MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

INTEROFFICE COMMUNICATION

TO:

Paul Owens, District Supervisor, Remediation and Redevelopment Division

Southeast Michigan District Office

FROM:

Joseph Walczak, Brownfield Assessment Program Manager

Site Assessment and Site Management Unit, Superfund Section

Remediation and Redevelopment Division

DATE:

March 30, 2016

SUBJECT:

Brownfield Redevelopment Assessment Report for the Tree Farm Property,

Rochester Hills, Oakland County, Michigan

I have enclosed, for your files, a copy of the Brownfield Redevelopment Assessment Report for the Tree Farm Property located at 1406 East Avon Road in Rochester Hills, Oakland County, Michigan. If you have any questions concerning this report, please contact me.

Enclosure

cc: Teresa Ducsay, MDEQ

Site File





BROWNFIELD REDEVELOPMENT ASSESSMENT REPORT

FOR

TREE FARM

1406 EAST AVON ROAD ROCHESTER HILLS, MICHIGAN 48307

MIB000000196

March 14, 2016

REPORT PREPARED BY:

DATE:

(D)DATE: 3-22-201/

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TABLE OF CONTENTS

	TON				
	BACKGROUND				
	rty Description				
Prope	rty History	3			
PROCEDUR	PROCEDURES AND RESULTS				
Recor	Reconnaissance Inspection Observations				
Samp	ling Procedures	7			
Samp	le Analysisle Analytical Results Compared to Criteria	8			
Samp	le Analytical Results Compared to Criteria	9			
	Surficial Soil Samples				
	Soil Boring Samples				
-	Groundwater Samples				
	Soil Gas Samples				
	Surface Water Samples				
DIGGLIGGIGE	Sediment Samples				
	N				
BIBLIOGRAF	PHY	33			
-	FIGURES				
FIGURE 1	Property Location				
FIGURE 2	Property Features				
FIGURE 3	Surficial Soil Sample Locations				
FIGURE 4	Soil Boring Sample Locations				
FIGURE 5	Temporary Monitoring Well Locations				
FIGURE 6	Soil Gas Sample Locations				
FIGURE 7	Surface Water and Sediment Sample Locations				
	TABLES				
TADLE	Curficial Sail Cample Descriptions				
TABLE 1 TABLE 2	Surficial Soil Sample Descriptions Surficial Soil Sample Data Summary				
TABLE 3	Soil Boring Lithology and Sample Log				
TABLE 3	Soil Boring Sample Data Summary				
TABLE 5	Temporary Monitoring Well Sample Descriptions				
TABLE 6	Temporary Monitoring Well Sample Data Summary				
TABLE 7	Soil Gas Sample Descriptions and Data Summary				
TABLE 8	Surface Water Sample Descriptions				
TABLE 9	Surface Water Sample Descriptions Surface Water Sample Data Summary				
TABLE 10	Sediment Sample Descriptions				
TABLE 11	Sediment Sample Data Summary				
INDEE 11	Countries Campio Data Cammary				

EXECUTIVE SUMMARY

APPENDICES

APPENDIX A

APPENDIX B

BFRA Property Photographs Chemical Analysis of BFRA Samples Part 201 Generic Cleanup Criteria and Screening Levels APPENDIX C

EXECUTIVE SUMMARY

The Michigan Department of Environmental Quality (MDEQ) conducts Brownfield Redevelopment Assessments (BFRAs) to assist local communities with redevelopment projects by providing environmental assessment information. BFRAs are conducted by the MDEQ to satisfy the Site Specific Assessment task of its 128(a) Brownfield Cooperative Agreement with the United States Environmental Protection Agency. The BFRAs provide information on brownfield properties where potential environmental contamination may be acting as an impediment to future redevelopment activities. They also provide information to determine if a property is a facility as defined in Part 201, Environmental Remediation, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (Part 201) and provide recommendations for addressing issues during redevelopment. A facility is defined as any area, place, or property that contains a hazardous substance at a concentration that exceeds Generic Residential Cleanup Criteria established in Section 20120a(1)(a) or (17) of Part 201. File and data searches and environmental sample collection and analyses are used to obtain the needed information to make the determination and recommendations. This report presents the findings of the Tree Farm property (Property) BFRA.

This BFRA report is written for the purpose of providing information on the Property that will encourage redevelopment in a way that ensures protection of the public health, safety, welfare, and the environment. This information is intended for use by the local unit of government, the MDEQ, potential developers, and any other stakeholder who may become involved in the future redevelopment of the Property. The report includes a summary of the Property background, assessment procedures, results, conclusions, and recommendations. The conclusion as to whether the Property is a facility as defined in Part 201 is made by comparison of sample concentrations of hazardous substances to the Generic Residential Cleanup Criteria established under Part 201. This report also compares the sample concentrations to other Generic Nonresidential Cleanup Criteria to provide additional information to promote appropriate redevelopment activities.

A request dated January 28, 2015, and an application were submitted to the MDEQ by the Director of Community and Economic Development for the city of Highland Park to request a BFRA of the Property. The Property is owned by the city of Highland Park and is located at 1406 East Avon Road in Rochester Hills, Michigan. The Property meets the definition of a brownfield based on its potential for being contaminated due to buried waste present on the Property. Previous uses of the Property include a tree farm and disposal operation for trees that were removed from neighborhoods in the city of Highland Park along with some municipal waste. Based on historical plat maps obtained, the city of Highland Park has owned the Property since about 1947. The 1925 plat map of the parcel listed Robert Lowe as the owner of the Property.

