDB)	ND	0.043	mg/Kg dry	2		SW-846 8260C	7/29/15	7/30/15 8:19	EEH
Dibromomethane	ND	0.087	mg/Kg dry	2		SW-846 8260C	7/29/15	7/30/15 8:19	EEH
1,2-Dichlorobenzene	0.37	0.087	mg/Kg dry	2		SW-846 8260C	7/29/15	7/30/15 8:19	EEH
1,3-Dichlorobenzene	0.66	0.087	mg/Kg dry	2		SW-846 8260C	7/29/15	7/30/15 8:19	EEH
1,4-Dichlorobenzene	0.73	0.087	mg/Kg dry	2		SW-846 8260C	7/29/15	7/30/15 8:19	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.17	mg/Kg dry	2	L-04, V-05	SW-846 8260C	7/29/15	7/30/15 8:19	EEH
1,1-Dichloroethane	ND	0.087	mg/Kg dry	2		SW-846 8260C	7/29/15	7/30/15 8:19	EEH
1,2-Dichloroethane	ND	0.087	mg/Kg dry	2		SW-846 8260C	7/29/15	7/30/15 8:19	EEH
1,1-Dichloroethylene	ND	0.087	mg/Kg dry	2		SW-846 8260C	7/29/15	7/30/15 8:19	EEH
cis-1,2-Dichloroethylene	ND	0.087	mg/Kg dry	2		SW-846 8260C	7/29/15	7/30/15 8:19	EEH
trans-1,2-Dichloroethylene	ND	0.087	mg/Kg dry	2		SW-846 8260C	7/29/15	7/30/15 8:19	EEH
1,2-Dichloropropane	ND	0.087	mg/Kg dry	2		SW-846 8260C	7/29/15	7/30/15 8:19	EEH
1,3-Dichloropropane	ND	0.043	mg/Kg dry	2		SW-846 8260C	7/29/15	7/30/15 8:19	EEH
2,2-Dichloropropane	ND	0.087	mg/Kg dry	2		SW-846 8260C	7/29/15	7/30/15 8:19	EEH
1,1-Dichloropropene	ND	0.17	mg/Kg dry	2		SW-846 8260C	7/29/15	7/30/15 8:19	EEH
cis-1,3-Dichloropropene	ND	0.043	mg/Kg dry	2		SW-846 8260C	7/29/15	7/30/15 8:19	EEH
trans-1,3-Dichloropropene	ND	0.043	mg/Kg dry	2		SW-846 8260C	7/29/15	7/30/15 8:19	EEH
Diethyl Ether	ND	0.17	mg/Kg dry	2		SW-846 8260C	7/29/15	7/30/15 8:19	EEH
Diisopropyl Ether (DIPE)	ND	0.043	mg/Kg dry	2		SW-846 8260C	7/29/15	7/30/15 8:19	EEH
1,4-Dioxane	ND	4.3	mg/Kg dry	2	V-05, V-16	SW-846 8260C	7/29/15	7/30/15 8:19	EEH
Ethylbenzene	0.13	0.087	mg/Kg dry	2		SW-846 8260C	7/29/15	7/30/15 8:19	EEH



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP2-3

Sampled: 7/23/2015 15:15

Sample ID: 15G1139-12Sample Matrix: Soil

Sample Flags: RL-05

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.087	mg/Kg dry	2		SW-846 8260C	7/29/15	7/30/15 8:19	EEH
2-Hexanone (MBK)	ND	0.87	mg/Kg dry	2		SW-846 8260C	7/29/15	7/30/15 8:19	EEH
Isopropylbenzene (Cumene)	ND	0.087	mg/Kg dry	2		SW-846 8260C	7/29/15	7/30/15 8:19	EEH
p-Isopropyltoluene (p-Cymene)	0.15	0.087	mg/Kg dry	2		SW-846 8260C	7/29/15	7/30/15 8:19	EEH
Methyl tert-Butyl Ether (MTBE)	ND	0.087	mg/Kg dry	2		SW-846 8260C	7/29/15	7/30/15 8:19	EEH
Methylene Chloride	ND	0.87	mg/Kg dry	2		SW-846 8260C	7/29/15	7/30/15 8:19	EEH
4-Methyl-2-pentanone (MIBK)	ND	0.87	mg/Kg dry	2		SW-846 8260C	7/29/15	7/30/15 8:19	EEH
Naphthalene	4.2	0.17	mg/Kg dry	2		SW-846 8260C	7/29/15	7/30/15 8:19	EEH
n-Propylbenzene	ND	0.087	mg/Kg dry	2		SW-846 8260C	7/29/15	7/30/15 8:19	EEH
Styrene	ND	0.087	mg/Kg dry	2		SW-846 8260C	7/29/15	7/30/15 8:19	EEH
1,1,1,2-Tetrachloroethane	ND	0.087	mg/Kg dry	2		SW-846 8260C	7/29/15	7/30/15 8:19	EEH
1,1,2,2-Tetrachloroethane	ND	0.043	mg/Kg dry	2		SW-846 8260C	7/29/15	7/30/15 8:19	EEH
Tetrachloroethylene	ND	0.087	mg/Kg dry	2		SW-846 8260C	7/29/15	7/30/15 8:19	EEH
Tetrahydrofuran	ND	0.35	mg/Kg dry	2		SW-846 8260C	7/29/15	7/30/15 8:19	EEH
Toluene	0.14	0.087	mg/Kg dry	2		SW-846 8260C	7/29/15	7/30/15 8:19	EEH
1,2,3-Trichlorobenzene	ND	0.35	mg/Kg dry	2		SW-846 8260C	7/29/15	7/30/15 8:19	EEH
1,2,4-Trichlorobenzene	ND	0.087	mg/Kg dry	2		SW-846 8260C	7/29/15	7/30/15 8:19	EEH
1,1,1-Trichloroethane	ND	0.087	mg/Kg dry	2		SW-846 8260C	7/29/15	7/30/15 8:19	EEH
1,1,2-Trichloroethane	ND	0.087	mg/Kg dry	2		SW-846 8260C	7/29/15	7/30/15 8:19	EEH
Trichloroethylene	ND	0.087	mg/Kg dry	2		SW-846 8260C	7/29/15	7/30/15 8:19	EEH
Trichlorofluoromethane (Freon 11)	ND	0.17	mg/Kg dry	2	L-04, V-05	SW-846 8260C	7/29/15	7/30/15 8:19	EEH
1,2,3-Trichloropropane	ND	0.17	mg/Kg dry	2		SW-846 8260C	7/29/15	7/30/15 8:19	EEH
1,2,4-Trimethylbenzene	0.25	0.087	mg/Kg dry	2		SW-846 8260C	7/29/15	7/30/15 8:19	EEH
1,3,5-Trimethylbenzene	ND	0.43	mg/Kg dry	2		SW-846 8260C	7/29/15	7/30/15 8:19	EEH
Vinyl Chloride	ND	0.17	mg/Kg dry	2	V-05	SW-846 8260C	7/29/15	7/30/15 8:19	EEH
m+p Xylene	0.19	0.17	mg/Kg dry	2		SW-846 8260C	7/29/15	7/30/15 8:19	EEH
o-Xylene	0.13	0.087	mg/Kg dry	2		SW-846 8260C	7/29/15	7/30/15 8:19	EEH
Surrogates		% Recovery	Recovery Limits	Flag/Qual					
1,2-Dichloroethane-d4		93.3	70-130						
Toluene-d8		97.6	70-130						
4-Bromofluorobenzene		98.6	70-130						

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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP2-3

Sampled: 7/23/2015 15:15

Sample ID: 15G1139-12Sample Matrix: Soil

Sample Flags: RL-05

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	5.2	0.70	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 19:17	CMR
Acenaphthylene	4.3	0.70	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 19:17	CMR
Acetophenone	ND	1.4	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 19:17	CMR
Aniline	ND	1.4	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 19:17	CMR
Anthracene	4.3	0.70	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 19:17	CMR
Benzo(a)anthracene	7.6	0.70	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 19:17	CMR
Benzo(a)pyrene	5.9	0.70	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 19:17	CMR
Benzo(b)fluoranthene	6.0	0.70	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 19:17	CMR
Benzo(g,h,i)perylene	4.6	0.70	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 19:17	CMR
Benzo(k)fluoranthene	2.1	0.70	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 19:17	CMR
Bis(2-chloroethoxy)methane	ND	1.4	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 19:17	CMR
Bis(2-chloroethyl)ether	ND	1.4	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 19:17	CMR
Bis(2-chloroisopropyl)ether	ND	1.4	mg/Kg dry	2	V-20	SW-846 8270D	7/23/15	7/27/15 19:17	CMR
Bis(2-Ethylhexyl)phthalate	ND	1.4	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 19:17	CMR
4-Bromophenylphenylether	ND	1.4	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 19:17	CMR
Butylbenzylphthalate	ND	1.4	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 19:17	CMR
4-Chloroaniline	ND	2.7	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 19:17	CMR
2-Chloronaphthalene	ND	1.4	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 19:17	CMR
2-Chlorophenol	ND	1.4	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 19:17	CMR
Chrysene	11	0.70	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 19:17	CMR
Dibenz(a,h)anthracene	0.90	0.70	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 19:17	CMR
Dibenzofuran	ND	1.4	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 19:17	CMR
Di-n-butylphthalate	ND	1.4	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 19:17	CMR
1,2-Dichlorobenzene	ND	1.4	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 19:17	CMR
1,3-Dichlorobenzene	ND	1.4	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 19:17	CMR
1,4-Dichlorobenzene	ND	1.4	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 19:17	CMR
3,3-Dichlorobenzidine	ND	0.70	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 19:17	CMR
2,4-Dichlorophenol	ND	1.4	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 19:17	CMR
Diethylphthalate	ND	1.4	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 19:17	CMR
2,4-Dimethylphenol	ND	1.4	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 19:17	CMR
Dimethylphthalate	ND	1.4	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 19:17	CMR
2,4-Dinitrophenol	ND	2.7	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 19:17	CMR
2,4-Dinitrotoluene	ND	1.4	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 19:17	CMR
2,6-Dinitrotoluene	ND	1.4	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 19:17	CMR
Di-n-octylphthalate	ND	1.4	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 19:17	CMR
1,2-Diphenylhydrazine (as Azobenzene)	ND	1.4	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 19:17	CMR
Fluoranthene	9.7	0.70	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 19:17	CMR
Fluorene	1.4	0.70	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 19:17	CMR
Hexachlorobenzene	ND	1.4	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 19:17	CMR
Hexachlorobutadiene	ND	1.4	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 19:17	CMR
Hexachloroethane	ND	1.4	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 19:17	CMR
Indeno(1,2,3-cd)pyrene	3.9	0.70	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 19:17	CMR
Isophorone	ND	1.4	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 19:17	CMR
2-Methylnaphthalene	6.2	0.70	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 19:17	CMR



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 15:15

Field Sample #: No 6-SP2-3

Sample ID: 15G1139-12

Sample Matrix: Soil

Sample Flags: RL-05

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	1.4	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 19:17	CMR
3/4-Methylphenol	ND	1.4	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 19:17	CMR
Naphthalene	5.1	0.70	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 19:17	CMR
Nitrobenzene	ND	1.4	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 19:17	CMR
2-Nitrophenol	ND	1.4	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 19:17	CMR
4-Nitrophenol	ND	2.7	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 19:17	CMR
Pentachlorophenol	ND	1.4	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 19:17	CMR
Phenanthrene	21	3.5	mg/Kg dry	10		SW-846 8270D	7/23/15	7/28/15 15:41	CMR
Phenol	ND	1.4	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 19:17	CMR
Pyrene	22	3.5	mg/Kg dry	10		SW-846 8270D	7/23/15	7/28/15 15:41	CMR
1,2,4-Trichlorobenzene	ND	1.4	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 19:17	CMR
2,4,5-Trichlorophenol	ND	1.4	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 19:17	CMR
2,4,6-Trichlorophenol	ND	1.4	mg/Kg dry	2		SW-846 8270D	7/23/15	7/27/15 19:17	CMR
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
2-Fluorophenol	57.8	30-130							7/27/15 19:17
Phenol-d6	60.3	30-130							7/27/15 19:17
Nitrobenzene-d5	60.4	30-130							7/27/15 19:17
2-Fluorobiphenyl	61.8	30-130							7/27/15 19:17
2,4,6-Tribromophenol	65.9	30-130							7/27/15 19:17
p-Terphenyl-d14	75.5	30-130							7/27/15 19:17



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP2-3

Sampled: 7/23/2015 15:15

Sample ID: 15G1139-12Sample Matrix: Soil

Sample Flags: RL-12

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aldrin [1]	ND	0.10	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 8:57	JMB
alpha-BHC [1]	ND	0.10	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 8:57	JMB
beta-BHC [1]	ND	0.10	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 8:57	JMB
delta-BHC [1]	ND	0.10	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 8:57	JMB
gamma-BHC (Lindane) [1]	ND	0.041	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 8:57	JMB
Chlordane [1]	ND	0.41	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 8:57	JMB
4,4'-DDD [1]	ND	0.082	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 8:57	JMB
4,4'-DDE [1]	ND	0.082	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 8:57	JMB
4,4'-DDT [1]	ND	0.082	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 8:57	JMB
Dieldrin [1]	ND	0.082	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 8:57	JMB
Endosulfan I [1]	ND	0.10	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 8:57	JMB
Endosulfan II [1]	ND	0.16	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 8:57	JMB
Endosulfan sulfate [1]	ND	0.16	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 8:57	JMB
Endrin [1]	ND	0.16	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 8:57	JMB
Endrin ketone [1]	ND	0.16	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 8:57	JMB
Heptachlor [1]	ND	0.10	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 8:57	JMB
Heptachlor epoxide [1]	ND	0.10	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 8:57	JMB
Hexachlorobenzene [1]	ND	0.12	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 8:57	JMB
Methoxychlor [1]	ND	1.0	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 8:57	JMB
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	62.2	30-150							7/30/15 8:57
Decachlorobiphenyl [2]	45.9	30-150							7/30/15 8:57
Tetrachloro-m-xylene [1]	56.9	30-150							7/30/15 8:57
Tetrachloro-m-xylene [2]	53.3	30-150							7/30/15 8:57



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 15:15

Field Sample #: No 6-SP2-3

Sample ID: 15G1139-12

Sample Matrix: Soil

Sample Flags: O-32

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 16:28	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 16:28	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 16:28	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 16:28	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 16:28	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 16:28	KAL
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 16:28	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 16:28	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 16:28	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	84.1	30-150							7/28/15 16:28
Decachlorobiphenyl [2]	78.7	30-150							7/28/15 16:28
Tetrachloro-m-xylene [1]	75.4	30-150							7/28/15 16:28
Tetrachloro-m-xylene [2]	71.5	30-150							7/28/15 16:28



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 15:15

Field Sample #: No 6-SP2-3

Sample ID: 15G1139-12

Sample Matrix: Soil

Herbicides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-D [1]	ND	26	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 6:50	JMB
2,4-DB [1]	ND	26	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 6:50	JMB
2,4,5-TP (Silvex) [1]	ND	2.6	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 6:50	JMB
2,4,5-T [1]	ND	2.6	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 6:50	JMB
Dalapon [1]	ND	64	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 6:50	JMB
Dicamba [1]	ND	2.6	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 6:50	JMB
Dichloroprop [1]	ND	26	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 6:50	JMB
Dinoseb [1]	ND	13	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 6:50	JMB
MCPA [1]	ND	2600	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 6:50	JMB
MCPP [1]	ND	2600	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 6:50	JMB
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
2,4-Dichlorophenylacetic acid [1]	85.1	30-150							7/28/15 6:50
2,4-Dichlorophenylacetic acid [2]	198 *	30-150		S-02					7/28/15 6:50



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 15:15

Field Sample #: No 6-SP2-3

Sample ID: 15G1139-12

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diesel Range Organics	8800	430	mg/Kg dry	50		SW-846 8015C	7/23/15	7/24/15 22:03	SCS
Surrogates									
o-Terphenyl	*		40-140		S-01			7/24/15 22:03	



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP2-3

Sampled: 7/23/2015 15:15

Sample ID: 15G1139-12

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	13	2.6	mg/Kg dry	1		SW-846 6010C	7/24/15	7/27/15 16:21	MJH
Barium	37	2.6	mg/Kg dry	1		SW-846 6010C	7/24/15	7/27/15 16:21	MJH
Cadmium	0.61	0.26	mg/Kg dry	1		SW-846 6010C	7/24/15	7/27/15 16:21	MJH
Chromium	13	0.52	mg/Kg dry	1		SW-846 6010C	7/24/15	7/27/15 16:21	MJH
Lead	67	0.77	mg/Kg dry	1		SW-846 6010C	7/24/15	7/27/15 16:21	MJH
Mercury	0.031	0.026	mg/Kg dry	1		SW-846 7471B	7/24/15	7/28/15 11:16	SCB
Selenium	ND	5.2	mg/Kg dry	1		SW-846 6010C	7/24/15	7/27/15 16:21	MJH
Silver	ND	0.52	mg/Kg dry	1		SW-846 6010C	7/24/15	7/27/15 16:21	MJH



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP2-3

Sampled: 7/23/2015 15:15

Sample ID: 15G1139-12

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	2.2	0.42	mg/Kg dry	1		SW-846 9014	7/27/15	7/28/15 13:50	VAK
Free Liquid	Absent		present/absent	1		SW-846 9095B	7/24/15	7/24/15 8:10	LL
Ignitability	Absent		present/absent	1		SW-846 1030	7/28/15	7/28/15 14:00	AG
pH @26°C	6.3		pH Units	1		SW-846 9045C	7/24/15	7/24/15 10:35	MMH
Reactive Cyanide	ND	3.9	mg/Kg	1		SW-846 9014	7/27/15	7/28/15 16:30	AG
Reactive Sulfide	ND	20	mg/Kg	1		SW-846 9030A	7/28/15	7/29/15 11:55	DJM
Specific conductance	17	2.0	µmhos/cm	1		SM21-22 2510B Modified SM 2540G	7/24/15	7/24/15 14:55	MMH
% Solids	96.7		% Wt	1			7/24/15	7/24/15 14:19	MRL



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 15:15

Field Sample #: No 6-SP2-3

Sample ID: 15G1139-12

Sample Matrix: Soil

TCLP - Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.010	0.00079	mg/L	10		SW-846 8260C	7/30/15	7/31/15 10:39	CMR
2-Butanone (MEK)	ND	0.20	0.024	mg/L	10		SW-846 8260C	7/30/15	7/31/15 10:39	CMR
Carbon Tetrachloride	ND	0.050	0.0010	mg/L	10		SW-846 8260C	7/30/15	7/31/15 10:39	CMR
Chlorobenzene	0.0013	0.010	0.0012	mg/L	10	J	SW-846 8260C	7/30/15	7/31/15 10:39	CMR
Chloroform	ND	0.020	0.0014	mg/L	10		SW-846 8260C	7/30/15	7/31/15 10:39	CMR
1,4-Dichlorobenzene	0.0017	0.010	0.00046	mg/L	10	J	SW-846 8260C	7/30/15	7/31/15 10:39	CMR
1,2-Dichloroethane	ND	0.010	0.0019	mg/L	10		SW-846 8260C	7/30/15	7/31/15 10:39	CMR
1,1-Dichloroethylene	ND	0.010	0.0021	mg/L	10		SW-846 8260C	7/30/15	7/31/15 10:39	CMR
Tetrachloroethylene	ND	0.010	0.00080	mg/L	10		SW-846 8260C	7/30/15	7/31/15 10:39	CMR
Trichloroethylene	ND	0.010	0.00077	mg/L	10		SW-846 8260C	7/30/15	7/31/15 10:39	CMR
Vinyl Chloride	ND	0.020	0.0013	mg/L	10		SW-846 8260C	7/30/15	7/31/15 10:39	CMR
Surrogates		% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4		95.5	70-130							
Toluene-d8		98.9	70-130							
4-Bromofluorobenzene		98.1	70-130							



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 15:15

Field Sample #: No 6-SP2-3

Sample ID: 15G1139-12

Sample Matrix: Soil

Miscellaneous Inorganic Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Sulfur	0.17	0.1	%	1		ASTM D-4239	7/30/15 0:00		SAL

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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP3-1

Sampled: 7/23/2015 15:35

Sample ID: 15G1139-13**Sample Matrix:** Soil**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	1.8	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:59	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.018	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:59	EEH
Benzene	0.062	0.036	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:59	EEH
Bromobenzene	ND	0.036	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:59	EEH
Bromochloromethane	ND	0.036	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:59	EEH
Bromodichloromethane	ND	0.036	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:59	EEH
Bromoform	ND	0.036	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:59	EEH
Bromomethane	ND	0.18	mg/Kg dry	1	L-04, RL-07, V-05	SW-846 8260C	7/29/15	7/30/15 6:59	EEH
2-Butanone (MEK)	ND	0.72	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:59	EEH
n-Butylbenzene	0.054	0.036	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:59	EEH
sec-Butylbenzene	ND	0.036	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:59	EEH
tert-Butylbenzene	ND	0.036	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:59	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.018	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:59	EEH
Carbon Disulfide	ND	0.36	mg/Kg dry	1	RL-07	SW-846 8260C	7/29/15	7/30/15 6:59	EEH
Carbon Tetrachloride	ND	0.036	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:59	EEH
Chlorobenzene	0.085	0.036	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:59	EEH
Chlorodibromomethane	ND	0.018	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:59	EEH
Chloroethane	ND	0.072	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:59	EEH
Chloroform	ND	0.072	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:59	EEH
Chloromethane	ND	0.18	mg/Kg dry	1	RL-07, V-05	SW-846 8260C	7/29/15	7/30/15 6:59	EEH
2-Chlorotoluene	ND	0.036	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:59	EEH
4-Chlorotoluene	ND	0.036	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:59	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.14	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:59	EEH
1,2-Dibromoethane (EDB)	ND	0.018	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:59	EEH
Dibromomethane	ND	0.036	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:59	EEH
1,2-Dichlorobenzene	0.28	0.036	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:59	EEH
1,3-Dichlorobenzene	0.84	0.036	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:59	EEH
1,4-Dichlorobenzene	0.88	0.036	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:59	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.072	mg/Kg dry	1	V-05, L-04	SW-846 8260C	7/29/15	7/30/15 6:59	EEH
1,1-Dichloroethane	ND	0.036	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:59	EEH
1,2-Dichloroethane	ND	0.036	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:59	EEH
1,1-Dichloroethylene	ND	0.036	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:59	EEH
cis-1,2-Dichloroethylene	ND	0.036	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:59	EEH
trans-1,2-Dichloroethylene	ND	0.036	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:59	EEH
1,2-Dichloropropane	ND	0.036	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:59	EEH
1,3-Dichloropropane	ND	0.018	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:59	EEH
2,2-Dichloropropane	ND	0.036	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:59	EEH
1,1-Dichloropropene	ND	0.072	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:59	EEH
cis-1,3-Dichloropropene	ND	0.018	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:59	EEH
trans-1,3-Dichloropropene	ND	0.018	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:59	EEH
Diethyl Ether	ND	0.072	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:59	EEH
Diisopropyl Ether (DIPE)	ND	0.018	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:59	EEH
1,4-Dioxane	ND	1.8	mg/Kg dry	1	V-05, V-16	SW-846 8260C	7/29/15	7/30/15 6:59	EEH
Ethylbenzene	ND	0.036	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:59	EEH



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP3-1

Sampled: 7/23/2015 15:35

Sample ID: 15G1139-13Sample Matrix: Soil**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.036	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:59	EEH
2-Hexanone (MBK)	ND	0.36	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:59	EEH
Isopropylbenzene (Cumene)	ND	0.036	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:59	EEH
p-Isopropyltoluene (p-Cymene)	0.17	0.036	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:59	EEH
Methyl tert-Butyl Ether (MTBE)	ND	0.036	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:59	EEH
Methylene Chloride	ND	0.36	mg/Kg dry	1	RL-07	SW-846 8260C	7/29/15	7/30/15 6:59	EEH
4-Methyl-2-pentanone (MIBK)	ND	0.36	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:59	EEH
Naphthalene	1.7	0.072	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:59	EEH
n-Propylbenzene	ND	0.036	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:59	EEH
Styrene	ND	0.036	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:59	EEH
1,1,1,2-Tetrachloroethane	ND	0.036	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:59	EEH
1,1,2,2-Tetrachloroethane	ND	0.018	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:59	EEH
Tetrachloroethylene	ND	0.036	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:59	EEH
Tetrahydrofuran	ND	0.14	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:59	EEH
Toluene	0.055	0.036	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:59	EEH
1,2,3-Trichlorobenzene	ND	0.14	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:59	EEH
1,2,4-Trichlorobenzene	0.047	0.036	mg/Kg dry	1	L-06, V-06	SW-846 8260C	7/29/15	7/30/15 6:59	EEH
1,1,1-Trichloroethane	ND	0.036	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:59	EEH
1,1,2-Trichloroethane	ND	0.036	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:59	EEH
Trichloroethylene	ND	0.036	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:59	EEH
Trichlorofluoromethane (Freon 11)	ND	0.072	mg/Kg dry	1	L-04, V-05	SW-846 8260C	7/29/15	7/30/15 6:59	EEH
1,2,3-Trichloropropane	ND	0.072	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:59	EEH
1,2,4-Trimethylbenzene	0.067	0.036	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:59	EEH
1,3,5-Trimethylbenzene	0.20	0.18	mg/Kg dry	1	RL-07	SW-846 8260C	7/29/15	7/30/15 6:59	EEH
Vinyl Chloride	ND	0.072	mg/Kg dry	1	V-05	SW-846 8260C	7/29/15	7/30/15 6:59	EEH
m+p Xylene	ND	0.072	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:59	EEH
o-Xylene	ND	0.036	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 6:59	EEH
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	91.7	70-130					7/30/15 6:59		
Toluene-d8	98.1	70-130					7/30/15 6:59		
4-Bromofluorobenzene	103	70-130					7/30/15 6:59		

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP3-1

Sampled: 7/23/2015 15:35

Sample ID: 15G1139-13Sample Matrix: Soil**Semivolatile Organic Compounds by GC/MS**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	0.54	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 19:44	CMR
Acenaphthylene	1.2	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 19:44	CMR
Acetophenone	ND	0.35	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 19:44	CMR
Aniline	ND	0.35	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 19:44	CMR
Anthracene	1.2	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 19:44	CMR
Benzo(a)anthracene	2.7	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 19:44	CMR
Benzo(a)pyrene	3.3	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 19:44	CMR
Benzo(b)fluoranthene	3.6	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 19:44	CMR
Benzo(g,h,i)perylene	1.4	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 19:44	CMR
Benzo(k)fluoranthene	1.2	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 19:44	CMR
Bis(2-chloroethoxy)methane	ND	0.35	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 19:44	CMR
Bis(2-chloroethyl)ether	ND	0.35	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 19:44	CMR
Bis(2-chloroisopropyl)ether	ND	0.35	mg/Kg dry	1	V-20	SW-846 8270D	7/23/15	7/27/15 19:44	CMR
Bis(2-Ethylhexyl)phthalate	ND	0.35	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 19:44	CMR
4-Bromophenylphenylether	ND	0.35	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 19:44	CMR
Butylbenzylphthalate	ND	0.35	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 19:44	CMR
4-Chloroaniline	ND	0.68	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 19:44	CMR
2-Chloronaphthalene	ND	0.35	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 19:44	CMR
2-Chlorophenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 19:44	CMR
Chrysene	3.8	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 19:44	CMR
Dibenz(a,h)anthracene	0.39	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 19:44	CMR
Dibenzofuran	ND	0.35	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 19:44	CMR
Di-n-butylphthalate	ND	0.35	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 19:44	CMR
1,2-Dichlorobenzene	ND	0.35	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 19:44	CMR
1,3-Dichlorobenzene	ND	0.35	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 19:44	CMR
1,4-Dichlorobenzene	ND	0.35	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 19:44	CMR
3,3-Dichlorobenzidine	ND	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 19:44	CMR
2,4-Dichlorophenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 19:44	CMR
Diethylphthalate	ND	0.35	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 19:44	CMR
2,4-Dimethylphenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 19:44	CMR
Dimethylphthalate	ND	0.35	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 19:44	CMR
2,4-Dinitrophenol	ND	0.68	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 19:44	CMR
2,4-Dinitrotoluene	ND	0.35	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 19:44	CMR
2,6-Dinitrotoluene	ND	0.35	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 19:44	CMR
Di-n-octylphthalate	ND	0.35	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 19:44	CMR
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.35	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 19:44	CMR
Fluoranthene	3.8	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 19:44	CMR
Fluorene	ND	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 19:44	CMR
Hexachlorobenzene	ND	0.35	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 19:44	CMR
Hexachlorobutadiene	ND	0.35	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 19:44	CMR
Hexachloroethane	ND	0.35	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 19:44	CMR
Indeno(1,2,3-cd)pyrene	1.4	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 19:44	CMR
Isophorone	ND	0.35	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 19:44	CMR
2-Methylnaphthalene	0.71	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 19:44	CMR



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 15:35

Field Sample #: No 6-SP3-1

Sample ID: 15G1139-13

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 19:44	CMR
3/4-Methylphenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 19:44	CMR
Naphthalene	0.92	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 19:44	CMR
Nitrobenzene	ND	0.35	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 19:44	CMR
2-Nitrophenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 19:44	CMR
4-Nitrophenol	ND	0.68	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 19:44	CMR
Pentachlorophenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 19:44	CMR
Phenanthrene	2.9	0.18	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 19:44	CMR
Phenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 19:44	CMR
Pyrene	6.2	0.88	mg/Kg dry	5		SW-846 8270D	7/23/15	7/28/15 16:05	CMR
1,2,4-Trichlorobenzene	ND	0.35	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 19:44	CMR
2,4,5-Trichlorophenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 19:44	CMR
2,4,6-Trichlorophenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	7/23/15	7/27/15 19:44	CMR
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
2-Fluorophenol	71.0	30-130						7/27/15 19:44	
Phenol-d6	71.3	30-130						7/27/15 19:44	
Nitrobenzene-d5	73.3	30-130						7/27/15 19:44	
2-Fluorobiphenyl	76.0	30-130						7/27/15 19:44	
2,4,6-Tribromophenol	84.5	30-130						7/27/15 19:44	
p-Terphenyl-d14	75.8	30-130						7/27/15 19:44	



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP3-1

Sampled: 7/23/2015 15:35

Sample ID: 15G1139-13Sample Matrix: Soil

Sample Flags: RL-12

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aldrin [1]	ND	0.098	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 9:20	JMB
alpha-BHC [1]	ND	0.098	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 9:20	JMB
beta-BHC [1]	ND	0.098	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 9:20	JMB
delta-BHC [1]	ND	0.098	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 9:20	JMB
gamma-BHC (Lindane) [1]	ND	0.039	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 9:20	JMB
Chlordane [1]	ND	0.39	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 9:20	JMB
4,4'-DDD [1]	ND	0.078	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 9:20	JMB
4,4'-DDE [1]	ND	0.078	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 9:20	JMB
4,4'-DDT [1]	ND	0.078	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 9:20	JMB
Dieldrin [1]	ND	0.078	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 9:20	JMB
Endosulfan I [1]	ND	0.098	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 9:20	JMB
Endosulfan II [1]	ND	0.16	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 9:20	JMB
Endosulfan sulfate [1]	ND	0.16	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 9:20	JMB
Endrin [1]	ND	0.16	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 9:20	JMB
Endrin ketone [1]	ND	0.16	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 9:20	JMB
Heptachlor [1]	ND	0.098	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 9:20	JMB
Heptachlor epoxide [1]	ND	0.098	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 9:20	JMB
Hexachlorobenzene [1]	ND	0.12	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 9:20	JMB
Methoxychlor [1]	ND	0.98	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 9:20	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	75.7	30-150		7/30/15 9:20
Decachlorobiphenyl [2]	61.0	30-150		7/30/15 9:20
Tetrachloro-m-xylene [1]	76.9	30-150		7/30/15 9:20
Tetrachloro-m-xylene [2]	71.4	30-150		7/30/15 9:20



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 15:35

Field Sample #: No 6-SP3-1

Sample ID: 15G1139-13

Sample Matrix: Soil

Sample Flags: O-32

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 16:46	KAL
Aroclor-1221 [1]	ND	0.098	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 16:46	KAL
Aroclor-1232 [1]	ND	0.098	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 16:46	KAL
Aroclor-1242 [1]	ND	0.098	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 16:46	KAL
Aroclor-1248 [1]	ND	0.098	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 16:46	KAL
Aroclor-1254 [1]	ND	0.098	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 16:46	KAL
Aroclor-1260 [1]	ND	0.098	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 16:46	KAL
Aroclor-1262 [1]	ND	0.098	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 16:46	KAL
Aroclor-1268 [1]	ND	0.098	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 16:46	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	75.3	30-150					7/28/15 16:46		
Decachlorobiphenyl [2]	73.0	30-150					7/28/15 16:46		
Tetrachloro-m-xylene [1]	71.5	30-150					7/28/15 16:46		
Tetrachloro-m-xylene [2]	68.6	30-150					7/28/15 16:46		



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 15:35

Field Sample #: No 6-SP3-1

Sample ID: 15G1139-13

Sample Matrix: Soil

Herbicides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-D [1]	ND	25	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 7:29	JMB
2,4-DB [2]	51	25	µg/kg dry	1	P-02, R-06	SW-846 8151A	7/24/15	7/28/15 7:29	JMB
2,4,5-TP (Silvex) [1]	ND	2.5	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 7:29	JMB
2,4,5-T [1]	ND	2.5	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 7:29	JMB
Dalapon [1]	ND	64	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 7:29	JMB
Dicamba [1]	ND	2.5	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 7:29	JMB
Dichloroprop [1]	ND	25	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 7:29	JMB
Dinoseb [1]	ND	13	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 7:29	JMB
MCPA [1]	ND	2500	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 7:29	JMB
MCPP [1]	ND	2500	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 7:29	JMB
Surrogates		% Recovery	Recovery Limits	Flag/Qual					
2,4-Dichlorophenylacetic acid [1]		97.8	30-150					7/28/15 7:29	
2,4-Dichlorophenylacetic acid [2]		105	30-150					7/28/15 7:29	



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 15:35

Field Sample #: No 6-SP3-1

Sample ID: 15G1139-13

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diesel Range Organics	4400	430	mg/Kg dry	50		SW-846 8015C	7/23/15	7/24/15 22:03	SCS
Surrogates									
o-Terphenyl	*		40-140		S-01			7/24/15 22:03	



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP3-1

Sampled: 7/23/2015 15:35

Sample ID: 15G1139-13

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	14	2.6	mg/Kg dry	1		SW-846 6010C	7/24/15	7/27/15 16:42	MJH
Barium	35	2.6	mg/Kg dry	1		SW-846 6010C	7/24/15	7/27/15 16:42	MJH
Cadmium	0.58	0.26	mg/Kg dry	1		SW-846 6010C	7/24/15	7/27/15 16:42	MJH
Chromium	13	0.51	mg/Kg dry	1		SW-846 6010C	7/24/15	7/27/15 16:42	MJH
Lead	32	0.77	mg/Kg dry	1		SW-846 6010C	7/24/15	7/27/15 16:42	MJH
Mercury	0.25	0.026	mg/Kg dry	1		SW-846 7471B	7/24/15	7/28/15 11:17	SCB
Selenium	ND	5.1	mg/Kg dry	1		SW-846 6010C	7/24/15	7/27/15 16:42	MJH
Silver	ND	0.51	mg/Kg dry	1		SW-846 6010C	7/24/15	7/27/15 16:42	MJH



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP3-1

Sampled: 7/23/2015 15:35

Sample ID: 15G1139-13

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	3.4	0.50	mg/Kg dry	1		SW-846 9014	7/27/15	7/28/15 13:50	VAK
Free Liquid	Absent		present/absent	1		SW-846 9095B	7/24/15	7/24/15 8:10	LL
Ignitability	Absent		present/absent	1		SW-846 1030	7/27/15	7/27/15 17:00	AG
pH @23.6°C	7.5		pH Units	1		SW-846 9045C	7/24/15	7/24/15 10:35	MMH
Reactive Cyanide	ND	3.9	mg/Kg	1		SW-846 9014	7/27/15	7/28/15 16:30	AG
Reactive Sulfide	ND	20	mg/Kg	1		SW-846 9030A	7/28/15	7/29/15 11:55	DJM
Specific conductance	13	2.0	µmhos/cm	1		SM21-22 2510B Modified SM 2540G	7/24/15	7/24/15 14:55	MMH
% Solids	97.1		% Wt	1			7/24/15	7/24/15 14:19	MRL



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 15:35

Field Sample #: No 6-SP3-1

Sample ID: 15G1139-13

Sample Matrix: Soil

TCLP - Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.010	0.00079	mg/L	10		SW-846 8260C	7/30/15	7/31/15 9:37	CMR
2-Butanone (MEK)	ND	0.20	0.024	mg/L	10		SW-846 8260C	7/30/15	7/31/15 9:37	CMR
Carbon Tetrachloride	ND	0.050	0.0010	mg/L	10		SW-846 8260C	7/30/15	7/31/15 9:37	CMR
Chlorobenzene	ND	0.010	0.0012	mg/L	10		SW-846 8260C	7/30/15	7/31/15 9:37	CMR
Chloroform	ND	0.020	0.0014	mg/L	10		SW-846 8260C	7/30/15	7/31/15 9:37	CMR
1,4-Dichlorobenzene	0.0072	0.010	0.00046	mg/L	10	J	SW-846 8260C	7/30/15	7/31/15 9:37	CMR
1,2-Dichloroethane	ND	0.010	0.0019	mg/L	10		SW-846 8260C	7/30/15	7/31/15 9:37	CMR
1,1-Dichloroethylene	ND	0.010	0.0021	mg/L	10		SW-846 8260C	7/30/15	7/31/15 9:37	CMR
Tetrachloroethylene	ND	0.010	0.00080	mg/L	10		SW-846 8260C	7/30/15	7/31/15 9:37	CMR
Trichloroethylene	ND	0.010	0.00077	mg/L	10		SW-846 8260C	7/30/15	7/31/15 9:37	CMR
Vinyl Chloride	ND	0.020	0.0013	mg/L	10		SW-846 8260C	7/30/15	7/31/15 9:37	CMR
Surrogates	% Recovery	Recovery Limits			Flag/Qual					
1,2-Dichloroethane-d4	94.6	70-130						7/31/15 9:37		
Toluene-d8	99.6	70-130						7/31/15 9:37		
4-Bromofluorobenzene	97.2	70-130						7/31/15 9:37		



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 15:35

Field Sample #: No 6-SP3-1

Sample ID: 15G1139-13

Sample Matrix: Soil

Miscellaneous Inorganic Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Sulfur	<0.10	0.1	%	1		ASTM D-4239	7/30/15 0:00		SAL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP3-2

Sampled: 7/23/2015 15:45

Sample ID: 15G1139-14**Sample Matrix:** Soil**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	2.2	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:26	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.022	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:26	EEH
Benzene	0.053	0.044	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:26	EEH
Bromobenzene	ND	0.044	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:26	EEH
Bromochloromethane	ND	0.044	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:26	EEH
Bromodichloromethane	ND	0.044	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:26	EEH
Bromoform	ND	0.044	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:26	EEH
Bromomethane	ND	0.22	mg/Kg dry	1	L-04, RL-07, V-05	SW-846 8260C	7/29/15	7/30/15 7:26	EEH
2-Butanone (MEK)	ND	0.88	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:26	EEH
n-Butylbenzene	ND	0.044	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:26	EEH
sec-Butylbenzene	ND	0.044	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:26	EEH
tert-Butylbenzene	ND	0.044	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:26	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.022	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:26	EEH
Carbon Disulfide	ND	0.44	mg/Kg dry	1	RL-07	SW-846 8260C	7/29/15	7/30/15 7:26	EEH
Carbon Tetrachloride	ND	0.044	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:26	EEH
Chlorobenzene	0.20	0.044	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:26	EEH
Chlorodibromomethane	ND	0.022	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:26	EEH
Chloroethane	ND	0.088	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:26	EEH
Chloroform	ND	0.088	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:26	EEH
Chloromethane	ND	0.22	mg/Kg dry	1	V-05, RL-07	SW-846 8260C	7/29/15	7/30/15 7:26	EEH
2-Chlorotoluene	ND	0.044	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:26	EEH
4-Chlorotoluene	ND	0.044	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:26	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.18	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:26	EEH
1,2-Dibromoethane (EDB)	ND	0.022	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:26	EEH
Dibromomethane	ND	0.044	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:26	EEH
1,2-Dichlorobenzene	ND	0.044	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:26	EEH
1,3-Dichlorobenzene	0.25	0.044	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:26	EEH
1,4-Dichlorobenzene	0.30	0.044	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:26	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.088	mg/Kg dry	1	L-04, V-05	SW-846 8260C	7/29/15	7/30/15 7:26	EEH
1,1-Dichloroethane	ND	0.044	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:26	EEH
1,2-Dichloroethane	ND	0.044	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:26	EEH
1,1-Dichloroethylene	ND	0.044	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:26	EEH
cis-1,2-Dichloroethylene	ND	0.044	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:26	EEH
trans-1,2-Dichloroethylene	ND	0.044	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:26	EEH
1,2-Dichloropropane	ND	0.044	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:26	EEH
1,3-Dichloropropane	ND	0.022	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:26	EEH
2,2-Dichloropropane	ND	0.044	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:26	EEH
1,1-Dichloropropene	ND	0.088	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:26	EEH
cis-1,3-Dichloropropene	ND	0.022	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:26	EEH
trans-1,3-Dichloropropene	ND	0.022	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:26	EEH
Diethyl Ether	ND	0.088	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:26	EEH
Diisopropyl Ether (DIPE)	ND	0.022	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:26	EEH
1,4-Dioxane	ND	2.2	mg/Kg dry	1	V-05, V-16	SW-846 8260C	7/29/15	7/30/15 7:26	EEH
Ethylbenzene	ND	0.044	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:26	EEH



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP3-2

Sampled: 7/23/2015 15:45

Sample ID: 15G1139-14**Sample Matrix:** Soil**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.044	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:26	EEH
2-Hexanone (MBK)	ND	0.44	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:26	EEH
Isopropylbenzene (Cumene)	ND	0.044	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:26	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.044	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:26	EEH
Methyl tert-Butyl Ether (MTBE)	ND	0.044	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:26	EEH
Methylene Chloride	ND	0.44	mg/Kg dry	1	RL-07	SW-846 8260C	7/29/15	7/30/15 7:26	EEH
4-Methyl-2-pentanone (MIBK)	ND	0.44	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:26	EEH
Naphthalene	0.48	0.088	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:26	EEH
n-Propylbenzene	ND	0.044	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:26	EEH
Styrene	ND	0.044	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:26	EEH
1,1,1,2-Tetrachloroethane	ND	0.044	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:26	EEH
1,1,2,2-Tetrachloroethane	ND	0.022	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:26	EEH
Tetrachloroethylene	ND	0.044	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:26	EEH
Tetrahydrofuran	ND	0.18	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:26	EEH
Toluene	0.13	0.044	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:26	EEH
1,2,3-Trichlorobenzene	ND	0.18	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:26	EEH
1,2,4-Trichlorobenzene	ND	0.044	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:26	EEH
1,1,1-Trichloroethane	ND	0.044	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:26	EEH
1,1,2-Trichloroethane	ND	0.044	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:26	EEH
Trichloroethylene	ND	0.044	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:26	EEH
Trichlorofluoromethane (Freon 11)	ND	0.088	mg/Kg dry	1	L-04, V-05	SW-846 8260C	7/29/15	7/30/15 7:26	EEH
1,2,3-Trichloropropane	ND	0.088	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:26	EEH
1,2,4-Trimethylbenzene	0.053	0.044	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:26	EEH
1,3,5-Trimethylbenzene	ND	0.22	mg/Kg dry	1	RL-07	SW-846 8260C	7/29/15	7/30/15 7:26	EEH
Vinyl Chloride	ND	0.088	mg/Kg dry	1	V-05	SW-846 8260C	7/29/15	7/30/15 7:26	EEH
m+p Xylene	0.10	0.088	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:26	EEH
o-Xylene	ND	0.044	mg/Kg dry	1		SW-846 8260C	7/29/15	7/30/15 7:26	EEH
Surrogates		% Recovery	Recovery Limits	Flag/Qual					
1,2-Dichloroethane-d4		92.2	70-130						
Toluene-d8		97.8	70-130						
4-Bromofluorobenzene		102	70-130						

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP3-2

Sampled: 7/23/2015 15:45

Sample ID: 15G1139-14Sample Matrix: Soil**Semivolatile Organic Compounds by GC/MS**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.35	mg/Kg dry	2		SW-846 8270D	7/23/15	7/28/15 11:44	CMR
Acenaphthylene	2.3	0.35	mg/Kg dry	2		SW-846 8270D	7/23/15	7/28/15 11:44	CMR
Acetophenone	ND	0.70	mg/Kg dry	2		SW-846 8270D	7/23/15	7/28/15 11:44	CMR
Aniline	ND	0.70	mg/Kg dry	2		SW-846 8270D	7/23/15	7/28/15 11:44	CMR
Anthracene	1.9	0.35	mg/Kg dry	2		SW-846 8270D	7/23/15	7/28/15 11:44	CMR
Benzo(a)anthracene	6.7	0.35	mg/Kg dry	2		SW-846 8270D	7/23/15	7/28/15 11:44	CMR
Benzo(a)pyrene	7.2	0.35	mg/Kg dry	2		SW-846 8270D	7/23/15	7/28/15 11:44	CMR
Benzo(b)fluoranthene	8.4	1.7	mg/Kg dry	10		SW-846 8270D	7/23/15	7/28/15 16:33	CMR
Benzo(g,h,i)perylene	4.6	0.35	mg/Kg dry	2		SW-846 8270D	7/23/15	7/28/15 11:44	CMR
Benzo(k)fluoranthene	3.0	0.35	mg/Kg dry	2		SW-846 8270D	7/23/15	7/28/15 11:44	CMR
Bis(2-chloroethoxy)methane	ND	0.70	mg/Kg dry	2		SW-846 8270D	7/23/15	7/28/15 11:44	CMR
Bis(2-chloroethyl)ether	ND	0.70	mg/Kg dry	2		SW-846 8270D	7/23/15	7/28/15 11:44	CMR
Bis(2-chloroisopropyl)ether	ND	0.70	mg/Kg dry	2	V-20	SW-846 8270D	7/23/15	7/28/15 11:44	CMR
Bis(2-Ethylhexyl)phthalate	ND	0.70	mg/Kg dry	2		SW-846 8270D	7/23/15	7/28/15 11:44	CMR
4-Bromophenylphenylether	ND	0.70	mg/Kg dry	2		SW-846 8270D	7/23/15	7/28/15 11:44	CMR
Butylbenzylphthalate	ND	0.70	mg/Kg dry	2		SW-846 8270D	7/23/15	7/28/15 11:44	CMR
4-Chloroaniline	ND	1.4	mg/Kg dry	2		SW-846 8270D	7/23/15	7/28/15 11:44	CMR
2-Chloronaphthalene	ND	0.70	mg/Kg dry	2		SW-846 8270D	7/23/15	7/28/15 11:44	CMR
2-Chlorophenol	ND	0.70	mg/Kg dry	2		SW-846 8270D	7/23/15	7/28/15 11:44	CMR
Chrysene	7.2	0.35	mg/Kg dry	2		SW-846 8270D	7/23/15	7/28/15 11:44	CMR
Dibenz(a,h)anthracene	1.2	0.35	mg/Kg dry	2		SW-846 8270D	7/23/15	7/28/15 11:44	CMR
Dibenzofuran	ND	0.70	mg/Kg dry	2		SW-846 8270D	7/23/15	7/28/15 11:44	CMR
Di-n-butylphthalate	ND	0.70	mg/Kg dry	2		SW-846 8270D	7/23/15	7/28/15 11:44	CMR
1,2-Dichlorobenzene	ND	0.70	mg/Kg dry	2		SW-846 8270D	7/23/15	7/28/15 11:44	CMR
1,3-Dichlorobenzene	ND	0.70	mg/Kg dry	2		SW-846 8270D	7/23/15	7/28/15 11:44	CMR
1,4-Dichlorobenzene	ND	0.70	mg/Kg dry	2		SW-846 8270D	7/23/15	7/28/15 11:44	CMR
3,3-Dichlorobenzidine	ND	0.35	mg/Kg dry	2		SW-846 8270D	7/23/15	7/28/15 11:44	CMR
2,4-Dichlorophenol	ND	0.70	mg/Kg dry	2		SW-846 8270D	7/23/15	7/28/15 11:44	CMR
Diethylphthalate	ND	0.70	mg/Kg dry	2		SW-846 8270D	7/23/15	7/28/15 11:44	CMR
2,4-Dimethylphenol	ND	0.70	mg/Kg dry	2		SW-846 8270D	7/23/15	7/28/15 11:44	CMR
Dimethylphthalate	ND	0.70	mg/Kg dry	2		SW-846 8270D	7/23/15	7/28/15 11:44	CMR
2,4-Dinitrophenol	ND	1.4	mg/Kg dry	2		SW-846 8270D	7/23/15	7/28/15 11:44	CMR
2,4-Dinitrotoluene	ND	0.70	mg/Kg dry	2		SW-846 8270D	7/23/15	7/28/15 11:44	CMR
2,6-Dinitrotoluene	ND	0.70	mg/Kg dry	2		SW-846 8270D	7/23/15	7/28/15 11:44	CMR
Di-n-octylphthalate	ND	0.70	mg/Kg dry	2		SW-846 8270D	7/23/15	7/28/15 11:44	CMR
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.70	mg/Kg dry	2		SW-846 8270D	7/23/15	7/28/15 11:44	CMR
Fluoranthene	10	1.7	mg/Kg dry	10		SW-846 8270D	7/23/15	7/28/15 16:33	CMR
Fluorene	0.69	0.35	mg/Kg dry	2		SW-846 8270D	7/23/15	7/28/15 11:44	CMR
Hexachlorobenzene	ND	0.70	mg/Kg dry	2		SW-846 8270D	7/23/15	7/28/15 11:44	CMR
Hexachlorobutadiene	ND	0.70	mg/Kg dry	2		SW-846 8270D	7/23/15	7/28/15 11:44	CMR
Hexachloroethane	ND	0.70	mg/Kg dry	2		SW-846 8270D	7/23/15	7/28/15 11:44	CMR
Indeno(1,2,3-cd)pyrene	4.7	0.35	mg/Kg dry	2		SW-846 8270D	7/23/15	7/28/15 11:44	CMR
Isophorone	ND	0.70	mg/Kg dry	2		SW-846 8270D	7/23/15	7/28/15 11:44	CMR
2-Methylnaphthalene	0.64	0.35	mg/Kg dry	2		SW-846 8270D	7/23/15	7/28/15 11:44	CMR



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 15:45

Field Sample #: No 6-SP3-2

Sample ID: 15G1139-14

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.70	mg/Kg dry	2		SW-846 8270D	7/23/15	7/28/15 11:44	CMR
3/4-Methylphenol	ND	0.70	mg/Kg dry	2		SW-846 8270D	7/23/15	7/28/15 11:44	CMR
Naphthalene	1.1	0.35	mg/Kg dry	2		SW-846 8270D	7/23/15	7/28/15 11:44	CMR
Nitrobenzene	ND	0.70	mg/Kg dry	2		SW-846 8270D	7/23/15	7/28/15 11:44	CMR
2-Nitrophenol	ND	0.70	mg/Kg dry	2		SW-846 8270D	7/23/15	7/28/15 11:44	CMR
4-Nitrophenol	ND	1.4	mg/Kg dry	2		SW-846 8270D	7/23/15	7/28/15 11:44	CMR
Pentachlorophenol	ND	0.70	mg/Kg dry	2		SW-846 8270D	7/23/15	7/28/15 11:44	CMR
Phenanthrrene	5.0	0.35	mg/Kg dry	2		SW-846 8270D	7/23/15	7/28/15 11:44	CMR
Phenol	ND	0.70	mg/Kg dry	2		SW-846 8270D	7/23/15	7/28/15 11:44	CMR
Pyrene	12	1.7	mg/Kg dry	10		SW-846 8270D	7/23/15	7/28/15 16:33	CMR
1,2,4-Trichlorobenzene	ND	0.70	mg/Kg dry	2		SW-846 8270D	7/23/15	7/28/15 11:44	CMR
2,4,5-Trichlorophenol	ND	0.70	mg/Kg dry	2		SW-846 8270D	7/23/15	7/28/15 11:44	CMR
2,4,6-Trichlorophenol	ND	0.70	mg/Kg dry	2		SW-846 8270D	7/23/15	7/28/15 11:44	CMR
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
2-Fluorophenol	50.0	30-130						7/28/15 11:44	
Phenol-d6	52.8	30-130						7/28/15 11:44	
Nitrobenzene-d5	51.7	30-130						7/28/15 11:44	
2-Fluorobiphenyl	54.5	30-130						7/28/15 11:44	
2,4,6-Tribromophenol	64.0	30-130						7/28/15 11:44	
p-Terphenyl-d14	59.8	30-130						7/28/15 11:44	



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 15:45

Field Sample #: No 6-SP3-2

Sample ID: 15G1139-14

Sample Matrix: Soil

Sample Flags: RL-12

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aldrin [1]	ND	0.099	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 9:42	JMB
alpha-BHC [1]	ND	0.099	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 9:42	JMB
beta-BHC [1]	ND	0.099	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 9:42	JMB
delta-BHC [1]	ND	0.099	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 9:42	JMB
gamma-BHC (Lindane) [1]	ND	0.039	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 9:42	JMB
Chlordane [1]	ND	0.39	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 9:42	JMB
4,4'-DDD [1]	ND	0.079	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 9:42	JMB
4,4'-DDE [1]	ND	0.079	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 9:42	JMB
4,4'-DDT [1]	ND	0.079	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 9:42	JMB
Dieldrin [1]	ND	0.079	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 9:42	JMB
Endosulfan I [1]	ND	0.099	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 9:42	JMB
Endosulfan II [1]	ND	0.16	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 9:42	JMB
Endosulfan sulfate [1]	ND	0.16	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 9:42	JMB
Endrin [1]	ND	0.16	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 9:42	JMB
Endrin ketone [1]	ND	0.16	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 9:42	JMB
Heptachlor [1]	ND	0.099	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 9:42	JMB
Heptachlor epoxide [1]	ND	0.099	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 9:42	JMB
Hexachlorobenzene [1]	ND	0.12	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 9:42	JMB
Methoxychlor [1]	ND	0.99	mg/Kg dry	20		SW-846 8081B	7/24/15	7/30/15 9:42	JMB
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	70.4	30-150					7/30/15 9:42		
Decachlorobiphenyl [2]	53.6	30-150					7/30/15 9:42		
Tetrachloro-m-xylene [1]	74.1	30-150					7/30/15 9:42		
Tetrachloro-m-xylene [2]	69.9	30-150					7/30/15 9:42		