The MDEQ conducted a BFRA of the Tree Farm property in April 2011, which originally encompassed about 43.3 acres. Then, in 2013, the parcel was split and a portion of the

original acreage was sold and redeveloped. Soil and Materials Engineers, Inc. completed a Phase I Environmental Assessment Report of the remaining portion of the Property and the report is dated June 18, 2014. The Phase I indicated the following recognized environmental conditions at the Tree Farm property: historically used as a landfill for disposal of tree stumps by the city of Highland Park and trees sprayed with DDT; soil disturbances consistent with subsurface disposal were present from 1940 until the early 1990s, indicating the potential releases of hazardous substances; and the potential generation of methane from decomposition of landfilled organic matter. The city plans to sell the remaining portion of the Property; however, the unknown environmental conditions are a hindrance to further development. Therefore, the 2015 BFRA of the Tree Farm property was conducted to provide further assessment and methane evaluation to aid in future redevelopment of the remaining portion of the property.

The request by the Director of Community and Economic Development for the city of Highland Park resulted in the MDEQ conducting a BFRA of the Property. This BFRA included file and historic information searches, a reconnaissance inspection of the Property, the collection of surficial soil, subsurface soil, groundwater, soil gas, surface water, and sediment samples, Global Positioning System (GPS) data collection of sample locations and Property features, and the collection of site feature photographs.

The reconnaissance inspection was conducted on June 2, 2015, and included the team leader, an MDEQ geologist, and Mr. David Lancio, the private individual interested in redeveloping the Property. The field sampling event was conducted in August and September 2015 and included the collection of 11 surficial soil, 10 soil boring, 10 groundwater, 2 surface water, and 2 sediment samples. MDEQ staff also collected 19 soil gas samples from the Property to determine the presence of methane. Photographs of general property conditions were taken along with GPS data to determine sample and feature locations.

Analysis of the samples detected the presence of antimony, arsenic, barium, benzo(b)fluoranthene, benzo(a)pyrene, cadmium, chromium (total), cobalt, copper, cyanide, 4-4'-DDD, 4-4'-DDE, 4-4'-DDT, fluoranthene, iron, lead, manganese, mercury, methane, molybdenum, naphthalene, nickel, phenanthrene, selenium, silver, tetrachloroethylene, vanadium, and zinc at concentrations greater than the Generic Residential Cleanup Criteria or Screening Levels. Arsenic, benzo(b)fluoranthene, benzo(a)pyrene, and lead were detected in both the surficial soil and soil boring samples at concentrations which exceed Soil Residential Direct Contact Criteria. Arsenic, iron, lead, manganese, and vanadium were detected in the temporary monitoring well samples at concentrations that exceed Residential Drinking Water Criteria. Methane was detected in the groundwater and soil gas samples. Methane was detected in two of the soil vapor samples at concentrations that exceed the Vapor Intrusion Indoor Air Screening Level.

Due to the elevated levels of contaminants above Part 201 Generic Residential Cleanup Criteria, MDEQ staff has determined that the Property does meet the definition of a

facility as defined in Part 201. Based on the findings of the BFRA, MDEQ staff recommends that the following issues should be addressed before or during the redevelopment of the Property:

Action should be taken to abate the potential threat caused by the presence of contaminants exceeding Residential Cleanup Criteria in the soils by mitigation of these contaminants or restricting access to the contaminated areas. Arsenic, benzo(b)fluoranthene, benzo(a)pyrene, and lead were detected in both the surficial soil and soil boring samples at concentrations which exceed the Residential Direct Contact Criteria. In some cases, further evaluation of certain inorganic analytes found at levels above default background levels may show that some of these inorganic analytes may be naturally occurring at those levels, thereby eliminating the need for mitigation. The full extent of the contamination should be determined and appropriate precautions implemented to prevent exposure during redevelopment.

Because of contaminants detected in the shallow groundwater at levels exceeding drinking water standards, the groundwater at the Property should not be used for drinking water purposes; redevelopment activities should not exacerbate contaminated groundwater migration.

Because methane was detected at levels exceeding Vapor Intrusion Indoor Air Screening Level in the soil vapor samples collected in the fill area, consideration for the construction of buildings over and adjacent to tree disposal areas may require constructed vapor mitigation systems, or removal of the tree waste.

The "due care" obligations must be met as specified in Section 7a of Part 201 during redevelopment activities. These obligations include not exacerbating the existing contamination; assure there are no unacceptable exposures, and taking reasonable precautions against the reasonably foreseeable activities of third parties.

Further information concerning Part 201 cleanup criteria, due care provisions, and remedial and/or removal activities may be obtained from the MDEQ Remediation and Redevelopment Division, Southeast Michigan District Office at 586-753-3700.

INTRODUCTION

The Michigan Department of Environmental Quality (MDEQ) was contracted via a cooperative agreement (CA) with the United States Environmental Protection Agency (U.S. EPA) to conduct Brownfield Redevelopment Assessments (BFRAs). BFRAs are performed to fulfill the Site Specific Assessment (SSA) task in the Section 128(a) CA. The Section 128(a) CA was entered into between the MDEQ and the U.S. EPA as a result of the "Small Business Liability Relief and Brownfield Revitalization Act" amendments to the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (Title 42 of the United States Code, Section 9601). A BFRA was requested for the Tree Farm property (Property) by the Director of Community and Economic Development for the city of Highland Park to assist in their redevelopment plans for the Property.

A brownfield property is a real property, usually an abandoned, idled, or under-utilized industrial or commercial property, or a portion thereof, where the presence or potential presence of a hazardous substance, pollutant, or contaminant may be acting as an impediment to expansion, redevelopment, or reuse of the property. Properties targeted for the SSA task are those brownfield properties that have an active potential for expansion, redevelopment, or reuse.

BFRAs are intended to provide information on such properties where potential environmental contamination may be acting as an impediment to future redevelopment activities. MDEQ staff conduct environmental investigations of brownfield properties to determine the types and locations of past and present activities, potential relevant migration pathways of concern, types and concentrations of potential contaminants, and the need for remedial and/or removal actions on the property. These findings are summarized in this BFRA report along with the determination of whether the property meets the definition of a facility as defined in Part 201, Environmental Remediation, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (Part 201). A facility is an area that contains a hazardous substance at a concentration that exceeds residential cleanup criteria established in Section 20120a(1)(a) or (17) of Part 201.

As part of the BFRA, property-specific exposure pathways are evaluated for potential exposure routes and relevancy with regard to Part 201. These pathways are evaluated to determine the potential risks posed by elevated levels of hazardous substances in those pathways. As stated in Part 201, a relevant pathway means an exposure pathway that is reasonable and relevant because there is a reasonable potential for exposure to a hazardous substance to occur to a human or non-human receptor from a source or release of a hazardous substance. The components of an exposure pathway are a source or release of a hazardous substance, an exposure point, an exposure route, and, if the exposure point is not the source or point of release, a transport

medium. The existence of an exposure control measure, exposure barrier or other similar feature, such as a municipal water supply, does not automatically make an exposure pathway irrelevant.

A BFRA of the Property was conducted in accordance with the CA with the U.S. EPA. The BFRA included file and information searches, a reconnaissance inspection of the Property, the collection of surficial soil, subsurface soil, groundwater, soil gas, surface water and sediment samples, Global Positioning System (GPS) data collection of sample locations and Property features, the collection of site feature photographs, data evaluation, and the compilation of all this data into this report.

PROPERTY BACKGROUND

Property Description

The Tree Farm property is located at 1406 East Avon Road, Rochester Hills, Michigan, Oakland County, Township 3 North, Range 11 East, Section 24. It should be noted that Avon Township in Oakland County became the city of Rochester Hills on November 20, 1984. The latitude is 42°40'01" north and the longitude is 83°06'24" west, measured near the center of the Property. The Property is an irregular shaped parcel that encompasses two parcels equaling approximately 33.22 acres. This includes parcel numbers 70-15-24-100-050 (32.49 acres) and 70-15-24-100-021 (0.73 acres). The common address for the large parcel (70-15-24-100-050) is 1406 East Avon Road, Rochester Hills, Michigan and there is not a common address for the smaller parcel (70-15-24-100-021). The Tree Farm property was investigated in 2011 when a BFRA was conducted by the MDEQ. At that time, the Property included two parcel numbers 70-15-24-100-020 (~42.57 acres) and 70-15-24-100-021 (0.73 acres). Parcel number 70-15-24-100-020 was split in 2013 and this resulted in parcel numbers 70-15-24-100-049 (11.58 acres) and 70-15-24-100-050 (32.49 acres). Parcel number 70-15-24-100-049 was purchased by Sunoco Pipeline LP on October 17, 2013, and the parcel is located in the northwest corner of the original Tree Farm property.

The Tree Farm property is located in an area with residential/commercial properties to the west and south; the Southeast Oakland County Resource Recovery Authority Landfill is adjacent to the parcel to the east. The Property is bordered on the north by East Avon Road with a large mobile home park located on the north side of East Avon Road. See Figure 1 for the Property Location map.

Property History

According to the application information received from the city of Highland Park, the historical use of the Property is not fully known. The current condition of the Property was described as vacant and unoccupied. A variety of current and historical information and databases, including Property file information, historical aerial photographs, Sanborn® maps, and the Polk's City Directory were used to identify previous uses of the Property. The major portion of this historical informational search included procuring much of this information from Environmental Data Resources Inc.'s (EDR) historical data packages. These EDR historical reports are provided in Appendix A of the 2011 BRFA report for the Tree Farm property.

Historical aerial photos of the Property indicated disturbed/barren soil areas in 1975 and 1980; this may indicate either dumping and/or digging activities occurred during this time period. There appears to be some buildings present on the Property in the 1937, 1940, and 1949 aerial photos. There is a very large building (possibly a barn) with a

very small building adjacent to it, located on the east side of the Property with a long entrance drive; this may be located on the small parcel. There is a shorter drive to buildings (possibly a house and/or a garage) on the west side of the Property. The 1956 and 1957 aerial photos have additional roads going south along the western boundary of the Property and east to west across the middle of the Property. The large building/barn is no longer visible (only the building footprint) and there is a large area of surface disturbance near the southeast corner of the parcel along the Honeywell Ditch. Most of the roads/drives on the Property are no longer visible in the 1961and 1964 aerial photos except for the drive along the east side of the Property and no surface disturbance is visible. The 1967 aerial photo is similar, but even the small building on the east side of the Property is not visible. The 1972 aerial photo has two large areas of surface disturbance and two small ones.