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 15:45

Field Sample #: No 6-SP3-2

Sample ID: 15G1139-14

Sample Matrix: Soil

Sample Flags: O-32

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 17:04	KAL
Aroclor-1221 [1]	ND	0.099	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 17:04	KAL
Aroclor-1232 [1]	ND	0.099	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 17:04	KAL
Aroclor-1242 [1]	ND	0.099	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 17:04	KAL
Aroclor-1248 [1]	ND	0.099	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 17:04	KAL
Aroclor-1254 [1]	ND	0.099	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 17:04	KAL
Aroclor-1260 [1]	ND	0.099	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 17:04	KAL
Aroclor-1262 [1]	ND	0.099	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 17:04	KAL
Aroclor-1268 [1]	ND	0.099	mg/Kg dry	5		SW-846 8082A	7/24/15	7/28/15 17:04	KAL
Surrogates	% Recovery	Recovery Limits		Flag/Qual					
Decachlorobiphenyl [1]	70.0	30-150					7/28/15 17:04		
Decachlorobiphenyl [2]	72.2	30-150					7/28/15 17:04		
Tetrachloro-m-xylene [1]	74.1	30-150					7/28/15 17:04		
Tetrachloro-m-xylene [2]	72.3	30-150					7/28/15 17:04		



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP3-2

Sampled: 7/23/2015 15:45

Sample ID: 15G1139-14

Sample Matrix: Soil

Herbicides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-D [1]	ND	25	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 8:07	JMB
2,4-DB [2]	50	25	µg/kg dry	1	P-02, R-06	SW-846 8151A	7/24/15	7/28/15 8:07	JMB
2,4,5-TP (Silvex) [1]	ND	2.5	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 8:07	JMB
2,4,5-T [1]	ND	2.5	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 8:07	JMB
Dalapon [1]	ND	63	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 8:07	JMB
Dicamba [1]	ND	2.5	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 8:07	JMB
Dichloroprop [1]	ND	25	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 8:07	JMB
Dinoseb [1]	ND	13	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 8:07	JMB
MCPA [1]	ND	2500	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 8:07	JMB
MCPP [1]	ND	2500	µg/kg dry	1		SW-846 8151A	7/24/15	7/28/15 8:07	JMB
Surrogates		% Recovery	Recovery Limits	Flag/Qual					
2,4-Dichlorophenylacetic acid [1]		108	30-150					7/28/15 8:07	
2,4-Dichlorophenylacetic acid [2]		114	30-150					7/28/15 8:07	



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP3-2

Sampled: 7/23/2015 15:45

Sample ID: 15G1139-14

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diesel Range Organics	1900	430	mg/Kg dry	50		SW-846 8015C	7/23/15	7/24/15 22:21	SCS
Surrogates									
o-Terphenyl	*		40-140			S-01		7/24/15 22:21	



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP3-2

Sampled: 7/23/2015 15:45

Sample ID: 15G1139-14

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	17	2.5	mg/Kg dry	1		SW-846 6010C	7/24/15	7/24/15 22:20	MJH
Barium	41	2.5	mg/Kg dry	1		SW-846 6010C	7/24/15	7/24/15 22:20	MJH
Cadmium	0.71	0.25	mg/Kg dry	1		SW-846 6010C	7/24/15	7/24/15 22:20	MJH
Chromium	14	0.49	mg/Kg dry	1		SW-846 6010C	7/24/15	7/24/15 22:20	MJH
Lead	85	0.74	mg/Kg dry	1		SW-846 6010C	7/24/15	7/24/15 22:20	MJH
Mercury	0.38	0.026	mg/Kg dry	1		SW-846 7471B	7/24/15	7/28/15 11:19	SCB
Selenium	ND	4.9	mg/Kg dry	1		SW-846 6010C	7/24/15	7/24/15 22:20	MJH
Silver	0.59	0.49	mg/Kg dry	1		SW-846 6010C	7/24/15	7/24/15 22:20	MJH



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP3-2

Sampled: 7/23/2015 15:45

Sample ID: 15G1139-14

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	13	0.46	mg/Kg dry	1		SW-846 9014	7/27/15	7/28/15 13:50	VAK
Free Liquid	Absent		present/absent	1		SW-846 9095B	7/24/15	7/24/15 8:10	LL
Ignitability	Absent		present/absent	1		SW-846 1030	7/27/15	7/27/15 17:00	AG
pH @23.7°C	6.9		pH Units	1		SW-846 9045C	7/24/15	7/24/15 10:35	MMH
Reactive Cyanide	ND	4.0	mg/Kg	1		SW-846 9014	7/27/15	7/28/15 16:30	AG
Reactive Sulfide	ND	20	mg/Kg	1		SW-846 9030A	7/28/15	7/29/15 11:55	DJM
Specific conductance	17	2.0	µmhos/cm	1		SM21-22 2510B Modified SM 2540G	7/24/15	7/24/15 14:55	MMH
% Solids	97.5		% Wt	1			7/24/15	7/24/15 14:19	MRL



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Field Sample #: No 6-SP3-2

Sampled: 7/23/2015 15:45

Sample ID: 15G1139-14

Sample Matrix: Soil

TCLP - Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.010	0.00079	mg/L	10		SW-846 8260C	7/30/15	7/31/15 10:08	CMR
2-Butanone (MEK)	ND	0.20	0.024	mg/L	10		SW-846 8260C	7/30/15	7/31/15 10:08	CMR
Carbon Tetrachloride	ND	0.050	0.0010	mg/L	10		SW-846 8260C	7/30/15	7/31/15 10:08	CMR
Chlorobenzene	ND	0.010	0.0012	mg/L	10		SW-846 8260C	7/30/15	7/31/15 10:08	CMR
Chloroform	ND	0.020	0.0014	mg/L	10		SW-846 8260C	7/30/15	7/31/15 10:08	CMR
1,4-Dichlorobenzene	0.0011	0.010	0.00046	mg/L	10	J	SW-846 8260C	7/30/15	7/31/15 10:08	CMR
1,2-Dichloroethane	ND	0.010	0.0019	mg/L	10		SW-846 8260C	7/30/15	7/31/15 10:08	CMR
1,1-Dichloroethylene	ND	0.010	0.0021	mg/L	10		SW-846 8260C	7/30/15	7/31/15 10:08	CMR
Tetrachloroethylene	ND	0.010	0.00080	mg/L	10		SW-846 8260C	7/30/15	7/31/15 10:08	CMR
Trichloroethylene	ND	0.010	0.00077	mg/L	10		SW-846 8260C	7/30/15	7/31/15 10:08	CMR
Vinyl Chloride	ND	0.020	0.0013	mg/L	10		SW-846 8260C	7/30/15	7/31/15 10:08	CMR
Surrogates		% Recovery	Recovery Limits	Flag/Qual						
1,2-Dichloroethane-d4		95.6	70-130							
Toluene-d8		99.6	70-130							
4-Bromofluorobenzene		98.1	70-130							



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Project Location: WRTA

Sample Description:

Work Order: 15G1139

Date Received: 7/23/2015

Sampled: 7/23/2015 15:45

Field Sample #: No 6-SP3-2

Sample ID: 15G1139-14

Sample Matrix: Soil

Miscellaneous Inorganic Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Sulfur	<0.10	0.1	%	1		ASTM D-4239	7/30/15 0:00		SAL



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Sample Extraction Data

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
15G1139-01 [No 6-SP1-1]	B127041	07/24/15
15G1139-02 [No 6-SP1-2]	B127041	07/24/15
15G1139-03 [No 6-SP1-3]	B127041	07/24/15
15G1139-04 [No 6-SP1-4]	B127041	07/24/15
15G1139-05 [No 6-SP1-5]	B127041	07/24/15
15G1139-06 [No 6-SP1-6]	B127041	07/24/15
15G1139-07 [No 6-SP1-7]	B127041	07/24/15
15G1139-08 [No 6-SP1-8]	B127041	07/24/15
15G1139-09 [No 6-SP1-9]	B127041	07/24/15
15G1139-10 [No 6-SP2-1]	B127041	07/24/15
15G1139-11 [No 6-SP2-2]	B127041	07/24/15
15G1139-12 [No 6-SP2-3]	B127041	07/24/15
15G1139-13 [No 6-SP3-1]	B127041	07/24/15
15G1139-14 [No 6-SP3-2]	B127041	07/24/15

SM21-22 2510B Modified

Lab Number [Field ID]	Batch	Initial [g]	Date
15G1139-01 [No 6-SP1-1]	B127097	1.00	07/24/15
15G1139-02 [No 6-SP1-2]	B127097	1.00	07/24/15
15G1139-03 [No 6-SP1-3]	B127097	1.00	07/24/15
15G1139-04 [No 6-SP1-4]	B127097	1.00	07/24/15
15G1139-05 [No 6-SP1-5]	B127097	1.00	07/24/15
15G1139-06 [No 6-SP1-6]	B127097	1.00	07/24/15
15G1139-07 [No 6-SP1-7]	B127097	1.00	07/24/15
15G1139-08 [No 6-SP1-8]	B127097	1.00	07/24/15
15G1139-09 [No 6-SP1-9]	B127097	1.00	07/24/15
15G1139-10 [No 6-SP2-1]	B127097	1.00	07/24/15
15G1139-11 [No 6-SP2-2]	B127097	1.00	07/24/15
15G1139-12 [No 6-SP2-3]	B127097	1.00	07/24/15
15G1139-13 [No 6-SP3-1]	B127097	1.00	07/24/15
15G1139-14 [No 6-SP3-2]	B127097	1.00	07/24/15

SW-846 1030

Lab Number [Field ID]	Batch	Initial [g]	Date
15G1139-01 [No 6-SP1-1]	B127171	50.0	07/27/15
15G1139-02 [No 6-SP1-2]	B127171	50.0	07/27/15
15G1139-03 [No 6-SP1-3]	B127171	50.0	07/27/15
15G1139-04 [No 6-SP1-4]	B127171	50.0	07/27/15
15G1139-05 [No 6-SP1-5]	B127171	50.0	07/27/15
15G1139-06 [No 6-SP1-6]	B127171	50.0	07/27/15
15G1139-07 [No 6-SP1-7]	B127171	50.0	07/27/15
15G1139-08 [No 6-SP1-8]	B127171	50.0	07/27/15
15G1139-09 [No 6-SP1-9]	B127171	50.0	07/27/15
15G1139-10 [No 6-SP2-1]	B127171	50.0	07/27/15
15G1139-11 [No 6-SP2-2]	B127171	50.0	07/27/15
15G1139-13 [No 6-SP3-1]	B127171	50.0	07/27/15
15G1139-14 [No 6-SP3-2]	B127171	50.0	07/27/15

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Sample Extraction Data
SW-846 1030

Lab Number [Field ID]	Batch	Initial [g]	Date
15G1139-12 [No 6-SP2-3]	B127264	50.0	07/28/15

Prep Method: SW-846 3050B-SW-846 6010C

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15G1139-01 [No 6-SP1-1]	B126980	1.00	50.0	07/24/15
15G1139-02 [No 6-SP1-2]	B126980	1.01	50.0	07/24/15
15G1139-14 [No 6-SP3-2]	B126980	1.04	50.0	07/24/15

Prep Method: SW-846 3050B-SW-846 6010C

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15G1139-03 [No 6-SP1-3]	B127066	1.00	50.0	07/24/15
15G1139-04 [No 6-SP1-4]	B127066	1.01	50.0	07/24/15
15G1139-05 [No 6-SP1-5]	B127066	1.01	50.0	07/24/15
15G1139-06 [No 6-SP1-6]	B127066	1.00	50.0	07/24/15
15G1139-07 [No 6-SP1-7]	B127066	1.00	50.0	07/24/15
15G1139-08 [No 6-SP1-8]	B127066	1.01	50.0	07/24/15
15G1139-09 [No 6-SP1-9]	B127066	1.01	50.0	07/24/15
15G1139-10 [No 6-SP2-1]	B127066	1.00	50.0	07/24/15
15G1139-11 [No 6-SP2-2]	B127066	1.00	50.0	07/24/15
15G1139-12 [No 6-SP2-3]	B127066	1.00	50.0	07/24/15
15G1139-13 [No 6-SP3-1]	B127066	1.01	50.0	07/24/15

Prep Method: SW-846 7471-SW-846 7471B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15G1139-01 [No 6-SP1-1]	B127026	0.599	50.0	07/24/15
15G1139-02 [No 6-SP1-2]	B127026	0.601	50.0	07/24/15
15G1139-03 [No 6-SP1-3]	B127026	0.600	50.0	07/24/15
15G1139-04 [No 6-SP1-4]	B127026	0.601	50.0	07/24/15
15G1139-05 [No 6-SP1-5]	B127026	0.599	50.0	07/24/15
15G1139-06 [No 6-SP1-6]	B127026	0.600	50.0	07/24/15
15G1139-07 [No 6-SP1-7]	B127026	0.599	50.0	07/24/15
15G1139-08 [No 6-SP1-8]	B127026	0.600	50.0	07/24/15
15G1139-09 [No 6-SP1-9]	B127026	0.601	50.0	07/24/15
15G1139-10 [No 6-SP2-1]	B127026	0.600	50.0	07/24/15
15G1139-11 [No 6-SP2-2]	B127026	0.601	50.0	07/24/15
15G1139-12 [No 6-SP2-3]	B127026	0.600	50.0	07/24/15
15G1139-13 [No 6-SP3-1]	B127026	0.600	50.0	07/24/15
15G1139-14 [No 6-SP3-2]	B127026	0.600	50.0	07/24/15

Prep Method: SW-846 3546-SW-846 8015C

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15G1139-01 [No 6-SP1-1]	B127002	30.2	1.00	07/23/15
15G1139-02 [No 6-SP1-2]	B127002	30.0	1.00	07/23/15
15G1139-03 [No 6-SP1-3]	B127002	30.0	1.00	07/23/15
15G1139-04 [No 6-SP1-4]	B127002	30.1	1.00	07/23/15
15G1139-05 [No 6-SP1-5]	B127002	30.0	1.00	07/23/15

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Sample Extraction Data**Prep Method: SW-846 3546-SW-846 8015C**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15G1139-06 [No 6-SP1-6]	B127002	30.1	1.00	07/23/15
15G1139-07 [No 6-SP1-7]	B127002	30.3	1.00	07/23/15
15G1139-08 [No 6-SP1-8]	B127002	30.0	1.00	07/23/15
15G1139-09 [No 6-SP1-9]	B127002	30.1	1.00	07/23/15
15G1139-10 [No 6-SP2-1]	B127002	30.2	1.00	07/23/15
15G1139-11 [No 6-SP2-2]	B127002	30.0	1.00	07/23/15
15G1139-12 [No 6-SP2-3]	B127002	30.3	1.00	07/23/15
15G1139-13 [No 6-SP3-1]	B127002	30.2	1.00	07/23/15
15G1139-14 [No 6-SP3-2]	B127002	30.1	1.00	07/23/15

Prep Method: SW-846 3546-SW-846 8081B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15G1139-01 [No 6-SP1-1]	B127059	10.0	10.0	07/24/15
15G1139-02 [No 6-SP1-2]	B127059	10.5	10.0	07/24/15
15G1139-03 [No 6-SP1-3]	B127059	10.0	10.0	07/24/15
15G1139-04 [No 6-SP1-4]	B127059	10.1	10.0	07/24/15
15G1139-05 [No 6-SP1-5]	B127059	10.3	10.0	07/24/15
15G1139-06 [No 6-SP1-6]	B127059	10.4	10.0	07/24/15
15G1139-07 [No 6-SP1-7]	B127059	10.2	10.0	07/24/15
15G1139-08 [No 6-SP1-8]	B127059	10.5	10.0	07/24/15
15G1139-09 [No 6-SP1-9]	B127059	10.0	10.0	07/24/15
15G1139-10 [No 6-SP2-1]	B127059	10.4	10.0	07/24/15
15G1139-11 [No 6-SP2-2]	B127059	10.3	10.0	07/24/15
15G1139-12 [No 6-SP2-3]	B127059	10.1	10.0	07/24/15
15G1139-13 [No 6-SP3-1]	B127059	10.5	10.0	07/24/15
15G1139-14 [No 6-SP3-2]	B127059	10.4	10.0	07/24/15

Prep Method: SW-846 3546-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15G1139-01 [No 6-SP1-1]	B127060	10.0	10.0	07/24/15
15G1139-02 [No 6-SP1-2]	B127060	10.5	10.0	07/24/15
15G1139-03 [No 6-SP1-3]	B127060	10.0	10.0	07/24/15
15G1139-04 [No 6-SP1-4]	B127060	10.1	10.0	07/24/15
15G1139-05 [No 6-SP1-5]	B127060	10.3	10.0	07/24/15
15G1139-06 [No 6-SP1-6]	B127060	10.4	10.0	07/24/15
15G1139-07 [No 6-SP1-7]	B127060	10.2	10.0	07/24/15
15G1139-08 [No 6-SP1-8]	B127060	10.5	10.0	07/24/15
15G1139-09 [No 6-SP1-9]	B127060	10.0	10.0	07/24/15
15G1139-10 [No 6-SP2-1]	B127060	10.4	10.0	07/24/15
15G1139-11 [No 6-SP2-2]	B127060	10.3	10.0	07/24/15
15G1139-12 [No 6-SP2-3]	B127060	10.1	10.0	07/24/15
15G1139-13 [No 6-SP3-1]	B127060	10.5	10.0	07/24/15
15G1139-14 [No 6-SP3-2]	B127060	10.4	10.0	07/24/15

Prep Method: SW-846 8151-SW-846 8151A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15G1139-01 [No 6-SP1-1]	B127003	20.2	5.00	07/24/15
15G1139-02 [No 6-SP1-2]	B127003	20.1	5.00	07/24/15

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Sample Extraction Data**Prep Method: SW-846 8151-SW-846 8151A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15G1139-03 [No 6-SP1-3]	B127003	20.1	5.00	07/24/15
15G1139-04 [No 6-SP1-4]	B127003	20.3	5.00	07/24/15
15G1139-05 [No 6-SP1-5]	B127003	20.3	5.00	07/24/15
15G1139-06 [No 6-SP1-6]	B127003	20.3	5.00	07/24/15
15G1139-07 [No 6-SP1-7]	B127003	20.4	5.00	07/24/15
15G1139-08 [No 6-SP1-8]	B127003	20.1	5.00	07/24/15
15G1139-09 [No 6-SP1-9]	B127003	20.2	5.00	07/24/15
15G1139-10 [No 6-SP2-1]	B127003	20.2	5.00	07/24/15
15G1139-11 [No 6-SP2-2]	B127003	20.2	5.00	07/24/15
15G1139-12 [No 6-SP2-3]	B127003	20.1	5.00	07/24/15
15G1139-13 [No 6-SP3-1]	B127003	20.2	5.00	07/24/15
15G1139-14 [No 6-SP3-2]	B127003	20.2	5.00	07/24/15

Prep Method: SW-846 5035-SW-846 8260C

Lab Number [Field ID]	Batch	Sample Amount(g)	Methanol Volume(mL)	Methanol Aliquot(mL)	Final Volume(mL)	Date
15G1139-03 [No 6-SP1-3]	B127014	19.1	16.0	0.05	50	07/24/15
15G1139-11 [No 6-SP2-2]	B127014	24.4	16.6	0.05	50	07/24/15

Prep Method: SW-846 5035-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15G1139-04 [No 6-SP1-4]	B127069	7.53	10.0	07/24/15
15G1139-05 [No 6-SP1-5]	B127069	7.03	10.0	07/24/15
15G1139-06 [No 6-SP1-6]	B127069	6.35	10.0	07/24/15
15G1139-07 [No 6-SP1-7]	B127069	7.01	10.0	07/24/15
15G1139-08 [No 6-SP1-8]	B127069	7.38	10.0	07/24/15

Prep Method: SW-846 5035-SW-846 8260C

Lab Number [Field ID]	Batch	Sample Amount(g)	Methanol Volume(mL)	Methanol Aliquot(mL)	Final Volume(mL)	Date
15G1139-01 [No 6-SP1-1]	B127125	19.6	16.7	1	50	07/29/15
15G1139-02 [No 6-SP1-2]	B127125	21.5	16.3	1	50	07/29/15
15G1139-09 [No 6-SP1-9]	B127125	31.0	16.6	1	50	07/29/15
15G1139-10 [No 6-SP2-1]	B127125	17.9	16.1	1	50	07/29/15
15G1139-12 [No 6-SP2-3]	B127125	18.6	15.6	0.5	50	07/29/15
15G1139-13 [No 6-SP3-1]	B127125	22.3	15.6	1	50	07/29/15
15G1139-14 [No 6-SP3-2]	B127125	18.1	15.4	1	50	07/29/15

Prep Method: SW-846 5030B-SW-846 8260C

Leachates were extracted on 7/24/2015 per SW-846 1311 in Batch B127071

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
15G1139-01 [No 6-SP1-1]	B127489	0.5	5.00	07/30/15
15G1139-02 [No 6-SP1-2]	B127489	0.5	5.00	07/30/15
15G1139-03 [No 6-SP1-3]	B127489	0.5	5.00	07/30/15
15G1139-04 [No 6-SP1-4]	B127489	0.5	5.00	07/30/15
15G1139-05 [No 6-SP1-5]	B127489	0.5	5.00	07/30/15
15G1139-06 [No 6-SP1-6]	B127489	0.5	5.00	07/30/15
15G1139-07 [No 6-SP1-7]	B127489	0.5	5.00	07/30/15
15G1139-08 [No 6-SP1-8]	B127489	0.5	5.00	07/30/15

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Sample Extraction Data

Prep Method: SW-846 5030B-SW-846 8260C
Leachates were extracted on 7/24/2015 per SW-846 1311 in Batch B127071

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
15G1139-09 [No 6-SP1-9]	B127489	0.5	5.00	07/30/15
15G1139-10 [No 6-SP2-1]	B127489	0.5	5.00	07/30/15
15G1139-11 [No 6-SP2-2]	B127489	0.5	5.00	07/30/15
15G1139-12 [No 6-SP2-3]	B127489	0.5	5.00	07/30/15
15G1139-13 [No 6-SP3-1]	B127489	0.5	5.00	07/30/15
15G1139-14 [No 6-SP3-2]	B127489	0.5	5.00	07/30/15

Prep Method: SW-846 3546-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15G1139-01 [No 6-SP1-1]	B127001	30.2	1.00	07/23/15
15G1139-01RE1 [No 6-SP1-1]	B127001	30.2	1.00	07/23/15
15G1139-02 [No 6-SP1-2]	B127001	30.1	1.00	07/23/15
15G1139-02RE1 [No 6-SP1-2]	B127001	30.1	1.00	07/23/15
15G1139-03 [No 6-SP1-3]	B127001	30.0	1.00	07/23/15
15G1139-03RE1 [No 6-SP1-3]	B127001	30.0	1.00	07/23/15
15G1139-04 [No 6-SP1-4]	B127001	30.1	1.00	07/23/15
15G1139-04RE1 [No 6-SP1-4]	B127001	30.1	1.00	07/23/15
15G1139-05 [No 6-SP1-5]	B127001	30.1	1.00	07/23/15
15G1139-05RE1 [No 6-SP1-5]	B127001	30.1	1.00	07/23/15
15G1139-06 [No 6-SP1-6]	B127001	30.0	2.00	07/23/15
15G1139-06RE1 [No 6-SP1-6]	B127001	30.0	2.00	07/23/15
15G1139-07 [No 6-SP1-7]	B127001	30.3	1.00	07/23/15
15G1139-07RE1 [No 6-SP1-7]	B127001	30.3	1.00	07/23/15
15G1139-08 [No 6-SP1-8]	B127001	30.0	1.00	07/23/15
15G1139-08RE1 [No 6-SP1-8]	B127001	30.0	1.00	07/23/15
15G1139-09 [No 6-SP1-9]	B127001	30.0	2.00	07/23/15
15G1139-09RE1 [No 6-SP1-9]	B127001	30.0	2.00	07/23/15
15G1139-10 [No 6-SP2-1]	B127001	30.0	1.00	07/23/15
15G1139-10RE1 [No 6-SP2-1]	B127001	30.0	1.00	07/23/15
15G1139-11 [No 6-SP2-2]	B127001	30.0	1.00	07/23/15
15G1139-11RE1 [No 6-SP2-2]	B127001	30.0	1.00	07/23/15
15G1139-12 [No 6-SP2-3]	B127001	30.0	2.00	07/23/15
15G1139-12RE1 [No 6-SP2-3]	B127001	30.0	2.00	07/23/15
15G1139-13 [No 6-SP3-1]	B127001	30.0	1.00	07/23/15
15G1139-13RE1 [No 6-SP3-1]	B127001	30.0	1.00	07/23/15
15G1139-14 [No 6-SP3-2]	B127001	30.0	1.00	07/23/15
15G1139-14RE1 [No 6-SP3-2]	B127001	30.0	1.00	07/23/15

SW-846 9014

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15G1139-01 [No 6-SP1-1]	B127170	25.1	250	07/27/15
15G1139-02 [No 6-SP1-2]	B127170	25.1	250	07/27/15
15G1139-03 [No 6-SP1-3]	B127170	25.1	250	07/27/15
15G1139-04 [No 6-SP1-4]	B127170	25.0	250	07/27/15
15G1139-05 [No 6-SP1-5]	B127170	25.1	250	07/27/15
15G1139-06 [No 6-SP1-6]	B127170	25.4	250	07/27/15
15G1139-07 [No 6-SP1-7]	B127170	25.8	250	07/27/15
15G1139-08 [No 6-SP1-8]	B127170	25.0	250	07/27/15
15G1139-09 [No 6-SP1-9]	B127170	25.1	250	07/27/15
15G1139-10 [No 6-SP2-1]	B127170	25.4	250	07/27/15
15G1139-11 [No 6-SP2-2]	B127170	25.2	250	07/27/15

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Sample Extraction Data**SW-846 9014**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15G1139-12 [No 6-SP2-3]	B127170	25.4	250	07/27/15
15G1139-13 [No 6-SP3-1]	B127170	25.5	250	07/27/15
15G1139-14 [No 6-SP3-2]	B127170	25.0	250	07/27/15

SW-846 9014

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15G1139-01 [No 6-SP1-1]	B127200	1.36	50.0	07/27/15
15G1139-02 [No 6-SP1-2]	B127200	1.22	50.0	07/27/15
15G1139-03 [No 6-SP1-3]	B127200	1.34	50.0	07/27/15
15G1139-04 [No 6-SP1-4]	B127200	1.26	50.0	07/27/15
15G1139-05 [No 6-SP1-5]	B127200	1.12	50.0	07/27/15
15G1139-06 [No 6-SP1-6]	B127200	1.30	50.0	07/27/15
15G1139-07 [No 6-SP1-7]	B127200	1.08	50.0	07/27/15
15G1139-08 [No 6-SP1-8]	B127200	1.20	50.0	07/27/15
15G1139-09 [No 6-SP1-9]	B127200	1.03	50.0	07/27/15
15G1139-10 [No 6-SP2-1]	B127200	1.33	50.0	07/27/15
15G1139-11 [No 6-SP2-2]	B127200	1.19	50.0	07/27/15
15G1139-12 [No 6-SP2-3]	B127200	1.22	50.0	07/27/15
15G1139-13 [No 6-SP3-1]	B127200	1.04	50.0	07/27/15
15G1139-14 [No 6-SP3-2]	B127200	1.11	50.0	07/27/15

SW-846 9030A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15G1139-01 [No 6-SP1-1]	B127267	25.1	250	07/28/15
15G1139-02 [No 6-SP1-2]	B127267	25.1	250	07/28/15
15G1139-03 [No 6-SP1-3]	B127267	25.1	250	07/28/15
15G1139-04 [No 6-SP1-4]	B127267	25.0	250	07/28/15
15G1139-05 [No 6-SP1-5]	B127267	25.1	250	07/28/15
15G1139-06 [No 6-SP1-6]	B127267	25.4	250	07/28/15
15G1139-07 [No 6-SP1-7]	B127267	25.8	250	07/28/15
15G1139-08 [No 6-SP1-8]	B127267	25.0	250	07/28/15
15G1139-09 [No 6-SP1-9]	B127267	25.1	250	07/28/15
15G1139-10 [No 6-SP2-1]	B127267	25.4	250	07/28/15
15G1139-11 [No 6-SP2-2]	B127267	25.2	250	07/28/15
15G1139-12 [No 6-SP2-3]	B127267	25.4	250	07/28/15
15G1139-13 [No 6-SP3-1]	B127267	25.5	250	07/28/15
15G1139-14 [No 6-SP3-2]	B127267	25.0	250	07/28/15

SW-846 9045C

Lab Number [Field ID]	Batch	Initial [g]	Date
15G1139-01 [No 6-SP1-1]	B127080	20.0	07/24/15
15G1139-02 [No 6-SP1-2]	B127080	20.0	07/24/15
15G1139-03 [No 6-SP1-3]	B127080	20.0	07/24/15
15G1139-04 [No 6-SP1-4]	B127080	20.0	07/24/15
15G1139-05 [No 6-SP1-5]	B127080	20.0	07/24/15
15G1139-06 [No 6-SP1-6]	B127080	20.0	07/24/15
15G1139-07 [No 6-SP1-7]	B127080	20.0	07/24/15
15G1139-08 [No 6-SP1-8]	B127080	20.0	07/24/15

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Sample Extraction Data

SW-846 9045C

Lab Number [Field ID]	Batch	Initial [g]	Date
15G1139-09 [No 6-SP1-9]	B127080	20.0	07/24/15
15G1139-10 [No 6-SP2-1]	B127080	20.0	07/24/15
15G1139-11 [No 6-SP2-2]	B127080	20.0	07/24/15
15G1139-12 [No 6-SP2-3]	B127080	20.0	07/24/15
15G1139-13 [No 6-SP3-1]	B127080	20.0	07/24/15
15G1139-14 [No 6-SP3-2]	B127080	20.0	07/24/15

SW-846 9095B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15G1139-01 [No 6-SP1-1]	B127020	100	100	07/24/15
15G1139-02 [No 6-SP1-2]	B127020	100	100	07/24/15
15G1139-03 [No 6-SP1-3]	B127020	100	100	07/24/15
15G1139-04 [No 6-SP1-4]	B127020	100	100	07/24/15
15G1139-05 [No 6-SP1-5]	B127020	100	100	07/24/15
15G1139-06 [No 6-SP1-6]	B127020	100	100	07/24/15
15G1139-07 [No 6-SP1-7]	B127020	100	100	07/24/15
15G1139-08 [No 6-SP1-8]	B127020	100	100	07/24/15
15G1139-09 [No 6-SP1-9]	B127020	100	100	07/24/15
15G1139-10 [No 6-SP2-1]	B127020	100	100	07/24/15
15G1139-11 [No 6-SP2-2]	B127020	100	100	07/24/15
15G1139-12 [No 6-SP2-3]	B127020	100	100	07/24/15
15G1139-13 [No 6-SP3-1]	B127020	100	100	07/24/15
15G1139-14 [No 6-SP3-2]	B127020	100	100	07/24/15

QUALITY CONTROL**Volatile Organic Compounds by GC/MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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Batch B127014 - SW-846 5035

Blank (B127014-BLK1)										Prepared: 07/24/15 Analyzed: 07/26/15
Acetone	ND	2.5	mg/Kg wet							
tert-Amyl Methyl Ether (TAME)	ND	0.025	mg/Kg wet							
Benzene	ND	0.050	mg/Kg wet							
Bromobenzene	ND	0.050	mg/Kg wet							
Bromoform	ND	0.050	mg/Kg wet							
Bromomethane	ND	0.10	mg/Kg wet							L-04, V-05
2-Butanone (MEK)	ND	1.0	mg/Kg wet							
n-Butylbenzene	ND	0.050	mg/Kg wet							
sec-Butylbenzene	ND	0.050	mg/Kg wet							
tert-Butylbenzene	ND	0.050	mg/Kg wet							
tert-Butyl Ethyl Ether (TBEE)	ND	0.025	mg/Kg wet							
Carbon Disulfide	ND	0.50	mg/Kg wet							
Carbon Tetrachloride	ND	0.050	mg/Kg wet							
Chlorobenzene	ND	0.050	mg/Kg wet							
Chlorodibromomethane	ND	0.025	mg/Kg wet							
Chloroethane	ND	0.10	mg/Kg wet							
Chloroform	ND	0.10	mg/Kg wet							
Chloromethane	ND	0.10	mg/Kg wet							
2-Chlorotoluene	ND	0.050	mg/Kg wet							
4-Chlorotoluene	ND	0.050	mg/Kg wet							
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.20	mg/Kg wet							
1,2-Dibromoethane (EDB)	ND	0.025	mg/Kg wet							
Dibromomethane	ND	0.050	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.050	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.050	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.050	mg/Kg wet							
Dichlorodifluoromethane (Freon 12)	ND	0.10	mg/Kg wet							L-04, V-05
1,1-Dichloroethane	ND	0.050	mg/Kg wet							
1,2-Dichloroethane	ND	0.050	mg/Kg wet							
1,1-Dichloroethylene	ND	0.050	mg/Kg wet							
cis-1,2-Dichloroethylene	ND	0.050	mg/Kg wet							
trans-1,2-Dichloroethylene	ND	0.050	mg/Kg wet							
1,2-Dichloropropane	ND	0.050	mg/Kg wet							
1,3-Dichloropropane	ND	0.025	mg/Kg wet							
2,2-Dichloropropane	ND	0.050	mg/Kg wet							
1,1-Dichloropropene	ND	0.10	mg/Kg wet							
cis-1,3-Dichloropropene	ND	0.025	mg/Kg wet							
trans-1,3-Dichloropropene	ND	0.025	mg/Kg wet							
Diethyl Ether	ND	0.10	mg/Kg wet							
Diisopropyl Ether (DIPE)	ND	0.025	mg/Kg wet							
1,4-Dioxane	ND	2.5	mg/Kg wet							R-05, V-16
Ethylbenzene	ND	0.050	mg/Kg wet							
Hexachlorobutadiene	ND	0.050	mg/Kg wet							
2-Hexanone (MBK)	ND	0.50	mg/Kg wet							
Isopropylbenzene (Cumene)	ND	0.050	mg/Kg wet							
p-Isopropyltoluene (p-Cymene)	ND	0.050	mg/Kg wet							
Methyl tert-Butyl Ether (MTBE)	ND	0.050	mg/Kg wet							
Methylene Chloride	ND	0.25	mg/Kg wet							
4-Methyl-2-pentanone (MIBK)	ND	0.50	mg/Kg wet							
Naphthalene	ND	0.10	mg/Kg wet							

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QUALITY CONTROL**Volatile Organic Compounds by GC/MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	Limit Notes
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Batch B127014 - SW-846 5035

Blank (B127014-BLK1)									
Prepared: 07/24/15 Analyzed: 07/26/15									
n-Propylbenzene	ND	0.050	mg/Kg wet						
Styrene	ND	0.050	mg/Kg wet						
1,1,1,2-Tetrachloroethane	ND	0.050	mg/Kg wet						
1,1,2,2-Tetrachloroethane	ND	0.025	mg/Kg wet						
Tetrachloroethylene	ND	0.050	mg/Kg wet						
Tetrahydrofuran	ND	0.20	mg/Kg wet						
Toluene	ND	0.050	mg/Kg wet						
1,2,3-Trichlorobenzene	ND	0.20	mg/Kg wet						
1,2,4-Trichlorobenzene	ND	0.050	mg/Kg wet						
1,1,1-Trichloroethane	ND	0.050	mg/Kg wet						
1,1,2-Trichloroethane	ND	0.050	mg/Kg wet						
Trichloroethylene	ND	0.050	mg/Kg wet						
Trichlorofluoromethane (Freon 11)	ND	0.10	mg/Kg wet						L-04, V-05
1,2,3-Trichloropropane	ND	0.10	mg/Kg wet						
1,2,4-Trimethylbenzene	ND	0.050	mg/Kg wet						
1,3,5-Trimethylbenzene	ND	0.050	mg/Kg wet						
Vinyl Chloride	ND	0.10	mg/Kg wet						V-05
m+p Xylene	ND	0.10	mg/Kg wet						
o-Xylene	ND	0.050	mg/Kg wet						
Surrogate: 1,2-Dichloroethane-d4	0.0211		mg/Kg wet	0.0250		84.4		70-130	
Surrogate: Toluene-d8	0.0245		mg/Kg wet	0.0250		97.9		70-130	
Surrogate: 4-Bromofluorobenzene	0.0247		mg/Kg wet	0.0250		98.9		70-130	

LCS (B127014-BS1)									
Prepared: 07/24/15 Analyzed: 07/26/15									
Acetone	0.0996	0.057	mg/Kg wet	0.113		87.9		40-160	†
tert-Amyl Methyl Ether (TAME)	0.00946	0.00057	mg/Kg wet	0.0113		83.5		70-130	
Benzene	0.0114	0.0011	mg/Kg wet	0.0113		101		70-130	
Bromobenzene	0.0118	0.0011	mg/Kg wet	0.0113		104		70-130	
Bromochloromethane	0.0119	0.0011	mg/Kg wet	0.0113		105		70-130	
Bromodichloromethane	0.0111	0.0011	mg/Kg wet	0.0113		97.7		70-130	
Bromoform	0.0118	0.0011	mg/Kg wet	0.0113		104		70-130	
Bromomethane	0.00129	0.0023	mg/Kg wet	0.0113	11.4 *	40-160			L-04, V-05 †
2-Butanone (MEK)	0.107	0.023	mg/Kg wet	0.113		94.7		40-160	†
n-Butylbenzene	0.0109	0.0011	mg/Kg wet	0.0113		95.9		70-130	
sec-Butylbenzene	0.0115	0.0011	mg/Kg wet	0.0113		101		70-130	
tert-Butylbenzene	0.0117	0.0011	mg/Kg wet	0.0113		103		70-130	
tert-Butyl Ethyl Ether (TBEE)	0.0104	0.00057	mg/Kg wet	0.0113		91.4		70-130	
Carbon Disulfide	0.0121	0.011	mg/Kg wet	0.0113		107		70-130	
Carbon Tetrachloride	0.0112	0.0011	mg/Kg wet	0.0113		98.8		70-130	
Chlorobenzene	0.0120	0.0011	mg/Kg wet	0.0113		106		70-130	
Chlorodibromomethane	0.0111	0.00057	mg/Kg wet	0.0113		97.6		70-130	
Chloroethane	0.00883	0.0023	mg/Kg wet	0.0113		77.9		70-130	
Chloroform	0.0102	0.0023	mg/Kg wet	0.0113		89.7		70-130	
Chloromethane	0.00705	0.0023	mg/Kg wet	0.0113		62.2		40-160	†
2-Chlorotoluene	0.0116	0.0011	mg/Kg wet	0.0113		103		70-130	
4-Chlorotoluene	0.0110	0.0011	mg/Kg wet	0.0113		97.5		70-130	
1,2-Dibromo-3-chloropropane (DBCP)	0.00868	0.0045	mg/Kg wet	0.0113		76.6		70-130	
1,2-Dibromoethane (EDB)	0.0118	0.00057	mg/Kg wet	0.0113		104		70-130	
Dibromomethane	0.0120	0.0011	mg/Kg wet	0.0113		106		70-130	
1,2-Dichlorobenzene	0.0118	0.0011	mg/Kg wet	0.0113		104		70-130	
1,3-Dichlorobenzene	0.0117	0.0011	mg/Kg wet	0.0113		103		70-130	
1,4-Dichlorobenzene	0.0115	0.0011	mg/Kg wet	0.0113		102		70-130	

QUALITY CONTROL**Volatile Organic Compounds by GC/MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	Limit Notes
Batch B127014 - SW-846 5035									
LCS (B127014-BS1) Prepared: 07/24/15 Analyzed: 07/26/15									
Dichlorodifluoromethane (Freon 12)									
1,1-Dichloroethane	0.00385	0.0023	mg/Kg wet	0.0113	34.0 *	40-160			L-04, V-05 †
1,2-Dichloroethane	0.0119	0.0011	mg/Kg wet	0.0113	105	70-130			
1,1-Dichloroethylene	0.0109	0.0011	mg/Kg wet	0.0113	96.4	70-130			
cis-1,2-Dichloroethylene	0.0111	0.0011	mg/Kg wet	0.0113	97.9	70-130			
trans-1,2-Dichloroethylene	0.0115	0.0011	mg/Kg wet	0.0113	101	70-130			
1,2-Dichloropropane	0.0112	0.0011	mg/Kg wet	0.0113	99.1	70-130			
1,3-Dichloropropane	0.0128	0.0011	mg/Kg wet	0.0113	113	70-130			
2,2-Dichloropropane	0.0114	0.00057	mg/Kg wet	0.0113	100	70-130			
1,1-Dichloropropene	0.00902	0.0011	mg/Kg wet	0.0113	79.6	70-130			
cis-1,3-Dichloropropene	0.0118	0.0023	mg/Kg wet	0.0113	104	70-130			
trans-1,3-Dichloropropene	0.0119	0.00057	mg/Kg wet	0.0113	105	70-130			
Diethyl Ether	0.0122	0.00057	mg/Kg wet	0.0113	108	70-130			
Diisopropyl Ether (DIPE)	0.00918	0.0023	mg/Kg wet	0.0113	81.0	70-130			
1,4-Dioxane	0.0108	0.00057	mg/Kg wet	0.0113	95.2	70-130			
Ethylbenzene	0.0695	0.057	mg/Kg wet	0.113	61.3	40-160			L-14, R-05, V-16 †
Hexachlorobutadiene	0.0113	0.0011	mg/Kg wet	0.0113	100	70-130			
2-Hexanone (MBK)	0.0131	0.0011	mg/Kg wet	0.0113	115	70-130			
Isopropylbenzene (Cumene)	0.100	0.011	mg/Kg wet	0.113	88.6	40-160			†
p-Isopropyltoluene (p-Cymene)	0.0114	0.0011	mg/Kg wet	0.0113	101	70-130			
Methyl tert-Butyl Ether (MTBE)	0.0113	0.0011	mg/Kg wet	0.0113	99.8	70-130			
Methylene Chloride	0.00958	0.0011	mg/Kg wet	0.0113	84.5	70-130			
4-Methyl-2-pentanone (MIBK)	0.00819	0.0057	mg/Kg wet	0.0113	72.3	70-130			
Naphthalene	0.0936	0.011	mg/Kg wet	0.113	82.6	40-160			†
n-Propylbenzene	0.0120	0.0023	mg/Kg wet	0.0113	88.9	70-130			
Styrene	0.0115	0.0011	mg/Kg wet	0.0113	102	70-130			
1,1,1,2-Tetrachloroethane	0.0112	0.0011	mg/Kg wet	0.0113	98.8	70-130			
1,1,2,2-Tetrachloroethane	0.0121	0.0011	mg/Kg wet	0.0113	107	70-130			
Tetrachloroethylene	0.0138	0.00057	mg/Kg wet	0.0113	87.0	70-130			
Tetrahydrofuran	0.0122	0.0011	mg/Kg wet	0.0113	122	70-130			
Toluene	0.0116	0.0045	mg/Kg wet	0.0113	93.2	70-130			
1,2,3-Trichlorobenzene	0.0127	0.0011	mg/Kg wet	0.0113	103	70-130			
1,2,4-Trichlorobenzene	0.0107	0.0011	mg/Kg wet	0.0113	106	70-130			
1,1,1-Trichloroethane	0.0119	0.0011	mg/Kg wet	0.0113	112	70-130			
1,1,2-Trichloroethane	0.0128	0.0011	mg/Kg wet	0.0113	94.0	70-130			
Trichloroethylene	0.0112	0.0011	mg/Kg wet	0.0113	105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0221	0.0011	mg/Kg wet	0.0113	113	70-130			
Surrogate: Toluene-d8	0.0284	0.0023	mg/Kg wet	0.0227	99.2	70-130			
Surrogate: 4-Bromofluorobenzene	0.0259	mg/Kg wet	0.0283	91.5	70-130				
	0.0276	mg/Kg wet	0.0283	97.3	70-130				
	0.0284	mg/Kg wet	0.0283	100	70-130				

QUALITY CONTROL**Volatile Organic Compounds by GC/MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B127014 - SW-846 5035										
LCS Dup (B127014-BSD1)										
Prepared: 07/24/15 Analyzed: 07/26/15										
Acetone	0.112	0.057	mg/Kg wet	0.113	98.6	40-160	11.5	20		†
tert-Amyl Methyl Ether (TAME)	0.00979	0.00057	mg/Kg wet	0.0113	86.4	70-130	3.41	20		
Benzene	0.0115	0.0011	mg/Kg wet	0.0113	101	70-130	0.792	20		
Bromobenzene	0.0115	0.0011	mg/Kg wet	0.0113	102	70-130	2.42	20		
Bromoform	0.0117	0.0011	mg/Kg wet	0.0113	103	70-130	1.54	20		
Bromochloromethane	0.0108	0.0011	mg/Kg wet	0.0113	95.3	70-130	2.49	20		
Bromodichloromethane	0.0120	0.0011	mg/Kg wet	0.0113	106	70-130	1.33	20		
Bromomethane	0.00147	0.0023	mg/Kg wet	0.0113	13.0 *	40-160	13.1	20	L-04, V-05	†
2-Butanone (MEK)	0.126	0.023	mg/Kg wet	0.113	111	40-160	16.3	20		†
n-Butylbenzene	0.0107	0.0011	mg/Kg wet	0.0113	94.1	70-130	1.89	20		
sec-Butylbenzene	0.0112	0.0011	mg/Kg wet	0.0113	98.6	70-130	2.60	20		
tert-Butylbenzene	0.0115	0.0011	mg/Kg wet	0.0113	102	70-130	1.37	20		
tert-Butyl Ethyl Ether (TBEE)	0.0106	0.00057	mg/Kg wet	0.0113	93.6	70-130	2.38	20		
Carbon Disulfide	0.0113	0.011	mg/Kg wet	0.0113	100	70-130	6.66	20		
Carbon Tetrachloride	0.0109	0.0011	mg/Kg wet	0.0113	96.2	70-130	2.67	20		
Chlorobenzene	0.0118	0.0011	mg/Kg wet	0.0113	104	70-130	1.90	20		
Chlorodibromomethane	0.0105	0.00057	mg/Kg wet	0.0113	92.5	70-130	5.37	20		
Chloroethane	0.00944	0.0023	mg/Kg wet	0.0113	83.3	70-130	6.70	20		
Chloroform	0.0102	0.0023	mg/Kg wet	0.0113	90.2	70-130	0.556	20		
Chloromethane	0.00706	0.0023	mg/Kg wet	0.0113	62.3	40-160	0.161	20		†
2-Chlorotoluene	0.0109	0.0011	mg/Kg wet	0.0113	96.4	70-130	6.33	20		
4-Chlorotoluene	0.0108	0.0011	mg/Kg wet	0.0113	95.5	70-130	2.07	20		
1,2-Dibromo-3-chloropropane (DBCP)	0.00995	0.0045	mg/Kg wet	0.0113	87.8	70-130	13.6	20		
1,2-Dibromoethane (EDB)	0.0115	0.00057	mg/Kg wet	0.0113	102	70-130	2.23	20		
Dibromomethane	0.0115	0.0011	mg/Kg wet	0.0113	102	70-130	4.34	20		
1,2-Dichlorobenzene	0.0116	0.0011	mg/Kg wet	0.0113	103	70-130	1.36	20		
1,3-Dichlorobenzene	0.0116	0.0011	mg/Kg wet	0.0113	102	70-130	0.975	20		
1,4-Dichlorobenzene	0.0114	0.0011	mg/Kg wet	0.0113	100	70-130	1.39	20		
Dichlorodifluoromethane (Freon 12)	0.00376	0.0023	mg/Kg wet	0.0113	33.2 *	40-160	2.38	20	L-04, V-05	†
1,1-Dichloroethane	0.0117	0.0011	mg/Kg wet	0.0113	104	70-130	1.44	20		
1,2-Dichloroethane	0.0106	0.0011	mg/Kg wet	0.0113	93.7	70-130	2.84	20		
1,1-Dichloroethylene	0.0109	0.0011	mg/Kg wet	0.0113	96.4	70-130	1.54	20		
cis-1,2-Dichloroethylene	0.0113	0.0011	mg/Kg wet	0.0113	99.3	70-130	1.90	20		
trans-1,2-Dichloroethylene	0.0112	0.0011	mg/Kg wet	0.0113	98.6	70-130	0.506	20		
1,2-Dichloropropane	0.0122	0.0011	mg/Kg wet	0.0113	108	70-130	5.08	20		
1,3-Dichloropropane	0.0110	0.00057	mg/Kg wet	0.0113	96.7	70-130	3.75	20		
2,2-Dichloropropane	0.00879	0.0011	mg/Kg wet	0.0113	77.6	70-130	2.54	20		
1,1-Dichloropropene	0.0115	0.0023	mg/Kg wet	0.0113	101	70-130	2.54	20		
cis-1,3-Dichloropropene	0.0112	0.00057	mg/Kg wet	0.0113	99.2	70-130	5.97	20		
trans-1,3-Dichloropropene	0.0121	0.00057	mg/Kg wet	0.0113	107	70-130	0.745	20		
Diethyl Ether	0.00806	0.0023	mg/Kg wet	0.0113	71.1	70-130	13.0	20		
Diisopropyl Ether (DIPE)	0.0112	0.00057	mg/Kg wet	0.0113	99.2	70-130	4.12	20		
1,4-Dioxane	0.0876	0.057	mg/Kg wet	0.113	77.3	40-160	23.1 *	20	R-05, V-16	†
Ethylbenzene	0.0112	0.0011	mg/Kg wet	0.0113	98.5	70-130	1.51	20		
Hexachlorobutadiene	0.0134	0.0011	mg/Kg wet	0.0113	118	70-130	2.14	20		
2-Hexanone (MBK)	0.111	0.011	mg/Kg wet	0.113	97.9	40-160	9.98	20		†
Isopropylbenzene (Cumene)	0.0113	0.0011	mg/Kg wet	0.0113	99.5	70-130	1.40	20		
p-Isopropyltoluene (p-Cymene)	0.0114	0.0011	mg/Kg wet	0.0113	100	70-130	0.400	20		
Methyl tert-Butyl Ether (MTBE)	0.0100	0.0011	mg/Kg wet	0.0113	88.3	70-130	4.40	20		
Methylene Chloride	0.00847	0.0057	mg/Kg wet	0.0113	74.7	70-130	3.27	20		
4-Methyl-2-pentanone (MIBK)	0.101	0.011	mg/Kg wet	0.113	89.1	40-160	7.61	20		†
Naphthalene	0.0116	0.0023	mg/Kg wet	0.0113	102	70-130	13.8	20		

QUALITY CONTROL**Volatile Organic Compounds by GC/MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B127014 - SW-846 5035

LCS Dup (B127014-BSD1)									
Prepared: 07/24/15 Analyzed: 07/26/15									
n-Propylbenzene	0.0112	0.0011	mg/Kg wet	0.0113	98.6	70-130	3.29	20	
Styrene	0.0110	0.0011	mg/Kg wet	0.0113	97.4	70-130	1.43	20	
1,1,1,2-Tetrachloroethane	0.0118	0.0011	mg/Kg wet	0.0113	104	70-130	3.23	20	
1,1,2,2-Tetrachloroethane	0.0102	0.00057	mg/Kg wet	0.0113	89.9	70-130	3.28	20	
Tetrachloroethylene	0.0128	0.0011	mg/Kg wet	0.0113	113	70-130	6.98	20	
Tetrahydrofuran	0.0117	0.0045	mg/Kg wet	0.0113	103	70-130	9.89	20	
Toluene	0.0110	0.0011	mg/Kg wet	0.0113	96.7	70-130	6.02	20	
1,2,3-Trichlorobenzene	0.0130	0.0045	mg/Kg wet	0.0113	115	70-130	7.70	20	
1,2,4-Trichlorobenzene	0.0130	0.0011	mg/Kg wet	0.0113	115	70-130	2.20	20	
1,1,1-Trichloroethane	0.0106	0.0011	mg/Kg wet	0.0113	93.4	70-130	0.640	20	
1,1,2-Trichloroethane	0.0113	0.0011	mg/Kg wet	0.0113	99.4	70-130	5.48	20	
Trichloroethylene	0.0126	0.0011	mg/Kg wet	0.0113	112	70-130	1.51	20	
Trichlorofluoromethane (Freon 11)	0.00713	0.0023	mg/Kg wet	0.0113	62.9 *	70-130	3.59	20	V-05, L-04
1,2,3-Trichloropropane	0.0114	0.0023	mg/Kg wet	0.0113	100	70-130	8.75	20	
1,2,4-Trimethylbenzene	0.0111	0.0011	mg/Kg wet	0.0113	98.3	70-130	2.11	20	
1,3,5-Trimethylbenzene	0.0104	0.0011	mg/Kg wet	0.0113	91.7	70-130	1.08	20	
Vinyl Chloride	0.00719	0.0023	mg/Kg wet	0.0113	63.4 *	70-130	10.5	20	L-07, V-05
m+p Xylene	0.0217	0.0023	mg/Kg wet	0.0227	96.0	70-130	1.60	20	
o-Xylene	0.0110	0.0011	mg/Kg wet	0.0113	97.2	70-130	2.04	20	
Surrogate: 1,2-Dichloroethane-d4	0.0261		mg/Kg wet	0.0283	92.0	70-130			
Surrogate: Toluene-d8	0.0270		mg/Kg wet	0.0283	95.1	70-130			
Surrogate: 4-Bromofluorobenzene	0.0284		mg/Kg wet	0.0283	100	70-130			