Based on the historical Utica Quadrangle topographic map from 1968, there appears to be a power line and/or pipeline that runs adjacent to the west side of the Property and an unimproved road which runs south near the east side of the Property into the location of the former large building. The Utica Quadrangle topographic map, photo-revised in 1973 and 1983, extends the unimproved road west across the Property.

A map obtained from the Stan's Trucking site file in the MDEQ, Remediation and Redevelopment Division, Superfund Section has the Tree Farm property identified as the Highland Park Woodfill. There is a 'received' date stamp on the map of November 30, 1981. The 1966 plat map of the Property listed the owner as Highland Park City. The 1947 plat map listed the owner of the Property as city of Highland Park (43.3 acres) and the small parcel is not separated out. The Land Ownership Atlas of Avon Township from 1925 listed Robert Lowe as the owner of the Property encompassing 44 acres. The Land Ownership Atlas of Avon Township from 1908 listed Mrs. S. K. Shaff as the owner of the Property encompassing 46 acres. The Land Ownership Atlas of Avon Township from 1886 listed E. Pearsall as the owner of the Property encompassing 55 acres. The Land Ownership Atlas of Avon Township from 1872 listed W. M. Bronson as the owner of the Property encompassing 42 acres.

The original Tree Farm property included parcel 70-15-24-100-020 (42.57 acres) and 70-15-24-100-021 (0.73 acres). However, in 2013, parcel 70-15-24-100-020 was split; this resulted in two parcels, 70-15-24-100-049 (11.58 acres) and 70-15-24-100-050 (32.49 acres). The common address for parcel 70-15-24-100-049 is 1232 Avon Road East, Rochester Hills, Michigan and the common address for parcel 70-15-24-100-050 is 1406 Avon Road East, Rochester Hills, Michigan. According to the city of Rochester Hills Tax and Assessing information for parcel 70-15-24-100-049, the parcel was purchased by Sunoco Pipeline LP on October 7, 2013. McDowell and Associates conducted a Preliminary Soils Investigation in April 2004 of the original Tree Farm property, approximately 43.3 acres. A total of 16 backhoe test pit excavations were

completed with depths ranging from 2 to 13 feet. Four of the test pits revealed layers of tree stumps and limbs.

The MDEQ conducted a BFRA of the original Tree Farm property in April 2011, which encompassed about 43.3 acres, which was prior to the parcel being split. The BFRA included file and information searches, reconnaissance inspections of the Property, a geophysical survey of subsurface conditions, the collection and analyses of 15 surficial soil, 15 subsurface soil, 4 surface water, and 4 sediment samples, GPS data collection of sample locations and Property features, and the collection of site feature photographs. The sample results indicated contaminants were present in the surficial soil and soil boring samples at concentrations above Part 201, Environmental Remediation, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended, (Part 201) Soil Residential Direct Contact Criteria. Some of these soil samples were collected from an area with uprooted trees revealing waste entangled in the roots and soil. Physical conditions of the Tree Farm property suggested the possibility of subsurface burial of waste in two large fill areas with debris protruding through the ground surface and exposed debris along the bank of the two fill areas. The geophysical survey results of the fill areas indicated the presence of a significant amount of buried metal across the western fill area with numerous larger objects detected across the area. The geophysical survey results for the eastern fill area indicate that most of the buried metal is located in the northeast portion of this area, and the area appears to have received more construction and demolition debris as concrete and rebar were observed.

Soil and Materials Engineers, Inc. completed a Phase I Environmental Assessment Report for the Property located at 1406 Avon Road, Rochester Hills, Michigan, and the report is dated June 18, 2014. The Tree Farm property included parcel 70-15-24-100-050 (32.49 acres) and 70-15-24-100-021 (0.73 acres). The Phase I indicated the following recognized environmental conditions at the Tree Farm property: historically used as a landfill for disposal of tree stumps by the city of Highland Park; trees sprayed with DDT; soil disturbances consistent with subsurface disposal were present from 1940 until the early 1990s, indicating the potential releases of hazardous substances; and the potential generation of methane from decomposition of buried organic matter. The 2011 BFRA for the Tree Farm detected the presence of semi-volatiles and metals in the soil.

The BFRA of the Tree Farm property was requested by the City Attorney and Chief of Staff for the city of Highland Park. The Property has been owned by the city of Highland Park at least since 1966, based on the Plat Map from Oakland County dated 1966. The city plans to sell the Property; however, the recognized environmental conditions are a hindrance. This request resulted in the investigation of this Property under the BFRA Program.

PROCEDURES AND RESULTS

Reconnaissance Inspection Observations

A BFRA property reconnaissance was conducted at the Property on June 2, 2015. The purpose of the reconnaissance was to gather information to be used in development of the BFRA sampling plan, to determine appropriate health and safety requirements, and to determine potential sampling locations. The team documented the features, known and potential source areas, and debris types located throughout the Property and identified the environmental concerns associated with each area of concern. During this inspection, the Property was screened with appropriate safety equipment, including a photoionization detector, a 4-gas (combustible gas/O₂/H₂S/CO) meter, and a radiation detector to determine on-Property health and safety issues. The instruments did not detect any hazardous conditions on the Property above background levels.

Known/suspected areas of potential concern included the following based on the field observations from the Property reconnaissance:

- Potentially impacted soils indicated by disturbed soils in historical aerial photos;
- Debris present concrete rubble, asphalt pieces, household appliances, tires, and a rusty drum exposed along the edge of an apparent fill area;
- 55-gallon oil drum that appears to have leaked onto the ground surface;
- Uprooted trees with waste (glass, metal, etc.) bound into the roots and soil; and
- Potential for methane gas.