Batch B127069 - SW-846 5035

Blank (B127069-BLK1)									
Prepared & Analyzed: 07/24/15									
Acetone	ND	0.10	mg/Kg wet						
tert-Amyl Methyl Ether (TAME)	ND	0.0010	mg/Kg wet						
Benzene	ND	0.0020	mg/Kg wet						
Bromobenzene	ND	0.0020	mg/Kg wet						
Bromochloromethane	ND	0.0020	mg/Kg wet						
Bromodichloromethane	ND	0.0020	mg/Kg wet						
Bromoform	ND	0.0020	mg/Kg wet						
Bromomethane	ND	0.010	mg/Kg wet						
2-Butanone (MEK)	ND	0.040	mg/Kg wet						
n-Butylbenzene	ND	0.0020	mg/Kg wet						
sec-Butylbenzene	ND	0.0020	mg/Kg wet						
tert-Butylbenzene	ND	0.0020	mg/Kg wet						
tert-Butyl Ethyl Ether (TBEE)	ND	0.0010	mg/Kg wet						
Carbon Disulfide	ND	0.0060	mg/Kg wet						
Carbon Tetrachloride	ND	0.0020	mg/Kg wet						
Chlorobenzene	ND	0.0020	mg/Kg wet						
Chlorodibromomethane	ND	0.0010	mg/Kg wet						
Chloroethane	ND	0.010	mg/Kg wet						
Chloroform	ND	0.0040	mg/Kg wet						
Chloromethane	ND	0.010	mg/Kg wet						
2-Chlorotoluene	ND	0.0020	mg/Kg wet						
4-Chlorotoluene	ND	0.0020	mg/Kg wet						
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg wet						
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg wet						
Dibromomethane	ND	0.0020	mg/Kg wet						
1,2-Dichlorobenzene	ND	0.0020	mg/Kg wet						
1,3-Dichlorobenzene	ND	0.0020	mg/Kg wet						



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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	Limit Notes
Batch B127069 - SW-846 5035									
Blank (B127069-BLK1)									
Prepared & Analyzed: 07/24/15									
1,4-Dichlorobenzene	ND	0.0020	mg/Kg wet						
Dichlorodifluoromethane (Freon 12)	ND	0.010	mg/Kg wet						
1,1-Dichloroethane	ND	0.0020	mg/Kg wet						
1,2-Dichloroethane	ND	0.0020	mg/Kg wet						
1,1-Dichloroethylene	ND	0.0040	mg/Kg wet						
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet						
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet						
1,2-Dichloropropane	ND	0.0020	mg/Kg wet						
1,3-Dichloropropane	ND	0.0010	mg/Kg wet						
2,2-Dichloropropane	ND	0.0020	mg/Kg wet						
1,1-Dichloropropene	ND	0.0020	mg/Kg wet						
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg wet						
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg wet						
Diethyl Ether	ND	0.010	mg/Kg wet						
Diisopropyl Ether (DIPE)	ND	0.0010	mg/Kg wet						
1,4-Dioxane	ND	0.10	mg/Kg wet						
Ethylbenzene	ND	0.0020	mg/Kg wet						
Hexachlorobutadiene	ND	0.0020	mg/Kg wet						
2-Hexanone (MBK)	ND	0.020	mg/Kg wet						
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg wet						
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg wet						
Methyl tert-Butyl Ether (MTBE)	ND	0.0040	mg/Kg wet						
Methylene Chloride	ND	0.010	mg/Kg wet						
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg wet						
Naphthalene	ND	0.0040	mg/Kg wet						V-05
n-Propylbenzene	ND	0.0020	mg/Kg wet						
Styrene	ND	0.0020	mg/Kg wet						
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg wet						
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg wet						
Tetrachloroethylene	ND	0.0020	mg/Kg wet						
Tetrahydrofuran	ND	0.010	mg/Kg wet						
Toluene	ND	0.0020	mg/Kg wet						
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg wet						
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg wet						
1,1,1-Trichloroethane	ND	0.0020	mg/Kg wet						
1,1,2-Trichloroethane	ND	0.0020	mg/Kg wet						
Trichloroethylene	ND	0.0020	mg/Kg wet						
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet						
1,2,3-Trichloropropane	ND	0.0020	mg/Kg wet						
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg wet						
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg wet						
Vinyl Chloride	ND	0.010	mg/Kg wet						
m+p Xylene	ND	0.0040	mg/Kg wet						
o-Xylene	ND	0.0020	mg/Kg wet						
Surrogate: 1,2-Dichloroethane-d4	0.0471	mg/Kg wet	0.0500		94.2	70-130			
Surrogate: Toluene-d8	0.0474	mg/Kg wet	0.0500		94.7	70-130			
Surrogate: 4-Bromofluorobenzene	0.0504	mg/Kg wet	0.0500		101	70-130			

QUALITY CONTROL**Volatile Organic Compounds by GC/MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	Limit Notes
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Batch B127069 - SW-846 5035

LCS (B127069-BS1)	Prepared & Analyzed: 07/24/15							
Acetone	0.171	0.10	mg/Kg wet	0.200	85.6	40-160		†
tert-Amyl Methyl Ether (TAME)	0.0205	0.0010	mg/Kg wet	0.0200	103	70-130		
Benzene	0.0208	0.0020	mg/Kg wet	0.0200	104	70-130		
Bromobenzene	0.0223	0.0020	mg/Kg wet	0.0200	111	70-130		
Bromoform	0.0229	0.0020	mg/Kg wet	0.0200	114	70-130		
Bromochloromethane	0.0205	0.0020	mg/Kg wet	0.0200	102	70-130		
Bromodichloromethane	0.0234	0.0020	mg/Kg wet	0.0200	117	70-130		
Bromomethane	0.0122	0.010	mg/Kg wet	0.0200	60.9	40-160		†
2-Butanone (MEK)	0.168	0.040	mg/Kg wet	0.200	83.8	40-160		†
n-Butylbenzene	0.0221	0.0020	mg/Kg wet	0.0200	110	70-130		
sec-Butylbenzene	0.0240	0.0020	mg/Kg wet	0.0200	120	70-130		
tert-Butylbenzene	0.0237	0.0020	mg/Kg wet	0.0200	119	70-130		
tert-Butyl Ethyl Ether (TBEE)	0.0292	0.0010	mg/Kg wet	0.0200	146 *	70-130	L-06	
Carbon Disulfide	0.0220	0.0060	mg/Kg wet	0.0200	110	70-130		
Carbon Tetrachloride	0.0215	0.0020	mg/Kg wet	0.0200	108	70-130		
Chlorobenzene	0.0231	0.0020	mg/Kg wet	0.0200	116	70-130		
Chlorodibromomethane	0.0211	0.0010	mg/Kg wet	0.0200	105	70-130		
Chloroethane	0.0193	0.010	mg/Kg wet	0.0200	96.7	70-130		
Chloroform	0.0212	0.0040	mg/Kg wet	0.0200	106	70-130		
Chloromethane	0.0150	0.010	mg/Kg wet	0.0200	75.2	40-160		†
2-Chlorotoluene	0.0231	0.0020	mg/Kg wet	0.0200	116	70-130		
4-Chlorotoluene	0.0216	0.0020	mg/Kg wet	0.0200	108	70-130		
1,2-Dibromo-3-chloropropane (DBCP)	0.0226	0.0020	mg/Kg wet	0.0200	113	70-130		
1,2-Dibromoethane (EDB)	0.0226	0.0010	mg/Kg wet	0.0200	113	70-130		
Dibromomethane	0.0219	0.0020	mg/Kg wet	0.0200	110	70-130		
1,2-Dichlorobenzene	0.0231	0.0020	mg/Kg wet	0.0200	116	70-130		
1,3-Dichlorobenzene	0.0237	0.0020	mg/Kg wet	0.0200	118	70-130		
1,4-Dichlorobenzene	0.0225	0.0020	mg/Kg wet	0.0200	113	70-130		
Dichlorodifluoromethane (Freon 12)	0.00908	0.010	mg/Kg wet	0.0200	45.4	40-160		†
1,1-Dichloroethane	0.0220	0.0020	mg/Kg wet	0.0200	110	70-130		
1,2-Dichloroethane	0.0203	0.0020	mg/Kg wet	0.0200	101	70-130		
1,1-Dichloroethylene	0.0198	0.0040	mg/Kg wet	0.0200	99.2	70-130		
cis-1,2-Dichloroethylene	0.0198	0.0020	mg/Kg wet	0.0200	99.0	70-130		
trans-1,2-Dichloroethylene	0.0197	0.0020	mg/Kg wet	0.0200	98.6	70-130		
1,2-Dichloropropane	0.0219	0.0020	mg/Kg wet	0.0200	109	70-130		
1,3-Dichloropropane	0.0206	0.0010	mg/Kg wet	0.0200	103	70-130		
2,2-Dichloropropane	0.0248	0.0020	mg/Kg wet	0.0200	124	70-130		
1,1-Dichloropropene	0.0213	0.0020	mg/Kg wet	0.0200	106	70-130		
cis-1,3-Dichloropropene	0.0202	0.0010	mg/Kg wet	0.0200	101	70-130		
trans-1,3-Dichloropropene	0.0201	0.0010	mg/Kg wet	0.0200	101	70-130		
Diethyl Ether	0.0197	0.010	mg/Kg wet	0.0200	98.4	70-130		
Diisopropyl Ether (DIPE)	0.0187	0.0010	mg/Kg wet	0.0200	93.7	70-130		
1,4-Dioxane	0.176	0.10	mg/Kg wet	0.200	88.1	40-160		†
Ethylbenzene	0.0230	0.0020	mg/Kg wet	0.0200	115	70-130		
Hexachlorobutadiene	0.0228	0.0020	mg/Kg wet	0.0200	114	70-130		
2-Hexanone (MBK)	0.184	0.020	mg/Kg wet	0.200	91.9	40-160		†
Isopropylbenzene (Cumene)	0.0233	0.0020	mg/Kg wet	0.0200	116	70-130		
p-Isopropyltoluene (p-Cymene)	0.0233	0.0020	mg/Kg wet	0.0200	116	70-130		
Methyl tert-Butyl Ether (MTBE)	0.0210	0.0040	mg/Kg wet	0.0200	105	70-130		
Methylene Chloride	0.0188	0.010	mg/Kg wet	0.0200	94.1	70-130		
4-Methyl-2-pentanone (MIBK)	0.185	0.020	mg/Kg wet	0.200	92.5	40-160		†
Naphthalene	0.0188	0.0040	mg/Kg wet	0.0200	94.1	70-130	V-05	

QUALITY CONTROL**Volatile Organic Compounds by GC/MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B127069 - SW-846 5035

LCS (B127069-BS1)							Prepared & Analyzed: 07/24/15			
n-Propylbenzene	0.0229	0.0020	mg/Kg wet	0.0200	114	70-130				
Styrene	0.0217	0.0020	mg/Kg wet	0.0200	108	70-130				
1,1,1,2-Tetrachloroethane	0.0223	0.0020	mg/Kg wet	0.0200	111	70-130				
1,1,2,2-Tetrachloroethane	0.0220	0.0010	mg/Kg wet	0.0200	110	70-130				
Tetrachloroethylene	0.0239	0.0020	mg/Kg wet	0.0200	119	70-130				
Tetrahydrofuran	0.0158	0.010	mg/Kg wet	0.0200	78.9	70-130				
Toluene	0.0217	0.0020	mg/Kg wet	0.0200	108	70-130				
1,2,3-Trichlorobenzene	0.0189	0.0020	mg/Kg wet	0.0200	94.7	70-130				
1,2,4-Trichlorobenzene	0.0191	0.0020	mg/Kg wet	0.0200	95.5	70-130				
1,1,1-Trichloroethane	0.0215	0.0020	mg/Kg wet	0.0200	108	70-130				
1,1,2-Trichloroethane	0.0216	0.0020	mg/Kg wet	0.0200	108	70-130				
Trichloroethylene	0.0224	0.0020	mg/Kg wet	0.0200	112	70-130				
Trichlorofluoromethane (Freon 11)	0.0186	0.010	mg/Kg wet	0.0200	92.8	70-130				
1,2,3-Trichloropropane	0.0237	0.0020	mg/Kg wet	0.0200	118	70-130				
1,2,4-Trimethylbenzene	0.0229	0.0020	mg/Kg wet	0.0200	115	70-130				
1,3,5-Trimethylbenzene	0.0210	0.0020	mg/Kg wet	0.0200	105	70-130				
Vinyl Chloride	0.0162	0.010	mg/Kg wet	0.0200	81.1	70-130				
m+p Xylene	0.0451	0.0040	mg/Kg wet	0.0400	113	70-130				
o-Xylene	0.0228	0.0020	mg/Kg wet	0.0200	114	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.0475		mg/Kg wet	0.0500	95.0	70-130				
Surrogate: Toluene-d8	0.0490		mg/Kg wet	0.0500	97.9	70-130				
Surrogate: 4-Bromofluorobenzene	0.0528		mg/Kg wet	0.0500	106	70-130				

LCS Dup (B127069-BS1D)							Prepared & Analyzed: 07/24/15			
Acetone	0.175	0.10	mg/Kg wet	0.200	87.4	40-160	2.06	20		†
tert-Amyl Methyl Ether (TAME)	0.0212	0.0010	mg/Kg wet	0.0200	106	70-130	3.35	20		
Benzene	0.0213	0.0020	mg/Kg wet	0.0200	106	70-130	2.00	20		
Bromobenzene	0.0231	0.0020	mg/Kg wet	0.0200	116	70-130	3.70	20		
Bromochloromethane	0.0243	0.0020	mg/Kg wet	0.0200	122	70-130	5.93	20		
Bromodichloromethane	0.0214	0.0020	mg/Kg wet	0.0200	107	70-130	4.21	20		
Bromoform	0.0240	0.0020	mg/Kg wet	0.0200	120	70-130	2.62	20		
Bromomethane	0.0150	0.010	mg/Kg wet	0.0200	75.2	40-160	21.0	*	20	L-07
2-Butanone (MEK)	0.176	0.040	mg/Kg wet	0.200	88.1	40-160	5.06	20		†
n-Butylbenzene	0.0227	0.0020	mg/Kg wet	0.0200	113	70-130	2.59	20		
sec-Butylbenzene	0.0247	0.0020	mg/Kg wet	0.0200	124	70-130	2.96	20		
tert-Butylbenzene	0.0242	0.0020	mg/Kg wet	0.0200	121	70-130	2.08	20		
tert-Butyl Ethyl Ether (TBEE)	0.0303	0.0010	mg/Kg wet	0.0200	151	*	70-130	3.63	20	L-06
Carbon Disulfide	0.0226	0.0060	mg/Kg wet	0.0200	113	70-130	2.42	20		
Carbon Tetrachloride	0.0217	0.0020	mg/Kg wet	0.0200	109	70-130	0.924	20		
Chlorobenzene	0.0245	0.0020	mg/Kg wet	0.0200	123	70-130	5.79	20		
Chlorodibromomethane	0.0218	0.0010	mg/Kg wet	0.0200	109	70-130	3.17	20		
Chloroethane	0.0186	0.010	mg/Kg wet	0.0200	92.8	70-130	4.12	20		
Chloroform	0.0215	0.0040	mg/Kg wet	0.0200	108	70-130	1.31	20		
Chloromethane	0.0155	0.010	mg/Kg wet	0.0200	77.5	40-160	3.01	20		†
2-Chlorotoluene	0.0239	0.0020	mg/Kg wet	0.0200	120	70-130	3.23	20		
4-Chlorotoluene	0.0222	0.0020	mg/Kg wet	0.0200	111	70-130	2.93	20		
1,2-Dibromo-3-chloropropane (DBCP)	0.0233	0.0020	mg/Kg wet	0.0200	117	70-130	3.14	20		
1,2-Dibromoethane (EDB)	0.0229	0.0010	mg/Kg wet	0.0200	114	70-130	0.967	20		
Dibromomethane	0.0222	0.0020	mg/Kg wet	0.0200	111	70-130	1.18	20		
1,2-Dichlorobenzene	0.0241	0.0020	mg/Kg wet	0.0200	120	70-130	4.15	20		
1,3-Dichlorobenzene	0.0241	0.0020	mg/Kg wet	0.0200	120	70-130	1.51	20		
1,4-Dichlorobenzene	0.0231	0.0020	mg/Kg wet	0.0200	115	70-130	2.37	20		

QUALITY CONTROL**Volatile Organic Compounds by GC/MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B127069 - SW-846 5035										
LCS Dup (B127069-BSD1)										
Prepared & Analyzed: 07/24/15										
Dichlorodifluoromethane (Freon 12)	0.00940	0.010	mg/Kg wet	0.0200	47.0	40-160	3.46	20		†
1,1-Dichloroethane	0.0227	0.0020	mg/Kg wet	0.0200	114	70-130	3.22	20		
1,2-Dichloroethane	0.0211	0.0020	mg/Kg wet	0.0200	106	70-130	4.16	20		
1,1-Dichloroethylene	0.0204	0.0040	mg/Kg wet	0.0200	102	70-130	2.98	20		
cis-1,2-Dichloroethylene	0.0200	0.0020	mg/Kg wet	0.0200	99.9	70-130	0.905	20		
trans-1,2-Dichloroethylene	0.0204	0.0020	mg/Kg wet	0.0200	102	70-130	3.29	20		
1,2-Dichloropropane	0.0221	0.0020	mg/Kg wet	0.0200	111	70-130	1.27	20		
1,3-Dichloropropane	0.0212	0.0010	mg/Kg wet	0.0200	106	70-130	2.87	20		
2,2-Dichloropropane	0.0265	0.0020	mg/Kg wet	0.0200	132	*	70-130	6.48	20	L-05
1,1-Dichloropropene	0.0215	0.0020	mg/Kg wet	0.0200	107	70-130	0.748	20		
cis-1,3-Dichloropropene	0.0205	0.0010	mg/Kg wet	0.0200	102	70-130	1.48	20		
trans-1,3-Dichloropropene	0.0207	0.0010	mg/Kg wet	0.0200	103	70-130	2.65	20		
Diethyl Ether	0.0209	0.010	mg/Kg wet	0.0200	105	70-130	6.20	20		
Diisopropyl Ether (DIPE)	0.0194	0.0010	mg/Kg wet	0.0200	96.9	70-130	3.36	20		
1,4-Dioxane	0.208	0.10	mg/Kg wet	0.200	104	40-160	16.7	20		†
Ethylbenzene	0.0236	0.0020	mg/Kg wet	0.0200	118	70-130	2.66	20		
Hexachlorobutadiene	0.0237	0.0020	mg/Kg wet	0.0200	118	70-130	3.87	20		
2-Hexanone (MBK)	0.194	0.020	mg/Kg wet	0.200	97.0	40-160	5.39	20		†
Isopropylbenzene (Cumene)	0.0241	0.0020	mg/Kg wet	0.0200	120	70-130	3.30	20		
p-Isopropyltoluene (p-Cymene)	0.0238	0.0020	mg/Kg wet	0.0200	119	70-130	2.46	20		
Methyl tert-Butyl Ether (MTBE)	0.0219	0.0040	mg/Kg wet	0.0200	110	70-130	4.39	20		
Methylene Chloride	0.0197	0.010	mg/Kg wet	0.0200	98.7	70-130	4.77	20		
4-Methyl-2-pentanone (MIBK)	0.195	0.020	mg/Kg wet	0.200	97.4	40-160	5.12	20		†
Naphthalene	0.0198	0.0040	mg/Kg wet	0.0200	99.1	70-130	5.18	20		V-05
n-Propylbenzene	0.0236	0.0020	mg/Kg wet	0.0200	118	70-130	3.35	20		
Styrene	0.0221	0.0020	mg/Kg wet	0.0200	111	70-130	1.92	20		
1,1,1,2-Tetrachloroethane	0.0232	0.0020	mg/Kg wet	0.0200	116	70-130	4.05	20		
1,1,2,2-Tetrachloroethane	0.0236	0.0010	mg/Kg wet	0.0200	118	70-130	7.28	20		
Tetrachloroethylene	0.0241	0.0020	mg/Kg wet	0.0200	121	70-130	1.17	20		
Tetrahydrofuran	0.0193	0.010	mg/Kg wet	0.0200	96.5	70-130	20.1	* 20		L-07
Toluene	0.0219	0.0020	mg/Kg wet	0.0200	109	70-130	0.735	20		
1,2,3-Trichlorobenzene	0.0197	0.0020	mg/Kg wet	0.0200	98.6	70-130	4.04	20		
1,2,4-Trichlorobenzene	0.0196	0.0020	mg/Kg wet	0.0200	98.1	70-130	2.69	20		
1,1,1-Trichloroethane	0.0219	0.0020	mg/Kg wet	0.0200	109	70-130	1.57	20		
1,1,2-Trichloroethane	0.0225	0.0020	mg/Kg wet	0.0200	112	70-130	3.81	20		
Trichloroethylene	0.0229	0.0020	mg/Kg wet	0.0200	114	70-130	2.03	20		
Trichlorofluoromethane (Freon 11)	0.0193	0.010	mg/Kg wet	0.0200	96.5	70-130	3.91	20		
1,2,3-Trichloropropane	0.0237	0.0020	mg/Kg wet	0.0200	118	70-130	0.0844	20		
1,2,4-Trimethylbenzene	0.0233	0.0020	mg/Kg wet	0.0200	117	70-130	1.73	20		
1,3,5-Trimethylbenzene	0.0213	0.0020	mg/Kg wet	0.0200	106	70-130	1.61	20		
Vinyl Chloride	0.0171	0.010	mg/Kg wet	0.0200	85.7	70-130	5.52	20		
m+p Xylene	0.0466	0.0040	mg/Kg wet	0.0400	116	70-130	3.14	20		
o-Xylene	0.0234	0.0020	mg/Kg wet	0.0200	117	70-130	2.34	20		
Surrogate: 1,2-Dichloroethane-d4	0.0474		mg/Kg wet	0.0500	94.8	70-130				
Surrogate: Toluene-d8	0.0498		mg/Kg wet	0.0500	99.6	70-130				
Surrogate: 4-Bromofluorobenzene	0.0523		mg/Kg wet	0.0500	105	70-130				

QUALITY CONTROL**Volatile Organic Compounds by GC/MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	Limit Notes
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Batch B127125 - SW-846 5035

Blank (B127125-BLK1)									Prepared: 07/27/15 Analyzed: 07/29/15
Acetone	ND	2.5	mg/Kg wet						
tert-Amyl Methyl Ether (TAME)	ND	0.025	mg/Kg wet						
Benzene	ND	0.050	mg/Kg wet						
Bromobenzene	ND	0.050	mg/Kg wet						
Bromoform	ND	0.050	mg/Kg wet						
Bromomethane	ND	0.10	mg/Kg wet						L-04, V-05
2-Butanone (MEK)	ND	1.0	mg/Kg wet						
n-Butylbenzene	ND	0.050	mg/Kg wet						
sec-Butylbenzene	ND	0.050	mg/Kg wet						
tert-Butylbenzene	ND	0.050	mg/Kg wet						
tert-Butyl Ethyl Ether (TBEE)	ND	0.025	mg/Kg wet						
Carbon Disulfide	ND	0.50	mg/Kg wet						
Carbon Tetrachloride	ND	0.050	mg/Kg wet						
Chlorobenzene	ND	0.050	mg/Kg wet						
Chlorodibromomethane	ND	0.025	mg/Kg wet						
Chloroethane	ND	0.10	mg/Kg wet						
Chloroform	ND	0.10	mg/Kg wet						
Chloromethane	ND	0.10	mg/Kg wet						V-05
2-Chlorotoluene	ND	0.050	mg/Kg wet						
4-Chlorotoluene	ND	0.050	mg/Kg wet						
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.20	mg/Kg wet						
1,2-Dibromoethane (EDB)	ND	0.025	mg/Kg wet						
Dibromomethane	ND	0.050	mg/Kg wet						
1,2-Dichlorobenzene	ND	0.050	mg/Kg wet						
1,3-Dichlorobenzene	ND	0.050	mg/Kg wet						
1,4-Dichlorobenzene	ND	0.050	mg/Kg wet						
Dichlorodifluoromethane (Freon 12)	ND	0.10	mg/Kg wet						L-04, V-05
1,1-Dichloroethane	ND	0.050	mg/Kg wet						
1,2-Dichloroethane	ND	0.050	mg/Kg wet						
1,1-Dichloroethylene	ND	0.050	mg/Kg wet						
cis-1,2-Dichloroethylene	ND	0.050	mg/Kg wet						
trans-1,2-Dichloroethylene	ND	0.050	mg/Kg wet						
1,2-Dichloropropene	ND	0.050	mg/Kg wet						
1,3-Dichloropropene	ND	0.025	mg/Kg wet						
2,2-Dichloropropene	ND	0.050	mg/Kg wet						
1,1-Dichloropropene	ND	0.10	mg/Kg wet						
cis-1,3-Dichloropropene	ND	0.025	mg/Kg wet						
trans-1,3-Dichloropropene	ND	0.025	mg/Kg wet						
Diethyl Ether	ND	0.10	mg/Kg wet						
Diisopropyl Ether (DIPE)	ND	0.025	mg/Kg wet						
1,4-Dioxane	ND	2.5	mg/Kg wet						V-05, V-16
Ethylbenzene	ND	0.050	mg/Kg wet						
Hexachlorobutadiene	ND	0.050	mg/Kg wet						
2-Hexanone (MBK)	ND	0.50	mg/Kg wet						
Isopropylbenzene (Cumene)	ND	0.050	mg/Kg wet						
p-Isopropyltoluene (p-Cymene)	ND	0.050	mg/Kg wet						
Methyl tert-Butyl Ether (MTBE)	ND	0.050	mg/Kg wet						
Methylene Chloride	ND	0.25	mg/Kg wet						
4-Methyl-2-pentanone (MIBK)	ND	0.50	mg/Kg wet						
Naphthalene	ND	0.10	mg/Kg wet						

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QUALITY CONTROL**Volatile Organic Compounds by GC/MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	Limit Notes
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Batch B127125 - SW-846 5035

Blank (B127125-BLK1)									
Prepared: 07/27/15 Analyzed: 07/29/15									
n-Propylbenzene	ND	0.050	mg/Kg wet						
Styrene	ND	0.050	mg/Kg wet						
1,1,1,2-Tetrachloroethane	ND	0.050	mg/Kg wet						
1,1,2,2-Tetrachloroethane	ND	0.025	mg/Kg wet						
Tetrachloroethylene	ND	0.050	mg/Kg wet						
Tetrahydrofuran	ND	0.20	mg/Kg wet						
Toluene	ND	0.050	mg/Kg wet						
1,2,3-Trichlorobenzene	ND	0.20	mg/Kg wet						
1,2,4-Trichlorobenzene	ND	0.050	mg/Kg wet						
1,1,1-Trichloroethane	ND	0.050	mg/Kg wet						
1,1,2-Trichloroethane	ND	0.050	mg/Kg wet						
Trichloroethylene	ND	0.050	mg/Kg wet						
Trichlorofluoromethane (Freon 11)	ND	0.10	mg/Kg wet						L-04, V-05
1,2,3-Trichloropropane	ND	0.10	mg/Kg wet						
1,2,4-Trimethylbenzene	ND	0.050	mg/Kg wet						
1,3,5-Trimethylbenzene	ND	0.050	mg/Kg wet						
Vinyl Chloride	ND	0.10	mg/Kg wet						V-05
m+p Xylene	ND	0.10	mg/Kg wet						
o-Xylene	ND	0.050	mg/Kg wet						
Surrogate: 1,2-Dichloroethane-d4	0.0219		mg/Kg wet	0.0250		87.6	70-130		
Surrogate: Toluene-d8	0.0241		mg/Kg wet	0.0250		96.4	70-130		
Surrogate: 4-Bromofluorobenzene	0.0239		mg/Kg wet	0.0250		95.7	70-130		

LCS (B127125-BS1)									
Prepared: 07/27/15 Analyzed: 07/29/15									
Acetone	0.169	0.057	mg/Kg wet	0.113		149	40-160		L-14 †
tert-Amyl Methyl Ether (TAME)	0.0113	0.00057	mg/Kg wet	0.0113		99.9	70-130		
Benzene	0.0128	0.0011	mg/Kg wet	0.0113		113	70-130		
Bromobenzene	0.0133	0.0011	mg/Kg wet	0.0113		117	70-130		
Bromochloromethane	0.0130	0.0011	mg/Kg wet	0.0113		115	70-130		
Bromodichloromethane	0.0117	0.0011	mg/Kg wet	0.0113		103	70-130		
Bromoform	0.0123	0.0011	mg/Kg wet	0.0113		108	70-130		
Bromomethane	0.00130	0.0023	mg/Kg wet	0.0113	11.5 *	40-160			L-04, V-05 †
2-Butanone (MEK)	0.180	0.023	mg/Kg wet	0.113		159	40-160		L-14 †
n-Butylbenzene	0.0132	0.0011	mg/Kg wet	0.0113		116	70-130		
sec-Butylbenzene	0.0134	0.0011	mg/Kg wet	0.0113		119	70-130		
tert-Butylbenzene	0.0142	0.0011	mg/Kg wet	0.0113		125	70-130		
tert-Butyl Ethyl Ether (TBEE)	0.0128	0.00057	mg/Kg wet	0.0113		113	70-130		
Carbon Disulfide	0.0129	0.011	mg/Kg wet	0.0113		114	70-130		
Carbon Tetrachloride	0.0120	0.0011	mg/Kg wet	0.0113		106	70-130		
Chlorobenzene	0.0131	0.0011	mg/Kg wet	0.0113		115	70-130		
Chlorodibromomethane	0.0112	0.00057	mg/Kg wet	0.0113		98.5	70-130		
Chloroethane	0.0106	0.0023	mg/Kg wet	0.0113		93.4	70-130		
Chloroform	0.0132	0.0023	mg/Kg wet	0.0113		117	70-130		
Chloromethane	0.00773	0.0023	mg/Kg wet	0.0113		68.2	40-160		V-05 †
2-Chlorotoluene	0.0127	0.0011	mg/Kg wet	0.0113		112	70-130		
4-Chlorotoluene	0.0124	0.0011	mg/Kg wet	0.0113		109	70-130		
1,2-Dibromo-3-chloropropane (DBCP)	0.0106	0.0045	mg/Kg wet	0.0113		93.7	70-130		
1,2-Dibromoethane (EDB)	0.0127	0.00057	mg/Kg wet	0.0113		112	70-130		
Dibromomethane	0.0120	0.0011	mg/Kg wet	0.0113		106	70-130		
1,2-Dichlorobenzene	0.0139	0.0011	mg/Kg wet	0.0113		123	70-130		
1,3-Dichlorobenzene	0.0136	0.0011	mg/Kg wet	0.0113		120	70-130		
1,4-Dichlorobenzene	0.0134	0.0011	mg/Kg wet	0.0113		118	70-130		

QUALITY CONTROL**Volatile Organic Compounds by GC/MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	Limit Notes
Batch B127125 - SW-846 5035									
LCS (B127125-BS1) Prepared: 07/27/15 Analyzed: 07/29/15									
Dichlorodifluoromethane (Freon 12)									
1,1-Dichloroethane	0.00414	0.0023	mg/Kg wet	0.0113	36.5 *	40-160	V-05, L-04	†	
1,2-Dichloroethane	0.0132	0.0011	mg/Kg wet	0.0113	117	70-130			
1,1-Dichloroethylene	0.0121	0.0011	mg/Kg wet	0.0113	107	70-130			
cis-1,2-Dichloroethylene	0.0124	0.0011	mg/Kg wet	0.0113	109	70-130			
trans-1,2-Dichloroethylene	0.0130	0.0011	mg/Kg wet	0.0113	114	70-130			
1,2-Dichloropropane	0.0126	0.0011	mg/Kg wet	0.0113	112	70-130			
1,3-Dichloropropane	0.0135	0.0011	mg/Kg wet	0.0113	119	70-130			
2,2-Dichloropropane	0.0126	0.00057	mg/Kg wet	0.0113	111	70-130			
1,1-Dichloropropene	0.00943	0.0011	mg/Kg wet	0.0113	83.2	70-130			
cis-1,3-Dichloropropene	0.0133	0.0023	mg/Kg wet	0.0113	117	70-130			
trans-1,3-Dichloropropene	0.0123	0.00057	mg/Kg wet	0.0113	108	70-130			
Diethyl Ether	0.0129	0.00057	mg/Kg wet	0.0113	114	70-130			
Diisopropyl Ether (DIPE)	0.00921	0.0023	mg/Kg wet	0.0113	81.3	70-130			
1,4-Dioxane	0.0132	0.00057	mg/Kg wet	0.0113	116	70-130			
Ethylbenzene	0.0806	0.057	mg/Kg wet	0.113	71.2	40-160	V-05, V-16	†	
Hexachlorobutadiene	0.0126	0.0011	mg/Kg wet	0.0113	111	70-130			
2-Hexanone (MBK)	0.0158	0.0011	mg/Kg wet	0.0113	140 *	70-130	L-02, V-20		
Isopropylbenzene (Cumene)	0.148	0.011	mg/Kg wet	0.113	130	40-160			†
p-Isopropyltoluene (p-Cymene)	0.0128	0.0011	mg/Kg wet	0.0113	113	70-130			
Methyl tert-Butyl Ether (MTBE)	0.0138	0.0011	mg/Kg wet	0.0113	122	70-130			
Methylene Chloride	0.0118	0.0011	mg/Kg wet	0.0113	104	70-130			
4-Methyl-2-pentanone (MIBK)	0.0106	0.0057	mg/Kg wet	0.0113	93.5	70-130			
Naphthalene	0.114	0.011	mg/Kg wet	0.113	100	40-160			†
n-Propylbenzene	0.0136	0.0023	mg/Kg wet	0.0113	120	70-130			
Styrene	0.0131	0.0011	mg/Kg wet	0.0113	115	70-130			
1,1,1,2-Tetrachloroethane	0.0124	0.0011	mg/Kg wet	0.0113	109	70-130			
1,1,2,2-Tetrachloroethane	0.0130	0.0011	mg/Kg wet	0.0113	115	70-130			
Tetrachloroethylene	0.0106	0.00057	mg/Kg wet	0.0113	93.6	70-130			
Tetrahydrofuran	0.0146	0.0011	mg/Kg wet	0.0113	129	70-130			
Toluene	0.0127	0.0045	mg/Kg wet	0.0113	112	70-130			
1,2,3-Trichlorobenzene	0.0126	0.0011	mg/Kg wet	0.0113	111	70-130			
1,2,4-Trichlorobenzene	0.0153	0.0045	mg/Kg wet	0.0113	135 *	70-130	L-02, V-20		
1,1,1-Trichloroethane	0.0157	0.0011	mg/Kg wet	0.0113	138 *	70-130	L-06, V-06		
1,1,2-Trichloroethane	0.0118	0.0011	mg/Kg wet	0.0113	104	70-130			
Trichloroethylene	0.0127	0.0011	mg/Kg wet	0.0113	112	70-130			
Trichlorofluoromethane (Freon 11)	0.0140	0.0011	mg/Kg wet	0.0113	124	70-130			
1,2,3-Trichloropropane	0.00751	0.0023	mg/Kg wet	0.0113	66.3 *	70-130	L-04, V-05		
1,2,4-Trimethylbenzene	0.0122	0.0023	mg/Kg wet	0.0113	108	70-130			
1,3,5-Trimethylbenzene	0.0134	0.0011	mg/Kg wet	0.0113	119	70-130			
Vinyl Chloride	0.0118	0.0011	mg/Kg wet	0.0113	104	70-130			
m+p Xylene	0.00935	0.0023	mg/Kg wet	0.0113	82.5	70-130	V-05		
o-Xylene	0.0248	0.0023	mg/Kg wet	0.0227	110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0126	0.0011	mg/Kg wet	0.0113	111	70-130			
Surrogate: Toluene-d8	0.0277	mg/Kg wet	0.0283		97.9	70-130			
Surrogate: 4-Bromofluorobenzene	0.0274	mg/Kg wet	0.0283		96.9	70-130			

QUALITY CONTROL**Volatile Organic Compounds by GC/MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B127125 - SW-846 5035										
LCS Dup (B127125-BSD1)										
Prepared: 07/27/15 Analyzed: 07/29/15										
Acetone	0.167	0.057	mg/Kg wet	0.113	147	40-160	1.25	20	L-14	†
tert-Amyl Methyl Ether (TAME)	0.0114	0.00057	mg/Kg wet	0.0113	101	70-130	0.798	20		
Benzene	0.0127	0.0011	mg/Kg wet	0.0113	112	70-130	0.532	20		
Bromobenzene	0.0132	0.0011	mg/Kg wet	0.0113	117	70-130	0.512	20		
Bromoform	0.0127	0.0011	mg/Kg wet	0.0113	112	70-130	3.18	20		
Bromomethane	0.00139	0.0023	mg/Kg wet	0.0113	12.3 *	40-160	6.72	20	L-04, V-05	†
2-Butanone (MEK)	0.175	0.023	mg/Kg wet	0.113	155	40-160	2.42	20	L-14	†
n-Butylbenzene	0.0129	0.0011	mg/Kg wet	0.0113	113	70-130	2.53	20		
sec-Butylbenzene	0.0133	0.0011	mg/Kg wet	0.0113	118	70-130	0.932	20		
tert-Butylbenzene	0.0138	0.0011	mg/Kg wet	0.0113	122	70-130	2.43	20		
tert-Butyl Ethyl Ether (TBEE)	0.0126	0.00057	mg/Kg wet	0.0113	111	70-130	1.78	20		
Carbon Disulfide	0.0119	0.011	mg/Kg wet	0.0113	105	70-130	8.04	20		
Carbon Tetrachloride	0.0117	0.0011	mg/Kg wet	0.0113	103	70-130	2.39	20		
Chlorobenzene	0.0128	0.0011	mg/Kg wet	0.0113	113	70-130	2.19	20		
Chlorodibromomethane	0.0114	0.00057	mg/Kg wet	0.0113	101	70-130	2.41	20		
Chloroethane	0.0102	0.0023	mg/Kg wet	0.0113	89.9	70-130	3.82	20		
Chloroform	0.0133	0.0023	mg/Kg wet	0.0113	117	70-130	0.342	20		
Chloromethane	0.00796	0.0023	mg/Kg wet	0.0113	70.2	40-160	2.89	20	V-05	†
2-Chlorotoluene	0.0130	0.0011	mg/Kg wet	0.0113	114	70-130	1.94	20		
4-Chlorotoluene	0.0121	0.0011	mg/Kg wet	0.0113	107	70-130	2.04	20		
1,2-Dibromo-3-chloropropane (DBCP)	0.0104	0.0045	mg/Kg wet	0.0113	91.8	70-130	2.05	20		
1,2-Dibromoethane (EDB)	0.0128	0.00057	mg/Kg wet	0.0113	113	70-130	0.444	20		
Dibromomethane	0.0123	0.0011	mg/Kg wet	0.0113	109	70-130	2.89	20		
1,2-Dichlorobenzene	0.0140	0.0011	mg/Kg wet	0.0113	124	70-130	0.567	20		
1,3-Dichlorobenzene	0.0137	0.0011	mg/Kg wet	0.0113	121	70-130	0.580	20		
1,4-Dichlorobenzene	0.0133	0.0011	mg/Kg wet	0.0113	118	70-130	0.170	20		
Dichlorodifluoromethane (Freon 12)	0.00397	0.0023	mg/Kg wet	0.0113	35.0 *	40-160	4.20	20	L-04, V-05	†
1,1-Dichloroethane	0.0131	0.0011	mg/Kg wet	0.0113	116	70-130	0.860	20		
1,2-Dichloroethane	0.0121	0.0011	mg/Kg wet	0.0113	106	70-130	0.562	20		
1,1-Dichloroethylene	0.0116	0.0011	mg/Kg wet	0.0113	102	70-130	6.81	20		
cis-1,2-Dichloroethylene	0.0127	0.0011	mg/Kg wet	0.0113	112	70-130	1.85	20		
trans-1,2-Dichloroethylene	0.0123	0.0011	mg/Kg wet	0.0113	109	70-130	2.54	20		
1,2-Dichloropropane	0.0135	0.0011	mg/Kg wet	0.0113	119	70-130	0.168	20		
1,3-Dichloropropane	0.0127	0.00057	mg/Kg wet	0.0113	112	70-130	0.448	20		
2,2-Dichloropropane	0.00918	0.0011	mg/Kg wet	0.0113	81.0	70-130	2.68	20		
1,1-Dichloropropene	0.0128	0.0023	mg/Kg wet	0.0113	113	70-130	3.66	20		
cis-1,3-Dichloropropene	0.0124	0.00057	mg/Kg wet	0.0113	110	70-130	1.19	20		
trans-1,3-Dichloropropene	0.0130	0.00057	mg/Kg wet	0.0113	115	70-130	0.875	20		
Diethyl Ether	0.00927	0.0023	mg/Kg wet	0.0113	81.8	70-130	0.613	20		
Diisopropyl Ether (DIPE)	0.0132	0.00057	mg/Kg wet	0.0113	116	70-130	0.0861	20		
1,4-Dioxane	0.0834	0.057	mg/Kg wet	0.113	73.6	40-160	3.36	20	V-05, V-16	†
Ethylbenzene	0.0124	0.0011	mg/Kg wet	0.0113	109	70-130	2.18	20		
Hexachlorobutadiene	0.0156	0.0011	mg/Kg wet	0.0113	138 *	70-130	1.44	20	L-02, V-20	
2-Hexanone (MBK)	0.146	0.011	mg/Kg wet	0.113	129	40-160	0.872	20		†
Isopropylbenzene (Cumene)	0.0125	0.0011	mg/Kg wet	0.0113	110	70-130	2.42	20		
p-Isopropyltoluene (p-Cymene)	0.0136	0.0011	mg/Kg wet	0.0113	120	70-130	1.74	20		
Methyl tert-Butyl Ether (MTBE)	0.0120	0.0011	mg/Kg wet	0.0113	106	70-130	1.53	20		
Methylene Chloride	0.0114	0.0057	mg/Kg wet	0.0113	100	70-130	7.12	20		
4-Methyl-2-pentanone (MIBK)	0.115	0.011	mg/Kg wet	0.113	101	40-160	1.13	20		†
Naphthalene	0.0136	0.0023	mg/Kg wet	0.0113	120	70-130	0.00	20		

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QUALITY CONTROL**Volatile Organic Compounds by GC/MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B127125 - SW-846 5035

LCS Dup (B127125-BSD1)					Prepared: 07/27/15 Analyzed: 07/29/15					
n-Propylbenzene	0.0125	0.0011	mg/Kg wet	0.0113		110	70-130	4.35	20	
Styrene	0.0123	0.0011	mg/Kg wet	0.0113		108	70-130	0.920	20	
1,1,1,2-Tetrachloroethane	0.0130	0.0011	mg/Kg wet	0.0113		115	70-130	0.261	20	
1,1,2,2-Tetrachloroethane	0.0106	0.00057	mg/Kg wet	0.0113		93.7	70-130	0.107	20	
Tetrachloroethylene	0.0138	0.0011	mg/Kg wet	0.0113		122	70-130	5.57	20	
Tetrahydrofuran	0.0129	0.0045	mg/Kg wet	0.0113		114	70-130	2.12	20	
Toluene	0.0124	0.0011	mg/Kg wet	0.0113		110	70-130	1.36	20	
1,2,3-Trichlorobenzene	0.0152	0.0045	mg/Kg wet	0.0113		134 *	70-130	0.742	20	L-02, V-20
1,2,4-Trichlorobenzene	0.0162	0.0011	mg/Kg wet	0.0113		143 *	70-130	3.49	20	L-06, V-06
1,1,1-Trichloroethane	0.0114	0.0011	mg/Kg wet	0.0113		101	70-130	3.13	20	
1,1,2-Trichloroethane	0.0131	0.0011	mg/Kg wet	0.0113		115	70-130	2.55	20	
Trichloroethylene	0.0134	0.0011	mg/Kg wet	0.0113		118	70-130	4.39	20	
Trichlorofluoromethane (Freon 11)	0.00717	0.0023	mg/Kg wet	0.0113		63.3 *	70-130	4.63	20	L-04, V-05
1,2,3-Trichloropropane	0.0123	0.0023	mg/Kg wet	0.0113		109	70-130	0.555	20	
1,2,4-Trimethylbenzene	0.0131	0.0011	mg/Kg wet	0.0113		116	70-130	2.65	20	
1,3,5-Trimethylbenzene	0.0114	0.0011	mg/Kg wet	0.0113		101	70-130	3.32	20	
Vinyl Chloride	0.00908	0.0023	mg/Kg wet	0.0113		80.1	70-130	2.95	20	V-05
m+p Xylene	0.0244	0.0023	mg/Kg wet	0.0227		108	70-130	1.84	20	
o-Xylene	0.0124	0.0011	mg/Kg wet	0.0113		110	70-130	1.18	20	
Surrogate: 1,2-Dichloroethane-d4	0.0286		mg/Kg wet	0.0283		101	70-130			
Surrogate: Toluene-d8	0.0274		mg/Kg wet	0.0283		96.8	70-130			
Surrogate: 4-Bromofluorobenzene	0.0276		mg/Kg wet	0.0283		97.4	70-130			

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QUALITY CONTROL**Semivolatile Organic Compounds by GC/MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	Limit Notes
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Batch B127001 - SW-846 3546

Blank (B127001-BLK1)									Prepared: 07/23/15 Analyzed: 07/27/15
Acenaphthene	ND	0.17	mg/Kg wet						
Acenaphthylene	ND	0.17	mg/Kg wet						
Acetophenone	ND	0.34	mg/Kg wet						
Aniline	ND	0.34	mg/Kg wet						
Anthracene	ND	0.17	mg/Kg wet						
Benzo(a)anthracene	ND	0.17	mg/Kg wet						
Benzo(a)pyrene	ND	0.17	mg/Kg wet						
Benzo(b)fluoranthene	ND	0.17	mg/Kg wet						
Benzo(g,h,i)perylene	ND	0.17	mg/Kg wet						
Benzo(k)fluoranthene	ND	0.17	mg/Kg wet						
Bis(2-chloroethoxy)methane	ND	0.34	mg/Kg wet						
Bis(2-chloroethyl)ether	ND	0.34	mg/Kg wet						
Bis(2-chloroisopropyl)ether	ND	0.34	mg/Kg wet						V-20
Bis(2-Ethylhexyl)phthalate	ND	0.34	mg/Kg wet						
4-Bromophenylphenylether	ND	0.34	mg/Kg wet						
Butylbenzylphthalate	ND	0.34	mg/Kg wet						
4-Chloroaniline	ND	0.66	mg/Kg wet						
2-Chloronaphthalene	ND	0.34	mg/Kg wet						
2-Chlorophenol	ND	0.34	mg/Kg wet						
Chrysene	ND	0.17	mg/Kg wet						
Dibenz(a,h)anthracene	ND	0.17	mg/Kg wet						
Dibenzo furan	ND	0.34	mg/Kg wet						
Di-n-butylphthalate	ND	0.34	mg/Kg wet						
1,2-Dichlorobenzene	ND	0.34	mg/Kg wet						
1,3-Dichlorobenzene	ND	0.34	mg/Kg wet						
1,4-Dichlorobenzene	ND	0.34	mg/Kg wet						
3,3-Dichlorobenzidine	ND	0.17	mg/Kg wet						
2,4-Dichlorophenol	ND	0.34	mg/Kg wet						
Diethylphthalate	ND	0.34	mg/Kg wet						
2,4-Dimethylphenol	ND	0.34	mg/Kg wet						
Dimethylphthalate	ND	0.34	mg/Kg wet						
2,4-Dinitrophenol	ND	0.66	mg/Kg wet						
2,4-Dinitrotoluene	ND	0.34	mg/Kg wet						
2,6-Dinitrotoluene	ND	0.34	mg/Kg wet						
Di-n-octylphthalate	ND	0.34	mg/Kg wet						
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.34	mg/Kg wet						
Fluoranthene	ND	0.17	mg/Kg wet						
Fluorene	ND	0.17	mg/Kg wet						
Hexachlorobenzene	ND	0.34	mg/Kg wet						
Hexachlorobutadiene	ND	0.34	mg/Kg wet						
Hexachloroethane	ND	0.34	mg/Kg wet						
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg wet						
Isophorone	ND	0.34	mg/Kg wet						
2-Methylnaphthalene	ND	0.17	mg/Kg wet						
2-Methylphenol	ND	0.34	mg/Kg wet						
3/4-Methylphenol	ND	0.34	mg/Kg wet						
Naphthalene	ND	0.17	mg/Kg wet						
Nitrobenzene	ND	0.34	mg/Kg wet						
2-Nitrophenol	ND	0.34	mg/Kg wet						
4-Nitrophenol	ND	0.66	mg/Kg wet						
Pentachlorophenol	ND	0.34	mg/Kg wet						
Phenanthrene	ND	0.17	mg/Kg wet						

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QUALITY CONTROL**Semivolatile Organic Compounds by GC/MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	Limit Notes
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Batch B127001 - SW-846 3546

Blank (B127001-BLK1)	Prepared: 07/23/15 Analyzed: 07/27/15						
Phenol	ND	0.34	mg/Kg wet				
Pyrene	ND	0.17	mg/Kg wet				
1,2,4-Trichlorobenzene	ND	0.34	mg/Kg wet				
2,4,5-Trichlorophenol	ND	0.34	mg/Kg wet				
2,4,6-Trichlorophenol	ND	0.34	mg/Kg wet				
Surrogate: 2-Fluorophenol	5.26		mg/Kg wet	6.67	79.0	30-130	
Surrogate: Phenol-d6	5.32		mg/Kg wet	6.67	79.8	30-130	
Surrogate: Nitrobenzene-d5	2.56		mg/Kg wet	3.33	76.9	30-130	
Surrogate: 2-Fluorobiphenyl	2.75		mg/Kg wet	3.33	82.5	30-130	
Surrogate: 2,4,6-Tribromophenol	4.43		mg/Kg wet	6.67	66.4	30-130	
Surrogate: p-Terphenyl-d14	3.08		mg/Kg wet	3.33	92.5	30-130	
LCS (B127001-BS1)	Prepared: 07/23/15 Analyzed: 07/27/15						
Acenaphthene	1.52	0.17	mg/Kg wet	1.67	91.2	40-140	
Acenaphthylene	1.55	0.17	mg/Kg wet	1.67	93.1	40-140	
Acetophenone	1.43	0.34	mg/Kg wet	1.67	85.6	40-140	
Aniline	0.814	0.34	mg/Kg wet	1.67	48.8	40-140	
Anthracene	1.62	0.17	mg/Kg wet	1.67	97.1	40-140	
Benzo(a)anthracene	1.64	0.17	mg/Kg wet	1.67	98.2	40-140	
Benzo(a)pyrene	1.64	0.17	mg/Kg wet	1.67	98.6	40-140	
Benzo(b)fluoranthene	1.62	0.17	mg/Kg wet	1.67	97.2	40-140	
Benzo(g,h,i)perylene	1.66	0.17	mg/Kg wet	1.67	99.9	40-140	
Benzo(k)fluoranthene	1.55	0.17	mg/Kg wet	1.67	93.3	40-140	
Bis(2-chloroethoxy)methane	1.54	0.34	mg/Kg wet	1.67	92.3	40-140	
Bis(2-chloroethyl)ether	1.43	0.34	mg/Kg wet	1.67	86.0	40-140	
Bis(2-chloroisopropyl)ether	1.54	0.34	mg/Kg wet	1.67	92.2	40-140	V-06
Bis(2-Ethylhexyl)phthalate	2.07	0.34	mg/Kg wet	1.67	124	40-140	
4-Bromophenylphenylether	1.62	0.34	mg/Kg wet	1.67	97.5	40-140	
Butylbenzylphthalate	1.72	0.34	mg/Kg wet	1.67	103	40-140	
4-Chloroaniline	0.940	0.66	mg/Kg wet	1.67	56.4	15-140	†
2-Chloronaphthalene	1.40	0.34	mg/Kg wet	1.67	84.1	40-140	
2-Chlorophenol	1.43	0.34	mg/Kg wet	1.67	85.7	30-130	
Chrysene	1.59	0.17	mg/Kg wet	1.67	95.5	40-140	
Dibenz(a,h)anthracene	1.63	0.17	mg/Kg wet	1.67	97.7	40-140	
Dibenzo furan	1.55	0.34	mg/Kg wet	1.67	93.0	40-140	
Di-n-butylphthalate	1.61	0.34	mg/Kg wet	1.67	96.8	40-140	
1,2-Dichlorobenzene	1.32	0.34	mg/Kg wet	1.67	79.2	40-140	
1,3-Dichlorobenzene	1.27	0.34	mg/Kg wet	1.67	76.5	40-140	
1,4-Dichlorobenzene	1.27	0.34	mg/Kg wet	1.67	76.0	40-140	
3,3-Dichlorobenzidine	1.18	0.17	mg/Kg wet	1.67	70.7	40-140	
2,4-Dichlorophenol	1.54	0.34	mg/Kg wet	1.67	92.3	30-130	
Diethylphthalate	1.59	0.34	mg/Kg wet	1.67	95.3	40-140	
2,4-Dimethylphenol	1.43	0.34	mg/Kg wet	1.67	86.0	30-130	
Dimethylphthalate	1.60	0.34	mg/Kg wet	1.67	95.7	40-140	
2,4-Dinitrophenol	0.697	0.66	mg/Kg wet	1.67	41.8	15-140	†
2,4-Dinitrotoluene	1.66	0.34	mg/Kg wet	1.67	99.8	40-140	
2,6-Dinitrotoluene	1.72	0.34	mg/Kg wet	1.67	103	40-140	
Di-n-octylphthalate	1.74	0.34	mg/Kg wet	1.67	105	40-140	
1,2-Diphenylhydrazine (as Azobenzene)	1.69	0.34	mg/Kg wet	1.67	101	40-140	
Fluoranthene	1.52	0.17	mg/Kg wet	1.67	91.1	40-140	
Fluorene	1.61	0.17	mg/Kg wet	1.67	96.3	40-140	
Hexachlorobenzene	1.65	0.34	mg/Kg wet	1.67	98.9	40-140	

QUALITY CONTROL**Semivolatile Organic Compounds by GC/MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	Limit Notes
Batch B127001 - SW-846 3546									
LCS (B127001-BS1)									
Prepared: 07/23/15 Analyzed: 07/27/15									
Hexachlorobutadiene	1.42	0.34	mg/Kg wet	1.67	85.3	40-140			
Hexachloroethane	1.32	0.34	mg/Kg wet	1.67	79.4	40-140			
Indeno(1,2,3-cd)pyrene	1.67	0.17	mg/Kg wet	1.67	100	40-140			
Isophorone	1.58	0.34	mg/Kg wet	1.67	94.5	40-140			
2-Methylnaphthalene	1.43	0.17	mg/Kg wet	1.67	86.0	40-140			
2-Methylphenol	1.43	0.34	mg/Kg wet	1.67	86.0	30-130			
3/4-Methylphenol	1.51	0.34	mg/Kg wet	1.67	90.7	30-130			
Naphthalene	1.39	0.17	mg/Kg wet	1.67	83.2	40-140			
Nitrobenzene	1.43	0.34	mg/Kg wet	1.67	85.7	40-140			
2-Nitrophenol	1.53	0.34	mg/Kg wet	1.67	91.7	30-130			
4-Nitrophenol	1.54	0.66	mg/Kg wet	1.67	92.5	15-140			†
Pentachlorophenol	0.943	0.34	mg/Kg wet	1.67	56.6	30-130			
Phenanthrene	1.62	0.17	mg/Kg wet	1.67	96.9	40-140			
Phenol	1.42	0.34	mg/Kg wet	1.67	85.3	15-140			†
Pyrene	1.67	0.17	mg/Kg wet	1.67	100	40-140			
1,2,4-Trichlorobenzene	1.39	0.34	mg/Kg wet	1.67	83.5	40-140			
2,4,5-Trichlorophenol	1.57	0.34	mg/Kg wet	1.67	94.0	30-130			
2,4,6-Trichlorophenol	1.57	0.34	mg/Kg wet	1.67	94.1	30-130			
Surrogate: 2-Fluorophenol	5.69		mg/Kg wet	6.67	85.4	30-130			
Surrogate: Phenol-d6	5.69		mg/Kg wet	6.67	85.4	30-130			
Surrogate: Nitrobenzene-d5	2.83		mg/Kg wet	3.33	84.8	30-130			
Surrogate: 2-Fluorobiphenyl	3.13		mg/Kg wet	3.33	93.8	30-130			
Surrogate: 2,4,6-Tribromophenol	6.12		mg/Kg wet	6.67	91.8	30-130			
Surrogate: p-Terphenyl-d14	3.43		mg/Kg wet	3.33	103	30-130			
LCS Dup (B127001-BSD1)									
Prepared: 07/23/15 Analyzed: 07/27/15									
Acenaphthene	1.39	0.17	mg/Kg wet	1.67	83.2	40-140	9.11	30	
Acenaphthylene	1.40	0.17	mg/Kg wet	1.67	84.1	40-140	10.1	30	
Acetophenone	1.25	0.34	mg/Kg wet	1.67	75.2	40-140	12.9	30	
Aniline	0.722	0.34	mg/Kg wet	1.67	43.3	40-140	12.0	30	
Anthracene	1.49	0.17	mg/Kg wet	1.67	89.4	40-140	8.21	30	
Benzo(a)anthracene	1.45	0.17	mg/Kg wet	1.67	87.0	40-140	12.1	30	
Benzo(a)pyrene	1.46	0.17	mg/Kg wet	1.67	87.6	40-140	11.8	30	
Benzo(b)fluoranthene	1.44	0.17	mg/Kg wet	1.67	86.3	40-140	11.9	30	
Benzo(g,h,i)perylene	1.48	0.17	mg/Kg wet	1.67	88.7	40-140	11.9	30	
Benzo(k)fluoranthene	1.42	0.17	mg/Kg wet	1.67	85.2	40-140	9.01	30	
Bis(2-chloroethoxy)methane	1.41	0.34	mg/Kg wet	1.67	84.6	40-140	8.62	30	
Bis(2-chloroethyl)ether	1.25	0.34	mg/Kg wet	1.67	75.1	40-140	13.5	30	
Bis(2-chloroisopropyl)ether	1.34	0.34	mg/Kg wet	1.67	80.4	40-140	13.6	30	V-06
Bis(2-Ethylhexyl)phthalate	1.84	0.34	mg/Kg wet	1.67	110	40-140	12.2	30	
4-Bromophenylphenylether	1.50	0.34	mg/Kg wet	1.67	90.3	40-140	7.63	30	
Butylbenzylphthalate	1.52	0.34	mg/Kg wet	1.67	91.5	40-140	12.2	30	
4-Chloraniline	0.846	0.66	mg/Kg wet	1.67	50.8	15-140	10.5	30	†
2-Chloronaphthalene	1.23	0.34	mg/Kg wet	1.67	74.1	40-140	12.6	30	
2-Chlorophenol	1.28	0.34	mg/Kg wet	1.67	77.0	30-130	10.7	30	
Chrysene	1.41	0.17	mg/Kg wet	1.67	84.3	40-140	12.4	30	
Dibenz(a,h)anthracene	1.44	0.17	mg/Kg wet	1.67	86.7	40-140	11.9	30	
Dibenzofuran	1.40	0.34	mg/Kg wet	1.67	84.3	40-140	9.79	30	
Di-n-butylphthalate	1.47	0.34	mg/Kg wet	1.67	88.1	40-140	9.41	30	
1,2-Dichlorobenzene	1.16	0.34	mg/Kg wet	1.67	69.4	40-140	13.2	30	
1,3-Dichlorobenzene	1.12	0.34	mg/Kg wet	1.67	67.1	40-140	13.1	30	
1,4-Dichlorobenzene	1.11	0.34	mg/Kg wet	1.67	66.7	40-140	13.0	30	

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QUALITY CONTROL**Semivolatile Organic Compounds by GC/MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B127001 - SW-846 3546

LCS Dup (B127001-BSD1)					Prepared: 07/23/15 Analyzed: 07/27/15					
3,3-Dichlorobenzidine	1.02	0.17	mg/Kg wet	1.67	61.4	40-140	14.1	30		
2,4-Dichlorophenol	1.36	0.34	mg/Kg wet	1.67	81.8	30-130	12.0	30		
Diethylphthalate	1.42	0.34	mg/Kg wet	1.67	85.3	40-140	11.1	30		
2,4-Dimethylphenol	1.31	0.34	mg/Kg wet	1.67	78.5	30-130	9.10	30		
Dimethylphthalate	1.46	0.34	mg/Kg wet	1.67	87.5	40-140	8.95	30		
2,4-Dinitrophenol	0.631	0.66	mg/Kg wet	1.67	37.8	15-140	9.94	30		†
2,4-Dinitrotoluene	1.51	0.34	mg/Kg wet	1.67	90.7	40-140	9.53	30		
2,6-Dinitrotoluene	1.55	0.34	mg/Kg wet	1.67	93.1	40-140	10.2	30		
Di-n-octylphthalate	1.51	0.34	mg/Kg wet	1.67	90.8	40-140	14.1	30		
1,2-Diphenylhydrazine (as Azobenzene)	1.56	0.34	mg/Kg wet	1.67	93.4	40-140	7.98	30		
Fluoranthene	1.37	0.17	mg/Kg wet	1.67	81.9	40-140	10.6	30		
Fluorene	1.44	0.17	mg/Kg wet	1.67	86.3	40-140	10.9	30		
Hexachlorobenzene	1.53	0.34	mg/Kg wet	1.67	91.8	40-140	7.45	30		
Hexachlorobutadiene	1.26	0.34	mg/Kg wet	1.67	75.8	40-140	11.8	30		
Hexachloroethane	1.15	0.34	mg/Kg wet	1.67	69.2	40-140	13.7	30		
Indeno(1,2,3-cd)pyrene	1.49	0.17	mg/Kg wet	1.67	89.5	40-140	11.1	30		
Isophorone	1.42	0.34	mg/Kg wet	1.67	84.9	40-140	10.7	30		
2-Methylnaphthalene	1.29	0.17	mg/Kg wet	1.67	77.7	40-140	10.2	30		
2-Methylphenol	1.27	0.34	mg/Kg wet	1.67	76.1	30-130	12.2	30		
3/4-Methylphenol	1.35	0.34	mg/Kg wet	1.67	81.0	30-130	11.2	30		
Naphthalene	1.27	0.17	mg/Kg wet	1.67	76.0	40-140	9.09	30		
Nitrobenzene	1.30	0.34	mg/Kg wet	1.67	78.3	40-140	9.05	30		
2-Nitrophenol	1.39	0.34	mg/Kg wet	1.67	83.2	30-130	9.74	30		
4-Nitrophenol	1.36	0.66	mg/Kg wet	1.67	81.9	15-140	12.1	30		†
Pentachlorophenol	0.784	0.34	mg/Kg wet	1.67	47.1	30-130	18.4	30		
Phenanthrene	1.46	0.17	mg/Kg wet	1.67	87.8	40-140	9.81	30		
Phenol	1.26	0.34	mg/Kg wet	1.67	75.7	15-140	11.9	30		†
Pyrene	1.49	0.17	mg/Kg wet	1.67	89.5	40-140	11.3	30		
1,2,4-Trichlorobenzene	1.30	0.34	mg/Kg wet	1.67	78.0	40-140	6.76	30		
2,4,5-Trichlorophenol	1.42	0.34	mg/Kg wet	1.67	85.3	30-130	9.77	30		
2,4,6-Trichlorophenol	1.42	0.34	mg/Kg wet	1.67	85.0	30-130	10.2	30		
Surrogate: 2-Fluorophenol	4.95		mg/Kg wet	6.67	74.2	30-130				
Surrogate: Phenol-d6	5.02		mg/Kg wet	6.67	75.3	30-130				
Surrogate: Nitrobenzene-d5	2.50		mg/Kg wet	3.33	74.9	30-130				
Surrogate: 2-Fluorobiphenyl	2.85		mg/Kg wet	3.33	85.6	30-130				
Surrogate: 2,4,6-Tribromophenol	5.47		mg/Kg wet	6.67	82.0	30-130				
Surrogate: p-Terphenyl-d14	3.03		mg/Kg wet	3.33	90.8	30-130				

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QUALITY CONTROL**Organochloride Pesticides by GC/ECD - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	Limit Notes
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Batch B127059 - SW-846 3546**Blank (B127059-BLK1)**

Prepared: 07/24/15 Analyzed: 07/29/15

Aldrin	ND	0.0050	mg/Kg wet						
Aldrin [2C]	ND	0.0050	mg/Kg wet						
alpha-BHC	ND	0.0050	mg/Kg wet						
alpha-BHC [2C]	ND	0.0050	mg/Kg wet						
beta-BHC	ND	0.0050	mg/Kg wet						
beta-BHC [2C]	ND	0.0050	mg/Kg wet						
delta-BHC	ND	0.0050	mg/Kg wet						
delta-BHC [2C]	ND	0.0050	mg/Kg wet						
gamma-BHC (Lindane)	ND	0.0020	mg/Kg wet						
gamma-BHC (Lindane) [2C]	ND	0.0020	mg/Kg wet						
Chlordane	ND	0.020	mg/Kg wet						
Chlordane [2C]	ND	0.020	mg/Kg wet						
4,4'-DDD	ND	0.0040	mg/Kg wet						
4,4'-DDD [2C]	ND	0.0040	mg/Kg wet						
4,4'-DDE	ND	0.0040	mg/Kg wet						
4,4'-DDE [2C]	ND	0.0040	mg/Kg wet						
4,4'-DDT	ND	0.0040	mg/Kg wet						
4,4'-DDT [2C]	ND	0.0040	mg/Kg wet						
Dieldrin	ND	0.0040	mg/Kg wet						
Dieldrin [2C]	ND	0.0040	mg/Kg wet						
Endosulfan I	ND	0.0050	mg/Kg wet						
Endosulfan I [2C]	ND	0.0050	mg/Kg wet						
Endosulfan II	ND	0.0080	mg/Kg wet						
Endosulfan II [2C]	ND	0.0080	mg/Kg wet						
Endosulfan Sulfate	ND	0.0080	mg/Kg wet						
Endosulfan Sulfate [2C]	ND	0.0080	mg/Kg wet						
Endrin	ND	0.0080	mg/Kg wet						
Endrin [2C]	ND	0.0080	mg/Kg wet						
Endrin Aldehyde	ND	0.0080	mg/Kg wet						
Endrin Aldehyde [2C]	ND	0.0080	mg/Kg wet						
Endrin Ketone	ND	0.0080	mg/Kg wet						
Endrin Ketone [2C]	ND	0.0080	mg/Kg wet						
Heptachlor	ND	0.0050	mg/Kg wet						
Heptachlor [2C]	ND	0.0050	mg/Kg wet						
Heptachlor Epoxide	ND	0.0050	mg/Kg wet						
Heptachlor Epoxide [2C]	ND	0.0050	mg/Kg wet						
Hexachlorobenzene	ND	0.0060	mg/Kg wet						
Hexachlorobenzene [2C]	ND	0.0060	mg/Kg wet						
Methoxychlor	ND	0.050	mg/Kg wet						
Methoxychlor [2C]	ND	0.050	mg/Kg wet						
Surrogate: Decachlorobiphenyl	0.146	mg/Kg wet	0.200		73.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.159	mg/Kg wet	0.200		79.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.144	mg/Kg wet	0.200		72.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.138	mg/Kg wet	0.200		68.8	30-150			

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QUALITY CONTROL**Organochloride Pesticides by GC/ECD - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B127059 - SW-846 3546

LCS (B127059-BS1)					Prepared: 07/24/15 Analyzed: 07/29/15					
Aldrin	0.090	0.0050	mg/Kg wet	0.100	90.4	40-140				
Aldrin [2C]	0.093	0.0050	mg/Kg wet	0.100	92.6	40-140				
alpha-BHC	0.093	0.0050	mg/Kg wet	0.100	93.0	40-140				
alpha-BHC [2C]	0.088	0.0050	mg/Kg wet	0.100	87.9	40-140				
beta-BHC	0.082	0.0050	mg/Kg wet	0.100	82.3	40-140				
beta-BHC [2C]	0.085	0.0050	mg/Kg wet	0.100	85.3	40-140				
delta-BHC	0.076	0.0050	mg/Kg wet	0.100	76.0	40-140				
delta-BHC [2C]	0.079	0.0050	mg/Kg wet	0.100	78.8	40-140				
gamma-BHC (Lindane)	0.086	0.0020	mg/Kg wet	0.100	86.4	40-140				
gamma-BHC (Lindane) [2C]	0.089	0.0020	mg/Kg wet	0.100	88.9	40-140				
4,4'-DDD	0.098	0.0040	mg/Kg wet	0.100	98.3	40-140				
4,4'-DDD [2C]	0.096	0.0040	mg/Kg wet	0.100	96.1	40-140				
4,4'-DDE	0.097	0.0040	mg/Kg wet	0.100	96.6	40-140				
4,4'-DDE [2C]	0.095	0.0040	mg/Kg wet	0.100	95.3	40-140				
4,4'-DDT	0.10	0.0040	mg/Kg wet	0.100	102	40-140				
4,4'-DDT [2C]	0.099	0.0040	mg/Kg wet	0.100	98.9	40-140				
Dieldrin	0.090	0.0040	mg/Kg wet	0.100	89.8	40-140				
Dieldrin [2C]	0.095	0.0040	mg/Kg wet	0.100	95.3	40-140				
Endosulfan I	0.089	0.0050	mg/Kg wet	0.100	89.3	40-140				
Endosulfan I [2C]	0.090	0.0050	mg/Kg wet	0.100	90.2	40-140				
Endosulfan II	0.091	0.0080	mg/Kg wet	0.100	91.1	40-140				
Endosulfan II [2C]	0.091	0.0080	mg/Kg wet	0.100	91.4	40-140				
Endosulfan Sulfate	0.085	0.0080	mg/Kg wet	0.100	85.3	40-140				
Endosulfan Sulfate [2C]	0.085	0.0080	mg/Kg wet	0.100	84.8	40-140				
Endrin	0.10	0.0080	mg/Kg wet	0.100	101	40-140				
Endrin [2C]	0.098	0.0080	mg/Kg wet	0.100	98.3	40-140				
Endrin Ketone	0.089	0.0080	mg/Kg wet	0.100	88.6	40-140				
Endrin Ketone [2C]	0.083	0.0080	mg/Kg wet	0.100	83.2	40-140				
Heptachlor	0.084	0.0050	mg/Kg wet	0.100	83.5	40-140				
Heptachlor [2C]	0.092	0.0050	mg/Kg wet	0.100	91.6	40-140				
Heptachlor Epoxide	0.089	0.0050	mg/Kg wet	0.100	89.2	40-140				
Heptachlor Epoxide [2C]	0.091	0.0050	mg/Kg wet	0.100	91.3	40-140				
Hexachlorobenzene	0.084	0.0060	mg/Kg wet	0.100	84.1	40-140				
Hexachlorobenzene [2C]	0.086	0.0060	mg/Kg wet	0.100	86.1	40-140				
Methoxychlor	0.099	0.050	mg/Kg wet	0.100	98.7	40-140				
Methoxychlor [2C]	0.10	0.050	mg/Kg wet	0.100	103	40-140				
Surrogate: Decachlorobiphenyl	0.157		mg/Kg wet	0.200	78.4	30-150				
Surrogate: Decachlorobiphenyl [2C]	0.165		mg/Kg wet	0.200	82.6	30-150				
Surrogate: Tetrachloro-m-xylene	0.147		mg/Kg wet	0.200	73.6	30-150				
Surrogate: Tetrachloro-m-xylene [2C]	0.146		mg/Kg wet	0.200	72.9	30-150				

LCS Dup (B127059-BSD1)					Prepared: 07/24/15 Analyzed: 07/29/15					
Aldrin	0.097	0.0050	mg/Kg wet	0.100	97.2	40-140	7.23	30		
Aldrin [2C]	0.099	0.0050	mg/Kg wet	0.100	98.5	40-140	6.17	30		
alpha-BHC	0.095	0.0050	mg/Kg wet	0.100	95.1	40-140	2.27	30		
alpha-BHC [2C]	0.093	0.0050	mg/Kg wet	0.100	93.2	40-140	5.82	30		
beta-BHC	0.088	0.0050	mg/Kg wet	0.100	88.5	40-140	7.24	30		
beta-BHC [2C]	0.090	0.0050	mg/Kg wet	0.100	90.4	40-140	5.78	30		
delta-BHC	0.079	0.0050	mg/Kg wet	0.100	78.6	40-140	3.41	30		
delta-BHC [2C]	0.081	0.0050	mg/Kg wet	0.100	80.6	40-140	2.29	30		
gamma-BHC (Lindane)	0.093	0.0020	mg/Kg wet	0.100	93.0	40-140	7.46	30		
gamma-BHC (Lindane) [2C]	0.095	0.0020	mg/Kg wet	0.100	94.6	40-140	6.28	30		

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QUALITY CONTROL**Organochloride Pesticides by GC/ECD - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B127059 - SW-846 3546										
LCS Dup (B127059-BSD1)										
Prepared: 07/24/15 Analyzed: 07/29/15										
4,4'-DDD	0.11	0.0040	mg/Kg wet	0.100	105	40-140	6.60	30		
4,4'-DDD [2C]	0.10	0.0040	mg/Kg wet	0.100	102	40-140	5.78	30		
4,4'-DDE	0.10	0.0040	mg/Kg wet	0.100	102	40-140	5.54	30		
4,4'-DDE [2C]	0.10	0.0040	mg/Kg wet	0.100	101	40-140	5.97	30		
4,4'-DDT	0.11	0.0040	mg/Kg wet	0.100	109	40-140	6.60	30		
4,4'-DDT [2C]	0.10	0.0040	mg/Kg wet	0.100	103	40-140	4.04	30		
Dieldrin	0.097	0.0040	mg/Kg wet	0.100	96.5	40-140	7.23	30		
Dieldrin [2C]	0.10	0.0040	mg/Kg wet	0.100	101	40-140	6.30	30		
Endosulfan I	0.096	0.0050	mg/Kg wet	0.100	96.1	40-140	7.34	30		
Endosulfan I [2C]	0.096	0.0050	mg/Kg wet	0.100	95.8	40-140	6.01	30		
Endosulfan II	0.099	0.0080	mg/Kg wet	0.100	98.7	40-140	7.99	30		
Endosulfan II [2C]	0.098	0.0080	mg/Kg wet	0.100	98.0	40-140	6.90	30		
Endosulfan Sulfate	0.094	0.0080	mg/Kg wet	0.100	93.8	40-140	9.59	30		
Endosulfan Sulfate [2C]	0.092	0.0080	mg/Kg wet	0.100	92.5	40-140	8.67	30		
Endrin	0.11	0.0080	mg/Kg wet	0.100	108	40-140	6.59	30		
Endrin [2C]	0.10	0.0080	mg/Kg wet	0.100	104	40-140	5.92	30		
Endrin Ketone	0.097	0.0080	mg/Kg wet	0.100	97.2	40-140	9.23	30		
Endrin Ketone [2C]	0.090	0.0080	mg/Kg wet	0.100	90.2	40-140	8.14	30		
Heptachlor	0.090	0.0050	mg/Kg wet	0.100	89.9	40-140	7.40	30		
Heptachlor [2C]	0.098	0.0050	mg/Kg wet	0.100	97.6	40-140	6.31	30		
Heptachlor Epoxide	0.094	0.0050	mg/Kg wet	0.100	94.0	40-140	5.26	30		
Heptachlor Epoxide [2C]	0.097	0.0050	mg/Kg wet	0.100	97.2	40-140	6.31	30		
Hexachlorobenzene	0.090	0.0060	mg/Kg wet	0.100	89.7	40-140	6.47	30		
Hexachlorobenzene [2C]	0.091	0.0060	mg/Kg wet	0.100	90.8	40-140	5.26	30		
Methoxychlor	0.11	0.050	mg/Kg wet	0.100	106	40-140	6.78	30		
Methoxychlor [2C]	0.11	0.050	mg/Kg wet	0.100	108	40-140	4.82	30		
Surrogate: Decachlorobiphenyl	0.153		mg/Kg wet	0.200	76.3	30-150				
Surrogate: Decachlorobiphenyl [2C]	0.171		mg/Kg wet	0.200	85.7	30-150				
Surrogate: Tetrachloro-m-xylene	0.157		mg/Kg wet	0.200	78.5	30-150				
Surrogate: Tetrachloro-m-xylene [2C]	0.150		mg/Kg wet	0.200	75.0	30-150				

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QUALITY CONTROL**Polychlorinated Biphenyls By GC/ECD - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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Batch B127060 - SW-846 3546

Blank (B127060-BLK1)										Prepared: 07/24/15 Analyzed: 07/28/15
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.194		mg/Kg wet	0.200		97.1		30-150		
Surrogate: Decachlorobiphenyl [2C]	0.188		mg/Kg wet	0.200		94.1		30-150		
Surrogate: Tetrachloro-m-xylene	0.169		mg/Kg wet	0.200		84.7		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	0.176		mg/Kg wet	0.200		88.0		30-150		
LCS (B127060-BS1)										Prepared: 07/24/15 Analyzed: 07/28/15
Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		90.0		40-140		
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		96.5		40-140		
Aroclor-1260	0.18	0.020	mg/Kg wet	0.200		90.9		40-140		
Aroclor-1260 [2C]	0.19	0.020	mg/Kg wet	0.200		94.5		40-140		
Surrogate: Decachlorobiphenyl	0.190		mg/Kg wet	0.200		94.9		30-150		
Surrogate: Decachlorobiphenyl [2C]	0.183		mg/Kg wet	0.200		91.7		30-150		
Surrogate: Tetrachloro-m-xylene	0.162		mg/Kg wet	0.200		81.0		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	0.169		mg/Kg wet	0.200		84.5		30-150		
LCS Dup (B127060-BSD1)										Prepared: 07/24/15 Analyzed: 07/28/15
Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		92.2		40-140	2.42	30
Aroclor-1016 [2C]	0.20	0.020	mg/Kg wet	0.200		99.3		40-140	2.84	30
Aroclor-1260	0.19	0.020	mg/Kg wet	0.200		93.7		40-140	3.01	30
Aroclor-1260 [2C]	0.19	0.020	mg/Kg wet	0.200		97.4		40-140	2.99	30
Surrogate: Decachlorobiphenyl	0.206		mg/Kg wet	0.200		103		30-150		
Surrogate: Decachlorobiphenyl [2C]	0.199		mg/Kg wet	0.200		99.3		30-150		
Surrogate: Tetrachloro-m-xylene	0.172		mg/Kg wet	0.200		86.2		30-150		
Surrogate: Tetrachloro-m-xylene [2C]	0.179		mg/Kg wet	0.200		89.4		30-150		



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QUALITY CONTROL

Herbicides by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	Limit Notes
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Batch B127003 - SW-846 8151

Blank (B127003-BLK1)					Prepared: 07/23/15 Analyzed: 07/27/15				
2,4-D	ND	24	µg/kg wet						
2,4-D [2C]	ND	24	µg/kg wet						
2,4-DB	ND	24	µg/kg wet						
2,4-DB [2C]	ND	24	µg/kg wet						R-06
2,4,5-TP (Silvex)	ND	2.4	µg/kg wet						
2,4,5-TP (Silvex) [2C]	ND	2.4	µg/kg wet						
2,4,5-T	ND	2.4	µg/kg wet						
2,4,5-T [2C]	ND	2.4	µg/kg wet						
Dalapon	ND	60	µg/kg wet						
Dalapon [2C]	ND	60	µg/kg wet						
Dicamba	ND	2.4	µg/kg wet						
Dicamba [2C]	ND	2.4	µg/kg wet						
Dichloroprop	ND	24	µg/kg wet						
Dichloroprop [2C]	ND	24	µg/kg wet						
Dinoseb	ND	12	µg/kg wet						
Dinoseb [2C]	ND	12	µg/kg wet						
MCPA	ND	2400	µg/kg wet						
MCPA [2C]	ND	2400	µg/kg wet						
MCPP	ND	2400	µg/kg wet						
MCPP [2C]	ND	2400	µg/kg wet						
Surrogate: 2,4-Dichlorophenylacetic acid	76.9		µg/kg wet	95.2		80.8	30-150		
Surrogate: 2,4-Dichlorophenylacetic acid [2C]	74.6		µg/kg wet	95.2		78.3	30-150		

LCS (B127003-BS1)					Prepared: 07/23/15 Analyzed: 07/27/15				
2,4-D	97.4	25	µg/kg wet	124		78.4	40-140		
2,4-D [2C]	82.8	25	µg/kg wet	124		66.6	40-140		
2,4-DB	130	25	µg/kg wet	124		105	40-140		
2,4-DB [2C]	91.9	25	µg/kg wet	124		73.9	40-140		R-06
2,4,5-TP (Silvex)	9.36	2.5	µg/kg wet	12.4		75.3	40-140		
2,4,5-TP (Silvex) [2C]	10.2	2.5	µg/kg wet	12.4		81.9	40-140		
2,4,5-T	9.42	2.5	µg/kg wet	12.4		75.8	40-140		
2,4,5-T [2C]	10.7	2.5	µg/kg wet	12.4		85.9	40-140		
Dalapon	143	62	µg/kg wet	311		45.9	40-140		
Dalapon [2C]	137	62	µg/kg wet	311		44.2	40-140		
Dicamba	10.0	2.5	µg/kg wet	12.4		80.7	40-140		
Dicamba [2C]	9.93	2.5	µg/kg wet	12.4		80.0	40-140		
Dichloroprop	120	25	µg/kg wet	124		96.9	40-140		
Dichloroprop [2C]	122	25	µg/kg wet	124		98.0	40-140		
Dinoseb	5.79	12	µg/kg wet	62.1		9.33	0-42.4		
Dinoseb [2C]	5.72	12	µg/kg wet	62.1		9.21	0-41.1		
MCPA	9450	2500	µg/kg wet	12400		76.0	40-140		
MCPA [2C]	9730	2500	µg/kg wet	12400		78.3	40-140		
MCPP	10000	2500	µg/kg wet	12400		80.7	40-140		
MCPP [2C]	9930	2500	µg/kg wet	12400		79.9	40-140		
Surrogate: 2,4-Dichlorophenylacetic acid	84.0		µg/kg wet	99.4		84.5	30-150		
Surrogate: 2,4-Dichlorophenylacetic acid [2C]	79.8		µg/kg wet	99.4		80.3	30-150		

QUALITY CONTROL**Herbicides by GC/ECD - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B127003 - SW-846 8151

LCS Dup (B127003-BSD1)										
Prepared: 07/23/15 Analyzed: 07/27/15										
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4-D	95.8	25	µg/kg wet	124	77.1	40-140	1.67	30		
2,4-D [2C]	83.9	25	µg/kg wet	124	67.5	40-140	1.35	30		
2,4-DB	126	25	µg/kg wet	124	101	40-140	3.32	30		
2,4-DB [2C]	89.8	25	µg/kg wet	124	72.2	40-140	2.31	30	R-06	
2,4,5-TP (Silvex)	8.86	2.5	µg/kg wet	12.4	71.3	40-140	5.49	30		
2,4,5-TP (Silvex) [2C]	9.60	2.5	µg/kg wet	12.4	77.3	40-140	5.77	30		
2,4,5-T	9.20	2.5	µg/kg wet	12.4	74.1	40-140	2.34	30		
2,4,5-T [2C]	9.88	2.5	µg/kg wet	12.4	79.5	40-140	7.80	30		
Dalapon	137	62	µg/kg wet	311	44.1	40-140	3.91	30		
Dalapon [2C]	132	62	µg/kg wet	311	42.6	40-140	3.59	30		
Dicamba	9.99	2.5	µg/kg wet	12.4	80.4	40-140	0.355	30		
Dicamba [2C]	9.96	2.5	µg/kg wet	12.4	80.1	40-140	0.240	30		
Dichloroprop	120	25	µg/kg wet	124	96.4	40-140	0.522	30		
Dichloroprop [2C]	119	25	µg/kg wet	124	95.4	40-140	2.62	30		
Dinoseb	5.61	12	µg/kg wet	62.1	9.03	0-42.4	3.23	30		
Dinoseb [2C]	5.78	12	µg/kg wet	62.1	9.31	0-41.1	1.11	30		
MCPA	9400	2500	µg/kg wet	12400	75.7	40-140	0.516	30		
MCPA [2C]	9900	2500	µg/kg wet	12400	79.7	40-140	1.72	30		
MCPP	9880	2500	µg/kg wet	12400	79.5	40-140	1.51	30		
MCPP [2C]	9760	2500	µg/kg wet	12400	78.5	40-140	1.77	30		
Surrogate: 2,4-Dichlorophenylacetic acid	85.4		µg/kg wet	99.4	85.9	30-150				
Surrogate: 2,4-Dichlorophenylacetic acid [2C]	83.7		µg/kg wet	99.4	84.2	30-150				

Matrix Spike (B127003-MS1)										
Source: 15G1139-11 Prepared: 07/23/15 Analyzed: 07/28/15										
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4-D	114	27	µg/kg dry	133	ND	86.0	30-150			
2,4-D [2C]	107	27	µg/kg dry	133	ND	80.7	30-150			
2,4-DB	236	27	µg/kg dry	133	ND	178 *	30-150		MS-22	
2,4-DB [2C]	117	27	µg/kg dry	133	ND	88.1	30-150		R-06	
2,4,5-TP (Silvex)	12.0	2.7	µg/kg dry	13.3	ND	90.8	30-150			
2,4,5-TP (Silvex) [2C]	10.5	2.7	µg/kg dry	13.3	ND	78.9	30-150			
2,4,5-T	14.9	2.7	µg/kg dry	13.3	3.41	86.7	30-150			
2,4,5-T [2C]	12.0	2.7	µg/kg dry	13.3	2.57	71.4	30-150			
Dalapon	182	66	µg/kg dry	332	ND	55.0	30-150			
Dalapon [2C]	189	66	µg/kg dry	332	ND	57.0	30-150			
Dicamba	10.5	2.7	µg/kg dry	13.3	ND	79.1	30-150			
Dicamba [2C]	11.4	2.7	µg/kg dry	13.3	ND	86.1	30-150			
Dichloroprop	155	27	µg/kg dry	133	ND	117	30-150			
Dichloroprop [2C]	131	27	µg/kg dry	133	ND	99.1	30-150			
Dinoseb	56.2	13	µg/kg dry	66.3	16.4	60.1	10-150			
Dinoseb [2C]	47.0	13	µg/kg dry	66.3	14.6	48.8	10-150			
MCPA	13900	2700	µg/kg dry	13300	ND	105	30-150			
MCPA [2C]	12300	2700	µg/kg dry	13300	ND	92.9	30-150			
MCPP	10600	2700	µg/kg dry	13300	ND	79.6	30-150			
MCPP [2C]	15200	2700	µg/kg dry	13300	ND	115	30-150			
Surrogate: 2,4-Dichlorophenylacetic acid	129		µg/kg dry	106	121	30-150				
Surrogate: 2,4-Dichlorophenylacetic acid [2C]	94.5		µg/kg dry	106	89.0	30-150				

QUALITY CONTROL**Herbicides by GC/ECD - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B127003 - SW-846 8151

Matrix Spike Dup (B127003-MSD1)	Source: 15G1139-11			Prepared: 07/23/15 Analyzed: 07/28/15						
2,4-D	107	27	µg/kg dry	133	ND	80.8	30-150	6.15	30	
2,4-D [2C]	102	27	µg/kg dry	133	ND	77.1	30-150	4.59	30	
2,4-DB	175	27	µg/kg dry	133	ND	132	30-150	29.5	30	
2,4-DB [2C]	167	27	µg/kg dry	133	ND	126	30-150	35.3 *	30	R-06
2,4,5-TP (Silvex)	10.8	2.7	µg/kg dry	13.3	ND	81.4	30-150	10.9	30	
2,4,5-TP (Silvex) [2C]	9.38	2.7	µg/kg dry	13.3	ND	70.7	30-150	10.9	30	
2,4,5-T	13.1	2.7	µg/kg dry	13.3	3.41	73.3	30-150	12.7	30	
2,4,5-T [2C]	11.0	2.7	µg/kg dry	13.3	2.57	63.3	30-150	9.29	30	
Dalapon	172	66	µg/kg dry	332	ND	52.0	30-150	5.73	30	
Dalapon [2C]	183	66	µg/kg dry	332	ND	55.3	30-150	3.09	30	
Dicamba	11.2	2.7	µg/kg dry	13.3	ND	84.4	30-150	6.46	30	
Dicamba [2C]	11.7	2.7	µg/kg dry	13.3	ND	88.1	30-150	2.36	30	
Dichloroprop	136	27	µg/kg dry	133	ND	102	30-150	13.3	30	
Dichloroprop [2C]	124	27	µg/kg dry	133	ND	93.8	30-150	5.57	30	
Dinoseb	57.6	13	µg/kg dry	66.3	16.4	62.2	10-150	2.49	30	
Dinoseb [2C]	46.8	13	µg/kg dry	66.3	14.6	48.5	10-150	0.440	30	
MCPA	14000	2700	µg/kg dry	13300	ND	106	30-150	0.489	30	
MCPA [2C]	14100	2700	µg/kg dry	13300	ND	106	30-150	13.5	30	
MCPP	13900	2700	µg/kg dry	13300	ND	105	30-150	27.5	30	
MCPP [2C]	13900	2700	µg/kg dry	13300	ND	105	30-150	9.01	30	
Surrogate: 2,4-Dichlorophenylacetic acid	118		µg/kg dry	106		112	30-150			
Surrogate: 2,4-Dichlorophenylacetic acid [2C]	103		µg/kg dry	106		97.5	30-150			



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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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Batch B127002 - SW-846 3546

Blank (B127002-BLK1)										
		Prepared: 07/23/15 Analyzed: 07/24/15								
Diesel Range Organics	ND	8.3	mg/Kg wet							
Surrogate: o-Terphenyl	2.59		mg/Kg wet	3.33		77.6	40-140			
LCS (B127002-BS1)							Prepared: 07/23/15 Analyzed: 07/24/15			
Diesel Range Organics	26.0	8.3	mg/Kg wet	33.3		77.9	40-140			
Surrogate: o-Terphenyl	2.69		mg/Kg wet	3.33		80.6	40-140			
LCS Dup (B127002-BSD1)							Prepared: 07/23/15 Analyzed: 07/24/15			
Diesel Range Organics	30.1	8.3	mg/Kg wet	33.3		90.4	40-140	14.9		
Surrogate: o-Terphenyl	3.08		mg/Kg wet	3.33		92.5	40-140			



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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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Batch B126980 - SW-846 3050B

Blank (B126980-BLK1)		Prepared & Analyzed: 07/24/15								
Arsenic	ND	2.5	mg/Kg wet							
Barium	ND	2.5	mg/Kg wet							
Cadmium	ND	0.25	mg/Kg wet							
Chromium	ND	0.50	mg/Kg wet							
Lead	ND	0.75	mg/Kg wet							
Selenium	ND	5.0	mg/Kg wet							
Silver	ND	0.50	mg/Kg wet							

LCS (B126980-BS1)		Prepared & Analyzed: 07/24/15								
Arsenic	96.4	5.0	mg/Kg wet	98.5		97.9	77.8-122.1			
Barium	301	5.0	mg/Kg wet	308		97.8	82-117.4			
Cadmium	137	0.50	mg/Kg wet	146		94.2	81.9-118.2			
Chromium	173	0.99	mg/Kg wet	182		95.1	78.7-120.6			
Lead	125	1.5	mg/Kg wet	130		95.9	82.4-117.8			
Selenium	149	9.9	mg/Kg wet	154		96.9	77.1-122.3			
Silver	38.2	0.99	mg/Kg wet	40.9		93.3	74.3-125.4			

LCS Dup (B126980-BSD1)		Prepared & Analyzed: 07/24/15								
Arsenic	95.5	5.0	mg/Kg wet	98.5		96.9	77.8-122.1	0.953	30	
Barium	309	5.0	mg/Kg wet	308		100	82-117.4	2.52	30	
Cadmium	134	0.50	mg/Kg wet	146		91.9	81.9-118.2	2.41	30	
Chromium	175	1.0	mg/Kg wet	182		96.4	78.7-120.6	1.32	30	
Lead	144	1.5	mg/Kg wet	130		110	82.4-117.8	14.1	30	
Selenium	149	10	mg/Kg wet	154		96.9	77.1-122.3	0.0672	30	
Silver	38.6	1.0	mg/Kg wet	40.9		94.4	74.3-125.4	1.12	30	

MRL Check (B126980-MRL1)		Prepared & Analyzed: 07/24/15								
Lead	0.688	0.71	mg/Kg wet	0.713		96.5	80-120			

Batch B127026 - SW-846 7471

Blank (B127026-BLK1)		Prepared: 07/24/15 Analyzed: 07/28/15								
Mercury	ND	0.025	mg/Kg wet							
LCS (B127026-BS1)		Prepared: 07/24/15 Analyzed: 07/28/15								
Mercury	7.24	0.75	mg/Kg wet	7.10		102	73.7-126.3			
LCS Dup (B127026-BSD1)		Prepared: 07/24/15 Analyzed: 07/28/15								
Mercury	7.45	0.76	mg/Kg wet	7.10		105	73.7-126.3	2.84	30	

Batch B127066 - SW-846 3050B

Blank (B127066-BLK1)		Prepared: 07/24/15 Analyzed: 07/28/15								
Arsenic	ND	2.5	mg/Kg wet							
Barium	ND	2.5	mg/Kg wet							
Cadmium	ND	0.25	mg/Kg wet							
Chromium	ND	0.50	mg/Kg wet							
Lead	ND	0.75	mg/Kg wet							
Selenium	ND	5.0	mg/Kg wet							
Silver	ND	0.50	mg/Kg wet							



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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	Limit Notes
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Batch B127066 - SW-846 3050B

LCS (B127066-BS1)						
Prepared: 07/24/15 Analyzed: 07/28/15						
Arsenic	85.8	5.0	mg/Kg wet	98.5	87.1	77.8-122.1
Barium	266	5.0	mg/Kg wet	308	86.4	82-117.4
Cadmium	131	0.50	mg/Kg wet	146	89.6	81.9-118.2
Chromium	153	1.0	mg/Kg wet	182	84.3	78.7-120.6
Lead	107	1.5	mg/Kg wet	130	82.5	82.4-117.8
Selenium	125	10	mg/Kg wet	154	81.2	77.1-122.3
Silver	32.8	1.0	mg/Kg wet	40.9	80.2	74.3-125.4
LCS Dup (B127066-BSD1)						
Prepared: 07/24/15 Analyzed: 07/28/15						
Arsenic	85.6	5.0	mg/Kg wet	98.5	86.9	77.8-122.1
Barium	262	5.0	mg/Kg wet	308	85.0	82-117.4
Cadmium	132	0.50	mg/Kg wet	146	90.5	81.9-118.2
Chromium	154	1.0	mg/Kg wet	182	84.8	78.7-120.6
Lead	120	1.5	mg/Kg wet	130	92.6	82.4-117.8
Selenium	123	10	mg/Kg wet	154	80.2	77.1-122.3
Silver	32.8	1.0	mg/Kg wet	40.9	80.2	74.3-125.4
Duplicate (B127066-DUP1)						
Source: 15G1139-03			Prepared: 07/24/15 Analyzed: 07/28/15			
Arsenic	14.8	2.6	mg/Kg dry	15.0	0.845	35
Barium	38.9	2.6	mg/Kg dry	42.4	8.46	35
Cadmium	0.805	0.26	mg/Kg dry	0.838	3.98	35
Chromium	15.2	0.53	mg/Kg dry	13.3	13.2	35
Lead	67.1	0.79	mg/Kg dry	76.8	13.5	35
Selenium	ND	5.3	mg/Kg dry	ND	NC	35
Silver	ND	0.53	mg/Kg dry	ND	NC	35
MRL Check (B127066-MRL1)						
Prepared: 07/24/15 Analyzed: 07/27/15						
Lead	0.733	0.75	mg/Kg wet	0.752	97.5	80-120
Matrix Spike (B127066-MS1)						
Source: 15G1139-03			Prepared: 07/24/15 Analyzed: 07/28/15			
Arsenic	96.2	2.6	mg/Kg dry	106	15.0	77.0
Barium	122	2.6	mg/Kg dry	106	42.4	75.5
Cadmium	85.3	0.26	mg/Kg dry	106	0.838	80.0
Chromium	96.9	0.53	mg/Kg dry	106	13.3	79.2
Lead	137	0.79	mg/Kg dry	106	76.8	57.5 * 75-125
Selenium	80.8	5.3	mg/Kg dry	106	ND	76.6
Silver	79.8	0.53	mg/Kg dry	106	ND	75.6
MS-07						



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QUALITY CONTROL

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	Limit Notes
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Batch B127041 - % Solids

Duplicate (B127041-DUP1)	Source: 15G1139-01		Prepared & Analyzed: 07/24/15					
% Solids	92.0		% Wt		91.5		0.545	20
Duplicate (B127041-DUP2)	Source: 15G1139-14		Prepared & Analyzed: 07/24/15					
% Solids	92.7		% Wt		97.5		5.05	20

Batch B127080 - SW-846 9045C

LCS (B127080-BS1)	Prepared & Analyzed: 07/24/15							
pH	6.05		pH Units	6.00	101 98.6-102			
LCS (B127080-BS2)	Prepared & Analyzed: 07/24/15							
pH	6.04		pH Units	6.00	101 98.6-102			
Duplicate (B127080-DUP1)	Source: 15G1139-05			Prepared & Analyzed: 07/24/15				
pH	7.8		pH Units		7.9		0.510	5
Duplicate (B127080-DUP2)	Source: 15G1139-14			Prepared & Analyzed: 07/24/15				
pH	6.8		pH Units		6.9		1.45	5

Batch B127097 - SM21-22 2510B Modified

Blank (B127097-BLK1)	Prepared & Analyzed: 07/24/15					
Specific conductance	ND	2.0	μmhos/cm			
LCS (B127097-BS1)	Prepared & Analyzed: 07/24/15					
Specific conductance	280		μmhos/cm	286	97.4 88.6-105	
Duplicate (B127097-DUP1)	Source: 15G1139-04			Prepared & Analyzed: 07/24/15		
Specific conductance	27	2.0	μmhos/cm		26	3.74 19.6
Duplicate (B127097-DUP2)	Source: 15G1139-14			Prepared & Analyzed: 07/24/15		
Specific conductance	17	2.0	μmhos/cm		17	1.61 19.6

Batch B127170 - SW-846 9014

Blank (B127170-BLK1)	Prepared: 07/27/15 Analyzed: 07/28/15				
Reactive Cyanide	ND	0.40	mg/Kg		
LCS (B127170-BS1)	Prepared: 07/27/15 Analyzed: 07/28/15				
Reactive Cyanide	9.5	0.40	mg/Kg	10.0	95.4 86.4-107



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QUALITY CONTROL

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	Limit Notes
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Batch B127200 - SW-846 9014

Blank (B127200-BLK1)	Prepared: 07/27/15 Analyzed: 07/28/15							
Cyanide	ND	0.49	mg/Kg wet					
LCS (B127200-BS1)	Prepared: 07/27/15 Analyzed: 07/28/15							
Cyanide	60	2.4	mg/Kg wet	61.4	97.1	80-120		
LCS Dup (B127200-BSD1)	Prepared: 07/27/15 Analyzed: 07/28/15							
Cyanide	60	2.4	mg/Kg wet	62.6	95.9	80-120	0.675	20
Matrix Spike (B127200-MS1)	Source: 15G1139-04 Prepared: 07/27/15 Analyzed: 07/28/15							
Cyanide	31	0.49	mg/Kg dry	15.4	16 103	75-125		
Matrix Spike (B127200-MS2)	Source: 15G1139-12 Prepared: 07/27/15 Analyzed: 07/28/15							
Cyanide	13	0.42	mg/Kg dry	13.1	2.2 83.1	75-125		
Matrix Spike Dup (B127200-MSD1)	Source: 15G1139-04 Prepared: 07/27/15 Analyzed: 07/28/15							
Cyanide	28	0.44	mg/Kg dry	13.9	16 89.1	75-125	11.8	35
Matrix Spike Dup (B127200-MSD2)	Source: 15G1139-12 Prepared: 07/27/15 Analyzed: 07/28/15							
Cyanide	13	0.42	mg/Kg dry	13.1	2.2 80.5	75-125	2.61	35

Batch B127267 - SW-846 9030A

Blank (B127267-BLK1)	Prepared: 07/28/15 Analyzed: 07/29/15							
Reactive Sulfide	ND	2.0	mg/Kg					
LCS (B127267-BS1)	Prepared: 07/28/15 Analyzed: 07/29/15							
Reactive Sulfide	17	2.0	mg/Kg	14.8	114	42.9-132		

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QUALITY CONTROL**TCLP - Volatile Organic Compounds by GC/MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	Limit Notes
Batch B127489 - SW-846 5030B									
Blank (B127489-BLK1)									
Prepared: 07/30/15 Analyzed: 07/31/15									
Benzene	ND	0.010	mg/L						
2-Butanone (MEK)	ND	0.20	mg/L						
Carbon Tetrachloride	ND	0.050	mg/L						
Chlorobenzene	ND	0.010	mg/L						
Chloroform	ND	0.020	mg/L						
1,4-Dichlorobenzene	ND	0.010	mg/L						
1,2-Dichloroethane	ND	0.010	mg/L						
1,1-Dichloroethylene	ND	0.010	mg/L						
Tetrachloroethylene	ND	0.010	mg/L						
Trichloroethylene	ND	0.010	mg/L						
Vinyl Chloride	ND	0.020	mg/L						
Surrogate: 1,2-Dichloroethane-d4	0.0238		mg/L	0.0250	95.4	70-130			
Surrogate: Toluene-d8	0.0249		mg/L	0.0250	99.6	70-130			
Surrogate: 4-Bromofluorobenzene	0.0245		mg/L	0.0250	97.8	70-130			
LCS (B127489-BS1)									
Prepared: 07/30/15 Analyzed: 07/31/15									
Benzene	0.0100	0.0010	mg/L	0.0100	100	70-130			
2-Butanone (MEK)	0.0904	0.020	mg/L	0.100	90.4	40-160			†
Carbon Tetrachloride	0.0108	0.0050	mg/L	0.0100	108	70-130			
Chlorobenzene	0.0111	0.0010	mg/L	0.0100	111	70-130			
Chloroform	0.00975	0.0020	mg/L	0.0100	97.5	70-130			
1,4-Dichlorobenzene	0.0109	0.0010	mg/L	0.0100	109	70-130			
1,2-Dichloroethane	0.0109	0.0010	mg/L	0.0100	109	70-130			
1,1-Dichloroethylene	0.0112	0.0010	mg/L	0.0100	112	70-130			
Tetrachloroethylene	0.0106	0.0010	mg/L	0.0100	106	70-130			
Trichloroethylene	0.0101	0.0010	mg/L	0.0100	101	70-130			
Vinyl Chloride	0.00944	0.0020	mg/L	0.0100	94.4	40-160			†
Surrogate: 1,2-Dichloroethane-d4	0.0236		mg/L	0.0250	94.4	70-130			
Surrogate: Toluene-d8	0.0249		mg/L	0.0250	99.5	70-130			
Surrogate: 4-Bromofluorobenzene	0.0243		mg/L	0.0250	97.4	70-130			
LCS Dup (B127489-BSD1)									
Prepared: 07/30/15 Analyzed: 07/31/15									
Benzene	0.0101	0.0010	mg/L	0.0100	101	70-130	0.299	25	
2-Butanone (MEK)	0.0945	0.020	mg/L	0.100	94.5	40-160	4.46	25	†
Carbon Tetrachloride	0.0107	0.0050	mg/L	0.0100	107	70-130	1.77	25	
Chlorobenzene	0.0111	0.0010	mg/L	0.0100	111	70-130	0.631	25	
Chloroform	0.00993	0.0020	mg/L	0.0100	99.3	70-130	1.83	25	
1,4-Dichlorobenzene	0.0109	0.0010	mg/L	0.0100	109	70-130	0.276	25	
1,2-Dichloroethane	0.0110	0.0010	mg/L	0.0100	110	70-130	0.820	25	
1,1-Dichloroethylene	0.0114	0.0010	mg/L	0.0100	114	70-130	1.85	25	
Tetrachloroethylene	0.0105	0.0010	mg/L	0.0100	105	70-130	1.13	25	
Trichloroethylene	0.0102	0.0010	mg/L	0.0100	102	70-130	0.985	25	
Vinyl Chloride	0.00931	0.0020	mg/L	0.0100	93.1	40-160	1.39	25	†
Surrogate: 1,2-Dichloroethane-d4	0.0238		mg/L	0.0250	95.0	70-130			
Surrogate: Toluene-d8	0.0248		mg/L	0.0250	99.4	70-130			
Surrogate: 4-Bromofluorobenzene	0.0248		mg/L	0.0250	99.2	70-130			



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BREAKDOWN REPORT

Lab Sample ID:	S009127-PEM1	Analyzed:	07/29/2015
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Column Number: 1

Analyte	% Breakdown
4,4'-DDT [1]	0.98
Endrin [1]	10.46

Column Number: 2

Analyte	% Breakdown
4,4'-DDT [2]	1.33
Endrin [2]	11.34

BREAKDOWN REPORT

Lab Sample ID:	S009127-PEM2	Analyzed:	07/29/2015
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Column Number: 1

Analyte	% Breakdown
4,4'-DDT [1]	0.74
Endrin [1]	7.46

Column Number: 2

Analyte	% Breakdown
4,4'-DDT [2]	1.06
Endrin [2]	8.44

BREAKDOWN REPORT

Lab Sample ID:	S009127-PEM3	Analyzed:	07/30/2015
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Column Number: 1

Analyte	% Breakdown
4,4'-DDT [1]	0.66
Endrin [1]	6.73



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BREAKDOWN REPORT

Lab Sample ID:	S009127-PEM3	Analyzed:	07/30/2015
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Column Number:	2
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Analyte	% Breakdown
4,4'-DDT [2]	0.99
Endrin [2]	7.74

BREAKDOWN REPORT

Lab Sample ID:	S009127-PEM4	Analyzed:	07/30/2015
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Column Number:	1
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Analyte	% Breakdown
4,4'-DDT [1]	0.53
Endrin [1]	3.25

Column Number:	2
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Analyte	% Breakdown
4,4'-DDT [2]	0.74
Endrin [2]	3.81

BREAKDOWN REPORT

Lab Sample ID:	S009127-PEM5	Analyzed:	07/30/2015
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Column Number:	1
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Analyte	% Breakdown
4,4'-DDT [1]	0.87
Endrin [1]	2.91

Column Number:	2
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Analyte	% Breakdown
4,4'-DDT [2]	1.15
Endrin [2]	3.65

BREAKDOWN REPORT



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BREAKDOWN REPORT

Lab Sample ID:	S009127-PEM6	Analyzed:	07/30/2015
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Column Number:	1
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Analyte	% Breakdown
4,4'-DDT [1]	1.04
Endrin [1]	3.68

Column Number:	2
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Analyte	% Breakdown
4,4'-DDT [2]	1.40
Endrin [2]	4.31

BREAKDOWN REPORT

Lab Sample ID:	S009127-PEM7	Analyzed:	07/31/2015
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Column Number:	1
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Analyte	% Breakdown
4,4'-DDT [1]	6.50
Endrin [1]	2.78

Column Number:	2
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Analyte	% Breakdown
4,4'-DDT [2]	8.23
Endrin [2]	3.49



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**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

No 6-SP1-2

Lab Sample ID: 15G1139-02 Date(s) Analyzed: 07/27/2015 07/27/2015

Date(s) Analyzed: 07/27/2015 07/27/2015

Instrument ID (1): **Instrument ID (2):**

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
2,4-DB	1	15.57	0.00	0.00	42	
	2	15.70	0.00	0.00	35	17.5



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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