On August 24, 2015, a sampling inspection reconnaissance was conducted at the Property for the purpose of locating the actual sample locations prior to collection of the samples. This reconnaissance was also conducted to determine whether there were any changes in the conditions or features of the Property.

On the Property, there was debris present (household appliances, tires, concrete rubble) and uprooted trees with waste bound into the roots and soil in areas that appeared to have surface disturbance in the 2005 aerial photo. There was an area in the northeast corner of the parcel which had rows of trees and depressions/divots where trees were removed (an indication of a tree farm). There remains a large building footprint and two openings to an underground concrete vault (likely a septic tank) on the east side of the Property. Also, there was a 55-gallon oil drum that appeared to have leaked near the building footprint. There was a buried gas pipeline and an electrical power line that runs diagonally along the northern boundary of the Property from near the southwest corner

to the northeast corner of the parcel. Near the middle of the Property, the pipeline shifts away from the power line, from a northeasterly direction to a northerly direction, to a marker located adjacent to Avon Road. The Honeywell Ditch runs along the southeast corner of the Property and there exists an approximately 24-inch clay pipe discharging into the ditch with a steady flow of water. The parcel was not fenced, but vehicular access to the Property is restricted by a locked gate at the entrance drive off Avon Road. Historical aerial photos of the parcel indicated areas of surface disturbed on the Property, which may be an indication that dumping or digging activities had occurred at the Property. During the 2011 BFRA of the Property, a geophysical survey was conducted in these areas that confirmed buried materials.

See Figure 2 for the Property Features map. Photographs of the Property were taken during the BFRA and are provided in Appendix A.

Sampling Procedures

The field sampling event was conducted in August and September 2015 and included the collection of 11 surficial soil, 11 soil boring, 10 groundwater, 2 surface water, and 2 sediment samples from suspected areas of contamination on the Property. MDEQ staff also collected 19 soil gas samples from the Property to determine the presence of methane. The sample locations were surveyed in utilizing a Trimble model GeoXH GPS unit with an accuracy of approximately 0.5 meters. The samples were collected in order to:

- Determine the concentrations of U.S. EPA Target Compound List compounds (organic compounds) and Target Analyte List analytes (inorganic elements) which may be present at the Property.
- Identify potential contamination in shallow and subsurface soils and groundwater on the Property.
- Identify potential contaminant source areas.
- Ascertain potential contaminant migration pathways from possible source areas.
- Identify health and safety concerns, including threats posed to nearby residential populations, future workers or occupants, or natural resources associated with the different sample media.
- Evaluate and determine whether the Property is a facility in accordance with the definition found in Part 201, Section 20101(o).

Standard MDEQ sample collection, preservation, and decontamination procedures, as outlined in the work plan, were followed for all samples. In addition to the analysis specified in the work plan, polychlorinated biphenyl (PCB) analysis was added for some of the soil, sediment, and groundwater samples. Sample collection and preservation followed the MDEQ Remediation and Redevelopment Division (RRD) Operational Memorandum 2, Attachments 4-6. Soil samples analyzed for volatile organic compounds (VOCs) were field preserved with methanol. Soil samples collected for other analyses were not chemically preserved. Water samples analyzed for VOCs were field preserved with hydrochloric acid. Water samples analyzed for semi-volatile organic (SVOC)/PCB compounds were not field preserved. Water samples analyzed for total metals were field preserved with nitric acid to a hydrogen ionization potential (pH) of less than 2 and water samples analyzed for cyanide were field preserved with sodium hydroxide to a pH of more than 12.

The MDEQ quality assurance/quality control procedures as outlined in the Michigan Department of Environmental Quality Brownfield Redevelopment Assessment Quality Assurance Project Plan (May 27, 2014) were followed. Upon collection of the samples, all samples were labeled and placed in insulated sample shipment coolers. The interiors of the shipment coolers were kept at a temperature of approximately 4° Celsius with ice and delivered to the MDEQ Environmental Laboratory. Samples were transported by the Team Leader to the MDEQ laboratory for analysis.

Sample Analysis

Soil and water samples were analyzed for organic compounds and inorganic analytes, consistent with the MDEQ RRD Operational Memorandum 2, Attachment 1, by the MDEQ Environmental Laboratory utilizing the following methods:

	Analytic	al Method
Compound/Analyte	Soil	Water
Volatile Organics	8260	8260
Semi-volatile Organics	8270	8270
Pesticides	8081/8082	8081/8082
PCBs	8081/8082	8081/8082
Antimony, Arsenic, Barium,	6020/200.8	6020/200.8
Beryllium, Cadmium, Chromium,	·	
Cobalt, Copper, Lead, Manganese,		
Molybdenum, Nickel, Selenium,		
Silver, Thallium, Vanadium, Zinc		
Cyanide	ASTM D7284	ASTM D7511-09
Iron	6010/200.7	6010/200.7
Mercury	7471/245.5	7470/245.1

Soil gas and groundwater samples were analyzed for these organic compounds by the MDEQ Environmental Laboratory utilizing the following methods:

	Analytical Method	
Compound/Analyte	Air	Water
Ethane	8015	8015
Ethylene	8015	8015
Methane	8015	8015

It should be noted that with regard to the chromium analyses, only total chromium was analyzed. Upon analysis, laboratory results were sent to the Team Leader and processed for this report. Laboratory analytical data for all the sample analyses are provided in Appendix B.

Sample Analytical Results Compared to Criteria

Contaminant concentrations in samples exceeding the Generic Cleanup Criteria (Criteria) promulgated pursuant to Part 201 are noted in the attached summary tables and will be described in the following sections. The current Part 201 Criteria are provided in Appendix C. Sample contaminant concentrations were rounded to two significant figures whenever laboratory results were reported in more than two significant figures. This is to allow for comparison of laboratory results to Criteria, which are presented in two significant figures. MDEQ RRD Operational Memorandum 1 states that Criteria "should be compared to analytical data presented in two significant figures."

The attached summary tables show all sample Criteria exceedances. However, not all Criteria may be applicable. An applicable criterion is a cleanup criterion for a relevant pathway. A pathway that is not relevant will not have applicable criteria. A pathway evaluation will be completed in the Discussion section. If an exposure pathway is not listed below, it means that no exceedances of Criteria in that pathway were found.

As noted above regarding the chromium analyses, only total chromium was analyzed. Per Part 201 rules, the total chromium concentrations are compared to the hexavalent chromium criteria. The default values for hardness and pH were used to determine the "G" footnoted Groundwater Surface Water Interface (GSI) Criteria. These are a hardness value of 150 and a pH of 7.

It should be noted that the MDEQ Environmental Laboratory analyzes for both naphthalene and 2-methylnaphthalene using methods 8260 for VOCs and 8270 for

SVOCs. These analyses are responsive to guidance in the MDEQ's RRD Operational Memorandum 2. The laboratory qualifies method 8260 results for these two compounds stating that since these compounds have boiling points greater than 200° Celsius, these compounds are better analyzed by method 8270. However, the extraction method used for method 8270 has the potential to affect the concentration due to low extraction recovery, thereby giving a lower reported concentration for these compounds. To comprehensively reflect laboratory data that has been generated for this site, both 8260 and 8270 results are listed in the sample data summary tables under their respective analysis - volatiles and/or semi-volatiles. For purposes of this report, the unqualified data represented by method 8270 for these compounds were selected for comparison to Part 201 Criteria. However, given the conundrum between these two analytical methods for these two chemicals, without a more comprehensive data set from this site, this data selection approach included in this report may not accurately represent the risks posed by these compounds.

Background samples for the surficial soil, surface water, and sediment samples were not collected from the Tree Farm property. Background samples for the soil boring and groundwater samples were collected from an area near the northwest corner of the Tree Farm property that seemed undisturbed or impacted by waste disposal. However, they were not collected in a statistical manner to determine a property-specific background, but to determine the potential for migration of contaminants onto the Property and the potential for naturally occurring elevated levels of contaminants. Any sample concentrations of naturally occurring inorganic analytes above Criteria but equal to or below statewide default background levels are not considered exceedances of Part 201 Criteria in this report.

Surficial Soil Samples

The intent of the surficial soil sampling was to identify potentially contaminated surficial soil or source areas, to determine the potential for possible contaminant migration, and to determine health and safety concerns, including threats posed to nearby residential populations, future workers or occupants, and resources associated with the surficial soils at the Property. To accomplish this sampling task, 11 surficial soil samples were collected during the BFRA. All samples were collected using stainless steel trowels from depths ranging from 0 to 10 inches below the ground surface according to the procedures outlined in the work plan.

See Figure 3 for a map showing surficial soil sample locations. For a description of the surficial soil sample locations and the sample characteristics, refer to Table 1. Table 2 provides a summary of the surficial soil sample analytical results that exceed Part 201 Criteria and lists the Criteria exceedances.

Analysis of the surficial soil samples collected during the BFRA detected the presence of organic compounds and inorganic analytes at concentrations above Part 201 Criteria.

The following lists the Criteria exceedances for surficial soil samples and the compounds/analytes and samples with concentrations in excess of criteria. The full extent of the contaminants in the surficial soils was not delineated during the BFRA of the Tree Farm property.

Exceedances above the Soil Residential Drinking Water Protection Criteria:

These Criteria represent concentrations of hazardous substances in soils that may leach from the soil into groundwater at concentrations in the groundwater exceeding generic Residential Drinking Water Criteria.

Antimony was detected in SS-2015-03 at a concentration of 8.4 parts per million (ppm) and SS-2015-07 at a concentration of 6.3 ppm, which exceed the 4.3 ppm Criterion.

Arsenic was detected in SS-2015-02 at a concentration of 5.9 ppm, SS-2015-03 at a concentration of 39 ppm, SS-2015-05 at a concentration of 7.9 ppm, SS-2015-07 at a concentration of 22 ppm, SS-2015-08 at a concentration of 6.0 ppm, SS-2015-09 at a concentration of 10 ppm, SS-2015-10 at a concentration of 11 ppm, and SS-2015-11 at a concentration of 9.4 ppm, which exceed the 4.6 ppm Criterion and the statewide default background level of 5.8 ppm.

<u>Chromium (total)</u> was detected in SS-2015-02 at a concentration of 40 ppm, SS-2015-03 at a concentration of 35 ppm, SS-2015-07 at a concentration of 37 ppm, and SS-2015-08 at a concentration of 35 ppm, which exceed the 30 ppm Criterion.

<u>Cobalt</u> was detected in SS-2015-03 at a concentration of 7.7 ppm and SS-2015-07 at a concentration of 12 ppm, which exceed the 0.8 ppm Criterion and the statewide default background level of 6.8 ppm.