No 6-SP1-3

SW-846 8151A

Lab Sample ID: 15G1139-03 Date(s) Analyzed: 07/27/2015 07/27/2015

Date(s) Analyzed: 07/27/2015 07/27/2015

Instrument ID (1): **1234567890** Instrument ID (2): **9876543210**

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Dinoseb	1	17.11	0.00	0.00	29	
	2	16.28	0.00	0.00	29	1.0



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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

No 6-SP1-5

SW-846 8151A

Lab Sample ID: 15G1139-05 Date(s) Analyzed: 07/27/2015 07/27/2015

Date(s) Analyzed: 07/27/2015 07/27/2015

Instrument ID (1): **Instrument ID (2)**

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
2,4-DB	1	15.57	0.00	0.00	48	
	2	15.70	0.00	0.00	28	51.9



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**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

SW-846 8151A

No 6-SP1-6

Lab Sample ID: 15G1139-06 Date(s) Analyzed: 07/27/2015 07/27/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
2,4-DB	1	15.57	0.00	0.00	51	
	2	15.71	0.00	0.00	51	0.8
Dinoseb	1	17.11	0.00	0.00	14	
	2	16.28	0.00	0.00	15	9.1



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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

No 6-SP1-7

SW-846 8151A

Lab Sample ID: 15G1139-07 Date(s) Analyzed: 07/28/2015 07/28/2015

Date(s) Analyzed: 07/28/2015 07/28/2015

Instrument ID (1): **1234567890** Instrument ID (2): **9876543210**

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
2,4-DB	1	15.57	0.00	0.00	48	
	2	15.71	0.00	0.00	46	4.5



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**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

SW-846 8151A

No 6-SP1-9

Lab Sample ID: 15G1139-09 Date(s) Analyzed: 07/28/2015 07/28/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
2,4-DB	1	15.57	0.00	0.00	68	
	2	15.71	0.00	0.00	50	30.9
Dinoseb	1	17.11	0.00	0.00	15	
	2	16.28	0.00	0.00	16	7.8



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**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

No 6-SP2-1

SW-846 8151A

Lab Sample ID: 15G1139-10 Date(s) Analyzed: 07/28/2015 07/28/2015

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
2,4-DB	1	15.57	0.00	0.00	110	
	2	15.71	0.00	0.00	86	20.8



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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

No 6-SP2-2

SW-846 8151A

Lab Sample ID: 15G1139-11 Date(s) Analyzed: 07/28/2015 07/28/2015

Date(s) Analyzed: 07/28/2015 07/28/2015

Instrument ID (1): **Instrument ID (2):**

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Dinoseb	1	17.11	0.00	0.00	16	
	2	16.29	0.00	0.00	15	8.9



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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

No 6-SP3-1

SW-846 8151A

Lab Sample ID: 15G1139-13 Date(s) Analyzed: 07/28/2015 07/28/2015

Date(s) Analyzed: 07/28/2015 07/28/2015

Instrument ID (1): **Instrument ID (2)**

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
2,4-DB	1	15.57	0.00	0.00	240	
	2	15.70	0.00	0.00	51	129.0



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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

No 6-SP3-2

SW-846 8151A

Lab Sample ID: 15G1139-14 Date(s) Analyzed: 07/28/2015 07/28/2015

Date(s) Analyzed: 07/28/2015 07/28/2015

Instrument ID (1): **Instrument ID (2)**

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
2,4-DB	1	15.57	0.00	0.00	200	
	2	15.71	0.00	0.00	50	118.0



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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

LCS

SW-846 8151A

Lab Sample ID: B127003-BS1

Date(s) Analyzed: 07/27/2015 07/27/2015

Instrument ID (1):

Instrument ID (2)

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
2,4,5-T	1	14.41	0.00	0.00	9.42	
	2	14.59	0.00	0.00	10.7	13
2,4,5-TP (Silvex)	1	13.82	0.00	0.00	9.36	
	2	13.77	0.00	0.00	10.2	9
2,4-D	1	12.10	0.00	0.00	97.4	
	2	12.12	0.00	0.00	82.8	16
2,4-DB	1	15.57	0.00	0.00	130	
	2	15.68	0.00	0.00	91.9	34
Dalapon	1	3.93	0.00	0.00	143	
	2	3.60	0.00	0.00	137	4
Dicamba	1	10.16	0.00	0.00	10.0	
	2	10.07	0.00	0.00	9.93	1
Dichloroprop	1	11.63	0.00	0.00	120	
	2	11.49	0.00	0.00	122	2
Dinoseb	1	17.10	0.00	0.00	5.79	
	2	16.29	0.00	0.00	5.72	1
MCPA	1	10.91	0.00	0.00	9450	
	2	10.85	0.00	0.00	9730	3
MCPP	1	10.61	0.00	0.00	10000	
	2	10.40	0.00	0.00	9930	1



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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

LCS Dup

SW-846 8151A

Lab Sample ID: B127003-BSD1

Date(s) Analyzed: 07/27/2015 07/27/2015

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
2,4,5-T	1	14.42	0.00	0.00	9.20	
	2	14.59	0.00	0.00	9.88	7
2,4,5-TP (Silvex)	1	13.82	0.00	0.00	8.86	
	2	13.77	0.00	0.00	9.60	8
2,4-D	1	12.10	0.00	0.00	95.8	
	2	12.12	0.00	0.00	83.9	13
2,4-DB	1	15.57	0.00	0.00	126	
	2	15.68	0.00	0.00	89.8	34
Dalapon	1	3.93	0.00	0.00	137	
	2	3.60	0.00	0.00	132	4
Dicamba	1	10.16	0.00	0.00	9.99	
	2	10.07	0.00	0.00	9.96	0
Dichloroprop	1	11.62	0.00	0.00	120	
	2	11.48	0.00	0.00	119	1
Dinoseb	1	17.10	0.00	0.00	5.61	
	2	16.29	0.00	0.00	5.78	3
MCPA	1	10.91	0.00	0.00	9400	
	2	10.85	0.00	0.00	9900	5
MCPP	1	10.61	0.00	0.00	9880	
	2	10.40	0.00	0.00	9760	1



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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8151A

Matrix Spike

Lab Sample ID: B127003-MS1 Date(s) Analyzed: 07/28/2015 07/28/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
2,4,5-T	1	14.42	0.00	0.00	14.9	
	2	14.59	0.00	0.00	12.0	22
2,4,5-TP (Silvex)	1	13.82	0.00	0.00	12.0	
	2	13.77	0.00	0.00	10.5	13
2,4-D	1	12.09	0.00	0.00	114	
	2	12.12	0.00	0.00	107	6
2,4-DB	1	15.57	0.00	0.00	236	
	2	15.68	0.00	0.00	117	67
Dalapon	1	3.93	0.00	0.00	182	
	2	3.61	0.00	0.00	189	4
Dicamba	1	10.16	0.00	0.00	10.5	
	2	10.07	0.00	0.00	11.4	8
Dichloroprop	1	11.62	0.00	0.00	155	
	2	11.48	0.00	0.00	131	17
Dinoseb	1	17.11	0.00	0.00	56.2	
	2	16.29	0.00	0.00	47.0	18
MCPA	1	10.92	0.00	0.00	13900	
	2	10.85	0.00	0.00	12300	12
MCPP	1	10.62	0.00	0.00	10600	
	2	10.40	0.00	0.00	15200	36



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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

Matrix Spike Dup

SW-846 8151A

Lab Sample ID: B127003-MSD1

Date(s) Analyzed: 07/28/2015 07/28/2015

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
2,4,5-T	1	14.41	0.00	0.00	13.1	
	2	14.59	0.00	0.00	11.0	17
2,4,5-TP (Silvex)	1	13.82	0.00	0.00	10.8	
	2	13.76	0.00	0.00	9.38	14
2,4-D	1	12.09	0.00	0.00	107	
	2	12.12	0.00	0.00	102	5
2,4-DB	1	15.57	0.00	0.00	175	
	2	15.67	0.00	0.00	167	5
Dalapon	1	3.93	0.00	0.00	172	
	2	3.60	0.00	0.00	183	6
Dicamba	1	10.15	0.00	0.00	11.2	
	2	10.07	0.00	0.00	11.7	4
Dichloroprop	1	11.62	0.00	0.00	136	
	2	11.48	0.00	0.00	124	9
Dinoseb	1	17.11	0.00	0.00	57.6	
	2	16.29	0.00	0.00	46.8	21
MCPA	1	10.92	0.00	0.00	14000	
	2	10.85	0.00	0.00	14100	1
MCPP	1	10.62	0.00	0.00	13900	
	2	10.40	0.00	0.00	13900	0



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**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

LCS

SW-846 8081B

Lab Sample ID:	B127059-BS1	Date(s) Analyzed:	07/29/2015	07/29/2015
Instrument ID (1):	ECD2	Instrument ID (2):	ECD2	
GC Column (1):	ID: (mm)	GC Column (2):	ID: (mm)	

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
4,4'-DDD	1	7.04	0.00	0.00	0.098	
	2	7.15	0.00	0.00	0.096	2
4,4'-DDE	1	6.61	0.00	0.00	0.097	
	2	6.72	0.00	0.00	0.095	2
4,4'-DDT	1	7.25	0.00	0.00	0.10	
	2	7.38	0.00	0.00	0.099	3
Aldrin	1	5.96	0.00	0.00	0.090	
	2	5.97	0.00	0.00	0.093	3
alpha-BHC	1	5.29	0.00	0.00	0.093	
	2	5.29	0.00	0.00	0.088	6
beta-BHC	1	5.53	0.00	0.00	0.082	
	2	5.55	0.00	0.00	0.085	3
delta-BHC	1	5.64	0.00	0.00	0.076	
	2	5.73	0.00	0.00	0.079	4
Dieldrin	1	6.81	0.00	0.00	0.090	
	2	6.82	0.00	0.00	0.095	6
Endosulfan I	1	6.64	0.00	0.00	0.089	
	2	6.62	0.00	0.00	0.090	1
Endosulfan II	1	7.14	0.00	0.00	0.091	
	2	7.20	0.00	0.00	0.091	0
Endosulfan Sulfate	1	7.79	0.00	0.00	0.085	
	2	7.68	0.00	0.00	0.085	0
Endrin	1	6.98	0.00	0.00	0.10	
	2	7.04	0.00	0.00	0.098	3
Endrin Ketone	1	8.00	0.00	0.00	0.089	
	2	8.08	0.00	0.00	0.083	7
gamma-BHC (Lindane)	1	5.48	0.00	0.00	0.086	
	2	5.50	0.00	0.00	0.089	3
Heptachlor	1	5.77	0.00	0.00	0.084	
	2	5.76	0.00	0.00	0.092	10
Heptachlor Epoxide	1	6.37	0.00	0.00	0.089	



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**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

LCS

SW-846 8081B

Lab Sample ID: B127059-BS1 Date(s) Analyzed: 07/29/2015 07/29/2015

Instrument ID (1): ECD2 Instrument ID (2): ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
	2	6.35	0.00	0.00	0.091	2
Hexachlorobenzene	1	5.19	0.00	0.00	0.084	
	2	5.21	0.00	0.00	0.086	2
Methoxychlor	1	7.63	0.00	0.00	0.099	
	2	7.94	0.00	0.00	0.10	1



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**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

LCS Dup

SW-846 8081B

Lab Sample ID:	B127059-BSD1	Date(s) Analyzed:	07/29/2015	07/29/2015
Instrument ID (1):	ECD2	Instrument ID (2):	ECD2	
GC Column (1):	ID:	(mm)	GC Column (2):	ID:

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
4,4'-DDD	1	7.04	0.00	0.00	0.11	
	2	7.15	0.00	0.00	0.10	5
4,4'-DDE	1	6.61	0.00	0.00	0.10	
	2	6.72	0.00	0.00	0.10	2
4,4'-DDT	1	7.25	0.00	0.00	0.11	
	2	7.38	0.00	0.00	0.10	9
Aldrin	1	5.96	0.00	0.00	0.097	
	2	5.97	0.00	0.00	0.099	2
alpha-BHC	1	5.29	0.00	0.00	0.095	
	2	5.29	0.00	0.00	0.093	2
beta-BHC	1	5.53	0.00	0.00	0.088	
	2	5.55	0.00	0.00	0.090	2
delta-BHC	1	5.64	0.00	0.00	0.079	
	2	5.73	0.00	0.00	0.081	3
Dieldrin	1	6.81	0.00	0.00	0.097	
	2	6.82	0.00	0.00	0.10	4
Endosulfan I	1	6.64	0.00	0.00	0.096	
	2	6.62	0.00	0.00	0.096	0
Endosulfan II	1	7.14	0.00	0.00	0.099	
	2	7.20	0.00	0.00	0.098	1
Endosulfan Sulfate	1	7.79	0.00	0.00	0.094	
	2	7.68	0.00	0.00	0.092	2
Endrin	1	6.98	0.00	0.00	0.11	
	2	7.04	0.00	0.00	0.10	8
Endrin Ketone	1	8.00	0.00	0.00	0.097	
	2	8.08	0.00	0.00	0.090	8
gamma-BHC (Lindane)	1	5.48	0.00	0.00	0.093	
	2	5.50	0.00	0.00	0.095	2
Heptachlor	1	5.77	0.00	0.00	0.090	
	2	5.76	0.00	0.00	0.098	9
Heptachlor Epoxide	1	6.37	0.00	0.00	0.094	



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**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**

SW-846 8081B

LCS Dup

Lab Sample ID: B127059-BSD1 Date(s) Analyzed: 07/29/2015 07/29/2015
 Instrument ID (1): ECD2 Instrument ID (2): ECD2
 GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
	2	6.35	0.00	0.00	0.097	3
Hexachlorobenzene	1	5.19	0.00	0.00	0.090	
	2	5.21	0.00	0.00	0.091	1
Methoxychlor	1	7.63	0.00	0.00	0.11	
	2	7.94	0.00	0.00	0.11	4



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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

LCS

SW-846 8082A

Lab Sample ID: B127060-BS1 Date(s) Analyzed: 07/28/2015 07/28/2015

Date(s) Analyzed: 07/28/2015 07/28/2015

Instrument ID (1): **1** Instrument ID (2): **2**

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.18	
	2	0.00	0.00	0.00	0.19	5
Aroclor-1260	1	0.00	0.00	0.00	0.18	
	2	0.00	0.00	0.00	0.19	4



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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

LCS Dup

SW-846 8082A

Lab Sample ID: B127060-BSD1 Date(s) Analyzed: 07/28/2015 07/28/2015

Date(s) Analyzed: 07/28/2015 07/28/2015

Instrument ID (1): **1234567890** Instrument ID (2): **9876543210**

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.18	
	2	0.00	0.00	0.00	0.20	8
Aroclor-1260	1	0.00	0.00	0.00	0.19	
	2	0.00	0.00	0.00	0.19	2

FLAG/QUALIFIER SUMMARY

- * QC result is outside of established limits.
- † Wide recovery limits established for difficult compound.
- ‡ Wide RPD limits established for difficult compound.
- # Data exceeded client recommended or regulatory level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

No results have been blank subtracted unless specified in the case narrative section.

- H-01 Recommended sample holding time was exceeded, but analysis was performed before 2X the allowable holding time.
- J Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
- L-02 Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.
- L-04 Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
- L-05 Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the high side.
- L-06 Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the high side.
- L-07 Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
- L-14 Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
- MS-07 Matrix spike recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possibility of sample matrix effects that lead to low bias for reported result or non-homogeneous sample aliquot cannot be eliminated.
- MS-22 Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.
- O-32 A dilution was performed as part of the standard analytical procedure.
- P-02 Sample RPD between primary and confirmatory analysis exceeded 40%. Per EPA method 8000, the lower value was reported due to obvious chromatographic interference on the column with the higher result.
- R-05 Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
- R-06 Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.
- RL-05 Elevated reporting limit due to high concentration of target compounds. MA CAM reporting limit not met.
- RL-07 Elevated reporting limit based on lowest point in calibration.
- MA CAM reporting limit not met.
- RL-12 Elevated reporting limit due to matrix interference.
- S-01 The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.
- S-02 The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
- V-05 Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
- V-06 Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.
- V-16 Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
- V-20 Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.



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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 1030 in Soil</i>	
Ignitability	NY,NH,CT,NC,ME,VA,NJ
<i>SW-846 6010C in Soil</i>	
Arsenic	CT,NH,NY,ME,NC,VA,NJ
Barium	CT,NH,NY,ME,NC,VA,NJ
Cadmium	CT,NH,NY,ME,NC,VA,NJ
Chromium	CT,NH,NY,ME,NC,VA,NJ
Lead	CT,NH,NY,AIHA,ME,NC,VA,NJ
Selenium	CT,NH,NY,ME,NC,VA,NJ
Silver	CT,NH,NY,ME,NC,VA,NJ
<i>SW-846 7471B in Soil</i>	
Mercury	CT,NH,NY,NC,ME,VA,NJ
<i>SW-846 8015C in Soil</i>	
Diesel Range Organics	NY,VA,NH,NJ
<i>SW-846 8081B in Soil</i>	
Aldrin	CT,NC,NH,NY,ME,VA,NJ
Aldrin [2C]	CT,NC,NH,NY,ME,VA,NJ
alpha-BHC	CT,NC,NH,NY,ME,VA,NJ
alpha-BHC [2C]	CT,NC,NH,NY,ME,VA,NJ
beta-BHC	CT,NC,NH,NY,ME,VA,NJ
beta-BHC [2C]	CT,NC,NH,NY,ME,VA,NJ
delta-BHC	CT,NC,NH,NY,ME,VA,NJ
delta-BHC [2C]	CT,NC,NH,NY,ME,VA,NJ
gamma-BHC (Lindane)	CT,NC,NH,NY,ME,VA,NJ
gamma-BHC (Lindane) [2C]	CT,NC,NH,NY,ME,VA,NJ
Chlordane	CT,NC,NH,NY,ME,VA,NJ
Chlordane [2C]	CT,NC,NH,NY,ME,VA,NJ
4,4'-DDD	CT,NC,NH,NY,ME,VA,NJ
4,4'-DDD [2C]	CT,NC,NH,NY,ME,VA,NJ
4,4'-DDE	CT,NC,NH,NY,ME,VA,NJ
4,4'-DDE [2C]	CT,NC,NH,NY,ME,VA,NJ
4,4'-DDT	CT,NC,NH,NY,ME,VA,NJ
4,4'-DDT [2C]	CT,NC,NH,NY,ME,VA,NJ
Dieldrin	CT,NC,NH,NY,ME,VA,NJ
Dieldrin [2C]	CT,NC,NH,NY,ME,VA,NJ
Endosulfan I	CT,NC,NH,NY,ME,VA,NJ
Endosulfan I [2C]	CT,NC,NH,NY,ME,VA,NJ
Endosulfan II	CT,NC,NH,NY,ME,VA,NJ
Endosulfan II [2C]	CT,NC,NH,NY,ME,VA,NJ
Endosulfan Sulfate	CT,NC,NH,NY,ME,VA,NJ
Endosulfan Sulfate [2C]	CT,NC,NH,NY,ME,VA,NJ
Endrin	CT,NC,NH,NY,ME,VA,NJ
Endrin [2C]	CT,NC,NH,NY,ME,VA,NJ
Endrin Ketone	NC
Endrin Ketone [2C]	NC
Heptachlor	CT,NC,NH,NY,ME,VA,NJ



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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8081B in Soil</i>	
Heptachlor [2C]	CT,NC,NH,NY,ME,VA,NJ
Heptachlor Epoxide	CT,NC,NH,NY,ME,VA,NJ
Heptachlor Epoxide [2C]	CT,NC,NH,NY,ME,VA,NJ
Hexachlorobenzene	NC
Hexachlorobenzene [2C]	NC
Methoxychlor	CT,NC,NH,NY,ME,VA,NJ
Methoxychlor [2C]	CT,NC,NH,NY,ME,VA,NJ
<i>SW-846 8081B in Water</i>	
Aldrin	CT,NC,NH,NY,ME,VA,NJ
Aldrin [2C]	CT,NC,NH,NY,ME,VA,NJ
alpha-BHC	CT,NC,NH,NY,ME,VA,NJ
alpha-BHC [2C]	CT,NC,NH,NY,ME,VA,NJ
beta-BHC	CT,NC,NH,NY,ME,VA,NJ
beta-BHC [2C]	CT,NC,NH,NY,ME,VA,NJ
delta-BHC	CT,NC,NH,NY,ME,VA,NJ
delta-BHC [2C]	CT,NC,NH,NY,ME,VA,NJ
gamma-BHC (Lindane)	CT,NC,NH,NY,ME,VA,NJ
gamma-BHC (Lindane) [2C]	CT,NC,NH,NY,ME,VA,NJ
Chlordane	CT,NC,NH,NY,ME,VA,NJ
Chlordane [2C]	CT,NC,NH,NY,ME,VA,NJ
4,4'-DDD	CT,NC,NH,NY,ME,VA,NJ
4,4'-DDD [2C]	CT,NC,NH,NY,ME,VA,NJ
4,4'-DDE	CT,NC,NH,NY,ME,VA,NJ
4,4'-DDE [2C]	CT,NC,NH,NY,ME,VA,NJ
4,4'-DDT	CT,NC,NH,NY,ME,VA,NJ
4,4'-DDT [2C]	CT,NC,NH,NY,ME,VA,NJ
Dieldrin	CT,NC,NH,NY,ME,VA,NJ
Dieldrin [2C]	CT,NC,NH,NY,ME,VA,NJ
Endosulfan I	CT,NC,NH,NY,ME,VA,NJ
Endosulfan I [2C]	CT,NC,NH,NY,ME,VA,NJ
Endosulfan II	CT,NC,NH,NY,ME,VA,NJ
Endosulfan II [2C]	CT,NC,NH,NY,ME,VA,NJ
Endosulfan Sulfate	CT,NC,NH,NY,ME,VA,NJ
Endosulfan Sulfate [2C]	CT,NC,NH,NY,ME,VA,NJ
Endrin	CT,NC,NH,NY,ME,VA,NJ
Endrin [2C]	CT,NC,NH,NY,ME,VA,NJ
Endrin Ketone	NC
Endrin Ketone [2C]	NC
Heptachlor	CT,NC,NH,NY,ME,VA,NJ
Heptachlor [2C]	CT,NC,NH,NY,ME,VA,NJ
Heptachlor Epoxide	CT,NC,NH,NY,ME,VA,NJ
Heptachlor Epoxide [2C]	CT,NC,NH,NY,ME,VA,NJ
Hexachlorobenzene	NC
Hexachlorobenzene [2C]	NC
Methoxychlor	CT,NC,NH,NY,ME,VA,NJ
Methoxychlor [2C]	CT,NC,NH,NY,ME,VA,NJ



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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8082A in Soil</i>	
Aroclor-1016	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1221	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1232	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1242	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1248	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1254	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1260	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1262	NC
Aroclor-1262 [2C]	NC
Aroclor-1268	NC
Aroclor-1268 [2C]	NC
<i>SW-846 8151A in Soil</i>	
2,4-D	NY,ME,NC,NH,VA,CT,NJ
2,4-D [2C]	NY,ME,NC,NH,VA,CT,NJ
2,4-DB	NY,ME,NC,NH,VA,CT,NJ
2,4-DB [2C]	NY,ME,NC,NH,VA,CT,NJ
2,4,5-TP (Silvex)	NY,ME,NC,NH,VA,CT,NJ
2,4,5-TP (Silvex) [2C]	NY,ME,NC,NH,VA,CT,NJ
2,4,5-T	NY,ME,NC,NH,VA,CT,NJ
2,4,5-T [2C]	NY,ME,NC,NH,VA,CT,NJ
Dalapon	NY,ME,NC,NH,VA,CT,NJ
Dalapon [2C]	NY,ME,NC,NH,VA,CT,NJ
Dicamba	NY,ME,NC,NH,VA,CT,NJ
Dicamba [2C]	NY,ME,NC,NH,VA,CT,NJ
Dichloroprop	NY,ME,NC,NH,VA,CT,NJ
Dichloroprop [2C]	NY,ME,NC,NH,VA,CT,NJ
Dinoseb	NY,ME,NC,NH,VA,CT,NJ
Dinoseb [2C]	NY,ME,NC,NH,VA,CT,NJ
MCPA	NY,ME,NC,NH,VA,CT,NJ
MCPA [2C]	NY,ME,NC,NH,VA,CT,NJ
MCPP	NY,ME,NC,NH,VA,CT,NJ
MCPP [2C]	NY,ME,NC,NH,VA,CT,NJ
<i>SW-846 8260C in Soil</i>	
Acetone	CT,NH,NY,ME
Acetone	CT,NH,NY,ME
Benzene	CT,NH,NY,ME
Benzene	CT,NH,NY,ME
Bromobenzene	NH,NY,ME
Bromobenzene	NH,NY,ME

CERTIFICATIONS**Certified Analyses included in this Report**

Analyte	Certifications
<i>SW-846 8260C in Soil</i>	
Bromochloromethane	NH,NY,ME
Bromochloromethane	NH,NY,ME
Bromodichloromethane	CT,NH,NY,ME
Bromodichloromethane	CT,NH,NY,ME
Bromoform	CT,NH,NY,ME
Bromoform	CT,NH,NY,ME
Bromomethane	CT,NH,NY,ME
Bromomethane	CT,NH,NY,ME
2-Butanone (MEK)	CT,NH,NY,ME
2-Butanone (MEK)	CT,NH,NY,ME
n-Butylbenzene	CT,NH,NY,ME
n-Butylbenzene	CT,NH,NY,ME
sec-Butylbenzene	CT,NH,NY,ME
sec-Butylbenzene	CT,NH,NY,ME
tert-Butylbenzene	CT,NH,NY,ME
tert-Butylbenzene	CT,NH,NY,ME
Carbon Disulfide	CT,NH,NY,ME
Carbon Disulfide	CT,NH,NY,ME
Carbon Tetrachloride	CT,NH,NY,ME
Carbon Tetrachloride	CT,NH,NY,ME
Chlorobenzene	CT,NH,NY,ME
Chlorobenzene	CT,NH,NY,ME
Chlorodibromomethane	CT,NH,NY,ME
Chlorodibromomethane	CT,NH,NY,ME
Chloroethane	CT,NH,NY,ME
Chloroethane	CT,NH,NY,ME
Chloroform	CT,NH,NY,ME
Chloroform	CT,NH,NY,ME
Chloromethane	CT,NH,NY,ME
Chloromethane	CT,NH,NY,ME
2-Chlorotoluene	CT,NH,NY,ME
2-Chlorotoluene	CT,NH,NY,ME
4-Chlorotoluene	CT,NH,NY,ME
4-Chlorotoluene	CT,NH,NY,ME
Dibromomethane	NH,NY,ME
Dibromomethane	NH,NY,ME
1,2-Dichlorobenzene	CT,NH,NY,ME
1,2-Dichlorobenzene	CT,NH,NY,ME
1,3-Dichlorobenzene	CT,NH,NY,ME
1,3-Dichlorobenzene	CT,NH,NY,ME
1,4-Dichlorobenzene	CT,NH,NY,ME
1,4-Dichlorobenzene	CT,NH,NY,ME
Dichlorodifluoromethane (Freon 12)	NY,ME
Dichlorodifluoromethane (Freon 12)	NY,ME
1,1-Dichloroethane	CT,NH,NY,ME
1,1-Dichloroethane	CT,NH,NY,ME
1,2-Dichloroethane	CT,NH,NY,ME



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CERTIFICATIONS

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Analyte	Certifications
<i>SW-846 8260C in Soil</i>	
1,2-Dichloroethane	CT,NH,NY,ME
1,1-Dichloroethylene	CT,NH,NY,ME
1,1-Dichloroethylene	CT,NH,NY,ME
cis-1,2-Dichloroethylene	CT,NH,NY,ME
cis-1,2-Dichloroethylene	CT,NH,NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME
1,2-Dichloropropane	CT,NH,NY,ME
1,2-Dichloropropane	CT,NH,NY,ME
1,3-Dichloropropane	NH,NY,ME
1,3-Dichloropropane	NH,NY,ME
2,2-Dichloropropane	NH,NY,ME
2,2-Dichloropropane	NH,NY,ME
1,1-Dichloropropene	NH,NY,ME
1,1-Dichloropropene	NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME
trans-1,3-Dichloropropene	CT,NH,NY,ME
trans-1,3-Dichloropropene	CT,NH,NY,ME
Ethylbenzene	CT,NH,NY,ME
Ethylbenzene	CT,NH,NY,ME
Hexachlorobutadiene	NH,NY,ME
Hexachlorobutadiene	NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	CT,NH,NY,ME
p-Isopropyltoluene (p-Cymene)	NH,NY
p-Isopropyltoluene (p-Cymene)	NH,NY
Methyl tert-Butyl Ether (MTBE)	NY
Methyl tert-Butyl Ether (MTBE)	NY
Methylene Chloride	CT,NH,NY,ME
Methylene Chloride	CT,NH,NY,ME
4-Methyl-2-pentanone (MIBK)	CT,NH,NY
4-Methyl-2-pentanone (MIBK)	CT,NH,NY
Naphthalene	NH,NY,ME
Naphthalene	NH,NY,ME
n-Propylbenzene	NH,NY
n-Propylbenzene	NH,NY
Styrene	CT,NH,NY,ME
Styrene	CT,NH,NY,ME
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME
Tetrachloroethylene	CT,NH,NY,ME
Tetrachloroethylene	CT,NH,NY,ME



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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260C in Soil</i>	
Toluene	CT,NH,NY,ME
Toluene	CT,NH,NY,ME
1,2,3-Trichlorobenzene	ME
1,2,4-Trichlorobenzene	NH,NY,ME
1,2,4-Trichlorobenzene	NH,NY,ME
1,1,1-Trichloroethane	CT,NH,NY,ME
1,1,1-Trichloroethane	CT,NH,NY,ME
1,1,2-Trichloroethane	CT,NH,NY,ME
1,1,2-Trichloroethane	CT,NH,NY,ME
Trichloroethylene	CT,NH,NY,ME
Trichloroethylene	CT,NH,NY,ME
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME
1,2,3-Trichloropropane	NH,NY,ME
1,2,3-Trichloropropane	NH,NY,ME
1,2,4-Trimethylbenzene	CT,NH,NY,ME
1,2,4-Trimethylbenzene	CT,NH,NY,ME
1,3,5-Trimethylbenzene	CT,NH,NY,ME
1,3,5-Trimethylbenzene	CT,NH,NY,ME
Vinyl Chloride	CT,NH,NY,ME
Vinyl Chloride	CT,NH,NY,ME
m+p Xylene	CT,NH,NY,ME
m+p Xylene	CT,NH,NY,ME
o-Xylene	CT,NH,NY,ME
o-Xylene	CT,NH,NY,ME
<i>SW-846 8260C in Water</i>	
Acetone	ME,NJ,NY,VA
tert-Amyl Methyl Ether (TAME)	NJ,NY,VA
Benzene	ME,NJ,NY,CT,NC,VA
Bromochloromethane	ME,NJ,NY,VA
Bromodichloromethane	ME,NJ,NY,VA
Bromoform	ME,NJ,NY,VA
Bromomethane	ME,NJ,NY,VA
2-Butanone (MEK)	ME,NJ,NY,CT,NC,VA
n-Butylbenzene	ME,NJ,NY,VA
sec-Butylbenzene	ME,NJ,NY,VA
tert-Butylbenzene	ME,NJ,NY,VA
tert-Butyl Ethyl Ether (TBEE)	ME,NJ,NY,VA
Carbon Disulfide	ME,NJ,NY,VA
Carbon Tetrachloride	ME,NJ,NY,CT,NC,VA
Chlorobenzene	ME,NJ,NY,CT,NC,VA
Chlorodibromomethane	ME,NJ,NY,VA
Chloroethane	ME,NJ,NY,VA
Chloroform	ME,NJ,NY,CT,NC,VA
Chloromethane	ME,NJ,NY,VA
2-Chlorotoluene	ME,NJ,NY,VA

CERTIFICATIONS**Certified Analyses included in this Report**

Analyte	Certifications
<i>SW-846 8260C in Water</i>	
4-Chlorotoluene	ME,NJ,NY,VA
Dibromomethane	ME,NJ,NY,VA
1,2-Dichlorobenzene	ME,NJ,NY,VA
1,3-Dichlorobenzene	ME,NJ,NY,VA
1,4-Dichlorobenzene	ME,NJ,NY,CT,NC,VA
Dichlorodifluoromethane (Freon 12)	ME,NJ,NY,VA
1,1-Dichloroethane	ME,NJ,NY,VA
1,2-Dichloroethane	ME,NJ,NY,CT,NC,VA
1,1-Dichloroethylene	ME,NJ,NY,CT,NC,VA
cis-1,2-Dichloroethylene	ME,NJ,NY
trans-1,2-Dichloroethylene	ME,NJ,NY,VA
1,2-Dichloropropane	ME,NJ,NY,VA
1,3-Dichloropropane	ME,NJ,NY,VA
2,2-Dichloropropane	ME,NJ,NY,VA
1,1-Dichloropropene	ME,NJ,NY,VA
cis-1,3-Dichloropropene	ME,NJ,NY,VA
trans-1,3-Dichloropropene	ME,NJ,NY,VA
Diisopropyl Ether (DIPE)	ME,NJ,NY,VA
Ethylbenzene	ME,NJ,NY,VA
Hexachlorobutadiene	ME,NJ,NY,VA
2-Hexanone (MBK)	ME,NJ,NY,VA
Isopropylbenzene (Cumene)	ME,NJ,NY,VA
p-Isopropyltoluene (p-Cymene)	ME,NJ,NY
Methyl tert-Butyl Ether (MTBE)	ME,NJ,NY,VA
Methylene Chloride	ME,NJ,NY,VA
4-Methyl-2-pentanone (MIBK)	ME,NJ,NY,VA
Naphthalene	ME,NJ,NY,VA
n-Propylbenzene	ME,NJ,NY,VA
Styrene	ME,NJ,NY,VA
1,1,1,2-Tetrachloroethane	ME,NJ,NY,VA
1,1,2,2-Tetrachloroethane	ME,NJ,NY,VA
Tetrachloroethylene	ME,NJ,NY,CT,NC,VA
Tetrahydrofuran	NJ,NY
Toluene	ME,NJ,NY,VA
1,2,3-Trichlorobenzene	ME,NJ,NY,VA
1,2,4-Trichlorobenzene	ME,NJ,NY,VA
1,1,1-Trichloroethane	ME,NJ,NY,VA
1,1,2-Trichloroethane	ME,NJ,NY,VA
Trichloroethylene	ME,NJ,NY,CT,NC,VA
Trichlorofluoromethane (Freon 11)	ME,NJ,NY,VA
1,2,3-Trichloropropane	ME,NJ,NY,VA
1,2,4-Trimethylbenzene	ME,NJ,NY,VA
1,3,5-Trimethylbenzene	ME,NJ,NY,VA
Vinyl Chloride	ME,NJ,NY,CT,NC,VA
m+p Xylene	ME,VA
o-Xylene	ME,VA

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8270D in Soil</i>	
Acenaphthene	CT,NY,NH
Acenaphthylene	CT,NY,NH
Acetophenone	NY,NH
Aniline	NY,NH
Anthracene	CT,NY,NH
Benzo(a)anthracene	CT,NY,NH
Benzo(a)pyrene	CT,NY,NH
Benzo(b)fluoranthene	CT,NY,NH
Benzo(g,h,i)perylene	CT,NY,NH
Benzo(k)fluoranthene	CT,NY,NH
Bis(2-chloroethoxy)methane	CT,NY,NH
Bis(2-chloroethyl)ether	CT,NY,NH
Bis(2-chloroisopropyl)ether	CT,NY,NH
Bis(2-Ethylhexyl)phthalate	CT,NY,NH
4-Bromophenylphenylether	CT,NY,NH
Butylbenzylphthalate	CT,NY,NH
4-Chloroaniline	CT,NY,NH
2-Chloronaphthalene	CT,NY,NH
2-Chlorophenol	CT,NY,NH
Chrysene	CT,NY,NH
Dibenz(a,h)anthracene	CT,NY,NH
Dibenzofuran	CT,NY,NH
Di-n-butylphthalate	CT,NY,NH
1,2-Dichlorobenzene	NY,NH
1,3-Dichlorobenzene	NY,NH
1,4-Dichlorobenzene	NY,NH
3,3-Dichlorobenzidine	CT,NY,NH
2,4-Dichlorophenol	CT,NY,NH
Diethylphthalate	CT,NY,NH
2,4-Dimethylphenol	CT,NY,NH
Dimethylphthalate	CT,NY,NH
2,4-Dinitrophenol	CT,NY,NH
2,4-Dinitrotoluene	CT,NY,NH
2,6-Dinitrotoluene	CT,NY,NH
Di-n-octylphthalate	CT,NY,NH
1,2-Diphenylhydrazine (as Azobenzene)	NY,NH
Fluoranthene	CT,NY,NH
Fluorene	NY,NH
Hexachlorobenzene	CT,NY,NH
Hexachlorobutadiene	CT,NY,NH
Hexachloroethane	CT,NY,NH
Indeno(1,2,3-cd)pyrene	CT,NY,NH
Isophorone	CT,NY,NH
2-Methylnaphthalene	CT,NY,NH
2-Methylphenol	CT,NY,NH
3/4-Methylphenol	CT,NY,NH
Naphthalene	CT,NY,NH



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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
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SW-846 8270D in Soil

Nitrobenzene	CT,NY,NH
2-Nitrophenol	CT,NY,NH
4-Nitrophenol	CT,NY,NH
Pentachlorophenol	CT,NY,NH
Phenanthrene	CT,NY,NH
Phenol	CT,NY,NH
Pyrene	CT,NY,NH
1,2,4-Trichlorobenzene	CT,NY,NH
2,4,5-Trichlorophenol	CT,NY,NH
2,4,6-Trichlorophenol	CT,NY,NH

SW-846 9014 in Soil

Cyanide	NY,CT,NC,ME,NH,VA,NJ
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The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2016
MA	Massachusetts DEP	M-MA100	06/30/2016
CT	Connecticut Department of Public Health	PH-0567	09/30/2015
NY	New York State Department of Health	10899 NELAP	04/1/2016
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2016
RI	Rhode Island Department of Health	LAO00112	12/30/2015
NC	North Carolina Div. of Water Quality	652	12/31/2015
NJ	New Jersey DEP	MA007 NELAP	09/30/2015
FL	Florida Department of Health	E871027 NELAP	06/30/2016
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2016
WA	State of Washington Department of Ecology	C2065	02/23/2016
ME	State of Maine	2011028	06/9/2017
VA	Commonwealth of Virginia	460217	12/14/2015
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2015



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Email: info@contestlabs.com
www.contestlabs.com

15G1139

Rev 04.05.12

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 2

Company Name: TEC
Address: 145C Suffolk St
Lowell MA 01854
Attention: Jamie Stapleton
Project Location: WZTA
Sampled By: B. Burn / C. Zagrelli

Project Proposal Provided? (for billing purposes)
○ Yes _____
proposal date _____

Project # 185540
Client PO# 73193
DATA DELIVERY (check all that apply)
○ FAX EMAIL WEBSITE
Fax #

Con-Test Lab ID (laboratory, site, unit)	Client Sample ID / Description	Collection						Analysis Requested					
		Beginning Date/Time	Ending Date/Time	Composite	Grab	Media	Sample Type	Method	Sample Type	Method	Sample Type	Method	Sample Type
01	Nolo-SP1-1	7/23/15 1027		X	S	M	X	X	X	X	X	X	X
02	Nolo-SP1-2		1055	X	S	M	X	X	X	X	X	X	X
03	Nolo-SP1-3	1110		X	S	M	X	X	X	X	X	X	X
04	Nolo-SP1-4	1130		X	S	M	X	X	X	X	X	X	X
05	Nolo-SP1-5	1145		X	S	M	X	X	X	X	X	X	X
06	Nolo-SP1-6	1300		X	S	M	X	X	X	X	X	X	X
07	Nolo-SP1-7	1315		X	S	M	X	X	X	X	X	X	X
08	Nolo-SP1-8	1345		X	S	M	X	X	X	X	X	X	X
09	Nolo-SP1-9	1405		X	S	M	X	X	X	X	X	X	X
10	Nolo-SP2-1	1450		X	S	M	X	X	X	X	X	X	X

Comments:

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:
H = High; M = Medium; L = Low; C = Clean; U = Unknown
DW = drinking water
A = air
S = soil/solid
SL = sludge
O = other

Turnaround Time	Detection Limit Requirements	Is your project MCP or RCP?
7-Day	Massachusetts: S-Hour/24hr-3	<input checked="" type="radio"/> MCP Form Required
10-Day		<input type="radio"/> RCP Form Required
Other State		<input type="radio"/> MA State DW Form Required
RUSH [†]	Connecticut: _____	
24-Hr	146-Hr	
72-Hr	144-Hr	
Date/Time:	Require lab approval	Other: _____

TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.
PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

Table of Contents
Dissolved Metals
○ Field Filtered
○ Lab to Filter
***Container Code:
A=Amber glass
G=glass
P=plastic
ST=sterile
V=vial
S=summa can
T=tetra bag
O=Other

*Preservation
I=Ice
H=HCl
M=Methanol
N=Nitric Acid
S=Sulfuric Acid
B=Sodium bisulfate
X=Na hydroxide
T=Na thiosulfate
O=Other

*Matrix Code:
GW=groundwater
WW=wastewater
DW=dwelling water
A=air
S=soil/solid
SL=sludge
O=other

WBE/DBE Certified



**CHAIN OF CUSTODY RECORD**

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15G1139

Rev 04/05/12

39 Spruce Street
East Longmeadow, MA 01028

Page 2 of 2

Company Name:

Address:

Attention:

Project Location:

Sampled By:

Project Proposal Provided? (for billing purposes)

proposal date

See pg 1 of f2

Project #

Client PO#

DATA DELIVERY (check all that apply)

FAX #

EMAIL

WEBSITE

See pg 1 of f2

Format

PDF

EXCEL

GIS

OTHER

"Enhanced Data Package"

Collection

Baseline

Sampling Date

Testing Date

Composite

Grab

Soil

Conc. Date

Matrix

Code

Grab

Soil

Conc.

Code

Con-Test Lab ID	Client Sample ID / Description	Date	Time	Collection	Baseline	Sampling Date	Testing Date	Composite	Grab	Matrix	Code	Date	Conc. Date	Code
11	W06-SP2-2	7/23/15	1500			X	S	M	X	X	X	X	X	X
12	W06-SP2-3		1515		X	S	M	X	X	X	X	X	X	X
13	W06-SP3-1		1535		X	S	M	X	X	X	X	X	X	X
14	W06-SP3-2		1545		X	S	M	X	X	X	X	X	X	X

Con-Test Lab ID	Client Sample ID / Description	Date	Time	Collection	Baseline	Sampling Date	Testing Date	Composite	Grab	Matrix	Code	Date	Conc. Date	Code
11	W06-SP2-2	7/23/15	1500			X	S	M	X	X	X	X	X	X
12	W06-SP2-3		1515		X	S	M	X	X	X	X	X	X	X
13	W06-SP3-1		1535		X	S	M	X	X	X	X	X	X	X
14	W06-SP3-2		1545		X	S	M	X	X	X	X	X	X	X

Con-Test Lab ID	Client Sample ID / Description	Date	Time	Collection	Baseline	Sampling Date	Testing Date	Composite	Grab	Matrix	Code	Date	Conc. Date	Code
11	W06-SP2-2	7/23/15	1500			X	S	M	X	X	X	X	X	X
12	W06-SP2-3		1515		X	S	M	X	X	X	X	X	X	X
13	W06-SP3-1		1535		X	S	M	X	X	X	X	X	X	X
14	W06-SP3-2		1545		X	S	M	X	X	X	X	X	X	X

Turnaround time starts at 9:00 A.M. The day after sample receipt unless there are questions on your chain. If this form is not filled out completely or incorrect, turnaround time will not start until all questions are answered by our client. Please be careful not to contaminate this document.

Comments:

Inquired by: (signature)

Received by: (signature)

ANALYTICAL LABORATORY

of Containers

**Preservation

Field Filtered

Lab to Filter

***Cont. Code:

A=Amber glass

G=Glass

P=plastic

ST=sterile

V=vial

S=Summa can

T=tedlar bag

O=Other

See pg 1 of f2

of Containers

**Preservation

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Page 1 of 2

**Sample Receipt Checklist**CLIENT NAME: TRCRECEIVED BY: RJFDATE: 7/23/151) Was the chain(s) of custody relinquished and signed? Yes No No CoC Included

2) Does the chain agree with the samples?

If not, explain:

3) Are all the samples in good condition?

If not, explain:

4) How were the samples received:

On Ice Direct from Sampling Ambient In Cooler(s)

Were the samples received in Temperature Compliance of (2-6°C)?

N/A

Temperature °C by Temp blank _____

Temperature °C by Temp gun 5.1

5) Are there Dissolved samples for the lab to filter?

Who was notified _____ Date _____ Time _____

6) Are there any RU8H or SHORT HOLDING TIME samples?

Who was notified LURE Date _____ Time _____Permission to subcontract samples? Yes No

7) Location where samples are stored:

(Walk-in clients only) if not already approved
Client Signature: _____8) Do all samples have the proper Acid pH: Yes No N/A _____9) Do all samples have the proper Base pH: Yes No N/A _____10) Was the PC notified of any discrepancies with the CoC vs the samples: Yes No N/A _____**Containers received at Con-Test**

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	<u>38</u>
500 mL Amber		4 oz amber/clear jar	<u>14</u>
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Plastic Bag / Ziploc	
500 mL Plastic		SOC Kit	
250 mL plastic		Non-ConTest Container	
40 mL Vial - type listed below	<u>42</u>	Perchlorate Kit	
Colisure / bacteria bottle		Flashpoint bottle	
Dissolved Oxygen bottle		Other glass jar	
Encore	<u>14</u>	Other	

Laboratory Comments:

40 mL vials: # HCl _____	# Methanol _____	Time and Date Frozen:
Doc# 277	# Bisulfate _____	<u>7/23/15 17MS</u>
Rev. 4 August 2013	# Thiosulfate _____	Unpreserved

Page 2 of 2

Login Sample Receipt Checklist

(Rejection Criteria Listing - Using Sample Acceptance Policy)
Any False statement will be brought to the attention of Client

<u>Question</u>	<u>Answer (True/False)</u>	<u>Comment</u>
	T/F/NA	
1) The cooler's custody seal, if present, is intact.	T	
2) The cooler or samples do not appear to have been compromised or tampered with.	T	
3) Samples were received on ice.	T	
4) Cooler Temperature is acceptable.	T	
5) Cooler Temperature is recorded.	T	
6) COC is filled out in ink and legible.	T	
7) COC is filled out with all pertinent information.	T	
8) Field Sampler's name present on COC.	T	
9) There are no discrepancies between the sample IDs on the container and the COC.	T	
10) Samples are received within Holding Time.	T	
11) Sample containers have legible labels.	T	
12) Containers are not broken or leaking.	T	
13) Air Cassettes are not broken/open.	NA	
14) Sample collection date/times are provided.	T	
15) Appropriate sample containers are used.	T	
16) Proper collection media used.	T	
17) No headspace sample bottles are completely filled.	T	
18) There is sufficient volume for all requested analyses, including any requested MS/MSDs.	T	
19) Trip blanks provided if applicable.	NA	
20) VOA sample vials do not have head space or bubble is <6mm (1/4") in diameter.	T	
21) Samples do not require splitting or compositing.	T	

Who notified of False statements?

Date/Time:

Doc #277 Rev. 4 August 2013

Log-In Technician Initials:

Date/Time:

RLF 7/23/15 1745

MADEP MCP Analytical Method Report Certification Form

Laboratory Name:	Con-Test Analytical Laboratory	Project #:	15G1139
Project Location:	WRTA	RTN:	

This Form provides certifications for the following data set: [list Laboratory Sample ID Number(s)]

15G1139-01 thru 15G1139-14

Matrices: Soil

CAM Protocol (check all that below)

8260 VOC CAM II A (X)	7470/7471 Hg CAM IIIB (X)	MassDEP VPH CAM IV A ()	8081 Pesticides CAM V B (X)	7196 Hex Cr CAM VI B ()	MassDEP APH CAM IX A ()
8270 SVOC CAM II B (X)	7010 Metals CAM III C ()	MassDEP EPH CAM IV A ()	8151 Herbicides CAM V C (X)	8330 Explosives CAM VIII A ()	TO-15 VOC CAM IX B ()
6010 Metals CAM III A (X)	6020 Metals CAM III D ()	8082 PCB CAM V A (X)	9014 Total Cyanide/PAC CAM VI A (X)	6860 Perchlorate CAM VIII B ()	

Affirmative response to Questions A through F is required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No ¹
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No ¹
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No ¹
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No ¹
E a	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	<input type="checkbox"/> Yes <input type="checkbox"/> No ¹
E b	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	<input type="checkbox"/> Yes <input type="checkbox"/> No ¹
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all No responses to Questions A through E)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No ¹

A response to questions G, H and I below is required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ¹
---	---	--

Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.