<u>Iron</u> was detected in SS-2015-02 at a concentration of 16,000 ppm, SS-2015-02-DUP at a concentration of 14,000 ppm, SS-2015-03 at a concentration of 19,000 ppm, SS-2015-05 at a concentration of 16,000 ppm, SS-2015-07 at a concentration of 40,000 ppm, SS-2015-08 at a concentration of 15,000 ppm, SS-2015-09 at a concentration of 21,000 ppm, SS-2015-10 at a concentration of 13,000 ppm, and SS-2015-11 at a concentration of 14,000 ppm, which exceed the 4.0 ppm Criterion and the statewide default background level of 0.39 ppm.

<u>Lead</u> was detected in SS-2015-03 at a concentration of 1,100 ppm, which exceeds the 700 ppm Criterion and the statewide default background level of 21 ppm.

<u>Manganese</u> was detected in SS-2015-03 at a concentration of 460 ppm, SS-2015-07 at a concentration of 510 ppm, SS-2015-08 at a concentration of 810 ppm, and SS-2015-10 at a concentration of 510 ppm, which exceed the 1.0 ppm Criterion and the statewide default background level of 440 ppm.

Molybdenum was detected in SS-2015-02 at a concentration of 2.1 ppm, SS-2015-03 at a concentration of 3.5 ppm, SS-2015-07 at a concentration of 7.6 ppm, SS-2015-09 at a concentration of 2.1 ppm, and SS-2015-10 at a concentration of 2.6 ppm, which exceed the 1.5 ppm Criterion.

<u>Nickel</u> was detected in SS-2015-07 at a concentration of 160 ppm, which exceeds the 100 ppm Criterion and the statewide default background level of 20 ppm.

<u>Selenium</u> was detected in SS-2015-03 at a concentration of 16 ppm, which exceeds the 4.0 ppm Criterion and the statewide default background level of 0.41 ppm.

<u>Tetrachloroethylene</u> was detected in SS-2015-07 at a concentration of 360 parts per billion (ppb) and SS-07 at a concentration of 32,000 ppb, which exceed the 100 ppb Criterion.

<u>Zinc</u> was detected in SS-2015-07 at a concentration of 2,600 ppm and SS-2015-11 at a concentration of 5,400 ppm, which exceed the 2,400 ppm Criterion and the statewide default background level of 47 ppm.

Exceedances above the Soil Nonresidential Drinking Water Protection Criteria:

These Criteria represent concentrations of hazardous substances in soils that may leach from the soil into groundwater at concentrations in the groundwater exceeding generic Nonresidential Drinking Water Criteria.

Antimony was detected in SS-2015-03 at a concentration of 8.4 ppm and SS-2015-07 at a concentration of 6.3 ppm, which exceed the 4.3 ppm Criterion.

Arsenic was detected in SS-2015-02 at a concentration of 5.9 ppm, SS-2015-03 at a concentration of 39 ppm, SS-2015-05 at a concentration of 7.9 ppm, SS-2015-07 at a concentration of 22 ppm, SS-2015-08 at a concentration of 6.0 ppm, SS-2015-09 at a concentration of 10 ppm, SS-2015-10 at a concentration of 11 ppm, and SS-2015-11 at a concentration of 9.4 ppm, which exceed the 4.6 ppm Criterion and the statewide default background level of 5.8 ppm.

<u>Chromium (total)</u> was detected in SS-2015-02 at a concentration of 40 ppm, SS-2015-03 at a concentration of 35 ppm, SS-2015-07 at a concentration of 37 ppm, and SS-2015-08 at a concentration of 35 ppm, which exceed the 30 ppm Criterion.

<u>Cobalt</u> was detected in SS-2015-03 at a concentration of 7.7 ppm and SS-2015-07 at a concentration of 12 ppm, which exceed the 2.0 ppm Criterion and the statewide default background level of 6.8 ppm.

<u>Iron</u> was detected in SS-2015-02 at a concentration of 16,000 ppm, SS-2015-02-DUP at a concentration of 14,000 ppm, SS-2015-03 at a concentration of 19,000 ppm, SS-2015-05 at a concentration of 16,000 ppm, SS-2015-07 at a concentration of 40,000 ppm, SS-2015-08 at a concentration of 15,000 ppm, SS-2015-09 at a concentration of 21,000 ppm, SS-2015-10 at a concentration of 13,000 ppm, and SS-2015-11 at a concentration of 14,000 ppm, which exceed the 4.0 ppm Criterion and the statewide default background level of 0.39 ppm.

<u>Lead</u> was detected in SS-2015-03 at a concentration of 1,100 ppm, which exceeds the 700 ppm Criterion and the statewide default background level of 21 ppm.

<u>Manganese</u> was detected in SS-2015-03 at a concentration of 460 ppm, SS-2015-07 at a concentration of 510 ppm, SS-2015-08 at a concentration of 810 ppm, and SS-2015-10 at a concentration of 510 ppm, which exceed the 1.0 ppm Criterion and the statewide default background level of 440 ppm.

Molybdenum was detected in SS-2015-07 at a concentration of 7.6 ppm, which exceeds the 1.5 ppm Criterion.

<u>Nickel</u> was detected in SS-2015-07 at a concentration of 160 ppm, which exceeds the 100 ppm Criterion and the statewide default background level of 20 ppm.