H	Were all QC performance standards specified in the CAM protocol(s) achieved?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ¹
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ¹

¹ All Negative responses must be addressed in an attached Environmental Laboratory case narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature:

Position: Manager, Laboratory Reporting

Printed Name: Johanna K. Harrington

Date: 08/04/15

APPENDIX C

DISPOSAL DOCUMENTATION

WRTA
JDC14030
WM-Turnkey
8/28-31/2015

DATE	TICKET	TONS
8/28/2015	1025312	31.98
8/28/2015	1025313	32.58
8/28/2015	1025314	34.86
8/28/2015	1025315	28.91
8/28/2015	1025327	34.66
	Subtotal	162.99

DATE	TICKET	TONS
8/31/2015	1025607	28.76
8/31/2015	1025615	30.41
8/31/2015	1025616	31.10
8/31/2015	1025620	26.16
8/31/2015	1025621	34.22
8/31/2015	1025649	31.95
8/31/2015	1025737	30.97
8/31/2015	1025760	32.35
8/31/2015	1025772	27.32
8/31/2015	1025777	33.71
8/31/2015	1025783	31.87
8/31/2015	1025794	31.08
	Subtotal	369.90

Total **532.89**



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

DISP

493264 N.H

BILL OF LADING Transport Log Sheet

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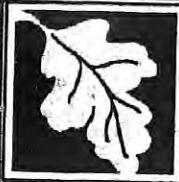
Release Tracking Number

_____ - _____

I. LOAD INFORMATION:		Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Load 1:					
Date of Shipment:	Time of Shipment:	<input type="checkbox"/> AM <input type="checkbox"/> PM		Date of Receipt:	Time of Receipt:
8/29/15				8/29/15	<input type="checkbox"/> AM <input type="checkbox"/> PM
Truck/Tractor Registration:	Trailer Registration (if any):	90911		Load Size (cu. yds./tons):	
Load 2:				Receiving Facility/Temporary Storage Representative:	
Date of Shipment:	Time of Shipment:	<input type="checkbox"/> AM <input type="checkbox"/> PM		Date of Receipt:	Time of Receipt:
8/29/15				8/29/15	<input type="checkbox"/> AM <input type="checkbox"/> PM
Truck/Tractor Registration:	Trailer Registration (if any):	90911		Load Size (cu. yds./tons):	
Load 3:				Receiving Facility/Temporary Storage Representative:	
Date of Shipment:	Time of Shipment:	<input type="checkbox"/> AM <input type="checkbox"/> PM		Date of Receipt:	Time of Receipt:
					<input type="checkbox"/> AM <input type="checkbox"/> PM
Truck/Tractor Registration:	Trailer Registration (if any):			Load Size (cu. yds./tons):	
Load 4:				Receiving Facility/Temporary Storage Representative:	
Date of Shipment:	Time of Shipment:	<input type="checkbox"/> AM <input type="checkbox"/> PM		Date of Receipt:	Time of Receipt:
					<input type="checkbox"/> AM <input type="checkbox"/> PM
Truck/Tractor Registration:	Trailer Registration (if any):			Load Size (cu. yds./tons):	
Load 5:				Receiving Facility/Temporary Storage Representative:	
Date of Shipment:	Time of Shipment:	<input type="checkbox"/> AM <input type="checkbox"/> PM		Date of Receipt:	Time of Receipt:
					<input type="checkbox"/> AM <input type="checkbox"/> PM
Truck/Tractor Registration:	Trailer Registration (if any):			Load Size (cu. yds./tons):	
Load 6:				Receiving Facility/Temporary Storage Representative:	
Date of Shipment:	Time of Shipment:	<input type="checkbox"/> AM <input type="checkbox"/> PM		Date of Receipt:	Time of Receipt:
					<input type="checkbox"/> AM <input type="checkbox"/> PM
Truck/Tractor Registration:	Trailer Registration (if any):			Load Size (cu. yds./tons):	
J. LOG SHEET VOLUME INFORMATION:		Total Volume Recorded This Page (cu. yds./tons)			
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		Total Carried Forward and This Page (cu. yds./tons):			

Rd BARON #8

493264 NH



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Bureau of Waste Site Cleanup

BILL OF LADING Transport Log Sheet

DISP

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Page

OF

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1:

Date of Shipment:

8-28-15

Time of Shipment:

AM PM

Truck/Tractor Registration:

88726

Trailer Registration (if any):

11823

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

8 28 15

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 2: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 3: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

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Release Tracking Number

_____ - _____

DISP

I. LOAD INFORMATION:		Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Load 1:					
Date of Shipment:	8/28/15	Time of Shipment:	<input type="checkbox"/> AM <input type="checkbox"/> PM	Date of Receipt:	8/28/15
Truck/Tractor Registration:	53590	Trailer Registration (if any):	Load Size (cu. yds./tons):		
Load 2:		Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Date of Shipment:	8/28/15	Time of Shipment:	<input type="checkbox"/> AM <input type="checkbox"/> PM	Date of Receipt:	8/28/15
Truck/Tractor Registration:	53590	Trailer Registration (if any):	Load Size (cu. yds./tons):		
Load 3:		Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Date of Shipment:	8/28/15	Time of Shipment:	<input type="checkbox"/> AM <input type="checkbox"/> PM	Date of Receipt:	8/28/15
Truck/Tractor Registration:	53590	Trailer Registration (if any):	Load Size (cu. yds./tons):		
Load 4:		Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Date of Shipment:	8/28/15	Time of Shipment:	<input type="checkbox"/> AM <input type="checkbox"/> PM	Date of Receipt:	8/28/15
Truck/Tractor Registration:	53590	Trailer Registration (if any):	Load Size (cu. yds./tons):		
Load 5:		Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Date of Shipment:	8/28/15	Time of Shipment:	<input type="checkbox"/> AM <input type="checkbox"/> PM	Date of Receipt:	8/28/15
Truck/Tractor Registration:	53590	Trailer Registration (if any):	Load Size (cu. yds./tons):		
Load 6:		Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Date of Shipment:	8/28/15	Time of Shipment:	<input type="checkbox"/> AM <input type="checkbox"/> PM	Date of Receipt:	8/28/15
Truck/Tractor Registration:	53590	Trailer Registration (if any):	Load Size (cu. yds./tons):		
J. LOG SHEET VOLUME INFORMATION:		Total Volume Recorded This Page (cu. yds./tons)			
		Total Carried Forward (cu. yds./tons):			
		Total Carried Forward and This Page (cu. yds./tons):			

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Bureau of Waste Site Cleanup

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DSP

Release Tracking Number

Page _____ OF _____

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1:

Date of Shipment:

8-28-15

Time of Shipment:

6:40

AM PM

Truck/Tractor Registration:

94698

90435

Receiving Facility/Temporary Storage Representative:

John Costa

Date of Receipt:

8-28-15

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 2: Signature of Transporter Representative:

Date of Shipment:

8-28-15

Time of Shipment:

AM PM

Truck/Tractor Registration:

94698

90435

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 3: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

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J. LOG SHEET VOLUME INFORMATION:

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Total Carried Forward and This Page (cu. yds./tons):



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Bureau of Waste Site Cleanup

BILL OF LADING Transport Log Sheet

Disp Release Tracking Number
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I. LOAD INFORMATION:

Load 1:

Date of Shipment:

8-28-15

Truck/Tractor Registration:

84029

Signature of Transporter Representative:

Cy St

Time of Shipment:

AM PM

Receiving Facility/Temporary Storage Representative:

EMM

Date of Receipt:

8-28-15

Time of Receipt:

AM PM

Trailer Registration (if any):

82275

Load Size (cu. yds./tons):

Load 2:

Signature of Transporter Representative:

Cy St

Date of Shipment:

8-28-15

Time of Shipment:

AM PM

Receiving Facility/Temporary Storage Representative:

Truck/Tractor Registration:

84029

Trailer Registration (if any):

82275

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 3:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Receiving Facility/Temporary Storage Representative:

Truck/Tractor Registration:

Trailer Registration (if any):

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 4:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Receiving Facility/Temporary Storage Representative:

Truck/Tractor Registration:

Trailer Registration (if any):

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 5:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Receiving Facility/Temporary Storage Representative:

Truck/Tractor Registration:

Trailer Registration (if any):

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 6:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Receiving Facility/Temporary Storage Representative:

Truck/Tractor Registration:

Trailer Registration (if any):

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons)

Total Carried Forward (cu. yds./tons):

Total Carried Forward and This Page (cu. yds./tons):

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**Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup**

BILL OF LADING Transport Log Sheet

DIS

Release Tracking Number

Q-19520

Page _____ OF _____

I. LOAD INFORMATION:**Load 1:**

Date of Shipment:

8/31/15

Signature of Transporter Representative:

[Signature]

Receiving Facility/Temporary Storage Representative:

[Signature]

Time of Shipment:

6

 AM PM

Date of Receipt:

8/31/15

Time of Receipt:

 AM PM

Truck/Tractor Registration:

87732

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 2:

Signature of Transporter Representative:

[Signature]

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

8/31/15

Time of Shipment:

 AM PM

Date of Receipt:

Time of Receipt:

 AM PM

Truck/Tractor Registration:

87732

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 3:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

 AM PM

Date of Receipt:

Time of Receipt:

 AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 4:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

 AM PM

Date of Receipt:

Time of Receipt:

 AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 5:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

 AM PM

Date of Receipt:

Time of Receipt:

 AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 6:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

 AM PM

Date of Receipt:

Time of Receipt:

 AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

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**Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup**

BILL OF LADING Transport Log Sheet

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DSR

Release Tracking Number

Q - 19520

TM 60

I. LOAD INFORMATION:		Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Load 1:		<i>M. Oliver</i>		<i>P. Bain</i>	
Date of Shipment:		Time of Shipment:		Date of Receipt:	
<i>8/31/15</i>				<i>8/31/15</i>	
Truck/Tractor Registration:		Trailer Registration (if any):		Time of Receipt:	
<i>48448</i>		<i>90911</i>		<i>8:44</i>	
				<input checked="" type="checkbox"/> AM <input type="checkbox"/> PM	
				<input type="checkbox"/> AM <input checked="" type="checkbox"/> PM	
				Load Size (cu. yds./tons):	
Load 2:		Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Date of Shipment:		<i>M. Oliver</i>			
<i>8/31/15</i>		Time of Shipment:		Date of Receipt:	
Truck/Tractor Registration:		Trailer Registration (if any):		Time of Receipt:	
<i>48448</i>		<i>90911</i>		<input type="checkbox"/> AM <input checked="" type="checkbox"/> PM	
				<input type="checkbox"/> AM <input checked="" type="checkbox"/> PM	
				Load Size (cu. yds./tons):	
Load 3:		Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Date of Shipment:		Time of Shipment:		Date of Receipt:	
Truck/Tractor Registration:		Trailer Registration (if any):		Time of Receipt:	
				<input type="checkbox"/> AM <input checked="" type="checkbox"/> PM	
				Load Size (cu. yds./tons):	
Load 4:		Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Date of Shipment:		Time of Shipment:		Date of Receipt:	
Truck/Tractor Registration:		Trailer Registration (if any):		Time of Receipt:	
				<input type="checkbox"/> AM <input checked="" type="checkbox"/> PM	
				Load Size (cu. yds./tons):	
Load 5:		Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Date of Shipment:		Time of Shipment:		Date of Receipt:	
Truck/Tractor Registration:		Trailer Registration (if any):		Time of Receipt:	
				<input type="checkbox"/> AM <input checked="" type="checkbox"/> PM	
				Load Size (cu. yds./tons):	
Load 6:		Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Date of Shipment:		Time of Shipment:		Date of Receipt:	
Truck/Tractor Registration:		Trailer Registration (if any):		Time of Receipt:	
				<input type="checkbox"/> AM <input checked="" type="checkbox"/> PM	
				Load Size (cu. yds./tons):	
J. LOG SHEET VOLUME INFORMATION:		Total Volume Recorded This Page (cu. yds./tons)			
		Total Carried Forward (cu. yds./tons):			
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Austin B

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**Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup**

BILL OF LADING Transport Log Sheet

DSP.

Release Tracking Number

Q - 19520

Page _____ OF _____

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1:

Date of Shipment:

8-31-15

Time of Shipment:

6:30

AM PM

Truck/Tractor Registration:

94698

90425

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

P. Baum

Date of Receipt:

8/31/15

Time of Receipt:

8:45

AM PM

Load Size (cu. yds./tons):

Load 2: Signature of Transporter Representative:

Date of Shipment:

8-31-15

Time of Shipment:

AM PM

Truck/Tractor Registration:

94698

90425

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 3: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

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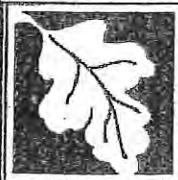
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Total Carried Forward and This Page (cu. yds./tons):

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Profile Approval #: 493264 NH



**Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup**

BILL OF LADING Transport Log Sheet

Disc.

Release Tracking Number

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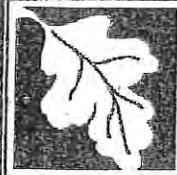
Page _____ OF _____

I. LOAD INFORMATION:		Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Load 1:		<i>Gy S</i>		<i>P. Bain</i>	
Date of Shipment:		Time of Shipment:		Date of Receipt:	
8-31-15		<input type="checkbox"/> AM <input type="checkbox"/> PM		8-31-15	
Truck/Tractor Registration:		Trailer Registration (if any):		Load Size (cu. yds./tons):	
84029		82275			
Load 2:		Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
<i>Gy S</i>					
Date of Shipment:		Time of Shipment:		Date of Receipt:	
8-31-15		<input type="checkbox"/> AM <input type="checkbox"/> PM		8-31-15	
Truck/Tractor Registration:		Trailer Registration (if any):		Load Size (cu. yds./tons):	
84029		82275			
Load 3:		Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Date of Shipment:		Time of Shipment:		Date of Receipt:	
		<input type="checkbox"/> AM <input type="checkbox"/> PM			
Truck/Tractor Registration:		Trailer Registration (if any):		Load Size (cu. yds./tons):	
Load 4:		Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Date of Shipment:		Time of Shipment:		Date of Receipt:	
		<input type="checkbox"/> AM <input type="checkbox"/> PM			
Truck/Tractor Registration:		Trailer Registration (if any):		Load Size (cu. yds./tons):	
Load 5:		Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Date of Shipment:		Time of Shipment:		Date of Receipt:	
		<input type="checkbox"/> AM <input type="checkbox"/> PM			
Truck/Tractor Registration:		Trailer Registration (if any):		Load Size (cu. yds./tons):	
Load 6:		Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Date of Shipment:		Time of Shipment:		Date of Receipt:	
		<input type="checkbox"/> AM <input type="checkbox"/> PM			
Truck/Tractor Registration:		Trailer Registration (if any):		Load Size (cu. yds./tons):	

J. LOG SHEET VOLUME INFORMATION: Total Volume Recorded This Page (cu. yds./tons)
Total Carried Forward (cu. yds./tons):
Total Carried Forward and This Page (cu. yds./tons):

Rod Barton

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Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BILL OF LADING Transport Log Sheet

RSP
Release Tracking Number

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I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1:

Date of Shipment:

Time of Shipment:

8-31-15

AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

88724

11823

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

8/31/15

Time of Receipt:

AM PM

Load 2: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 3: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

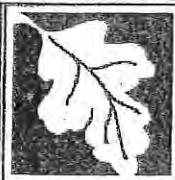
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Rod Baran 89

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Bureau of Waste Site Cleanup**

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DSP

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I. LOAD INFORMATION:		Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Load 1:					
Date of Shipment:	Time of Shipment:	<i>R. Baran</i>		<i>R. Baran</i>	
8/31/15	7:30 AM				
Truck/Traffic Registration:	Trailer Registration (if any):				
8515	2146334 ME				
Load 2:		Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Date of Shipment:	Time of Shipment:				
		<input type="checkbox"/> AM <input type="checkbox"/> PM		<input type="checkbox"/> AM <input type="checkbox"/> PM	
Truck/Traffic Registration:	Trailer Registration (if any):				
Load 3:		Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Date of Shipment:	Time of Shipment:				
		<input type="checkbox"/> AM <input type="checkbox"/> PM		<input type="checkbox"/> AM <input type="checkbox"/> PM	
Truck/Traffic Registration:	Trailer Registration (if any):				
Load 4:		Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Date of Shipment:	Time of Shipment:				
		<input type="checkbox"/> AM <input type="checkbox"/> PM		<input type="checkbox"/> AM <input type="checkbox"/> PM	
Truck/Traffic Registration:	Trailer Registration (if any):				
Load 5:		Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Date of Shipment:	Time of Shipment:				
		<input type="checkbox"/> AM <input type="checkbox"/> PM		<input type="checkbox"/> AM <input type="checkbox"/> PM	
Truck/Traffic Registration:	Trailer Registration (if any):				
Load 6:		Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Date of Shipment:	Time of Shipment:				
		<input type="checkbox"/> AM <input type="checkbox"/> PM		<input type="checkbox"/> AM <input type="checkbox"/> PM	
Truck/Traffic Registration:	Trailer Registration (if any):				

J. LOG SHEET VOLUME INFORMATION:

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**Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup**

BILL OF LADING Transport Log Sheet

D42

Release Tracking Number

Q 19520

Page _____ OF _____

I. LOAD INFORMATION:		Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Load 1:	Date of Shipment:	Time of Shipment:		Date of Receipt:	
8/31/15	Truck/Tractor Registration:	6	<input checked="" type="checkbox"/> AM <input type="checkbox"/> PM	8/31/15	<input type="checkbox"/> AM <input type="checkbox"/> PM
	87732	Trailer Registration (if any):		Load Size (cu. yds./tons):	
Load 2:	Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:		
Date of Shipment:	Time of Shipment:		Date of Receipt:		Time of Receipt:
8/31/15	Truck/Tractor Registration:	87732	<input type="checkbox"/> AM <input type="checkbox"/> PM	8/31/15	<input type="checkbox"/> AM <input type="checkbox"/> PM
	Trailer Registration (if any):		Load Size (cu. yds./tons):		
Load 3:	Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:		
Date of Shipment:	Time of Shipment:		Date of Receipt:		Time of Receipt:
Truck/Tractor Registration:	Trailer Registration (if any):		Load Size (cu. yds./tons):		
Load 4:	Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:		
Date of Shipment:	Time of Shipment:		Date of Receipt:		Time of Receipt:
Truck/Tractor Registration:	Trailer Registration (if any):		Load Size (cu. yds./tons):		
Load 5:	Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:		
Date of Shipment:	Time of Shipment:		Date of Receipt:		Time of Receipt:
Truck/Tractor Registration:	Trailer Registration (if any):		Load Size (cu. yds./tons):		
Load 6:	Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:		
Date of Shipment:	Time of Shipment:		Date of Receipt:		Time of Receipt:
Truck/Tractor Registration:	Trailer Registration (if any):		Load Size (cu. yds./tons):		

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Bureau of Waste Site Cleanup**

TW 60

BILL OF LADING Transport Log Sheet

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OF _____

DSR.

Release Tracking Number

Q - 19520

E. LOAD INFORMATION: Signature of Transporter Representative:

Load 1:

Date of Shipment:

8/31/15

Truck/Tractor Registration:

48448

Signature of Transporter Representative:

M. Olm

Time of Shipment:

AM PM

Trailer Registration (if any):

90911

Receiving Facility/Temporary Storage Representative:

P. Bain

Date of Receipt:

8/31/15

Time of Receipt:

8:44 AM PM

Load Size (cu. yds./tons):

Receiving Facility/Temporary Storage Representative:

P. Bain

Date of Receipt:

8/31/15

Time of Receipt:

1:19 AM PM

Load Size (cu. yds./tons):

Load 2: Signature of Transporter Representative:

Date of Shipment:

8/31/15

Time of Shipment:

AM PM

Truck/Tractor Registration:

48448

Trailer Registration (if any):

90911

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

8/31/15

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

8/31/15

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

8/31/15

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

8/31/15

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

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Bureau of Waste Site Cleanup**

BILL OF LADING Transport Log Sheet

Disc.

Release Tracking Number

Q - 19520

Page _____ OF _____

I. LOAD INFORMATION:		Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:					
Load 1:									
Date of Shipment:	8-31-15	Time of Shipment:	<input type="checkbox"/> AM <input type="checkbox"/> PM		Date of Receipt:	8/31/15	Time of Receipt:	<input checked="" type="checkbox"/> AM <input type="checkbox"/> PM	
Truck/Tractor Registration:	84029	Trailer Registration (if any):	82275		Load Size (cu. yds./tons):				
Load 2:		Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:					
Date of Shipment:	8-31-15	Time of Shipment:	<input type="checkbox"/> AM <input type="checkbox"/> PM		Date of Receipt:	8/31/15	Time of Receipt:	<input checked="" type="checkbox"/> AM <input type="checkbox"/> PM	
Truck/Tractor Registration:	84029	Trailer Registration (if any):	82275		Load Size (cu. yds./tons):				
Load 3:		Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:					
Date of Shipment:		Time of Shipment:	<input type="checkbox"/> AM <input type="checkbox"/> PM		Date of Receipt:		Time of Receipt:	<input type="checkbox"/> AM <input type="checkbox"/> PM	
Truck/Tractor Registration:		Trailer Registration (if any):			Load Size (cu. yds./tons):				
Load 4:		Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:					
Date of Shipment:		Time of Shipment:	<input type="checkbox"/> AM <input type="checkbox"/> PM		Date of Receipt:		Time of Receipt:	<input type="checkbox"/> AM <input type="checkbox"/> PM	
Truck/Tractor Registration:		Trailer Registration (if any):			Load Size (cu. yds./tons):				
Load 5:		Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:					
Date of Shipment:		Time of Shipment:	<input type="checkbox"/> AM <input type="checkbox"/> PM		Date of Receipt:		Time of Receipt:	<input type="checkbox"/> AM <input type="checkbox"/> PM	
Truck/Tractor Registration:		Trailer Registration (if any):			Load Size (cu. yds./tons):				
Load 6:		Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:					
Date of Shipment:		Time of Shipment:	<input type="checkbox"/> AM <input type="checkbox"/> PM		Date of Receipt:		Time of Receipt:	<input type="checkbox"/> AM <input type="checkbox"/> PM	
Truck/Tractor Registration:		Trailer Registration (if any):			Load Size (cu. yds./tons):				

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Total Carried Forward and This Page (cu. yds./tons):

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Bureau of Waste Site Cleanup**

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DSS.

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Q - 19520

I. LOAD INFORMATION:		Signature of Transporter Representative: <i>John Costo</i>		Receiving Facility/Temporary Storage Representative: <i>R. Baum</i>	
Load 1:	Date of Shipment:	Time of Shipment:	<input checked="" type="checkbox"/> AM <input type="checkbox"/> PM	Date of Receipt:	Time of Receipt:
8-31-15		6:30	<input checked="" type="checkbox"/> AM <input type="checkbox"/> PM	8/31/15	8:45 <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM
Truck/Tractor Registration:	Trailer Registration (if any):	94698	90435	Load Size (cu. yds./tons):	
Load 2:	Signature of Transporter Representative: <i>John Costo</i>	Receiving Facility/Temporary Storage Representative: <i>R. Baum</i>			
Date of Shipment:	Time of Shipment:	<input checked="" type="checkbox"/> AM <input type="checkbox"/> PM	Date of Receipt:	Time of Receipt:	
8-31-15		<input checked="" type="checkbox"/> AM <input type="checkbox"/> PM	8/31/15	1:44 <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM	
Truck/Tractor Registration:	Trailer Registration (if any):	94698	90435	Load Size (cu. yds./tons):	
Load 3:	Signature of Transporter Representative:	Receiving Facility/Temporary Storage Representative:			
Date of Shipment:	Time of Shipment:	<input type="checkbox"/> AM <input type="checkbox"/> PM	Date of Receipt:	Time of Receipt:	
Truck/Tractor Registration:	Trailer Registration (if any):			<input type="checkbox"/> AM <input type="checkbox"/> PM	
Load 4:	Signature of Transporter Representative:	Receiving Facility/Temporary Storage Representative:			
Date of Shipment:	Time of Shipment:	<input type="checkbox"/> AM <input type="checkbox"/> PM	Date of Receipt:	Time of Receipt:	
Truck/Tractor Registration:	Trailer Registration (if any):			<input type="checkbox"/> AM <input type="checkbox"/> PM	
Load 5:	Signature of Transporter Representative:	Receiving Facility/Temporary Storage Representative:			
Date of Shipment:	Time of Shipment:	<input type="checkbox"/> AM <input type="checkbox"/> PM	Date of Receipt:	Time of Receipt:	
Truck/Tractor Registration:	Trailer Registration (if any):			<input type="checkbox"/> AM <input type="checkbox"/> PM	
Load 6:	Signature of Transporter Representative:	Receiving Facility/Temporary Storage Representative:			
Date of Shipment:	Time of Shipment:	<input type="checkbox"/> AM <input type="checkbox"/> PM	Date of Receipt:	Time of Receipt:	
Truck/Tractor Registration:	Trailer Registration (if any):			<input type="checkbox"/> AM <input type="checkbox"/> PM	

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons)

Total Carried Forward (cu. yds./tons):

Total Carried Forward and This Page (cu. yds./tons):

Red Boston 8

Profile Approval #: 493264 NH



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BILL OF LADING Transport Log Sheet

DSP.

Release Tracking Number

Q - 19520

Page

OF

I. LOAD INFORMATION:

Load 1: *R. H.* Signature of Transporter Representative:

Date of Shipment:

8-31-15

Time of Shipment:

AM PM

Truck/Tractor Registration:

88726

Trailer Registration (if any):

11823

Receiving Facility/Temporary Storage Representative:

T. Baen

Date of Receipt:

8/31/15

Time of Receipt:

8:59 AM PM

Load 2: *R. H.* Signature of Transporter Representative:

Date of Shipment:

8-31-15

Time of Shipment:

AM PM

Truck/Tractor Registration:

88726

Trailer Registration (if any):

11823

Receiving Facility/Temporary Storage Representative:

T. Baen

Date of Receipt:

8/31/15

Time of Receipt:

1:54 AM PM

Load 3: *R. H.* Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 4: *R. H.* Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 5: *R. H.* Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 6: *R. H.* Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons)

Total Carried Forward (cu. yds./tons):

Total Carried Forward and This Page (cu. yds./tons):

Rod Boston 89

Profile Approval #: 493264 NH



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BILL OF LADING Transport Log Sheet

DISP.

Release Tracking Number

Q - 19520

Page _____ OF _____

I. LOAD INFORMATION:		Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Load 1:		<i>R. Boston</i>		<i>R. Boston</i>	
Date of Shipment:	Time of Shipment:	AM <input checked="" type="checkbox"/> PM <input type="checkbox"/>		Date of Receipt:	Time of Receipt:
<i>8/31/15</i>	<i>2:30</i>			<i>8/31/15</i>	<i>9:45</i> AM <input type="checkbox"/> PM <input checked="" type="checkbox"/>
Truck/Tractor Registration:	Trailer Registration (if any):			Load Size (cu. yds./tons):	
<i>85157</i>	<i>2146334 ME</i>				
Load 2:		Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Date of Shipment:	Time of Shipment:	AM <input type="checkbox"/> PM <input checked="" type="checkbox"/>		Date of Receipt:	Time of Receipt:
<i>8/31/15</i>	<i>12:00</i>			<i>8/31/15</i>	<i>2:14</i> AM <input type="checkbox"/> PM <input checked="" type="checkbox"/>
Truck/Tractor Registration:	Trailer Registration (if any):			Load Size (cu. yds./tons):	
<i>F5157</i>	<i>2146334</i>				
Load 3:		Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Date of Shipment:	Time of Shipment:	AM <input type="checkbox"/> PM <input checked="" type="checkbox"/>		Date of Receipt:	Time of Receipt:
					AM <input type="checkbox"/> PM <input checked="" type="checkbox"/>
Truck/Tractor Registration:	Trailer Registration (if any):			Load Size (cu. yds./tons):	
Load 4:		Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Date of Shipment:	Time of Shipment:	AM <input type="checkbox"/> PM <input checked="" type="checkbox"/>		Date of Receipt:	Time of Receipt:
					AM <input type="checkbox"/> PM <input checked="" type="checkbox"/>
Truck/Tractor Registration:	Trailer Registration (if any):			Load Size (cu. yds./tons):	
Load 5:		Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Date of Shipment:	Time of Shipment:	AM <input type="checkbox"/> PM <input checked="" type="checkbox"/>		Date of Receipt:	Time of Receipt:
					AM <input type="checkbox"/> PM <input checked="" type="checkbox"/>
Truck/Tractor Registration:	Trailer Registration (if any):			Load Size (cu. yds./tons):	
Load 6:		Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Date of Shipment:	Time of Shipment:	AM <input type="checkbox"/> PM <input checked="" type="checkbox"/>		Date of Receipt:	Time of Receipt:
					AM <input type="checkbox"/> PM <input checked="" type="checkbox"/>
Truck/Tractor Registration:	Trailer Registration (if any):			Load Size (cu. yds./tons):	
J. LOG SHEET VOLUME INFORMATION:		Total Volume Recorded This Page (cu. yds./tons)			
				Total Carried Forward (cu. yds./tons):	
				Total Carried Forward and This Page (cu. yds./tons):	



Turnkey Landfill
30 Rochester Neck Rd
Rochester, NH, 03839
Ph: (800) 963-4776

Original
Ticket# 1025312

Customer Name JDERENZO J Derenzo Company
Ticket Date 08/28/2015
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest +
Destination
Generator NE-WORCESTERREGIONALTRANSIT W Operator Name Paula Bain

Carrier TWIN TRUCKING TWIN
Vehicle# 80 Volume
Container
Driver
Check#
Billing # 0113489
Gen EPA ID NOT REQUIRED
PO
Profile 493864NH (CONTAMINATED SOIL (DISP))

Time	Scale	Operator	Inbound	Gross	101100 lb
In 08/28/2015 09:51:2	scale 1 in eric metzler		Tare	37140	lb
Out 08/28/2015 10:19:3	scale 2 ou Paula Bain		Net	63960	lb
			Tons	31.98	

Comments:

Product	LDX	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil Met-Tons 100		31.98	Tons				MA
2 RCR-P-Regulatory C 100			%				MA
3 EVF-P-Standard Env 100			%				MA
4 LFS-LANDFILL FIXED 100			%				MA

Total Fees
Total Ticket

SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief, TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature



Turnkey Landfill
30 Rochester Neck Rd
Rochester, NH, 03839
Ph: (800) 963-4776

Original
Ticket# 1025313

Customer Name JDERENZO J Derenzo Company

Ticket Date 08/28/2015

Payment Type Credit Account

Manual Ticket#

Hauling Ticket#

Route

State Waste Code

Manifest +

Destination

Generator NE-WORCESTERREGIONALTRANSIT W Operator Name Paula Bain

Carrier RED BARON RED BARON

Vehicle# 8 Volume

Container

Driver

Check#

Billing # 0113489

Gen EPA ID NOT REQUIRED

PO

Profile 493254NH (CONTAMINATED SOIL (DISPO

Time	Scale	Operator	Inbound	Gross	100640 lb
In 08/28/2015 09:52:3	scale 1 in eric metzler			Tare	35480 lb
Out 08/28/2015 10:24:1	scale 2 ou Paula Bain			Net	65160 lb
				Tons	32.58

Comments

Product	LD%	Dty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil Mat-Tons 100		32.58	Tons				MA
2 RCR-P-Regulatory C 100		%					MA
3 EVF-P-Standard Env 100		%					MA
4 LFS-LANDFILL FIXED 100		%					MA

Total Fees
Total Ticket

SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief, TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature



Turnkey Landfill
30 Rochester Neck Rd
Rochester, NH, 03839
Ph: (800) 963-4776

Original
Ticket# 1025314

Customer Name JDRENZO J Derenzo Company
Ticket Date 08/28/2015
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest +
Destination
Generator NE-WORCESTERREGIONALTRANSIT W Operator Name Paula Bain

Carrier EASTCOAST EASTCOAST
Vehicle# 44 Volume
Container
Driver
Check#
Billing # 0113483
Gen EPA ID NOT REQUIRED
PO
Profile 493264NH (CONTAMINATED SOIL (DISPO)

Time	Scale	Operator	Inbound	Gross	106600	15
In 08/28/2015 09:53:3	scale 1 in eric metzler			Tare	36880	16
Out 08/28/2015 10:21:2	scale 2 ou Paula Bain			Net	69720	15
				Tons	34.86	

Comments:

Product	LDX	Dty	UOM	Rate	Fee	Amount	Origin
1 Cent Soil Met-Tons 100		34.86	Tons				MA
2 RCR-P-Regulatory C 100		%					MA
3 EVF-P-Standard Env 100		%					MA
4 LFS-LANDFILL FIXED 100		%					MA

Total Fees
Total Ticket

SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief. TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature



Turnkey Landfill
30 Rochester Neck Rd
Rochester, NH, 03839
Ph: (800) 963-4776

Original
Ticket# 1025315

Customer Name JOERENZO J Derenzo Company
Ticket Date 08/28/2015
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest +
Destination
Generator NE-WORCESTERREGIONALTRANSIT W Operator Name eric metzler

Carrier TWIN TRUCKING TWIN
Vehicle# 13 Volume
Container
Driver
Check#
Billing # 0113489
Gen EPA ID NOT REQUIRED
PO
Profile 493264NH (CONTAMINATED SOIL (DISPO

Time	Scale	Operator	Inbound	Gross	lb
In 08/28/2015 09:54:4	scale 1 in	eric metzler		Tare	35380 lb
Out 08/28/2015 10:36:1	scale 2 ou	eric metzler		Net	57820 lb
				Tons	28.91

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil Met-Tons 100		28.91	Tons				MA
2 RCR-P-Regulatory C 100			%				MA
3 EVF-P-Standard Env 100			%				MA
4 LFS-LANDFILL FIXED 100			%				MA

Total Fees
Total Ticket

SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief. TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature



Turnkey Landfill
30 Rochester Neck Rd
Rochester, NH, 03839
Ph: (800) 963-4776

Original
Ticket# 1025327

Customer Name JDERENZO J Derenzo Company
Ticket Date 08/28/2015
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest +
Destination
Generator NE-WORCESTERREGIONALTRANSIT W Operator Name Paula Bain

Carrier TWIN TRUCKING TWIN
Vehicle# 3 Volume
Container
Driver
Check#
Billing # 0113489
Gen EPA ID NOT REQUIRED
PO
Profile 493264NH (CONTAMINATED SOIL (DISPO

Time	Scale	Operator	Inbound	Gross	104320 lb
In 08/28/2015 10:06:0	scale 1 in eric metzler			Tare	35000 lb
Out 08/28/2015 10:54:3	scale 2 ou Paula Bain			Net	69320 lb
				Tons	34.66

Comments

Product	LDX	Dty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil Mat-Tons 100		34.66	Tons				MA
2 RCR-P-Regulatory C 100		%					MA
3 EVF-P-Standard Env 100		%					MA
4 LFG-LANDFILL FIXED 100		%					MA

Total Fees
Total Ticket

SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.
TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature





Turnkey Landfill
30 Rochester Neck Rd
Rochester, NH, 03839
Ph: (800) 963-4776

Original
Ticket# 1025627

Customer Name JDERENZO J Derenzo Company
Ticket Date 08/31/2015
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest #
Destination
Generator NE-WORCESTERREGIONALTRANSIT W Operator Name eric metzler

Carrier GURRISSI DT
Vehicle# 4 Volume
Container
Driver
Check#
Billing # 0113489
Gen EPA ID NOT REQUIRED
PO
Profile 493264NH (CONTAMINATED SOIL (DISPO

Time	Scale	Operator	Inbound	Gross	lb
In 08/31/2015 08:20:2	scale 1 in Paula Bain			Tare	37900 lb
Out 08/31/2015 08:35:5	scale 2 ou eric metzler			Nat	57520 lb
				Tons	28.76

Comments

Product	LDX	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil Mat-Tons 100		28.76	Tons				MA
2 RCR-P-Regulatory C 100			%				MA
3 EVF-P-Standard Env 100			%				MA
4 LFG-LANDFILL FIXED 100			%				MA

Total Fees
Total Ticket

SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief. TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature



Turnkey Landfill
30 Rochester Neck Rd.
Rochester, NH, 03839
Ph: (800) 963-4776

Original
Ticket# 1025615

Customer Name JDERENZO J Derenzo Company
Ticket Date 08/31/2015
Payment Type Credit Account
Manual Tickets
Hauling Ticket#
Route
State Waste Code
Manifest *

Carrier TWIN TRUCKING TWIN
Vehicle# 60 Volume
Container
Driver
Check#
Billing # 0113489
Gen EPA ID NOT REQUIRED
PO
Profile 493eB4NH (CONTAMINATED SOIL (DISPO
Generator NE-WORCESTERREGIONALTRANSIT W Operator Name eric metzler

Time	Scale	Operator	Inbound	Gross	lb
In 08/31/2015 08:44:3	scale 1 in Paula Bain			Tare	37240 lb
Out 08/31/2015 09:05:0	scale 2 ou eric metzler			Net	60820 lb
				Tons	30.41

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil Met-Tons 100		30.41	Tons				NA
2 RCR-P-Regulatory C 100			%				
3 EVF-P-Standard Env 100			%				
4 LFS-LANDFILL FIXED 100			%				

Total Fees
Total Ticket

SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief. TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature



Turnkey Landfill
30 Rochester Neck Rd
Rochester, NY, 103839
Ph: (800) 963-4776

Original
Ticket# 1025616

Customer Name JDERENZO J Derenzo Company
Ticket Date 08/31/2015
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest #
Destination
Generator NE-WORCESTERREGIONALTRANSIT W Operator Name eric metzler

Carrier TWIN TRUCKING TWIN
Vehicle# 13 Volume
Container
Driver
Check#
Billing # Q113489
Gen EPA ID NOT REQUIRED
PO
Profile 493264NH (CONTAMINATED SOIL (DISPO
Operator Name eric metzler

Time	Scale	Operator	Inbound	Gross	lb
In 08/31/2015 08:45:4	scale 1 in Paula Bain			Tare	35360 lb
Out 08/31/2015 09:11:2	scale 2 ou eric metzler			Net	62200 lb
				Tons	31.10

Comments

Product	LD%	Dty	UD%	Rate	Fee	Amount	Origin
1 Cont Soil Net-Tons 100		31.10	Tons				MA
2 RCR-P-Regulatory C 100		%					MA
3 EVF-P-Standard Env 100		%					MA
4 LFS-LANDFILL FIXED 100		%					MA

Total Fees
Total Ticket

SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief, TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature



Turnkey Landfill
30 Rochester Neck Rd
Rochester, NH, 03839
Ph: (800) 963-4776

Original
Ticket# 1025620

Customer Name JDERENZO J Derenzo Company
Ticket Date 08/31/2015
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest #
Destination
Generator NE-WORCESTERREGIONALTRANSIT W Operator Name eric metzler

Carrier TWIN TRUCKING TWIN
Vehicle# 3 Volume
Container
Driver
Check#
Billing # Q113489
Gen EPA ID NOT REQUIRED
PO
Profile 493264NH (CONTAMINATED SOIL (DISPO
Operator Name eric metzler

Time	Scale	Operator	Inbound	Gross	lb
In 08/31/2015 06:58:5	scale 1 in Paula Bain			Tare	35560 lb
Out 08/31/2015 09:19:0	scale 2 ou eric metzler			Net	52320 lb
				Tons	26.16

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil Mat-Tons 100		26.16	Tons				MA
2 RCR-P-Regulatory C 100			%				MA
3 EVF-P-Standard Env 100			%				MA
4 LFS-LANDFILL FIXED 100			%				MA

Total Fees
Total Ticket

SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief, TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature





Turnkey Landfill
30 Rochester Neck Rd
Rochester, NH, 03839
Ph: (800) 963-4776

Original
Ticket# 1025521

Customer Name JDERENZO J Derenzo Company
Ticket Date 08/31/2015
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest *

Carrier RED BARON RED BARON
Vehicle# 8 Volume
Container
Driver
Check#
Billing # 0113489
Gen EPA ID NOT REQUIRED
PO
Profile 493264NH (CONTAMINATED SOIL (DISP)
Generator NE-WORCESTERREGIONALTRANSIT W Operator Name eric metzler

Time	Scale	Operator	Inbound	Gross	103740 lb
In	08/31/2015 09:00:1	scale 1 in Paula Bain		Tare	35300 lb
Out	08/31/2015 09:24:5	scale 2 ou eric metzler		Net	68440 lb
				Tons	34.22

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil Met-Tons 100		34.22	Tons				MA
2 RCR-P-Regulatory C 100			%				MA
3 EVF-P-Standard Env 100			%				MA
4 LFS-LANDFILL FIXED 100			%				MA

Total Fees
Total Ticket

SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief. TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature



Turnkey Landfill
30 Rochester Neck Rd
Rochester, NH, 03839
Ph: (800) 963-4776

Original
Ticket# 1025649

Customer Name JDERENZO J Derenzo Company
Ticket Date 08/31/2015
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest *
Destination
Generator NE-WORCESTERREGIONALTRANSIT W Operator Name eric metzler

Carrier RED BARON RED BARON
Vehicle# 89 Volume
Container
Driver
Check#
Billing # 0113409
Gen EPA ID NOT REQUIRED
PO
Profile 493264NH (CONTAMINATED SOIL (DISPO
Operator Name eric metzler

Time	Scale	Operator	Inbound	Gross	101580 lb
In	08/31/2015 09:48:4 scale 1 in Paula Bain		Tare	37680 lb	
Out	08/31/2015 10:05:5 scale 2 ou eric metzler		Net	63900 lb	
			Tons	31.95	

Comments

Product	Loc	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil Met-Tons 100		31.95	Tons				MA
2 RCR-P-Regulatory C 100			%				MA
3 EVF-P-Standard Env 100			%				MA
4 LFS-LANDFILL FIXED 100			%				MA

Total Fees
Total Ticket

SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief. TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature





Turnkey Landfill
30 Rochester Neck Rd
Rochester, NH, 03839
Ph: (800) 963-4776

Original
Ticket# 1025737

Customer Name JDERENZO J Derenzo Company
Ticket Date 08/31/2015
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest *Destination
Generator NE-WORCESTERREGIONALTRANSIT W Operator Name eric metzler

Carrier GURRISSI DT
Vehicle# 4 Volume
Container
Driver
Check#
Billing # 0113489
Gen EPA ID NOT REQUIRED
PO
Profile 493264NH (CONTAMINATED SOIL (DISPO

Time	Scale	Operator	Inbound	Gross	lb
In 08/31/2015 12:36:3	scale 1 in	Paula Bain		99500	1b
Out 08/31/2015 13:01:3	scale 2 ou	eric metzler		37360	1b
				61940	1b
			Tons		30.97

Comments

Product	LD%	Dty	UDM	Rate	Fee	Account	Origin
1 Cont Soil Met-Tons 100		30.97	Tons				MA
2 RCR-P-Regulatory C 100			%				MA
3 EVF-P-Standard Env 100			%				MA
4 LFG-LANDFILL FI/ED 100			%				MA

Total Fees
Total Ticket

SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief. TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature



Turnkey Landfill
30 Rochester Neck Rd
Rochester, NH, 03839
Ph: (800) 363-4776

Original
Ticket# 1025750

Customer Name JDERENZO J Derenzo Company
Ticket Date 08/31/2015
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest *
Destination
Generator NE-WORCESTERREGIONALTRANSIT W Operator Name eric metzler

Carrier TWIN TRUCKING TWIN
Vehicle# 60 Volume
Container
Driver
Check#
Billing # 0113489
Gen EPA ID NOT REQUIRED
PO
Profile 493264NH (CONTAMINATED SOIL (DISPO

Time	Scale	Operator	Inbound	Gross	101560 lb
In 08/31/2015 13:19:5	scale 1 in Paula Bain			Tare	36860 lb
Out 08/31/2015 13:37:0	scale 2 ou eric metzler			Net	64700 lb
				Tons	32.35

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil Met-Tons 100		32.35	Tons				MA
2 RCR-P-Regulatory C 100			%				MA
3 EVF-P-Standard Env 100			%				MA
4 LFS-LANDFILL FIXED 100			%				MA

Total Fees
Total Ticket

SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief. TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature





Turnkey Landfill
30 Rochester Neck Rd
Rochester, NH 03839
Ph: (800) 961 5776

Original
Ticket# 1025772

Customer Name JDERENZO J Derenzo Company
Ticket Date 08/31/2015
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest *
Destination
Generator NE-WORCESTERREGIONALTRANSIT W

Carrier TWIN TRUCKING TWIN
Vehicle# 3 Volume
Container
Driver
Check#
Billing # 0113489
Gen EPA ID NOT REQUIRED
PO
Profile 493264NH (CONTAMINATED SOIL (DISPO
Operator Name eric metzler

Time	Scale	Operator	Inbound	Gross	lb
In 08/31/2015 13:40:3	scale 1 in Paula Bain			Tare	35280 lb
Out 08/31/2015 14:01:4	scale 2 ou eric metzler			Net	54640 lb
				Tons	27.32

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil Mat-Tons 100		27.32	Tons				MA
2 RCR-P-Regulatory C 100			%				MA
3 EVF-P-Standard Eny 100			%				MA
4 LFS-LANDFILL FIXED 100			%				MA

Total Fees
Total Ticket

SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that
the information provided is true and correct to the best of my knowledge and belief.
TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature





Turnkey Landfill
30 Rochester Neck Rd
Rochester, NH, 03839
Ph: (800) 963-4776

Original
Ticket# 1025777

Customer Name JODERENZO J Derenzo Company
Ticket Date 08/31/2015

Carrier TWIN TRUCKING THIN

Payment Type Credit Account

Vehicle# 13

Volume

Manual Ticket#

Container

Hauling Ticket#

Driver

Route

Check#

State Waste Code

Billing # 0113489

Manifest *

Gen EPA ID NOT REQUIRED

Destination

PO

Profile 493264NH (CONTAMINATED SOIL (DISPO

Generator NE-WORCESTERREGIONALTRANSIT W Operator Name eric metzler

Time	Scale	Operator	Inbound	Gross	102440 lb
In 08/31/2015 13:44:5	scale 1 in Paula Bain			Tare	35020 lb
Out 08/31/2015 14:16:0	scale 2 ou eric metzler			Net	67420 lb
				Tons	33.71

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil Met-Tons 100		33.71	Tons				MA
2 RCR-P-Regulatory C 100			%				MA
3 EVF-P-Standard Env 100			%				MA
4 LFS-LANDFILL FIXED 100			%				MA

Total Fees
Total Ticket

SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief. TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature



Turnkey Landfill
30 Rochester Neck Rd
Rochester, NH, 03839
Ph: (800) 963-4776

Original
Ticket# 1025783

Customer Name JDERENZO J Derenzo Company
Ticket Date 08/31/2015
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest *
Destination
Generator NE-WORCESTERREGIONALTRANSIT W Operator Name eric metzler

Carrier RED BARON RED BARON
Vehicle# 8 Volume
Container
Driver
Check#
Billing # 0113489
Gen EPA ID NOT REQUIRED
PO
Profile 493264MH (CONTAMINATED SOIL (DISPO
Operator Name eric metzler

Time	Scale	Operator	Inbound	Gross	lb
In 08/31/2015 13:55:1	scale 1 in Paula Bain			Tare	35640 lb
Out 08/31/2015 14:31:5	scale 2 ou eric metzler			Net	53740 lb
				Tons	31.87

Comments

Product	LDN	Qty	UON	Rate	Fee	Amount	Origin
1 Cont Soil Mat-Tons 100		31.87	Tons				MA
2 RCR-P-Regulatory C 100			%				MA
3 EVF-P-Standard Env 100			%				MA
4 LFS-LANDFILL FIXED 100			%				MA

Total Fees
Total Tickets

SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.
TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature





Turnkey Landfill
30 Rochester Neck Rd
Rochester, N.Y. 14690
Ph: (800) 963-4776

Original
Ticket# 1025794

Customer Name JOERENZO J Derenzo Company
Ticket Date 08/31/2015
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest *
Destination
Generator NE-WORCESTERREGIONALTRANSIT W Operator Name eric metzler

Carrier RED BARON RED BARON
Vehicle# 89 Volume
Container
Driver
Check#
Billing # 0113409
Gen EPA ID NOT REQUIRED
PO
Profile 493284NH (CONTAMINATED SOIL (DISPO
Operator Name eric metzler

Time	Scale	Operator	Inbound	Gross	Tare	Net	Tons
In 08/31/2015 14:14:5	scale 1 in Paula Bain			99700 lb	37540 lb	62160 lb	31.08
Out 08/31/2015 14:40:2	scale 2 ou eric metzler						

Comments:

Product	LDX	Qty	UDM	Rate	Fee	Amount	Origin
1 Cont Soil Met-Tons 100		31.08	Tons				MA
2 RCR-P-Regulatory C 100			%				MA
3 EVE-P-Standard Env 100			%				MA
4 LFS-LANDFILL FIXED 100			%				MA

Total Fees
Total Ticket

SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief. TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature

WRTA
JDC14030
WM-Turnkey
9/1-8/2015

DATE	TICKET	TONS
9/1/2015	1025911	32.19
9/1/2015	1025918	31.39
9/1/2015	1025923	32.55
9/1/2015	1025929	30.72
9/1/2015	1025941	31.06
9/1/2015	1025949	31.65
9/1/2015	1026075	30.54
9/1/2015	1026078	32.84
9/1/2015	1026093	31.81
9/1/2015	1026098	32.58
9/1/2015	1026104	32.53
9/1/2015	1026126	30.99

Subtotal **380.85**

DATE	TICKET	TONS
9/2/2015	1026270	30.49
9/2/2015	1026272	34.39
9/2/2015	1026275	32.36
9/2/2015	1026278	31.09
9/2/2015	1026284	31.31
9/2/2015	1026288	33.37
9/2/2015	1026303	31.61
9/2/2015	1026310	28.89
9/2/2015	1026313	30.44
9/2/2015	1026323	30.45
9/2/2015	1026409	31.10
9/2/2015	1026419	32.17
9/2/2015	1026434	32.93
9/2/2015	1026435	31.46
9/2/2015	1026461	34.56
9/2/2015	1026472	30.91
9/2/2015	1026473	30.88
9/2/2015	1026476	32.23
9/2/2015	1026483	32.79

Subtotal **603.43**

DATE	TICKET	TONS
9/3/2015	1026616	30.06
9/3/2015	1026624	31.61
9/3/2015	1026629	35.55
9/3/2015	1026637	32.68
9/3/2015	1026773	30.83
9/3/2015	1026781	32.33
9/3/2015	1026787	33.24
9/3/2015	1026811	30.74

Subtotal **257.04**

DATE	TICKET	TONS
9/8/2015	1027279	31.68
9/8/2015	1027298	36.74
9/8/2015	1027322	31.00
9/8/2015	1027470	31.77
9/8/2015	1027484	32.18
9/8/2015	1027512	31.82
	Subtotal	195.19
	Total	1,436.51

GUR. 4

Profile Approval #: 493264NH



**Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup**

BILL OF LADING Transport Log Sheet

Disposal

Release Tracking Number

Q - 19520

Page _____ OF _____

I. LOAD INFORMATION:		Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Load 1:					
Date of Shipment:	9/1/15	Time of Shipment:	6	Date of Receipt:	9/1/15
Truck/Tractor Registration:	87732	Trailer Registration (if any):		Time of Receipt:	8:03 AM
				Load Size (cu. yds./tons):	
Load 2:		Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Date of Shipment:	9/1/15	Time of Shipment:		Date of Receipt:	
Truck/Tractor Registration:	87732	Trailer Registration (if any):		Time of Receipt:	
				Load Size (cu. yds./tons):	
Load 3:		Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Date of Shipment:		Time of Shipment:		Date of Receipt:	
Truck/Tractor Registration:		Trailer Registration (if any):		Time of Receipt:	
				Load Size (cu. yds./tons):	
Load 4:		Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Date of Shipment:		Time of Shipment:		Date of Receipt:	
Truck/Tractor Registration:		Trailer Registration (if any):		Time of Receipt:	
				Load Size (cu. yds./tons):	
Load 5:		Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Date of Shipment:		Time of Shipment:		Date of Receipt:	
Truck/Tractor Registration:		Trailer Registration (if any):		Time of Receipt:	
				Load Size (cu. yds./tons):	
Load 6:		Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Date of Shipment:		Time of Shipment:		Date of Receipt:	
Truck/Tractor Registration:		Trailer Registration (if any):		Time of Receipt:	
				Load Size (cu. yds./tons):	

J. LOG SHEET VOLUME INFORMATION:

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Profile Approval #: 493264NH



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BILL OF LADING Transport Log Sheet

Page _____ OF _____

Disposal

Release Tracking Number

Q - 19520

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1:

Date of Shipment:

9/1/15

Time of Shipment:

6:30

AM PM

Truck/Traffic Registration:

85159MX 2146334 ME

Receiving Facility/Temporary Storage Representative:

P. Bell

Date of Receipt:

9/1/15

Time of Receipt:

8:25

AM PM

Load Size (cu. yds./tons):

Load 2: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Truck/Traffic Registration: Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 3: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Truck/Traffic Registration: Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Truck/Traffic Registration: Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Truck/Traffic Registration: Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Truck/Traffic Registration: Trailer Registration (if any):

Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

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**Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup**

TWS # 68

BILL OF LADING Transport Log Sheet*Disposal*

Release Tracking Number

Q - 19520

Page _____ OF _____

I. LOAD INFORMATION: Signature of Transporter Representative:**Load 1:**

Date of Shipment:

9/1/15

Time of Shipment:

 AM PM

Truck/Tractor Registration:

48448

Trailer Registration (if any):

90911

Receiving Facility/Temporary Storage Representative:

Pace

Date of Receipt:

9/1/15

Time of Receipt:

8:40

 AM PM

Load Size (cu. yds./tons):

Load 2: Signature of Transporter Representative:

Date of Shipment:

9/1/15

Time of Shipment:

 AM PM

Truck/Tractor Registration:

48448

Trailer Registration (if any):

90911

Receiving Facility/Temporary Storage Representative:

Pace

Date of Receipt:

9/1/15

Time of Receipt:

 AM PM

Load Size (cu. yds./tons):

Load 3: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

 AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Pace

Date of Receipt:

9/1/15

Time of Receipt:

 AM PM

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

 AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Pace

Date of Receipt:

9/1/15

Time of Receipt:

 AM PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

 AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Pace

Date of Receipt:

9/1/15

Time of Receipt:

 AM PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

 AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Pace

Date of Receipt:

9/1/15

Time of Receipt:

 AM PM

Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

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Profile Approval #: 493264NH



**Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup**

BILL OF LADING Transport Log Sheet

Page _____ OF _____

QISP

Release Tracking Number

Q - 19520

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1:

Date of Shipment:

9-1-15

Time of Shipment:

6:45

 AM PM

Truck/Tractor Registration:

94698

Trailer Registration (if any):

90435

Receiving Facility/Temporary Storage Representative:

J. Baier

Date of Receipt:

9/1/15

Time of Receipt:

8:50

 AM PM

Load Size (cu. yds./tons):

Load 2: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

 AM PM

Receiving Facility/Temporary Storage Representative:

Truck/Tractor Registration:

Trailer Registration (if any):

Date of Receipt:

Time of Receipt:

 AM PM

Load Size (cu. yds./tons):

Load 3: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

 AM PM

Receiving Facility/Temporary Storage Representative:

Truck/Tractor Registration:

Trailer Registration (if any):

Date of Receipt:

Time of Receipt:

 AM PM

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

 AM PM

Receiving Facility/Temporary Storage Representative:

Truck/Tractor Registration:

Trailer Registration (if any):

Date of Receipt:

Time of Receipt:

 AM PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

 AM PM

Receiving Facility/Temporary Storage Representative:

Truck/Tractor Registration:

Trailer Registration (if any):

Date of Receipt:

Time of Receipt:

 AM PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

 AM PM

Receiving Facility/Temporary Storage Representative:

Truck/Tractor Registration:

Trailer Registration (if any):

Date of Receipt:

Time of Receipt:

 AM PM

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J. LOG SHEET VOLUME INFORMATION:

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Profile Approval #: 493264NH



**Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup**

BILL OF LADING Transport Log Sheet

Page _____ OF _____

Disp.

Release Tracking Number

Q - 19520

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1:

Date of Shipment:

Time of Shipment:

9-1-15

 AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

84029

82275

Receiving Facility/Temporary Storage Representative:

P. Bain

Date of Receipt:

9/1/15

Time of Receipt:

9:03

 AM PM

Load Size (cu. yds./tons):

Load 2: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

9-1-15

 AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

84029

82275

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

 AM PM

Load Size (cu. yds./tons):

Load 3: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

 AM PM

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

 AM PM

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

 AM PM

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

 AM PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

 AM PM

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

 AM PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

 AM PM

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

 AM PM

Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

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Profile Approval #: 493264NH



**Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup**

BILL OF LADING Transport Log Sheet

DSP

Release Tracking Number

Q - 19520

Page _____ OF _____

I. LOAD INFORMATION:

Load 1:

Date of Shipment:

9-1-15

Time of Shipment:

AM PM

Truck/Tractor Registration:

88726

Trailer Registration (if any):

11823

Receiving Facility/Temporary Storage Representative:

R. Baron

Date of Receipt:

9/1/15

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 2: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Receiving Facility/Temporary Storage Representative:

Truck/Tractor Registration:

Trailer Registration (if any):

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 3: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Receiving Facility/Temporary Storage Representative:

Truck/Tractor Registration:

Trailer Registration (if any):

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Receiving Facility/Temporary Storage Representative:

Truck/Tractor Registration:

Trailer Registration (if any):

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Receiving Facility/Temporary Storage Representative:

Truck/Tractor Registration:

Trailer Registration (if any):

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Receiving Facility/Temporary Storage Representative:

Truck/Tractor Registration:

Trailer Registration (if any):

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

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GUR 4

Profile Approval #: 493264NH



**Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup**

BILL OF LADING Transport Log Sheet

Disposal

Page _____ OF _____

Release Tracking Number

Q - 19520

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1:

Date of Shipment:

9/1/15
87732

Time of Shipment:

6 AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

P Bain

Date of Receipt:

9/1/15

Time of Receipt:

8:03 AM PM

Load Size (cu. yds./tons):

Load 2: Signature of Transporter Representative:

Date of Shipment:

9/1/15
87732

Time of Shipment:

 AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

P Bain

Date of Receipt:

9/1/15

Time of Receipt:

7:24 AM PM

Load Size (cu. yds./tons):

Load 3: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

 AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

 AM PM

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

 AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

 AM PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

 AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

 AM PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

 AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

 AM PM

Load Size (cu. yds./tons):

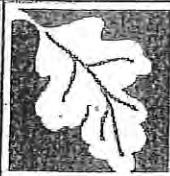
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TWS # 60



**Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup**

BILL OF LADING Transport Log Sheet

Page _____ OF _____

Disposal

Release Tracking Number

Q - 19520

I. LOAD INFORMATION:**Load 1:**

Date of Shipment:

9/1/15

Truck/Tractor Registration:

48448

Signature of Transporter Representative:

M. Dean

Time of Shipment:

 AM PM

Receiving Facility/Temporary Storage Representative:

P. Lach

Date of Receipt:

9/1/15

Time of Receipt:

8:40

 AM PM

Load Size (cu. yds./tons):

Load 2:

Date of Shipment:

9/1/15

Truck/Tractor Registration:

48448

Signature of Transporter Representative:

M. Dean

Time of Shipment:

 AM PM

Receiving Facility/Temporary Storage Representative:

P. Lach

Date of Receipt:

9/1/15

Time of Receipt:

1:12

 AM PM

Load Size (cu. yds./tons):

Load 3:

Date of Shipment:

Time of Shipment:

 AM PM

Receiving Facility/Temporary Storage Representative:

P. Lach

Date of Receipt:

Time of Receipt:

 AM PM

Load Size (cu. yds./tons):

Load 4:

Date of Shipment:

Time of Shipment:

 AM PM

Receiving Facility/Temporary Storage Representative:

P. Lach

Date of Receipt:

Time of Receipt:

 AM PM

Load Size (cu. yds./tons):

Load 5:

Date of Shipment:

Time of Shipment:

 AM PM

Receiving Facility/Temporary Storage Representative:

P. Lach

Date of Receipt:

Time of Receipt:

 AM PM

Load Size (cu. yds./tons):

Load 6:

Date of Shipment:

Time of Shipment:

 AM PM

Receiving Facility/Temporary Storage Representative:

P. Lach

Date of Receipt:

Time of Receipt:

 AM PM

Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons)

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Total Carried Forward and This Page (cu. yds./tons):

Red Baron 89

Profile Approval #: 493264 NH



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BILL OF LADING Transport Log Sheet

Page _____ OF _____

Disposal

Release Tracking Number

Q - 19520

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1:

Date of Shipment:

9/1/15

Time of Shipment:

6:30

AM PM

Truck/Tractor Registration:

85159 MX 2146334 ME

Receiving Facility/Temporary Storage Representative:

P. Bear

Date of Receipt:

9/1/15

Time of Receipt:

8:25

AM PM

Load Size (cu. yds./tons):

Load 2: Signature of Transporter Representative:

Date of Shipment:

9/1/15

Time of Shipment:

11:00

AM PM

Truck/Tractor Registration:

F0159

Trailer Registration (if any):

2146334

Receiving Facility/Temporary Storage Representative:

P. Bear

Date of Receipt:

9/1/15

Time of Receipt:

1:38

AM PM

Load Size (cu. yds./tons):

Load 3: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons)

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**Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup**

BILL OF LADING Transport Log Sheet

Page _____ OF _____

RISP

Release Tracking Number

Q - 19520

I. LOAD INFORMATION:		Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Load 1:					
Date of Shipment:	Time of Shipment:				
9-1-15	6:45	<input checked="" type="checkbox"/> AM	<input type="checkbox"/> PM		
Truck/Tractor Registration:	Trailer Registration (if any):				
99698	90435				
Load 2:	Signature of Transporter Representative:			Receiving Facility/Temporary Storage Representative:	
Date of Shipment:	Time of Shipment:				
9-1-15		<input type="checkbox"/> AM	<input checked="" type="checkbox"/> PM		
Truck/Tractor Registration:	Trailer Registration (if any):				
99698	90435				
Load 3:	Signature of Transporter Representative:			Receiving Facility/Temporary Storage Representative:	
Date of Shipment:	Time of Shipment:				
		<input type="checkbox"/> AM	<input type="checkbox"/> PM		
Truck/Tractor Registration:	Trailer Registration (if any):				
Load 4:	Signature of Transporter Representative:			Receiving Facility/Temporary Storage Representative:	
Date of Shipment:	Time of Shipment:				
		<input type="checkbox"/> AM	<input type="checkbox"/> PM		
Truck/Tractor Registration:	Trailer Registration (if any):				
Load 5:	Signature of Transporter Representative:			Receiving Facility/Temporary Storage Representative:	
Date of Shipment:	Time of Shipment:				
		<input type="checkbox"/> AM	<input type="checkbox"/> PM		
Truck/Tractor Registration:	Trailer Registration (if any):				
Load 6:	Signature of Transporter Representative:			Receiving Facility/Temporary Storage Representative:	
Date of Shipment:	Time of Shipment:				
		<input type="checkbox"/> AM	<input type="checkbox"/> PM		
Truck/Tractor Registration:	Trailer Registration (if any):				
J. LOG SHEET VOLUME INFORMATION:		Total Volume Recorded This Page (cu. yds./tons) Total Carried Forward (cu. yds./tons): Total Carried Forward and This Page (cu. yds./tons):			

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Profile Approval #: 493264NH



**Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup**

BILL OF LADING Transport Log Sheet

Disp.

Release Tracking Number

Q - 19520

Page _____ OF _____

L. LOAD INFORMATION:

Signature of Transporter Representative:

Load 1:

Date of Shipment:

9-1-15

Time of Shipment:

 AM PM

Truck/Tractor Registration:

84029

Trailer Registration (if any):

82275

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

9/1/15

Time of Receipt:

9:03

 AM PM

Load 2:

Signature of Transporter Representative:

Date of Shipment:

9-1-15

Time of Shipment:

 AM PM

Truck/Tractor Registration:

84029

Trailer Registration (if any):

82275

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

9/1/15

Time of Receipt:

2:00

 AM PM

Load 3:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

 AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

 AM PM

Load Size (cu. yds./tons):

Load 4:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

 AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

 AM PM

Load Size (cu. yds./tons):

Load 5:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

 AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

 AM PM

Load Size (cu. yds./tons):

Load 6:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

 AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

 AM PM

Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

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Profile Approval #: 493264NH



**Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup**

BILL OF LADING Transport Log Sheet

Page _____ OF _____

Release Tracking Number

Q - 19520

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1:

Date of Shipment:

9-1-15

Time of Shipment:

AM PM

Truck/Tractor Registration:

88726

Trailer Registration (if any):

11823

Load 2: Signature of Transporter Representative:

Date of Shipment:

9-1-16

Time of Shipment:

AM PM

Truck/Tractor Registration:

88726

Trailer Registration (if any):

11823

Load 3: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load 4: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load 5: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load 6: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

P. Roien

Date of Receipt:

9/11/15

Time of Receipt:

9:12

AM PM

Load Size (cu. yds./tons):

Receiving Facility/Temporary Storage Representative:

P. Roien

Date of Receipt:

9/11/15

Time of Receipt:

2:26

AM PM

Load Size (cu. yds./tons):

Receiving Facility/Temporary Storage Representative:

P. Roien

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Receiving Facility/Temporary Storage Representative:

P. Roien

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Receiving Facility/Temporary Storage Representative:

P. Roien

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Receiving Facility/Temporary Storage Representative:

P. Roien

Date of Receipt:

Time of Receipt:

AM PM

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J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons)

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Profile Approval #: 493264NH



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BILL OF LADING Transport Log Sheet

DISP.

Release Tracking Number

Q - 19520

Page _____ OF _____

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1:

Date of Shipment:

9/2/15

Time of Shipment:

6:00 AM

AM PM

Truck/Traffic Registration:

85159

Trailer Registration (if any):

214633Y

Receiving Facility/Temporary Storage Representative:

P. Baer

Date of Receipt:

9/2/15

Time of Receipt:

8:11

AM PM

Load Size (cu. yds./tons):

Load 2: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Receiving Facility/Temporary Storage Representative:

Truck/Traffic Registration:

Trailer Registration (if any):

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 3: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Receiving Facility/Temporary Storage Representative:

Truck/Traffic Registration:

Trailer Registration (if any):

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Receiving Facility/Temporary Storage Representative:

Truck/Traffic Registration:

Trailer Registration (if any):

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Receiving Facility/Temporary Storage Representative:

Truck/Traffic Registration:

Trailer Registration (if any):

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Receiving Facility/Temporary Storage Representative:

Truck/Traffic Registration:

Trailer Registration (if any):

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons)

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**Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup**

BILL OF LADING Transport Log Sheet

Page _____ OF _____

DISP.

Release Tracking Number

Q - 19520

17

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1: _____

Date of Shipment:

9-2-15

Time of Shipment:

AM PM

Truck/Tractor Registration:

AP8222

Trailer Registration (if any):

85059 ME

Receiving Facility/Temporary Storage Representative:

P. Bair

Date of Receipt:

9-2-15

Time of Receipt:

8:18

AM PM

Load Size (cu. yds./tons):

Load 2: Signature of Transporter Representative:

Date of Shipment:

9-2-15

Time of Shipment:

AM PM

Truck/Tractor Registration:

AP8222

Trailer Registration (if any):

85059 ME

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 3: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons)

Total Carried Forward (cu. yds./tons):

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Profile Approval #: 493264 NH



**Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup**

BILL OF LADING Transport Log Sheet

Disp.

Release Tracking Number

Q - 19520

Page _____ OF _____

I. LOAD INFORMATION:		Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Load 1:		<i>Bar Keltner</i>		<i>Ronald Green</i>	
Date of Shipment:	9/2/15	Time of Shipment:		Date of Receipt:	9/2/15
Truck/Tractor Registration:	15-APSWL2	Trailer Registration (if any):	26560	Time of Receipt:	8:34 AM
		<input type="checkbox"/> AM	<input type="checkbox"/> PM	<input type="checkbox"/> AM	<input type="checkbox"/> PM
Load 2:	Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:		
Date of Shipment:	Time of Shipment:	<input type="checkbox"/> AM	<input type="checkbox"/> PM	Date of Receipt:	Time of Receipt:
Truck/Tractor Registration:	Trailer Registration (if any):			<input type="checkbox"/> AM	<input type="checkbox"/> PM
				Load Size (cu. yds./tons):	
Load 3:	Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:		
Date of Shipment:	Time of Shipment:	<input type="checkbox"/> AM	<input type="checkbox"/> PM	Date of Receipt:	Time of Receipt:
Truck/Tractor Registration:	Trailer Registration (if any):			<input type="checkbox"/> AM	<input type="checkbox"/> PM
				Load Size (cu. yds./tons):	
Load 4:	Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:		
Date of Shipment:	Time of Shipment:	<input type="checkbox"/> AM	<input type="checkbox"/> PM	Date of Receipt:	Time of Receipt:
Truck/Tractor Registration:	Trailer Registration (if any):			<input type="checkbox"/> AM	<input type="checkbox"/> PM
				Load Size (cu. yds./tons):	
Load 5:	Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:		
Date of Shipment:	Time of Shipment:	<input type="checkbox"/> AM	<input type="checkbox"/> PM	Date of Receipt:	Time of Receipt:
Truck/Tractor Registration:	Trailer Registration (if any):			<input type="checkbox"/> AM	<input type="checkbox"/> PM
				Load Size (cu. yds./tons):	
Load 6:	Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:		
Date of Shipment:	Time of Shipment:	<input type="checkbox"/> AM	<input type="checkbox"/> PM	Date of Receipt:	Time of Receipt:
Truck/Tractor Registration:	Trailer Registration (if any):			<input type="checkbox"/> AM	<input type="checkbox"/> PM
				Load Size (cu. yds./tons):	

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons)

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Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

DISP.

BILL OF LADING Transport Log Sheet

Release Tracking Number

Q - 19520

Page

OF

I. LOAD INFORMATION:

Load 1: Signature of Transporter Representative: *M. Gurrisi*
Date of Shipment: 9/2/15 Time of Shipment: 8:30 AM PM
Truck/Traffic Registration: 87732 Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative: *T. Brown*
Date of Receipt: 9/2/15 Time of Receipt: 8:30 AM PM
Load Size (cu. yds./tons):

Load 2: Signature of Transporter Representative: *M. Gurrisi*
Date of Shipment: 9/2/15 Time of Shipment: AM PM
Truck/Traffic Registration: 87732 Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:
Date of Receipt: Time of Receipt: AM PM
Load Size (cu. yds./tons):

Load 3: Signature of Transporter Representative:
Date of Shipment: Time of Shipment: AM PM
Truck/Traffic Registration: Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:
Date of Receipt: Time of Receipt: AM PM
Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:
Date of Shipment: Time of Shipment: AM PM
Truck/Traffic Registration: Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:
Date of Receipt: Time of Receipt: AM PM
Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:
Date of Shipment: Time of Shipment: AM PM
Truck/Traffic Registration: Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:
Date of Receipt: Time of Receipt: AM PM
Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:
Date of Shipment: Time of Shipment: AM PM
Truck/Traffic Registration: Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:
Date of Receipt: Time of Receipt: AM PM
Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

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Total Carried Forward (cu. yds./tons):

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Profile Approval #: 493264NH



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

Twin 60

BILL OF LADING Transport Log Sheet

Page _____ OF _____

DISP

Release Tracking Number

Q - 19520

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1:

Date of Shipment:

9/2/15

Time of Shipment

AM PM

Truck/Tractor Registration:

48448

Trailer Registration (if any):

90911

Receiving Facility/Temporary Storage Representative:

P. Brown

Date of Receipt:

9/2/15

Time of Receipt:

8:54

AM PM

Load Size (cu. yds./tons):

Load 2: Signature of Transporter Representative:

Date of Shipment:

9/2/15

Time of Shipment

AM PM

Truck/Tractor Registration:

48448

Trailer Registration (if any):

90911

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 3: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment

AM PM

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment

AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment

AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment

AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

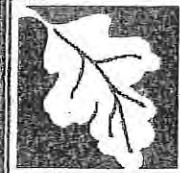
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J. LOG SHEET VOLUME INFORMATION:

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**Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup**

BILL OF LADING Transport Log Sheet

Page _____ OF _____

TRUCK
#13

Disp

Release Tracking Number

Q - 19520

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1:

Date of Shipment:

9-2-15

Time of Shipment:

6:50 AM PM

Truck/Tractor Registration:

94698

90435

Receiving Facility/Temporary Storage Representative:

PBACW

Date of Receipt:

9/2/15

Time of Receipt:

9:07 AM PM

Load Size (cu. yds./tons):

Load 2: Signature of Transporter Representative:

Date of Shipment:

9-2-15

Time of Shipment:

AM PM

Truck/Tractor Registration:

94698

90435

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 3: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons)

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Total Carried Forward and This Page (cu. yds./tons):

Kad Baron Esq

Profile Approval #: 493264NH



**Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup**

Disposal

BILL OF LADING Transport Log Sheet

Page _____ OF _____

Release Tracking Number

Q - 19520

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1:

Date of Shipment:

9-2-15

Time of Shipment:

AM PM

Truck/Tractor Registration:

8872L

Trailer Registration (if any):

11823

Receiving Facility/Temporary Storage Representative:

P. Bain

Date of Receipt:

9/2/15

Time of Receipt:

9:26 AM PM

Load 2: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 3: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Receiving Facility/Temporary Storage Representative:

Truck/Tractor Registration:

Trailer Registration (if any):

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

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Total Carried Forward and This Page (cu. yds./tons):

Twin 3

Profile Approval #: 493264NH



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BILL OF LADING Transport Log Sheet

DSP

Page _____ OF _____

Release Tracking Number

Q - 19520

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1:

Date of Shipment:

9-2-15

Time of Shipment:

AM PM

Truck/Tractor Registration:

84029

Trailer Registration (if any):

82275

Receiving Facility/Temporary Storage Representative:

J. Green

Date of Receipt:

9/2/15

Time of Receipt:

9:37 AM PM

Load Size (cu. yds./tons):

Load 2: Signature of Transporter Representative:

Date of Shipment:

9-2-15

Time of Shipment:

AM PM

Truck/Tractor Registration:

84029

Trailer Registration (if any):

82275

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 3: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

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KadRosen 92

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**Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup**

BILL OF LADING Transport Log Sheet

DSD

Release Tracking Number

Q - 19520

Page

OF

I. LOAD INFORMATION:

Load 1:

Date of Shipment:

9-2-15

Truck/Tractor Registration:

95906

Signature of Transporter Representative:

Time of Shipment:

AM PM

Receiving Facility/Temporary Storage Representative:

P. Rosen

Date of Receipt:

9-2-15

Time of Receipt:

9:39

AM PM

Load Size (cu. yds./tons):

Load 2:

Signature of Transporter Representative:

Time of Shipment:

AM PM

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

9-2-15

Truck/Tractor Registration:

95906

Trailer Registration (if any):

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 3:

Signature of Transporter Representative:

Time of Shipment:

AM PM

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

9-2-15

Truck/Tractor Registration:

95906

Trailer Registration (if any):

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 4:

Signature of Transporter Representative:

Time of Shipment:

AM PM

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

9-2-15

Truck/Tractor Registration:

95906

Trailer Registration (if any):

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 5:

Signature of Transporter Representative:

Time of Shipment:

AM PM

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

9-2-15

Truck/Tractor Registration:

95906

Trailer Registration (if any):

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 6:

Signature of Transporter Representative:

Time of Shipment:

AM PM

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

9-2-15

Truck/Tractor Registration:

95906

Trailer Registration (if any):

Date of Receipt:

Time of Receipt:

AM PM

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J. LOG SHEET VOLUME INFORMATION:

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Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

DISPOSAL

BILL OF LADING Transport Log Sheet

Page _____ OF _____

Release Tracking Number

Q - 19520

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1:

Date of Shipment:

9/3/15

Time of Shipment:

AM PM

Truck/Traffic Registration:

88604 UNIT

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

9/3/15

Time of Receipt:

9:50 AM PM

Load Size (cu. yds./tons):

Load 2: Signature of Transporter Representative:

Date of Shipment:

9/3/15

Time of Shipment:

AM PM

Truck/Traffic Registration:

88604 UNIT

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 3: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Traffic Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Traffic Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Traffic Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Traffic Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

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Profile Approval #: 493264 NH



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BILL OF LADING Transport Log Sheet

Page

OF

DISP.
Release Tracking Number

Q - 19520

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1:

Date of Shipment:

9/2/15

Time of Shipment:

6:30

AM PM

Receiving Facility/Temporary Storage Representative:

P Baum

Date of Receipt:

9/2/15

Time of Receipt:

8:32

AM PM

Truck/Tractor Registration:

87732

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 2: Signature of Transporter Representative:

Date of Shipment:

9/2/15

Time of Shipment:

11:15

AM PM

Receiving Facility/Temporary Storage Representative:

P Baum

Date of Receipt:

9/2/15

Time of Receipt:

10:54

AM PM

Truck/Tractor Registration:

87732

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 3: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

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Total Volume Recorded This Page (cu. yds./tons)

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**Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup**

BILL OF LADING Transport Log Sheet

Disp.

Release Tracking Number

Q - 19520

Page _____ OF _____

L. LOAD INFORMATION: Signature of Transporter Representative:

Load 1:

Date of Shipment:

9/2/15

Time of Shipment:

 AM PM

Truck/Traffic Registration:

15-APS462

Trailer Registration (if any):

2656d

Receiving Facility/Temporary Storage Representative:

Rebecca Deen

Date of Receipt:

9/2/15

Time of Receipt:

8:37

 AM PM

Load Size (cu. yds./tons):

Load 2: Signature of Transporter Representative:

9/2/15

Time of Shipment:

 AM PM

Truck/Traffic Registration:

15-APS462

Trailer Registration (if any):

26560

Receiving Facility/Temporary Storage Representative:

Rebecca Deen

Date of Receipt:

9/2/15

Time of Receipt:

1:11

 AM PM

Load Size (cu. yds./tons):

Load 3: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

 AM PM

Truck/Traffic Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

 AM PM

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

 AM PM

Truck/Traffic Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

 AM PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

 AM PM

Truck/Traffic Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

 AM PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

 AM PM

Truck/Traffic Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

 AM PM

Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons)

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Total Carried Forward and This Page (cu. yds./tons):

Twin 60

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Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

Twin 60

BILL OF LADING Transport Log Sheet

Page _____ OF _____

QISL

Release Tracking Number

Q - 19520

I. LOAD INFORMATION:

Load 1:

Date of Shipment:

9/2/15

Truck/Traffic Registration:

48448

Signature of Transporter Representative:

Time of Shipment:

AM PM

Trailer Registration (if any):

90911

Receiving Facility/Temporary Storage Representative:

J. Baer

Date of Receipt:

9/2/15

Time of Receipt:

8:54

AM PM

Load Size (cu. yds./tons):

Load 2:

Signature of Transporter Representative:

Date of Shipment:

9/2/15

Time of Shipment:

AM PM

Receiving Facility/Temporary Storage Representative:

J. Baer

Date of Receipt:

9/2/15

Time of Receipt:

138

AM PM

Load Size (cu. yds./tons):

Load 3:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Receiving Facility/Temporary Storage Representative:

Truck/Traffic Registration:

Trailer Registration (if any):

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 4:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Traffic Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 5:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Traffic Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 6:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Traffic Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons)

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Total Carried Forward and This Page (cu. yds./tons):

Red Barons 89

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Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BILL OF LADING Transport Log Sheet

Disp.

Release Tracking Number

Q - 19520

Page _____ of _____

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1:

Date of Shipment:

9/2/15

Time of Shipment:

6:00

AM PM

Truck/Traffic Registration:

55159

Trailer Registration (if any):

2146334

Receiving Facility/Temporary Storage Representative:

T. Baier

Date of Receipt:

9/2/15

Time of Receipt:

8:11

AM PM

Load Size (cu. yds./tons):

Load 2: Signature of Transporter Representative:

Date of Shipment:

9/2/15

Time of Shipment:

11:30

AM PM

Truck/Traffic Registration:

55159

Trailer Registration (if any):

2146334

Receiving Facility/Temporary Storage Representative:

T. Baier

Date of Receipt:

9/2/15

Time of Receipt:

1:39

AM PM

Load Size (cu. yds./tons):

Load 3: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Traffic Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Traffic Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Traffic Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Traffic Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

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**Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup**

BILL OF LADING Transport Log Sheet

Page _____

OF _____

TRUCK
#13

Disp

Release Tracking Number

Q - 19520

I. LOAD INFORMATION:

Load 1:

Date of Shipment:

9-2-15

Truck/Tractor Registration:

94698

Signature of Transporter Representative:

Time of Shipment:

6:50

 AM PM

Trailer Registration (if any):

90435

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

9/2/15

Time of Receipt:

9:07

 AM PM

Load Size (cu. yds./tons):

Load 2:

Date of Shipment:

9-2-15

Truck/Tractor Registration:

94698

Signature of Transporter Representative:

Time of Shipment:

 AM PM

Trailer Registration (if any):

90435

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

9/2/15

Time of Receipt:

8:16

 AM PM

Load Size (cu. yds./tons):

Load 3:

Date of Shipment:

Time of Shipment:

 AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

 AM PM

Load Size (cu. yds./tons):

Load 4:

Date of Shipment:

Time of Shipment:

 AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

 AM PM

Load Size (cu. yds./tons):

Load 5:

Date of Shipment:

Time of Shipment:

 AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

 AM PM

Load Size (cu. yds./tons):

Load 6:

Date of Shipment:

Time of Shipment:

 AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

 AM PM

Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

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**Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup**

BILL OF LADING Transport Log Sheet

Page _____ OF _____

DSP

Release Tracking Number

Q - 19520

I. LOAD INFORMATION:		Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:		
Load 1:						
Date of Shipment:	9-2-15	Time of Shipment:			Date of Receipt:	
Truck/Tractor Registration:	84029	Trailer Registration (if any):	82275	<input type="checkbox"/> AM	<input type="checkbox"/> PM	Time of Receipt:
Load 2:		Signature of Transporter Representative:			Receiving Facility/Temporary Storage Representative:	
Date of Shipment:	9-2-15	Time of Shipment:			Signature of Transporter Representative:	
Truck/Tractor Registration:	84029	Trailer Registration (if any):	82275	<input type="checkbox"/> AM	<input type="checkbox"/> PM	Date of Receipt:
Load 3:		Signature of Transporter Representative:			Receiving Facility/Temporary Storage Representative:	
Date of Shipment:		Time of Shipment:			Date of Receipt:	Time of Receipt:
Truck/Tractor Registration:		Trailer Registration (if any):			<input type="checkbox"/> AM	<input type="checkbox"/> PM
Load 4:		Signature of Transporter Representative:			Receiving Facility/Temporary Storage Representative:	
Date of Shipment:		Time of Shipment:			Date of Receipt:	Time of Receipt:
Truck/Tractor Registration:		Trailer Registration (if any):			<input type="checkbox"/> AM	<input type="checkbox"/> PM
Load 5:		Signature of Transporter Representative:			Receiving Facility/Temporary Storage Representative:	
Date of Shipment:		Time of Shipment:			Date of Receipt:	Time of Receipt:
Truck/Tractor Registration:		Trailer Registration (if any):			<input type="checkbox"/> AM	<input type="checkbox"/> PM
Load 6:		Signature of Transporter Representative:			Receiving Facility/Temporary Storage Representative:	
Date of Shipment:		Time of Shipment:			Date of Receipt:	Time of Receipt:
Truck/Tractor Registration:		Trailer Registration (if any):			<input type="checkbox"/> AM	<input type="checkbox"/> PM

J. LOG SHEET VOLUME INFORMATION:

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**Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup**

DISP.

BILL OF LADING Transport Log Sheet

Page _____ OF _____

Release Tracking Number

D - 19520

17

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1: _____

Date of Shipment:

9-2-15

Time of Shipment:

 AM PM

Truck/Tractor Registration:

AP8282

Trailer Registration (if any):

88059 ME

Receiving Facility/Temporary Storage Representative:

P. Bain

Date of Receipt:

9-2-15

Time of Receipt:

8:18

 AM PM

Load Size (cu. yds./tons):

Load 2: Signature of Transporter Representative:

Date of Shipment:

9-2-15

Time of Shipment:

 AM PM

Truck/Tractor Registration:

AP8282

Trailer Registration (if any):

88059 ME

Receiving Facility/Temporary Storage Representative:

P. Bain

Date of Receipt:

9/2/15

Time of Receipt:

2:20

 AM PM

Load Size (cu. yds./tons):

Load 3: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

 AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

 AM PM

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

 AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

 AM PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

 AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

 AM PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

 AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

 AM PM

Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons)

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Red Barn 92

Profile Approval #: 493264NH



**Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup**

BILL OF LADING Transport Log Sheet

Page _____ OF _____

DSD
Release Tracking Number

Q - 19520

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1:

Date of Shipment:

9-2-15

Time of Shipment:

AM PM

Truck/Tractor Registration:

95906

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

P. Baier

Time of Receipt:

9-3-15

AM PM

Load Size (cu. yds./tons):

Load 2: Signature of Transporter Representative:

Date of Shipment:

9-2-15

Time of Shipment:

AM PM

Truck/Tractor Registration:

95906

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

P. Baier

Time of Receipt:

2-24

AM PM

Load Size (cu. yds./tons):

Load 3: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

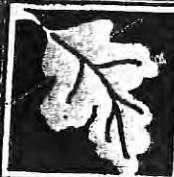
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Profile Approval #: 493264NH



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

DISPOSED

Release Tracking Number:

Q - 19520

BILL OF LADING Transport Log Sheet

Page _____ OF _____

L. LOAD INFORMATION:

Load 1:

Date of Shipment:

9/3/15

Truck/Traffic Registration:

88604 MA

Signature of Transporter Representative:

[Signature]

Time of Shipment:

AM PM

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

[Signature]

Date of Receipt:

9/3/15

Time of Receipt:

9:50 AM PM

Load Size (cu. yds./tons):

Load 2:

Date of Shipment:

9/3/15

Truck/Traffic Registration:

87604 MA

Signature of Transporter Representative:

[Signature]

Time of Shipment:

AM PM

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

[Signature]

Date of Receipt:

9/3/15

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 3:

Date of Shipment:

Time of Shipment:

AM PM

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 4:

Date of Shipment:

Time of Shipment:

AM PM

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 5:

Date of Shipment:

Time of Shipment:

AM PM

Receiving Facility/Temporary Storage Representative:

Truck/Traffic Registration:

Trailer Registration (if any):

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 6:

Date of Shipment:

Time of Shipment:

AM PM

Receiving Facility/Temporary Storage Representative:

Truck/Traffic Registration:

Trailer Registration (if any):

Date of Receipt:

Time of Receipt:

AM PM

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J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons)

Total Carried Forward (cu. yds./tons):

Total Carried Forward and This Page (cu. yds./tons):

Courtesy 4

Profile Approval #: 493264NH



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BILL OF LADING Transport Log Sheet

Page _____ OF _____

Disposal

Release Tracking Number

Q - 19520

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1:

Date of Shipment:

9/3/15

Time of Shipment:

6

AM PM

Truck/Tractor Registration:

87732

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

R. Bain

Date of Receipt:

9/3/15

Time of Receipt:

8:10

AM PM

Load Size (cu. yds./tons):

Load 2: Signature of Transporter Representative:

Date of Shipment:

9/3/15

Time of Shipment:

AM PM

Truck/Tractor Registration:

87732

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 3: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons)

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Rod Baron 89

Profile Approval #: 493264 NH



**Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup**

BILL OF LADING Transport Log Sheet

Page _____ OF _____

Disposal

Release Tracking Number

Q - 19520

I. LOAD INFORMATION:

Load 1:

Date of Shipment:

9/3/15

Signature of Transporter Representative:

R. Taylor

Time of Shipment:

6:20

AM PM

Truck/Traffic Registration:

85187

Trailer Registration (if any):

446334

Receiving Facility/Temporary Storage Representative:

P. Bain

Date of Receipt:

9/3/15

Time of Receipt:

8:31

AM PM

Load Size (cu. yds./tons):

Load 2: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Truck/Traffic Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 3: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Truck/Traffic Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Truck/Traffic Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Truck/Traffic Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Truck/Traffic Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

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**Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup**

BILL OF LADING Transport Log Sheet

Page _____ OF _____

Truck #

13

Disp.

Release Tracking Number

Q - 19520

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1:

Date of Shipment:

9-2-15

Time of Shipment:

6:45 AM PM

Truck/Tractor Registration:

94698

90435

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

P. Bain

Date of Receipt:

9/3/15

Time of Receipt:

8:42 AM PM

Load Size (cu. yds./tons):

Load 2: Signature of Transporter Representative:

Date of Shipment:

9-2-15

Time of Shipment:

AM PM

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 3: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons)

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Total Carried Forward and This Page (cu. yds./tons):

Red Baron 92

Profile Approval #: 493264NH



**Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup**

BILL OF LADING Transport Log Sheet

Page _____ OF _____

Disposal
Release Tracking Number

Q - 19520

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1:

Date of Shipment:

9-3-15

Time of Shipment:

AM PM

Truck/Tractor Registration:

95906

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Danica Boen

Date of Receipt:

9/3/15

Time of Receipt:

AM PM

Load 2: Signature of Transporter Representative:

Date of Shipment:

9-3-15

Time of Shipment:

AM PM

Truck/Tractor Registration:

95966

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 3: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons)

Total Carried Forward (cu. yds./tons):

Total Carried Forward and This Page (cu. yds./tons):



Red Baron 92 Profile Approval #: 493264 NH
Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BILL OF LADING Transport Log Sheet

Page _____ OF _____

Disposal
Release Tracking Number

Q - 19520

I. LOAD INFORMATION:

Signature of Transporter Representative: *[Signature]*

Load 1:

Date of Shipment:

9-3-15

Time of Shipment:

AM PM

Truck/Traffic Registration:

95906

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Douglas Brown

Date of Receipt:

9/3/15

Time of Receipt:

8:53 AM PM

Load Size (cu. yds./tons):

Load 2: Signature of Transporter Representative: *[Signature]*

Date of Shipment:

9-3-15

Time of Shipment:

AM PM

Truck/Traffic Registration:

95906

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Douglas Brown

Date of Receipt:

9/3/15

Time of Receipt:

1:11 AM PM

Load Size (cu. yds./tons):

Load 3: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Traffic Registration:

95906

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Traffic Registration:

95906

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Traffic Registration:

95906

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Traffic Registration:

95906

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons)

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Profile Approval #: 493264 NH



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BILL OF LADING Transport Log Sheet

Disposal

Release Tracking Number

Q - 19520

Page _____ OF _____

L. LOAD INFORMATION: Signature of Transporter Representative:

Load 1:

Date of Shipment:

9/3/15

Time of Shipment:

6

AM PM

Truck/Traffic Registration:

87732

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

R. Bain

Date of Receipt:

9/3/15

Time of Receipt:

8:10

AM PM

Load Size (cu. yds./tons):

Load 2: Signature of Transporter Representative:

Date of Shipment:

9/3/15

Time of Shipment:

AM PM

Truck/Traffic Registration:

87732

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

R. Bain

Date of Receipt:

9/3/15

Time of Receipt:

128

AM PM

Load Size (cu. yds./tons):

Load 3: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Traffic Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Traffic Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Traffic Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Traffic Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

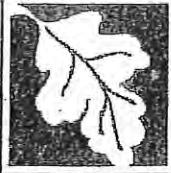
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**Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup**

BILL OF LADING Transport Log Sheet

Page _____

OF _____

D.S.P.

Release Tracking Number

D - 19520

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1:

Date of Shipment:

9-2-15

Time of Shipment:

6:45 AM PM

Truck/Tractor Registration:

94698

Trailer Registration (if any):

90435

Receiving Facility/Temporary Storage Representative:

P. Baer

Date of Receipt:

9/3/15

Time of Receipt:

8:42

 AM PM

Load 2: Signature of Transporter Representative:

Date of Shipment:

9-2-15

Time of Shipment:

 AM PM

Truck/Tractor Registration:

94698

Trailer Registration (if any):

90435

Receiving Facility/Temporary Storage Representative:

P. Baer

Date of Receipt:

9/3/15

Time of Receipt:

1:38

 AM PM

Load 3: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

 AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

 AM PM

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

 AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

 AM PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

 AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

 AM PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

 AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

 AM PM

Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

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Red Rooster 89

Profile Approval #: 493264 NH



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

Disposal

Release Tracking Number

Q - 19520

BILL OF LADING Transport Log Sheet

Page _____ OF _____

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1:

Date of Shipment:

9/3/15

Time of Shipment:

620

AM PM

Truck/Tractor Registration:

65157

Trailer Registration (if any):

446339

Receiving Facility/Temporary Storage Representative:

P. Bain

Date of Receipt:

9/3/15

Time of Receipt:

8:31

AM PM

Load Size (cu. yds./tons):

Load 2: Signature of Transporter Representative:

Date of Shipment:

9/3/15

Time of Shipment:

1120

AM PM

Truck/Tractor Registration:

65159

Trailer Registration (if any):

2196339

Receiving Facility/Temporary Storage Representative:

P. Bain

Date of Receipt:

9/3/15

Time of Receipt:

8:14

AM PM

Load Size (cu. yds./tons):

Load 3: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

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**Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup**

DSP GUR 4

BILL OF LADING Transport Log Sheet

Page _____ OF _____

Release Tracking Number

3119520

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1:

Date of Shipment:

9/8/15

Time of Shipment:

6

AM PM

Truck/Tractor Registration:

87732

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

EM

Date of Receipt:

9/8/15

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 2: Signature of Transporter Representative:

Date of Shipment:

9/8/15

Time of Shipment:

AM PM

Truck/Tractor Registration:

87732

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 3: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

AM PM

Load Size (cu. yds./tons):

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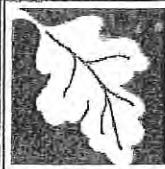
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Profile Approval #493264 N14



**Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup**

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#13

BILL OF LADING Transport Log Sheet

Page _____

OF _____

Release Tracking Number

3 - 19520

I. LOAD INFORMATION:

Signature of Transporter Representative:

Load 1:

Date of Shipment:

9-8-15

Time of Shipment:

6:30

 AM PM

Truck/Tractor Registration:

90998

Trailer Registration (if any):

93437

Receiving Facility/Temporary Storage Representative:

EMH

Date of Receipt:

9-8-15

Time of Receipt:

 AM PM**Load 2:** Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

 AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

 AM PM

Load Size (cu. yds./tons):

Load 3: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

 AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

 AM PM

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

 AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

 AM PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

 AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

 AM PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

 AM PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

 AM PM

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J. LOG SHEET VOLUME INFORMATION:

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Permit approval #493264NH

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

DSP

BILL OF LADING Transport Log Sheet

Release Tracking Number

2 - 19520

Page OF

I. LOAD INFORMATION:		Signature of Transporter Representative:	Receiving Facility/Temporary Storage Representative:
Load 1: Date of Shipment: <u>9/8/15</u>		Time of Shipment: <u>6:00</u> <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM	Date of Receipt: <u>9/8/15</u> <input type="checkbox"/> AM <input type="checkbox"/> PM
Truck/Tractor Registration: <u>85159</u>		Trailer Registration (if any): <u>2146334</u>	Load Size (cu. yds./tons): <u>985</u>
Load 2: Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Date of Shipment:		Time of Shipment: <input type="checkbox"/> AM <input type="checkbox"/> PM	Date of Receipt: <input type="checkbox"/> AM <input type="checkbox"/> PM
Truck/Tractor Registration:		Trailer Registration (if any):	Load Size (cu. yds./tons):
Load 3: Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Date of Shipment:		Time of Shipment: <input type="checkbox"/> AM <input type="checkbox"/> PM	Date of Receipt: <input type="checkbox"/> AM <input type="checkbox"/> PM
Truck/Tractor Registration:		Trailer Registration (if any):	Load Size (cu. yds./tons):
Load 4: Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Date of Shipment:		Time of Shipment: <input type="checkbox"/> AM <input type="checkbox"/> PM	Date of Receipt: <input type="checkbox"/> AM <input type="checkbox"/> PM
Truck/Tractor Registration:		Trailer Registration (if any):	Load Size (cu. yds./tons):
Load 5: Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Date of Shipment:		Time of Shipment: <input type="checkbox"/> AM <input type="checkbox"/> PM	Date of Receipt: <input type="checkbox"/> AM <input type="checkbox"/> PM
Truck/Tractor Registration:		Trailer Registration (if any):	Load Size (cu. yds./tons):
Load 6: Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Date of Shipment:		Time of Shipment: <input type="checkbox"/> AM <input type="checkbox"/> PM	Date of Receipt: <input type="checkbox"/> AM <input type="checkbox"/> PM
Truck/Tractor Registration:		Trailer Registration (if any):	Load Size (cu. yds./tons):
J. LOG SHEET VOLUME INFORMATION:		Total Volume Recorded This Page (cu. yds./tons)	
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**Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup**

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BILL OF LADING Transport Log Sheet

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Release Tracking Number

19520

L. LOAD INFORMATION:		Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Load 1:		<i>[Signature]</i>		<i>[Signature]</i>	
Date of Shipment:	9/8/15	Time of Shipment:	6	<input checked="" type="checkbox"/> AM	<input type="checkbox"/> PM
Truck/Tractor Registration:	87732	Trailer Registration (if any):		Load Size (cu. yds./tons):	
Load 2:		<i>[Signature]</i>		<i>[Signature]</i>	
Date of Shipment:	9/8/15	Time of Shipment:	11	<input checked="" type="checkbox"/> AM	<input type="checkbox"/> PM
Truck/Tractor Registration:	87732	Trailer Registration (if any):		Load Size (cu. yds./tons):	
Load 3:		<i>[Signature]</i>		<i>[Signature]</i>	
Date of Shipment:		Time of Shipment:		<input type="checkbox"/> AM	<input type="checkbox"/> PM
Truck/Tractor Registration:		Trailer Registration (if any):		Load Size (cu. yds./tons):	
Load 4:		<i>[Signature]</i>		<i>[Signature]</i>	
Date of Shipment:		Time of Shipment:		<input type="checkbox"/> AM	<input type="checkbox"/> PM
Truck/Tractor Registration:		Trailer Registration (if any):		Load Size (cu. yds./tons):	
Load 5:		<i>[Signature]</i>		<i>[Signature]</i>	
Date of Shipment:		Time of Shipment:		<input type="checkbox"/> AM	<input type="checkbox"/> PM
Truck/Tractor Registration:		Trailer Registration (if any):		Load Size (cu. yds./tons):	
Load 6:		<i>[Signature]</i>		<i>[Signature]</i>	
Date of Shipment:		Time of Shipment:		<input type="checkbox"/> AM	<input type="checkbox"/> PM
Truck/Tractor Registration:		Trailer Registration (if any):		Load Size (cu. yds./tons):	
J. LOG SHEET VOLUME INFORMATION:		Total Volume Recorded This Page (cu. yds./tons) Total Carried Forward (cu. yds./tons): Total Carried Forward and This Page (cu. yds./tons):			

Twin 13

Profile Approval #493264N14



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BILL OF LADING Transport Log Sheet

DISP #13

Page _____ OF _____

Release Tracking Number

2 - 19520

I. LOAD INFORMATION: Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Load 1: Date of Shipment: 9-8-15 Truck/Tractor Registration: 90998		Date of Receipt: 9-8-15 Time of Receipt: <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM Load Size (cu. yds./tons):	
Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Load 2: Date of Shipment: 9-8-15 Truck/Tractor Registration: 90998		Date of Receipt: 9-8-15 Time of Receipt: <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM Load Size (cu. yds./tons):	
Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Load 3: Date of Shipment: Time of Shipment: <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM Truck/Tractor Registration: Trailer Registration (if any):		Date of Receipt: Time of Receipt: <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM Load Size (cu. yds./tons):	
Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Load 4: Date of Shipment: Time of Shipment: <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM Truck/Tractor Registration: Trailer Registration (if any):		Date of Receipt: Time of Receipt: <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM Load Size (cu. yds./tons):	
Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Load 5: Date of Shipment: Time of Shipment: <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM Truck/Tractor Registration: Trailer Registration (if any):		Date of Receipt: Time of Receipt: <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM Load Size (cu. yds./tons):	
Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Load 6: Date of Shipment: Time of Shipment: <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM Truck/Tractor Registration: Trailer Registration (if any):		Date of Receipt: Time of Receipt: <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM Load Size (cu. yds./tons):	
J. LOG SHEET VOLUME INFORMATION:		Total Volume Recorded This Page (cu. yds./tons) Total Carried Forward (cu. yds./tons): Total Carried Forward and This Page (cu. yds./tons):	

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Permit approval #493264NH



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

DSP

BILL OF LADING Transport Log Sheet

Release Tracking Number

Q - 19520

Page

OF

I. LOAD INFORMATION:		Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Load 1:					
Date of Shipment:	Time of Shipment:			Date of Receipt:	Time of Receipt:
9/8/15	6:00	<input checked="" type="checkbox"/> AM	<input type="checkbox"/> PM	9/8/15	<input type="checkbox"/> AM
Truck/Tractor Registration:	Trailer Registration (if any):			Load Size (cu. yds./tons):	
85157	2146334			985	
Load 2:		Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Date of Shipment:	Time of Shipment:			Date of Receipt:	Time of Receipt:
9/8/15	7:45	<input checked="" type="checkbox"/> AM	<input type="checkbox"/> PM	9/8/15	<input type="checkbox"/> AM
Truck/Tractor Registration:	Trailer Registration (if any):			Load Size (cu. yds./tons):	
85157	2146334			985	
Load 3:		Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Date of Shipment:	Time of Shipment:			Date of Receipt:	Time of Receipt:
		<input type="checkbox"/> AM	<input type="checkbox"/> PM		<input type="checkbox"/> AM
Truck/Tractor Registration:	Trailer Registration (if any):			Load Size (cu. yds./tons):	
Load 4:		Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Date of Shipment:	Time of Shipment:			Date of Receipt:	Time of Receipt:
		<input type="checkbox"/> AM	<input type="checkbox"/> PM		<input type="checkbox"/> AM
Truck/Tractor Registration:	Trailer Registration (if any):			Load Size (cu. yds./tons):	
Load 5:		Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Date of Shipment:	Time of Shipment:			Date of Receipt:	Time of Receipt:
		<input type="checkbox"/> AM	<input type="checkbox"/> PM		<input type="checkbox"/> AM
Truck/Tractor Registration:	Trailer Registration (if any):			Load Size (cu. yds./tons):	
Load 6:		Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Date of Shipment:	Time of Shipment:			Date of Receipt:	Time of Receipt:
		<input type="checkbox"/> AM	<input type="checkbox"/> PM		<input type="checkbox"/> AM
Truck/Tractor Registration:	Trailer Registration (if any):			Load Size (cu. yds./tons):	

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons)

Total Carried Forward (cu. yds./tons):

Total Carried Forward and This Page (cu. yds./tons):



Turnkey Landfill
30 Rochester Neck Rd
Rochester, NH, 03839
Ph: (603) 963-4776

Original
Ticket# 1025911

Customer Name JDERENZO J Derenzo Company
Ticket Date 09/01/2015
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest #
Destination
Generator NE-WORCESTERREGIONALTRANSIT W Operator Name eric metzler

Carrier GURRISSI DT
Vehicle# 4 Volume
Container
Driver
Check#
Billing # 0113489
Gen EPA ID NOT REQUIRED
PO
Profile 493264NH (CONTAMINATED SOIL (DISPO)

Time	Scale	Operator	Inbound	Gross	102220 lb
In 09/01/2015 08:04:3	scale 1 in Paula Bain			Tare	37840 lb
Out 09/01/2015 08:18:3	scale 2 ou eric metzler			Net	64380 lb
				Tons	32.19

Comments

Product	L.D%	Dty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil Met-Tons 100		32.19	Tons				MA
2 RCR-P-Regulatory C 100		%					MA
3 EVF-P-Standard Env 100		%					MA
4 LFS-LANDFILL FIXED 100		%					MA

Total Fees
Total Ticket

SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.
TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature





Turnkey Landfill
30 Rochester Neck Rd
Rochester, NH, 03839
Ph: (800) 963-4776

Original
Ticket# 1025918

Customer Name JDERENZO J Derenzo Company
Ticket Date 09/01/2015
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest *
Destination
Generator NE-WORCESTERREGIONALTRANSIT W Operator Name eric metzler

Carrier RED BARON RED BARON
Vehicle# 89 Volume
Container
Driver
Check#
Billing # 0113489
Gen EPA ID NOT REQUIRED
PO
Profile 493264NH (CONTAMINATED SOIL (DISPO

Time	Scale	Operator	Inbound	Gross	100420 lb
In 09/01/2015 08:26:0	scale 1 in Paula Bain		Tare	37640 lb	
Out 09/01/2015 08:41:4	scale 2 ou eric metzler		Net	62700 lb	
			Tons	31.39	31.39

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Cant Soil Met-Tons	100	31.39	Tons			MA
2	RCR-P-Regulatory C	100	%				MA
3	EVF-P-Standard Env	100	%				MA
4	LFS-LANDFILL FIXED	100	%				MA

Total Fees
Total Ticket

SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief. TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature





Turnkey Landfill
30 Rochester Neck Rd
Rochester, NH, 03839
Ph: (800) 963-4776

Original
Ticket# 1025923

Customer Name JDERENZO J Derenzo Company
Ticket Date 09/01/2015
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest #
Destination
Generator NE-WORCESTERREGIONALTRANSIT W Operator Name eric metzler

Carrier TWIN TRUCKING TWIN
Vehicle# 60 Volume
Container
Driver
Check#
Billing # 0113489
Gen EPA ID NOT REQUIRED
PO
Profile 493264MH (CONTAMINATED SOIL (DISPO

Time	Scale	Operator	Inbound	Gross	102340 lb
In 09/01/2015 08:41:0	scale 1 in Paula Bain		Tare	37240 lb	
Out 09/01/2015 08:57:3	scale 2 ou eric metzler		Net	65100 lb	
			Tons	32.55	

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil Met-Tons 100		32.55	Tons				MA
2 RCR-P-Regulatory C 100			%				MA
3 EVF-P-Standard Env 100			%				MA
4 LFS-LANDFILL FIXED 100			%				MA

Total Fees
Total Ticket

SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief. TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature



Turnkey Landfill
30 Rochester Neck Rd
Rochester, NH, 03839
Ph: (800) 963-4776

Original
Ticket# 1026929

Customer Name JDERENZO J Derenzo Company
Ticket Date 09/01/2015
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest *
Destination
Generator NE-WORCESTERREGIONALTRANSIT W Operator Name eric metzler

Carrier TWIN TRUCKING TWIN
Vehicle# 13 Volume
Container
Driver
Check#
Billing # 0113489
Gen EPA ID NOT REQUIRED
PO
Profile 493264NH (CONTAMINATED SOIL (DISPO)

Time	Scale	Operator	Inbound	Gross	lb
In 09/01/2015 08:51:2	scale 1 in Paula Bain			Tare	25400 lb
Out 09/01/2015 09:18:4	scale 2 ou eric metzler			Net	61440 lb
				Tons	30.72

Comments

Product	LD%	Dty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil Met-Tons 100		30.72	Tons				MA
2 RCR-P-Regulatory C 100			%				MA
3 EVF-P-Standard Env 100			%				MA
4 LFS-LANDFILL FIXED 100			%				MA

Total Fees
Total Ticket

SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief. TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature





Turnkey Landfill
30 Rochester Neck Rd
Rochester, NH, 03839
Ph: (800) 953-7776

Original
Ticket# 1025941

Customer Name JDERENZO J DeRenzo Company
Ticket Date 09/01/2015
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest #
Destination
Generator NE-WORCESTERREGIONALTRANSIT H Operator Name eric metzler

Carrier TWIN TRUCKING TWIN
Vehicle# 3 Volume
Container
Driver
Check#
Billing # 0113489
Gen EPA ID NOT REQUIRED
PO
Profile 493284NH (CONTAMINATED SOIL (DISPO

Time	Scale	Operator	Inbound	Gross	97720 lb
In 09/01/2015 09:03:3	scale 1 in Paula Bain			Tare	35600 lb
Out 09/01/2015 09:39:1	scale 2 ou eric metzler			Net	62120 lb
				Tons	31.06

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cent. Soi Met-Tons 100		31.06	Tons				MA
2 RCR-P-Regulatory C 100			%				MA
3 EVF-P-Standard Env 100			%				MA
4 LFS-LANDFILL FIXED 100			%				MA

Total Fees
Total Ticket

SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief. TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature





Turnkey Landfill
30 Rochester Neck Rd
Rochester, NH, 03839
Ph: (603) 953-4776

Original
Ticket# 1025949

Customer Name JDERENZO J DeRenzo Company
Ticket Date 09/01/2015
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest *
Destination
Generator NE-WORCESTERREGIONALTRANSIT W Operator Name eric metzler

Carrier RED BARON RED BARON
Vehicle# 8 Volume
Container
Driver
Check#
Billing # 0113489
Gen EPA ID NOT REQUIRED
PO
Profile 493264NH (CONTAMINATED SOIL (DISPO

Time	Scale	Operator	Inbound	Gross	lb
In 09/01/2015 09:13:11	scale 1 in Paula Bain			Tare	35420 lb
Out 09/01/2015 09:54:12	scale 2 ou eric metzler			Net	63300 lb
				Tons	31.65

Comments

Product	LDX	Dty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil Met-Tons 100		31.65	Tons				MA
2 RCR-P-Regulatory C 100		%					MA
3 EVF-P-Standard Env 100		%					MA
4 LFS-LANDFILL FIXED 100		%					MA

Total Fees
Total Ticket

SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.
TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature





Turnkey Landfill
30 Rochester Neck Rd
Rochester, NH, 03839
Ph: (800) 963-4776

Original
Ticket# 1026075

Customer Name JDERENZO J Derenzo Company
Ticket Date 09/01/2015
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest #
Destination
Generator NE-WORCESTERREGIONALTRANSIT W Operator Name eric metzler

Carrier GURRISI DT
Vehicle# 4 Volume
Container
Driver
Check#
Billing # 0113489
Gen EPA ID NOT REQUIRED
PU
Profile 493264NH (CONTAMINATED SOIL (DISPO

Time	Scale	Operator	Inbound	Gross	lb
In 09/01/2015 13:08:4	scale 1 in Paula Bain			Tare	37460 lb
Out 09/01/2015 13:33:2	scale 2 ou eric metzler			Net	61080 lb
				Tons	30.54

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil Met-Tons 100		30.54	Tons				MA
2 RCR-P-Regulatory C 100			%				MA
3 EVF-P-Standard Env 100			%				MA
4 LFS-LANDFILL FIXED 100			%				MA

Total Fee
Total Ticket

SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief. TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature





Turnkey Landfill
30 Rochester Neck Rd
Rochester, NH, 03869
Ph: (800) 963-4776

Original
Ticket# 1036078

Customer Name JDERI AZO J Darenzo Company
Ticket Date 09/01/2015

Carrier TWIN TRUCKING TWIN
Vehicle# 60 Volume

Payment Type Credit Account

Container

Manual Ticket#

Driver

Hauling Ticket#

Check#

Route

Billing # 0113489

State Waste Code

Gen EPA ID NOT REQUIRED

Manifest *

PO

Destination

Profile 493264NH (CONTAMINATED SOIL (DISPO

Generator NE-WORCESTERREGIONALTRANSIT II Operator Name eric metzler

Time	Scale	Operator	Inbound	Gross	102620 1b
in 09/01/2015 13:13:2	scale 1 in Paula Bain		Tare	36940	1b
out 09/01/2015 13:54:2	scale 2 ou eric metzler		Net	65680	1b
			Tons	32.84	

Comments:

Product	LBS	Qty	UOM	Rate	Fee	Amount	Origin
1. Cont. Soil Met-Tons 100	32.84	1	Tons				MA
2. RCR-P-Regulatory C 100		%					MA
3. EVF-P-Standard Env 100		%					MA
4. LFS-LANDFILL FIXED 100		%					MA

Total Fees
Total Ticket

SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief, TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature





Turnkey Landfill
30 Rochester Neck Rd
Rochester, NH, 03869
Ph: (800) 963-4776

Original
Ticket# 1026093

Customer Name JDERENZO J Derenzo Company
Ticket Date 09/01/2015
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest #
Destination
Generator NE-WORCESTERREGIONALTRANSIT W Operator Name eric metzler

Carrier RED BARON RED BARON
Vehicle# 89 Volume
Container
Driver
Check#
Billing # 0113469
Gen EPA ID NOT REQUIRED
PO
Profile 493264NH (CONTAMINATED SOIL (DISPO)

Time	Scale	Operator	Inbound	Gross	100800 lb
In 09/01/2015 13:39:0	scale 1 in Paula Bain			Tare	37180 lb
Out 09/01/2015 13:59:4	scale 2 ou eric metzler			Net	63620 lb
				Tons	31.81

Comments

Product	LDX	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil Met-Tons	100	31.81	Tons				MA
2 RCA-P-Regulatory C	100		%				MA
3 EVF-P-Standard Env	100		%				MA
4 LFS-LANDFILL FIXED	100		%				MA

Total Fees
Total Ticket

SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief. TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature



Turnkey Landfill
30 Rochester Neck Rd
Rochester, NH, 03839
Ph: (800) 963-4776

Original
Ticket# 1026098

Customer Name JDERENZO J Darenco Company
Ticket Date 09/01/2015
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest *
Destination
Generator NE-WORCESTERREGIONALTRANSIT W

Carrier TWIN TRUCKING TWIN
Vehicle# 13 Volume
Container
Driver
Check#
Billing # 0113489
Gen EPA ID NOT REQUIRED
PO
Profile 493264NH (CONTAMINATED SOIL (DISPO
Operator Name eric metzler

Time	Scale	Operator	Inbound	Gross	100240 lb
In 09/01/2015 13:47:4	scale 1 in Paula Bain		Tare	35000	lb
Out 09/01/2015 14:24:5	scale 2 ou eric metzler		Net	65160	lb
			Tons	32.58	

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil Met-Tons 100		32.58	Tons				MA
2 RCR-P-Regulatory C 100		%					MA
3 EVF-P-Standard Env 100		%					MA
4 LFS-LANDFILL FIXED 100		%					MA

Total Fees
Total Ticket

SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief. TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature





Turnkey Landfill
30 Rochester Neck Rd
Rochester, NH, 03839
Ph: (800) 963-4776

Original
Ticket# 1026104

Customer Name JDGERENZO J Derenzo Company
Ticket Date 09/01/2015
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest #
Destination
Generator NE-WORCESTERREGIONALTRANSIT W

Carrier TWIN TRUCKING TWIN
Vehicle# 3 Volume
Container
Driver
Check#
Billing # 0113489
Gen EPA ID NOT REQUIRED
PO
Profile 493264NH (CONTAMINATED SOIL (DISPO
Operator Name eric metzler

Time	Scale	Operator	Inbound	Gross	100320 lb
In 09/01/2015 14:01:1	scale 1 in Paula Bain			Tare	35260 lb
Out 09/01/2015 14:36:0	scale 2 ou eric metzler			Net	65060 lb
				Tons	32.53

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil Met-Tons 100		32.53	Tons				MA
2 RCR-P-Regulatory C 100			%				MA
3 EVF-P-Standard Env 100			%				MA
4 LFS-LANDFILL FIXED 100			%				MA

Total Fees
Total Ticket

SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief. TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature



Turnkey Landfill
30 Rochester Neck Rd
Rochester, NH, 03839
Ph: (800) 563-4776

Original
Ticket# 1036126

Customer Name JDERENZO J Derenzo Company
Ticket Date 09/01/2015
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest #
Destination
Generator NE-WORCESTERREGIONALTRANSIT W

Carrier RED BARON RED BARON
Vehicle# 8 Volume
Container
Driver
Check#
Billing # 0113489
Gen EPA ID NOT REQUIRED
PO
Profile 493264NH (CONTAMINATED SOIL (DISPO
Operator Name eric metzler

Time	Scale	Operator	Inbound	Gross	1b
in 09/01/2015 14:27:1	scale 1 in	Paula Bain		Tare	35720 1b
Out 09/01/2015 15:00:3	scales 2 ou	eric metzler		Net	61980 1b
				Tons	30.99

Comments

Product	LD%	Cty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil Mat-Tons	100	30.99	Tons				MA
2 RCR-P-Regulatory C	100	%					MA
3 EVF-P-Standard Env	100	%					MA
4 LFS-LANDFILL FIXED	100	%					MA

Total Fees
Total Ticket

SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief. TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature



Turnkey Landfill
30 Rochester Neck Rd
Rochester, NH, 03839
Ph: (800) 963-4776

Original
Ticket# 1026270

Customer Name JOERENZO J D'erenzo Company
Ticket Date 09/02/2015
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest #
Destination
Generator NE-WORCESTERREGIONALTRANSIT W Operator Name eric metzler

Carrier RED BARON RED BARON
Vehicle# 89 Volume
Container
Driver
Check#
Billing # 0113489
Gen EPA ID NOT REQUIRED
PO
Profile 493284NH (CONTAMINATED SOIL (DISPO

Time	Scale	Operator	Inbound	Gross	lb
In 09/02/2015 08:11:4	scale 1 in Paula Bain			Tare	37600 lb
Out 09/02/2015 08:41:4	scale 2 ou eric metzler			Net	60980 lb
				Tons	30.49

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil Met-Tons	100	30.49	Tons				MA
2 RCR-P-Regulatory C	100		%				MA
3 EVF-P-Standard Env	100		%				MA
4 LFS-LANDFILL FIXED	100		%				MA

Total Fees
Total Ticket

SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief. TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature





Turnkey Landfill
30 Rochester Neck Rd.
Rochester, NH, 03839
Ph: (800) 963-4775

Original
Ticket# 1025272

Customer Name JDERENZO J Derenzo Company
Ticket Date 09/02/2015
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest #
Destination
Generator NE-WORCESTERREGIONALTRANSIT II Operator Name eric metzler

Carrier MTC MTC
Vehicle# 17 Volume
Container
Driver
Check#
Billing # 10113489
Gen EPA ID NOT REQUIRED
PO
Profile 493264NH (CONTAMINATED SOIL (DISP)

Time	Scale	Operator	Inbound	Gross	104280 lb
In 09/02/2015 08:18:1 scale 1 in Paula Bain				Tare	35500 lb
Out 09/02/2015 08:55:0 scale 2 ou eric metzler				Net	68780 lb
				Tons	34.39

Comments

Product	LDX	Oty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil Met-Tons 100		34.39	Tons				MA
2 RCR-P-Regulatory C 100		%					MA
3 EVF-P-Standard Env 100		%					MA
4 LFS-LANDFILL FIXED 100		%					MA

Total Fees
Total Ticket

SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief. TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature





Turnkey Landfill
30 Rochester Neck Rd
Rochester, NH, 03839
Ph: (800) 963-4775

Original
Ticket# 1026275

Customer Name JDERENZO J Derenzo Company
Ticket Date 09/02/2015
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest #
Destination
Generator NE-WORCESTERREGIONALTRANSIT W Operator Name eric metzler

Carrier MTC MTC
Vehicle# 15 Volume
Container
Driver
Check#
Billing # 0113409
Gen EPA ID NOT REQUIRED
PO
Profile 493264NH CONTAMINATED SOIL (DISPO)

Time	Scale	Operator	Inbound	Gross	lb
In 09/02/2015 08:27:2	scale 1 in Paula Bain			Tare	35640 lb
Out 09/02/2015 08:52:1	scale 2 ou eric metzler			Net	54720 lb
				Tons	32.36

Comments

Product	LD%	Dfy	UOM	Rate	Fee	Amount	Origin
1 Cont Soil Met-Tons 100		32.36	Tons				MA
2 RCR-P-Regulatory C 100		%					MA
3 EVF-P-Standard Env 100		%					MA
4 LFS-LANDFILL FIXED 100		%					MA

Total Fees
Total Ticket

SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that
the information provided is true and correct to the best of my knowledge and belief.
TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature



Turnkey Landfill
30 Rochester Neck Rd
Rochester, NH, 03839
Ph: (800) 963-4776

Original
Ticket# 1026278

Customer Name JOERENZO J Derenzo Company
Ticket Date 09/02/2015
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest #
Destination
Generator NE-WORCESTERREGIONALTRANSIT W Operator Name eric metzler

Carrier GURRISSI DT
Vehicle# 4 Volume
Container
Driver
Check#
Billing # 0113489
Gen EPA ID NOT REQUIRED
PO
Profile 493264NH (CONTAMINATED SOIL (DISPO

Time	Scale	Operator	Inbound	Gross	99940 lb
In 09/02/2015 08:32:4	scale 1 in Paula Bain			Tare	37760 lb
Out 09/02/2015 09:02:0	scale 2 ou eric metzler			Net	62180 lb
				Tons	31.09

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil Mat-Tons 100		31.09	Tons				MA
2 RCR-P-Regulatory C 100			%				MA
3 EVF-P-Standard Env 100			%				MA
4 LFS-LANDFILL FIXED 100			%				MA

Total Fees
Total Ticket

SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief. TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature



Turnkey Landfill
30 Rochester Neck Rd
Rochester, NH, 03839
Ph: (800) 963-4776

Original
Ticket# 1026284

Customer Name JDERENZO J Derenzo Company
Ticket Date 09/02/2015
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest *
Destination
Generator NE-WORCESTERREGIONALTRANSIT W Operator Name eric metzler

Carrier TWIN TRUCKING TWIN
Vehicle# 60 Volume
Container
Driver
Check#
Billing # 0113489
Gen EPA ID NOT REQUIRED
PO
Profile 493264NM (CONTAMINATED SOIL, (DISPO

Time	Scale	Operator	Inbound	Gross	99780 lb
In 09/02/2015 08:54:1	scale 1 in Paula Bain		Tare	37160 lb	
Out 09/02/2015 09:27:0	scale 2 ou eric metzler		Net	62620 lb	
			Tons	31.31	

Comments:

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil Met-Tons 100		31.31	Tons				MA
2 RCR-P-Regulatory C 100			%				MA
3 EVF-P-Standard Env 100			%				MA
4 LFS-LANDFILL FIXED 100			%				MA

Total Fees
Total Ticket

SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that
the information provided is true and correct to the best of my knowledge and belief.
TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature





Turnkey Landfill
30 Rochester Neck Rd
Rochester, NH 03839
Ph: (800) 963-4776

Original
Ticket# 1026288

Customer Name JDERENZO J Derenzo Company
Ticket Date 09/02/2015
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest #
Destination
Generator NE-WORCESTERREGIONALTRANSIT W Operator Name eric metzler

Carrier TWIN TRUCKING TWIN
Vehicle# 13 Volume
Container
Driver
Check#
Billing # 0113489
Gen EPA ID NOT REQUIRED
PO
Profile 493864NH (CONTAMINATED SOIL (DISPO)

Time	Scale	Operator	Inbound	Gross	102120 lb
In 09/02/2015 09:07:0	scale 1 in Paula Bain			Tare	35380 lb
Out 09/02/2015 09:59:3	scale 2 ou eric metzler			Net	66740 lb
				Tons	33.37

Comments:

Product	Lbx	Gty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil Met-Tons 100		33.37	Tons				MA
2 RCR-P-Regulatory C 100			%				MA
3 EVF-P-Standard Env 100			%				MA
4 LFS-LANDFILL FIXED 100			\$				MA

Total Fees
Total Ticket

SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief. TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature



Turnkey Landfill
30 Rochester Neck Rd
Rochester, NH, 03839
Ph: (800) 963-4776

Original
Ticket# 1026303

Customer Name JDERENZO J Derenzo Company
Ticket Date 09/02/2015
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest *
Destination
Generator NE-WORCESTERREGIONALTRANSIT W Operator Name eric metzler

Carrier RED BARON RED BARON
Vehicle# 8 Volume
Container
Driver
Check#
Billing # 0113489
Gen EPA ID NOT REQUIRED
PO
Profile 493264NH (CONTAMINATED SOIL (DISPO)

Time	Scale	Operator	Inbound	Gross	lb
In 09/02/2015 09:26:1	scale 1 in Paula Bain			Tare	35260 lb
Out 09/02/2015 09:49:1	scale 2 ou eric metzler			Net	63220 lb
				Tons	31.61

Comments

Product	LDX	Oty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil Met-Tons 100		31.61	Tons				MA
2 RCR-P-Regulatory C 100			%				MA
3 EVF-P-Standard Env 100			%				MA
4 LFS-LANDFILL FIXED 100			%				MA

Total Fees
Total Ticket

SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that
the information provided is true and correct to the best of my knowledge and belief.
TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature



Turnkey Landfill
30 Rochester Neck Rd
Rochester, NH, 93839
Ph: (800) 963-4776

Original
Ticket# 1026310

Customer Name JDERENZO J Derenzo Company
Ticket Date 09/02/2015
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest *

Carrier TWIN TRUCKING TWIN
Vehicle# 3 Volume
Container
Driver
Check#
Billing # 0113489
Gen EPA ID NOT REQUIRED
PO
Profile 49325ANH (CONTAMINATED SOIL (DISPO
Operator Name eric metzler

Time	Scale	Operator	Inbound	Gross	lb
In 09/02/2015 09:37:2 scale 1 in Paula Bain				93080	lb
Out 09/02/2015 10:05:5 scale 2 ou eric metzler				35300	lb
				Net	57780 lb
				Tone	88.89

Comments

Product	L.D%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont. Soil Met-Tone 100		28.09	Tons				MA
2 RCR-P-Regulatory C 100			%				MA
3 EVF-P-Standard Env 100			%				MA
4 LFS-LANDFILL FIXED 100			%				MA

Total Fees
Total Ticket

SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that
the information provided is true and correct to the best of my knowledge and belief.
TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

River's Signature



Turnkey Landfill
30 Rochester Neck Rd
Rochester, NH, 03879
Ph: (800) 963-4776

Original
Ticket# 1026313

Customer Name JDERENZO J Derenzo Company
Ticket Date 09/02/2015
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest #
Destination
Generator NE-WORCESTERREGIONALTRANSIT W Operator Name eric metzler

Carrier RED BARON RED BARON
Vehicle# 92 Volume
Container
Driver
Check#
Billing # 0113489
Gen EPA ID NOT REQUIRED
PO
Profile 493264NH (CONTAMINATED SOIL (DISPO)

Time Scale Operator
In 09/02/2015 09:39:3 scale 1 in Paula Bain
Out 09/02/2015 10:10:3 scale 2 ou eric metzler

Inbound Gross 95540 lb
Tare 35660 lb
Net 60880 lb
Tons 30.44

Comments:

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil Met-Tons 100		30.44	Tons				MA
2 RCR-P-Regulatory C 100			%				MA
3 EVF-P-Standard Env 100			%				MA
4 LFS-LANDFILL FIXED 100			%				MA

Total Fees
Total Ticket

SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief. TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature



Turnkey Landfill
38 Rochester Neck Rd
Rochester, NH, 03839
Ph: (800) 963-4776

Original
Ticket# 1026323

Customer Name JDERENZO J Derenzo Company
Ticket Date 09/02/2015
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest #
Destination
Generator NE-WORCESTERREGIONALTRANSIT W Operator Name eric metzler

Carrier SURRISE DT
Vehicle# 8 Volume
Container
Driver
Check#
Billing # 0113489
Gen EPA ID NOT REQUIRED
PO
Profile 493264NH (CONTAMINATED SOIL (DISPO)

Time	Scale	Operator	Inbound	Gross	lb
In 09/02/2015 09:50:1	scale 1 in Paula Bain		Tare	38920	lb
Out 09/02/2015 10:21:0	scale 2 ou eric metzler		Net	60900	lb
			Tons	30.45	

Comments

Product	LDN	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil Met-Tons 100		30.45	Tons				MA
2 RCR-P-Regulatory C 100			%				MA
3 EVF-P-Standard Env 100			%				MA
4 LFS-LANDFILL FIXED 100			%				MA

Total Fee
Total Ticket

SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief, TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature



Turnkey Landfill
30 Rochester Neck Rd.
Rochester, NY 14690
Ph: (800) 963-4776

Original
Ticket# 1026409

Customer Name JDBRENZO J Derenzo Company
Ticket Date 09/02/2015
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest *
Destination
Generator NE-WORCESTERREGIONALTRANSIT W Operator Name eric metzler

Carrier GURRIST DT
Vehicle# 4 Volume
Container
Driver
Check#
Billing # 0113489
Gen EPA ID NOT REQUIRED
PO
Profile 493264NH (CONTAMINATED SOIL (DISPO
Operator Name eric metzler

Time	Scale	Operator	Inbound	Gross	lb
In 09/02/2015 12:54:2	scale 1	in Paula Bain		Tare	37400 lb
Out 09/02/2015 13:15:2	scale 2	ou eric metzler		Net	62200 lb
				Tons	31.10

Comments

Product	EDX	Dty	UOM	Rate	Fee	Amount	Origin
1 Cont. Soil Mat-Tons	120	31.10	Tons				MA
2 RCR-P-Regulatory C	100		%				MA
3 EVF-P-Standard Env	100		%				MA
4 LFS-LANDFILL FIXED	100		%				MA

Total Fees
Total Ticket

SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief. TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature





Turnkey Landfill
30 Rochester Neck Rd
Rochester, NH, 03839
Ph: (800) 963-4776

Original
Ticket# 1026419

Customer Name JDERENZO J Derenzo Company
Ticket Date 09/02/2015
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest #
Destination
Generator NE-WORCESTERREGIONALTRANSIT W Operator Name eric metzler

Carrier MTC MTC
Vehicle# 15 Volume
Container
Driver
Check#
Billing # 0113489
Gen EPA ID NOT REQUIRED
PO
Profile 493264NH (CONTAMINATED SOIL (DISPO

Time	Scale	Operator	Inbound	Gross	99660 lb
In 09/02/2015 13:11:4	scale 1 in Paula Bain		Tare	35320 lb	
Out 09/02/2015 13:40:5	scale 2 ou eric metzler		Net	64340 lb	
			Tons	32.17	

Comments:

Product	LD%	Rty	UDM	Rate	Fee	Amount	Origin
1 Cont Soil Met-Tons 100		32.17	Tons				MA
2 RCR-P-Regulatory C 100			%				MA
3 EVF-P-Standard Env 100			%				MA
4 LFS-LANDFILL FIXED 100			%				MA

Total Fees
Total Ticket

SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief, TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature



Turnkey Landfill
30 Rochester Neck Rd
Rochester, NY, 14690
Ph: (800) 963-4776

Original
Ticket# 1026434

Customer Name JDERENZO J DeRenzo Company
Ticket Date 09/02/2015
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest #
Destination
Generator NE-WORCESTERREGIONALTRANSIT W Operator Name eric metzler

Carrier TWIN TRUCKING TWIN
Vehicle# 60 Volume
Container
Driver
Check#
Billing # 0113489
Gen EPA ID NOT REQUIRED
PO
Profile 493264NH (CONTAMINATED SOIL (DISPO)

Time	Scale	Operator	Inbound	Gross	102700 lb
In 09/02/2015 13:33:1	scale 1 in Paula Bain			Tare	36040 lb
Out 09/02/2015 14:14:4	scale 2 ou eric metzler			Net	65860 lb
				Tons	32.93

Comments

Product	LB%	Dty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil Mat-Tons 100		32.93	Tons				MA
2 RCR-P-Regulatory C 100		%					MA
3 EVF-P-Standard Env 100		%					MA
4 LFS-LANDFILL FIXED 100		%					MA

Total Fees
Total Ticket

SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief, TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature



Turnkey Landfill
30 Rochester Neck Rd
Rochester, NH, 03839
Ph: (603) 963-4776

Original
Ticket# 1026435

Customer Name JDERENZO J Derenzo Company
Ticket Date 09/02/2015
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest #
Destination
Generator NE-WORCESTERREGIONALTRANSIT W Operator Name eric metzler

Carrier RED BARON RED BARON
Vehicle# 89 Volume
Container
Driver
Check#
Billing # 0113499
Gen EPA ID NOT REQUIRED
PO
Profile 493264NH (CONTAMINATED SOIL (DISPO

Time	Scale	Operator	Inbound	Gross	100040 lb
In 09/02/2015 13:39:3 scale 1 in Paula Bain				Tare	37120 lb
Out 09/02/2015 14:10:5 scale 2 ou eric metzler				Net	62820 lb
				Tons	31.46

Comments:

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil Mat-Tons 100		31.46	Tons				MA
2 RCR-P-Regulatory C 100			%				MA
3 EVF-P-Standard Env 100			%				MA
4 LFS-LANDFILL FIXED 100			%				MA

Total Fees
Total Ticket

SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that
the information provided is true and correct to the best of my knowledge and belief.
TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature



Turnkey Landfill
30 Rochester Neck Rd
Rochester, NH, 03839
Ph: (800) 963-4776

Original
Ticket# 1026461

Customer Name JDERENZO J Derenzo Company
Ticket Date 09/02/2015
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest *

Carrier TWIN TRUCKING TWIN
Vehicle# 13 Volume
Container
Driver
Check#
Billing # 8113489
Gen EPA ID NOT REQUIRED
PO
Profile 493264NH (CONTAMINATED SOIL (DISPO
W Operator Name eric metzler

Time	Scale	Operator	Inbound	Gross	104140 lb
In	09/02/2015 14:10:11	scale 1 in Paula Bain	Tare	35080 lb	
Out	09/02/2015 14:46:5	scale 2 ou eric metzler	Net	69120 lb	
			Tons	34.56	

Comments:

Product	LBS	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil Met-Tons 100		34.56	Tons				MA
2 RCR-P-Regulatory C 100		%					MA
3 EVF-P-Standard Env 100		%					MA
4 LFS-LANDFILL FIXED 100		%					MA

Total Fees
Total Ticket

SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that
the information provided is true and correct to the best of my knowledge and belief.
TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature



Turnkey Landfill
30 Rochester Neck Rd
Rochester, NH, 03862
Ph: (800) 963-4776

Original
Ticket# 1026472

Customer Name JDBRENZO J Derenzo Company
Ticket Date 09/02/2015
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest *

Carrier TWIN TRUCKING TWIN
Vehicle# 3 Volume
Container
Driver
Check#
Billing # 0113489
Gen EPA ID NOT REQUIRED
PO
Profile 493264NH (CONTAMINATED SOIL (DISPO)
Generator NE-WORCESTERREGIONALTRANSIT W Operator Name eric metzler

Time	Scale	Operator	Inbound	Gross	16
In: 09/02/2015 14:19:0	scale 1 in Paula Bain		Tare	35040	lb
Out 09/02/2015 14:57:3	scale 2 ou eric metzler		Net	61820	lb
			Tons	30.91	

Comments

Product	LD%	Rty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil Met-Tons 100		30.91	Tons				MA
2 RCR-P-Regulatory C 100			%				MA
3 EVF-P-Standard Env 100			%				MA
4 LFS-LANDFILL FIXED 100			%				MA

Total Fees
Total Ticket

SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.
TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature





Turnkey Landfill
30 Rochester Neck Rd.
Rochester, NH, 03879
Ph: (800) 963-4776

Original
Ticket# 1026473

Customer Name JDERENZO J Derenzo Company
Ticket Date 09/02/2015
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest #
Destination
Generator NE-WORCESTERREGIONALTRANSIT W Operator Name eric metzler

Carrier MTC NTC
Vehicle# 17
Container
Driver
Check#
Billing # 0113489
Gen EPA ID NOT REQUIRED
PO
Profile 493264NH (CONTAMINATED SOIL (DISPO

Time	Scale	Operator	Inbound	Gross	lb
In 09/02/2015 14:20:1	scale 1 in Paula Bain			96940	lb
Out 09/02/2015 15:01:5	scale 2 on eric metzler			35180	lb
				61760	lb
				30.88	

Comments

Product	LD%	Qty	UDM	Rate	Fee	Account	Origin
1 Cont Soil Net-Tons 100		30.88	Tons				MA
2 RCR-P-Regulatory C 100			%				MA
3 EVF-P-Standard Env 100			%				MA
4 LFS-LANDFILL FIXED 100			%				MA

Total Fees
Total Ticket

SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief, TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature





Turnkey Landfill
30 Rochester Neck Rd
Rochester, NH, 03889
Ph: (800) 963-4776

Original
Ticket# 1026476

Customer Name JDERENZO J Derenzo Company
Ticket Date 09/02/2015
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest *
Destination
Generator NE-WORCESTERREGIONALTRANSIT W Operator Name eric metzler

Carrier RED BARON RED BARON
Vehicle# 92 Volume
Container
Driver
Check#
Billing # 0113489
Gen EPA ID NOT REQUIRED
PO
Profile 493264NH (CONTAMINATED SOIL (DISPO)

Time	Scale	Operator	Inbound	Gross	lb
In 09/02/2015 14:24:1	scale 1 in Paula Bain			Tare	35380 lb
Out 09/02/2015 15:10:0	scale 2 ou eric metzler			Net	54460 lb
				Tons	32.23

Comments

Product	LDN	Oty	UDM	Rate	Fee	Amount	Origin
1 Cont Soil Met-Tons 100		32.23	Tons				MA
2 RCR-P-Regulatory C 100			%				MA
3 EVF-P-Standard Env 100			%				MA
4 LFS-LANDFILL FIXED 100			%				MA

Total Fees
Total Ticket

SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief. TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature



Turnkey Landfill
30 Rochester Neck Rd
Rochester, NH, 03839
Ph: (800) 963-4776

Original
Ticket# 1026483

Customer Name JDERENZO J Derenzo Company
Ticket Date 09/02/2015
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest *
Destination
Generator NE-WORCESTERREGIONALTRANSIT W Operator Name eric metzler

Carrier GURRIBI DT
Vehicle# 8 Volume
Container
Driver
Check#
Billing # 0113489
Gen EPA ID NOT REQUIRED
PO
Profile 493264NH (CONTAMINATED SOIL (DISPO

Time	Scale	Operator	Inbound	Gross	104100 lb
In 09/02/2015 14:35:2 scale 1 in Paula Bain				Tare	38520 lb
Out 09/02/2015 15:18:0 scale 2 ou eric metzler				Net	65580 lb
				Tons	32.79

Comments

Product	LD#	Amt	UOM	Rate	Fee	Amount	Origin
1 Cont Soil Met-Tons 100	32.79	Tons					MA
2 RCR-P-Regulatory C 100		%					MA
3 EVF-P-Standard Env 100		%					MA
4 LFS-LANDFILL FIXED 100		%					MA

Total Fees
Total Ticket

SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief. TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature



Turnkey Landfill
30 Rochester Neck Rd
Rochester, NY 14693
Ph: (800) 963-4776

Original
Ticket# 1026616

Customer Name JDERENZO J Derenzo Company
Ticket Date 09/03/2015
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest #
Destination
Generator NE-WORCESTERREGIONALTRANSIT W Operator Name eric metzler

Carrier GURRISE DT
Vehicle# 4 Volume
Container
Driver
Check#
Billing # 0113489
Gen EPA ID NOT REQUIRED
PO
Profile 493264NH (CONTAMINATED SOIL (DISPO
Operator Name eric metzler

Time	Scale	Operator	Inbound	Gross	98000 lb
In	09/03/2015 08:10:4	scale 1 in Paula Bain	Tare	37080 lb	
Out	09/03/2015 08:35:0	scale 2 ou eric metzler	Net	60120 lb	
			Tons	30.06	

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil Net-Tons 100		30.06	Tons				MA
2 RCR-P-Regulatory C 100		%					MA
3 EVF-P-Standard Env 100		%					MA
4 LFS-LANDFILL FIXED 100		%					MA

Total Fees
Total Ticket

SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that
the information provided is true and correct to the best of my knowledge and belief.
TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature



Turnkey Landfill
30 Rochester Neck Rd
Rochester, NH, 03839
Ph: (800) 963-4776

Original
Ticket# 1026624

Customer Name JDERENZO J Derenzo Company
Ticket Date 09/03/2015
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest *

Carrier RED BARON RED BARON
Vehicle# 89 Volume
Container
Driver
Check#
Billing # 0113499
Gen EPA ID NOT REQUIRED
PO
Profile 493264NH (CONTAMINATED SOIL (DISPO
Generator NE-WORCESTERREGIONALTRANSIT W Operator Name eric metzler

Time	Scale	Operator	Inbound	Gross	100640 lb
In 09/03/2015 08:31:2	scale 1 in Paula Bain			Tare	37420 lb
Out 09/03/2015 08:47:3	scale 2 ou eric metzler			Net	63220 lb
				Tons	31.61

Comments:

Product	LDK	Dty	UDM	Rate	Fee	Amount	Origin
1 Cont Soil Met-Tons 100		31.61	Tons				MA
2 RCR-P-Regulatory C 100		%					MA
3 EVF-P-Standard Eny 100		%					MA
4 LFS-LANDFILL FIXED 100		%					MA

Total Fees
Total Ticket

SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief. TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature





Turnkey Landfill
30 Rochester Neck Rd
Rochester, NH 03839
Ph: (800) 963-4776

Original
Ticket# 1026629

Customer Name JDERENZO J Derenzo Company
Ticket Date 09/03/2015
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest *

Carrier TWIN TRUCKING TWIN
Vehicle# 13 Volume
Container
Driver
Check#
Billing # 0113489
Gen EPA ID NOT REQUIRED
PO
Profile 493264NH (CONTAMINATED SOIL (DISPO
Generator NE-WORCESTERREGIONALTRANSIT W Operator Name eric metzler

Time	Scale	Operator	Inbound	Gross	106500 lb
In 09/03/2015 08:42:11	scale 1 in Paula Bain			Tare	35400 lb
Out 09/03/2015 09:17:15	scale 2 on eric metzler			Net	71100 lb
				Tons	35.55

Comments

Product	EDX	Bty	UOM	Rate	Fee	Amount	Origin
1	Cont Soil Mat-Tons	100	Tons				NA
2	RCH-P-Regulatory C	100	%				NA
3	EVP-P-Standard Env	100	%				NA
4	LFS-LANDFILL FIXED	100	%				NA

Total Fees
Total Ticket

SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief. TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature





Turnkey Landfill
30 Rochester Neck Rd.
Rochester, NH, 03863
Ph: (603) 963-4776

Original
Ticket# 1026637

Customer Name JDERENZO J DeRenzo Company
Ticket Date 09/03/2015
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest *

Carrier RED BARON RED BARON
Vehicle# 92 Volume
Container
Driver
Check#
Billing # 0113489
Gen EPA ID NOT REQUIRED
PO
Profile 493264NM (CONTAMINATED SOIL (DISPO
Generator NE-WORCESTERREGIONALTRANSIT W Operator Name eric metzler

Time	Scale	Operator	Inbound	Gross	101180 lb
In	09/03/2015 08:53:4	scale 1 in Paula Bain	Tare	35820 lb	
Out	09/03/2015 09:12:1	scale 2 ou eric metzler	Net	65360 lb	
			Tons	32.68	

Components

Product	LDN	Qty	UOM	Rate	Fee	Amount	Origin
1	Cont. Soil Met-Tons	100	Tons				MA
2	RCR-P-Regulatory C	100	%				MA
3	EVF-P-Standard Env	100	%				MA
4	LFS-LANDFILL FIXED	100	%				MA

Total Fees
Total Ticket

SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief. TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature





Turnkey Landfill
30 Rochester Neck Rd
Rochester, NH 03839
Ph: (800) 963-4776

Original
Ticket# 1026773

Customer Name JDERENZO J Derenzo Company
Ticket Date 09/03/2015
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest #
Destination
Generator NE-WORCESTERREGIONALTRANSIT W Operator Name eric metzler

Carrier RED BARON RED BARON
Vehicle# 92 Volume
Container
Driver
Check#
Billing # 0113489
Gen EPA ID NOT REQUIRED
PO
Profile 493264NH (CONTAMINATED SOIL /DISPO

Time	Scale	Operator	Inbound	Gross	lb
In 09/03/2015 13:11:0	scale 1 in Paula Bain			Tare	35489 lb
Out 09/03/2015 13:37:3	scale 2 to eric metzler			Net	61660 lb
				Tons	35.63

Comments

Product	UDX	Qty	Unit	Rate	Fee	Amount	Origin
1 Cont Soil Net-Tons	100	30.83	Tons				MA
2 RCR-P-Regulatory C	100		%				MA
3 EYP-P-Standard Env	100		%				MA
4 LFS-LANDFILL FIXED	100		%				MA

Total Fees
Total Ticket

SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief. TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature





Turnkey Landfill
30 Rochester Neck Rd
Rochester, NH 03839
Ph: (800) 963-4776

Original
Ticket# 1026781

Customer Name JOERENZO J Derenzo Company
Ticket Date 09/03/2015
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest #
Destination
Generator NE-WORCESTERREGIONALTRANSIT W Operator Name eric metzler

Carrier GURRIST DT
Vehicle# 4 Volume
Container
Driver
Check#
Billing # 0113489
Gen EPA ID NOT REQUIRED
PO
Profile 493264NH (CONTAMINATED SOIL (DISPO

Time	Scale	Operator	Inbound	Gross	102060 lb
In 09/03/2015 13:28:15	scale 1 in Paula Bain			Tare	17400 lb
Out 09/03/2015 13:55:12	scale 2 ou eric metzler			Net	64660 lb
				Tons	32.33

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cent Soil Net-Tons 100		32.33	Tons				MA
2 PCR-P-Regulatory C 100			%				
3 EVF-P-Standard Env 100			%				
4 LFS-LANDFILL FIXED 100			%				

Total Fees
Total Ticket

SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief, TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature





Turnkey Landfill
30 Rochester Neck Rd
Rochester, NH, 03839
Ph: (800) 983-4776

Original
Ticket# 1026787

Customer Name: DERENZO J Derenzo Company
Ticket Date: 09/03/2015
Payment Type: Credit Account
Manual Ticket#
Hauling Tickets:
Route:
State Waste Code:
Manifest #:
Destination:
Generator: NE-WORCESTERREGIONALTRANSIT W Operator Name: eric metzler

Carrier: TWIN TRUCKING TWIN
Vehicle# 13 Volume:
Container:
Driver:
Check#:
Billing #: 0113409
Gen EPA ID: NOT REQUIRED
PO:
Profile: 493264NH /CONTAMINATED SOIL (DISPO)

Time	Scale	Operator	Inbound	Gross	101540 lb
In 09/03/2015 13:38:2	scale 1 in Paula Bain			Tare	35060 lb
Out 09/03/2015 14:18:2	scale 2 ou eric metzler			Net	66480 lb
				Tons	33.24

Comments:

Product	LD#	Qty	UDM	Rate	Fee	Amount	Origin
1 Cont Soil Mat-Tons	100	33.24	Tons				MA
2 RCR-P-Regulatory C	100	%					MA
3 EVF-P-Standard Env	100	%					MA
4 LFS-LANDFILL FIXED	100	%					MA

Total Fees
Total Ticket

SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief. TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature



Turnkey Landfill
30 Rochester Neck Rd
Rochester, NH, 03839
Ph: (800) 963-4776

Original
Ticket# 1026811

Customer Name, JDERENZO J Darenzo Company
Ticket Date 09/03/2015
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest #
Destination
Generator NE-WORCESTERREGIONALTRANSIT H Operator Name eric metzler

Carrier RED BARON RED BARON
Vehicle# 89 Volume
Container
Driver
Check#
Billing # 0113489
Gen EPA ID NOT REQUIRED
PO
Profile 493264NH (CONTAMINATED SOIL (DISPO

Time	Scale	Operator	Inbound	Gross	lb
In 09/03/2015 14:14:0	scale 1 in Paula Bain			Tare	36900 lb
Out 09/03/2015 14:43:1	scale 2 ou eric metzler			Net	61480 lb
				Tons	30.74

Comments

Product	Ld%	Oty	UOM	Rate	Fee	Amt/Unit	Origin
1. Cont Soil Met-Tons 100		30.74	Tons				MA
2. PCR-P-Regulatory C 100			%				MA
3. EVF-P-Standard Env 100			%				MA
4. LFS-LANDFILL FIXED 100			%				MA

Total Fees
Total Ticket

SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that
the information provided is true and correct to the best of my knowledge and belief.
TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature



Customer Name: DERENZO J DERENZO COMPANY

Ticket Date: 09/08/2015

Payment Type: Credit Account

Manual Ticket#

Hauling Ticket#

Route

State Waste Code

Manifest +

Destination

Generator: NE-WORCESTERREGIONALTRANSIT W Operator Name: Paula Bain

Carries Hazardous
30 Rochester Neck Rd
Rochester, NH, 03839
Ph: (800) 963-4776

Original
Ticket# 1027279

Carrier: GURRIERI DT
Vehicle#: 4
Container:
Driver:
Check#:
Billing #: 0113489
Gen EPA ID: NOT REQUIRED
PO:
Profile: 493264NH (CONTAMINATED SOIL (DISPO

Time	Scale	Operator	Inbound	Gross	101120 lb
In 09/08/2015 08:02:1	scale 1 in eric metzler			Tare	37760 lb
Out 09/08/2015 08:18:5	scale 2 ou Paula Bain			Net	63360 lb
				Tons	31.68

Comments:

Product	LBS	Qty	UDM	Rate	Fee	Amount	Origin
1 Cont. Soil Met-Tons 100		31.68	Tons				NA
2 RCR-P-Regulatory C 100			%				NA
3 EVF-P-Standard Env 100			%				NA
4 LFS-LANDFILL, FIXED 100			%				NA

Total Fees
Total Ticket

SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief, TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature





Turnkey Landfill
30 Rochester Neck Rd
Rochester, NH, 03839
Ph: (800) 963-4776

Original
Ticket# 1087298

Customer Name: JDEPENZO J Dezenzo Company
Ticket Date: 09/08/2015
Payment Type: Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest #
Destination
Generator: NE-WORCESTERREGIONALTRANSIT W Operator Name: Paula Bain

Carrier: THIN TRUCKING TWIN
Vehicle#: 13 Volume:
Container:
Driver:
Check#:
Billing #: 0113489
Gen EPA ID: NOT REQUIRED
PO:
Profile: 493264NH /CONTAMINATED SOIL (DISPO)

Time	Scale	Operator	Inbound	Gross	lb
In 09/08/2015 09:29:14	scale 1 in	eric metzler		Tare	35340 lb
Out 09/08/2015 09:33:14	scale 2 ou	Paula Bain		Net	73480 lb
				Tons	36.74

Comments

Product	Lbs	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil Met-Tons	100	36.74	Tons				MA
2 RCR-P-Regulatory C	100		%				MA
3 ERF-P-Standard Env	100		%				MA
4 LFG-LANDFILL FIXED	100		%				MA

Total Fee:
Total Ticket:

SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief. TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature



Turnkey Landfill
30 Rochester Neck Rd
Rochester, NH, 03839
Ph: (800) 963-4776

Original
Ticket# 1027322

Customer Name: DERENZO J Derenzo Company
Ticket Date 09/08/2015
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest #
Destination
Generator NE-WORCESTERREGIONALTRANSIT W Operator Name Paula Bain

Carrier RED BARON RED BARON
Vehicle# 89 Volume
Container
Driver
Check#
Billing # 0113489
Gen EPA ID NOT REQUIRED
PO
Profile 495264NH (CONTAMINATED SOIL (DISP)

Time	Scale	Operator	Inbound	Gross	lb
In 09/08/2015 09:07:09	scale 1 in eric metzler			Tare	37500 lb
Out 09/08/2015 09:32:11	scale 2 ou Paula Bain			Net	62400 lb
				Tons	31.00

Comments

Product	L.D%	Qty	UOM	Rate	Fee	Amount	Origin
1 Coat Soil Net-Tons 100		31.00	Tons				NA
2 PCR-P-Regulatory C 100		%					NA
3 EVF-P-Standard Env 100		%					NA
4 UFS-LANDFILL FIXED 100		%					NA

Total Fees
Total Ticket

SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief. TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature





30 Rochester Neck Rd
Rochester, NH, 03839
Ph: (800) 963-4776

Original
Ticket# 1027470

Cust WASTE MANAGEMENT LENZO J Darenzo Company
Ticket Date 09/08/2015
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Master Code
Manifest +
Destination
Generator NE WORCESTER REGIONAL TRANSIT H Operator Name Paula Bain

Carrier GURRISTI DT
Vehicle# 4 Volume
Container
Driver
Check#
Billing # 0113409
Gen EPA ID NOT REQUIRED
PO
Profile 49326-NH (CONTAMINATED SOIL (DISPO
Operator Name Paula Bain

Time	Scale	Operator	Inbound	Gross	1000000 lb
In 09/08/2015 13:27:3	scale 1 in eric metsler		Fare	37340	lb
Out 09/08/2015 13:52:2	scale 2 on Paula Bain		Net	63540	lb
			Tons	31.77	

Comments

Product	Lbs	Dty	UOM	Rate	Fee	Amount	Origin
1 Cent Soil Met-Tons 100	31.77	Tons					NA
2 RCR-P-Regulatory C 100		%					
3 EVF-P-Standard Env 100		%					
4 LFB-LANDFILL FIXED 100		%					

Total Fees
Total Ticket

SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief, TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature





Turnkey Landfill
30 Rochester Neck Rd
Rochester, NH, 03839
Ph: (800) 963-4776

Original
Ticket# 1027484

Customer Name JOE D'RENZO J DeRenzo Company
Ticket Date 09/08/2015
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest #
Destination
Generator NE-WORCESTER REGIONAL TRANSIT H Operator Name Paula Bain

Carrier TWIN TRUCKING TWIN
Vehicle# 13 Volume
Container
Driver
Check#
Billing # 0113489
Gen EPA ID NOT REQUIRED
PO
Profile 493864NH (CONTAMINATED SOIL (DTSP))
Operator Name Paula Bain

Time	Scale	Operator	Inbound	Gross	lb
In 09/08/2015 13:40:14	scale 1 in eric metzler			Tare	34980 lb
Out 09/08/2015 14:21:3	scale 2 ou Paula Bain			Net	64360 lb
				Tons	32.18

Comments

Product	IDK	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil Net-Tons 100		32.18	Tons				MA
2 RCR-P-Regulatory C 100		%					MA
3 EVF-P-Standard Env 100		%					MA
4 LFS-LANDFILL FIXED 100		%					MA

Total Fees
Total Ticket

SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.
TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature





WASTE MANAGEMENT

Turnkey Landfill
30 Rochester Neck Rd
Rochester, NH, 03839
Ph: (800) 963-4776

Original
Ticket# 1027512

Customer Name JO-DRENZO J Derenzo Company
Ticket Date 09/08/2015
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest #
Destination
Generator NE-MORCHESTERREGIONALTRANSIT W Operator Name Paula Bain

Carrier RED BARON RED BARON
Vehicle# 89 Volume
Container
Driver
Check#
Billing # 0113489
Gen EPA ID NOT REQUIRED
PO
Profile 493264NH (CONTAMINATED SOIL (DISP)

	Time	Scale	Operator	Inbound	Gross	1b
In	09/08/2015 14:08:14	scale 1 in eric metzler			Tare	37060 1b
Out	09/08/2015 14:55:13	scale 2 ou Paula Bain			Net	63640 1b
					Tons	31.82

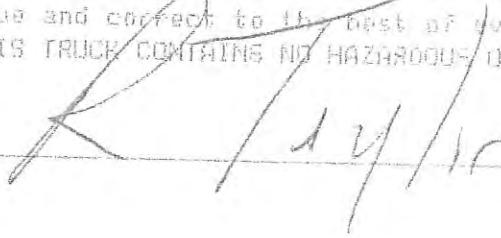
Comments

Product	UoM	Qty	UoM	Rate	Fee	Amount	Origin
1 Cont Soil Mat-Tons 100	Tons	31.82	Tons				NA
2 RCR-P-Regulatory C 100	%						NA
3 EVF-P-Standard Env 100	%						NA
4 LFS-LANDFILL FIXED 100	%						NA

Total Fees
Total Ticket

SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief. TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature




APPENDIX D

BOL ATTESTATION OF COMPLETION



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC 112

Release Tracking Number

[2]

- [19520]

BILL OF LADING (pursuant to 310 CMR 40.0030)

A. LOCATION OF SITE OR DISPOSAL SITE WHERE REMEDIATION WASTE WAS GENERATED:

1. Release Name/Location Aid: FORMER MFG GAS PLANT

2. Street Address: 42 QUINSIGAMOND AVE

3. City/Town: WORCESTER

4. Zip Code: _____

5. Check here if the disposal site that is the source of the release is Tier Classified. Check the current Tier Classification Category.

a. Tier I b. Tier II c. Tier II

B. THIS FORM IS BEING USED TO: (check one: B1-B4):

1. Submit a **Bill of Lading (BOL)** to transport Remediation Waste to Temporary Storage or a Receiving Facility.

Response Actions associated with this BOL (check all that apply):

- | | |
|--|--|
| <input type="checkbox"/> a. Immediate Response Action (IRA) | <input type="checkbox"/> e. Comprehensive Response Actions |
| <input type="checkbox"/> b. Release Abatement Measure (RAM) | <input type="checkbox"/> f. Limited Removal Action (LRA): (must be retained pursuant to 310 CMR 40.0034(6); can't be submitted via eDEP) |
| <input type="checkbox"/> c. Downgradient Property Status (DPS) | <input type="checkbox"/> g. Other _____ |
| <input type="checkbox"/> d. Utility Release Abatement Measure (URAM) | |

2. Submit an Attestation of Completion of **Shipment to Temporary Storage** (Sections C, F and J are not required):

3. Submit an Attestation of **Completion of Shipment to a Receiving Facility** (Sections C, F and J are not required):

4. Certify that Remediation Waste Was **Not Shipped, and the Bill of Lading is Void**. (Sections C, D, E, and F are not required)

5. Date Bill of Lading submitted to the Department: 8/25/2015 b. eDEP Transaction ID: 764232
(mm/dd/yyyy) _____

6. Period of Generation Associated with this Bill of Lading 5/1/2015 to 6/3/2015
(mm/dd/yyyy) _____ (mm/dd/yyyy) _____

(All sections of this transmittal form must be filled out unless otherwise noted above)

The Bill of Lading is not considered complete until the Attestation of Completion of Shipment is received by the Department.

C. DESCRIPTION OF WASTE AND WASTE SOURCE:

1. Contaminated Media/Debris (check all that apply):

- a. Soil b. Groundwater c. Surface Water d. Sediment e. Vegetation or Organic Debris
 f. Demolition/Construction Waste g. Inorganic Absorbent Materials h. Other: _____

2. Uncontainerized Waste (check all that apply):

- a. Inorganic Absorbent Materials b. Other: _____



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC 112

Release Tracking Number

2 - 19520

BILL OF LADING (pursuant to 310 CMR 40.0030)

C. DESCRIPTION OF WASTE AND WASTE SOURCE (cont.):

3. Containerized Waste (check all that apply):

- a. Tank Bottoms/Sludges b. Containers c. Drums d. Engineered Impoundments
 e. Other: _____

4. Estimated Quantity: _____ Tons Cu. Yds. Gallons

5. Contaminant Source (check one):

- a. Transportation Accident b. Underground Storage Tank c. Brownfields Redevelopment
 d. Other: _____

6. Type of Contaminant (check all that apply):

- a. Gasoline b. Diesel Fuel c. #2 Fuel Oil d. #4 Fuel Oil e. #6 Fuel Oil f. Jet Fuel
 g. Waste Oil h. Kerosene i. Chlorinated Solvents j. Urban Fill k. Other: _____

7. Constituents of Concern (check all that apply):

- a. As b. Cd c. Cr d. Pb e. Hg f. EPH/TPH g. VPH
 h. PCBs i. VOCs j. SVOCs k. Other: _____

8. If applicable, check the box for the Reportable Concentration Category of the site:

- a. RCS-1 b. RCS-2 c. RCGW-1 d. RCGW-2

9. Remediation Waste Characterization Documentation (check at least one):

- a. Site History Information b. Sampling Analytical Methods and Procedures c. Laboratory Data
 d. Field Screening Data e. Characterization Documentation previously submitted to the Department
- i. Date submitted: _____ ii. Type of Documentation: _____
(mm/dd/yyyy) _____

D. TRANSPORTER OR COMMON CARRIER INFORMATION:

1. Transporter/Common Carrier Name: BOSTON ENVIRONMENTAL CORP
2. Contact First Name: JOHN 3. Last Name: COLE
4. Street: 338 HOWARD STREET 5. Title: DIRECTOR OF OPERATIONS
6. City/Town: BROCKTON 7. State: MA 8. Zip Code: 023020000
9. Telephone: 5088978025 10. Ext: _____ 11. Email: JCOLE@BOSTONENVCORP.COM



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC 112

Release Tracking Number

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BILL OF LADING (pursuant to 310 CMR 40.0030)

G. PERSON SUBMITTING BILL OF LADING:

1. Check all that apply: a. change in contact name b. change of address c. change in the person undertaking response actions

2. Name of Organization: WRTA

3. Contact First Name: JONATHAN 4. Last Name: CHURCH

5. Street: 60 FOSTER STREET 6. Title: ADMINISTRATOR

7. City/Town: WORCESTER 8. State: MA 9. Zip Code: 016080000

10. Telephone: 5084533400 11. Ext: 12. Email: JCHURCH@THERTA.COM

H. RELATIONSHIP TO SITE OF PERSON SUBMITTING BILL OF LADING:

Check here to change relationship

1. RP or PRP a. Owner b. Operator c. Generator d. Transporter

e. Other RP or PRP Specify: NON-SPECIFIED PRP

2. Fiduciary, Secured Lender or Municipality with Exempt Status (as defined by M.G.L. c. 21E, s. 2)

3. Agency or Public Utility on a Right of Way (as defined by M.G.L. c. 21E, s. 5(j))

4. Any Other Person Undertaking Response Actions: Specify Relationship: _____

I. REQUIRED ATTACHMENT AND SUBMITTALS:

1. Check here if the Response Action(s) on which this opinion is based, if any, are (were) subject to any order(s), permit(s) and/or approvals issued by DEP or EPA. If the box is checked, you must attach a statement identifying the applicable provisions thereof.

2. Check here if any non-updatable information provided on this form is incorrect, e.g. Release Address/Location Aid. Send corrections to BWSC.eDEP@state.ma.us

3. Check here to certify that the LSP Opinion containing the material facts, data, and other information is attached.

J. CERTIFICATION OF PERSON SUBMITTING BILL OF LADING:

1. I, _____, attest under the pains and penalties of perjury (i) that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this transmittal form, (ii) that, based on my inquiry of those individuals immediately responsible for obtaining the information, the material information contained in this submittal is, to the best of my knowledge and belief, true, accurate and complete, and (iii) that I am fully authorized to make this attestation on behalf of the entity legally responsible for this submittal. I/the person or entity on whose behalf this submittal is made am/is aware that there are significant penalties, including, but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate, or incomplete information.

2. By: _____

3. Title: ADMINISTRATOR

4. For: WRTA

(Name of person or entity recorded in Section G)

5. Date: _____

(mm/dd/yyyy)



Massachusetts Department of Environmental Protection
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BILL OF LADING (pursuant to 310 CMR 40.0030)

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J. CERTIFICATION OF PERSON SUBMITTING BILL OF LADING (cont.):

6. Check here if the address of the person providing certification is different from address recorded in Section G.

7. Street:

8. City/Town:

9. State:

10. Zip Code:

11. Telephone:

12. Ext:

13. Email:

YOU ARE SUBJECT TO AN ANNUAL COMPLIANCE ASSURANCE FEE OF UP TO \$10,000 PER BILLABLE YEAR FOR THIS DISPOSAL SITE. YOU MUST LEGIBLY COMPLETE ALL RELEVANT SECTIONS OF THIS FORM OR DEP MAY RETURN THE DOCUMENT AS INCOMPLETE. IF YOU SUBMIT AN INCOMPLETE FORM, YOU MAY BE PENALIZED FOR MISSING A REQUIRED DEADLINE.

Date Stamp (MassDEP USE ONLY):

Received by DEP on 8/4/2016 2:17:16 PM



**Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup**

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BILL OF LADING (pursuant to 310 CMR 40.0030)

SUMMARY OF SHIPMENT SHEET 1 OF 1

A. SUMMARY OF SHIPMENT (To be filled out by the receiving facility upon receipt of Remediation Waste):

1. Date of Shipment: (mm/dd/yyyy)	2. Date of Receipt: (mm/dd/yyyy)	3. Number of Loads Shipped:	4. Daily Volume Shipped: <input type="checkbox"/> yds³ <input checked="" type="checkbox"/> tons <input type="checkbox"/> gals
8/28/2015	8/28/2015	5	162.99
8/31/2015	8/31/2015	12	369.9
9/1/2015	9/1/2015	12	380.85
9/2/2015	9/2/2015	19	603.43
9/3/2015	9/3/2015	8	257.04
9/8/2015	9/8/2015	6	195.19
5. Totals Recorded on this Summary of Shipment Sheet:		62	1969.4



**Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup**

BWSC 112B

Release Tracking Number

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- 19520

**BILL OF LADING (pursuant to 310 CMR 40.0030)
SUMMARY SHEET SIGNATURE PAGE**

A. ACKNOWLEDGEMENT OF RECEIPT OF REMEDIATION WASTE AT RECEIVING FACILITY OR TEMPORARY STORAGE:

1. I, ROBERT S MAGNUSSON, attest under the pains and penalties or perjury (i) that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this transmittal form, (ii) that, based on my inquiry of those individuals immediately responsible for obtaining the information, the material information contained in this submittal is, to the best of my knowledge and belief, true, accurate and complete, and (iii) that I am fully authorized to make this attestation on behalf of the entity legally responsible for this submittal. I/the person or entity on whose behalf this submittal is made am/is aware that there are significant penalties, including, but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate, or incomplete information.

2. By: ROBERT S MAGNUSSON 3. Title: SENIOR DISTRICT MANAGER

4. For: WASTE MANAGEMENT OF NH (TREE) 5. Date: 8/1/2016
(mm/dd/yyyy)

6. Date of Final Shipment associated with this Bill of lading: 9/8/2015
(mm/dd/yyyy)

B. ACKNOWLEDGEMENT OF SHIPMENT AND RECEIPT OF REMEDIATION WASTE BY PERSON CONDUCTING RESPONSE ACTIONS ASSOCIATED WITH THIS BILL OF LADING:

1. I, JONATHAN E CHURCH, attest under the pains and penalties or perjury (i) that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this transmittal form, (ii) that, based on my inquiry of those individuals immediately responsible for obtaining the information, the material information contained in this submittal is, to the best of my knowledge and belief, true, accurate and complete, and (iii) that I am fully authorized to make this attestation on behalf of the entity legally responsible for this submittal. I/the person or entity on whose behalf this submittal is made am/is aware that there are significant penalties, including, but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate, or incomplete information.

2. By: JONATHAN E CHURCH 3. Title: ADMINISTRATOR

4. For: WRTA 5. Date: 8/4/2016
(Name of person or entity recorded in Section G) (mm/dd/yyyy)

6. Check here if the address of the person providing certification is different from address recorded in BWSC112 Section G.

7. Street: _____

8. City/Town: _____ 9. State: _____ 10. Zip Code: _____

11. Telephone: _____ 12. Ext: _____ 13. Email: _____

14. Check here if attaching optional supporting documentation such as copies of Load Information Summary Sheets