<u>Selenium</u> was detected in SS-2015-03 at a concentration of 16 ppm, which exceeds the 4.0 ppm Criterion and the statewide default background level of 0.41 ppm.

<u>Tetrachloroethylene</u> was detected in SS-2015-07 at a concentration of 360 ppb and SS-07 at a concentration of 32,000 ppb, which exceed the 100 ppb Criterion.

Zinc was detected in SS-2015-11 at a concentration of 5,400 ppm, which exceeds the 5,000 ppm Criterion and the statewide default background level of 47 ppm.

Exceedances above the Soil Groundwater Surface Water Interface Protection Criteria:

These Criteria represent concentrations of hazardous substances in soils that may leach from the soil into groundwater at concentrations in the groundwater exceeding generic Groundwater Surface Water Interface Criteria.

Arsenic was detected in SS-2015-02 at a concentration of 5.9 ppm, SS-2015-03 at a concentration of 39 ppm, SS-2015-05 at a concentration of 7.9 ppm, SS-2015-07 at a concentration of 22 ppm, SS-2015-08 at a concentration of 6.0 ppm, SS-2015-09 at a concentration of 10 ppm, SS-2015-10 at a concentration of 11 ppm, and SS-2015-11 at a concentration of 9.4 ppm, which exceed the 4.6 ppm Criterion and the statewide default background level of 5.8 ppm.

<u>Cadmium</u> was detected in SS-2015-03 at a concentration of 4.8 ppm and SS-2015-07 at a concentration of 4.3 ppm, which exceeds the 3.6 ppm Criterion and the statewide default background level of 1.2 ppm.

Chromium (total) was detected in SS-2015-02 at a concentration of 40 ppm, SS-2015-03 at a concentration of 35 ppm, SS-2015-07 at a concentration of 37 ppm, SS-2015-08 at a concentration of 35 ppm, SS-2015-10 at a concentration of 29 ppm, and SS-2015-11 at a concentration of 27 ppm, which exceed the 3.3 ppm Criterion and the statewide default background level of 18 ppm.

<u>Cobalt</u> was detected in SS-2015-03 at a concentration of 7.7 ppm and SS-2015-07 at a concentration of 12 ppm, which exceed the 2.0 ppm Criterion and the statewide default background level of 6.8 ppm.

<u>Cyanide</u> was detected in SS-2015-02 at a concentration of 0.41 ppm, SS-2015-03 at a concentration of 1.7 ppm, SS-2015-05 at a concentration of 0.83 ppm, SS-2015-07 at a concentration of 1.0 ppm, SS-2015-10 at a concentration of 0.43 ppm, and SS-2015-11 at a concentration of 0.46 ppm, which exceed the 0.10 ppm Criterion and the statewide default background level of 0.39 ppm.

<u>Fluoranthene</u> was detected in SS-2015-02-DUP at a concentration of 7,800 ppb, SS-2015-03 at a concentration of 38,000 ppb, SS-2015-07 at a concentration of 9,800 ppb, and SS-2015-09 at a concentration of 9,200 ppb, which exceed the 5,500 ppb Criterion.

Manganese was detected in SS-2015-03 at a concentration of 460 ppm, SS-2015-07 at a concentration of 510 ppm, SS-2015-08 at a concentration of 810 ppm, and SS-2015-10 at a concentration of 510 ppm, which exceed the 56 ppm Criterion and the statewide default background level of 440 ppm.

Mercury was detected in SS-2015-03 at a concentration of 1.0 ppm, SS-2015-05 at a concentration of 0.20 ppm, SS-2015-07 at a concentration of 1.7 ppm, SS-2015-09 at a concentration of 0.20 ppm, SS-2015-10 at a concentration of 0.20 ppm, and SS-2015-11 at a concentration of 0.30 ppm, which exceed the 0.005 ppm Criterion and the statewide default background level of 0.13 ppm.

<u>Nickel</u> was detected in SS-2015-07 at a concentration of 160 ppm, which exceeds the 100 ppm Criterion and the statewide default background level of 20 ppm.

Phenanthrene was detected in SS-2015-01 at a concentration of 2,200 ppb, SS-2015-02-DUP at a concentration of 4,400 ppb, SS-2015-03 at a concentration of 18,000 ppb, SS-2015-07 at a concentration of 4,600 ppb, SS-2015-09 at a

concentration of 7,300 ppb, and SS-2015-11 at a concentration of 2,500 ppb, which exceed the 2,100 ppb Criterion.

<u>Selenium</u> was detected in SS-2015-03 at a concentration of 16 ppm, SS-2015-06 at a concentration of 0.80 ppm, SS-2015-07 at a concentration of 2.3 ppm, and SS-2015-10 at a concentration of 0.80 ppm, which exceed the 0.40 ppm Criterion and the statewide default background level of 0.41 ppm.

<u>Silver</u> was detected in SS-2015-03 at a concentration of 1.1 ppm, SS-2015-05 at a concentration of 1.2 ppm, and SS-2015-07 at a concentration of 2.3 ppm, which exceed the 0.10 ppm Criterion and the statewide default background level of 0.41 ppm.

<u>Zinc</u> was detected in SS-2015-02 at a concentration of 230 ppm, SS-2015-02-DUP at a concentration of 200 ppm, SS-2015-03 at a concentration of 980 ppm, SS-2015-05 at a concentration of 450 ppm, SS-2015-07 at a concentration of 2,600 ppm, SS-2015-09 at a concentration of 240 ppm, and SS-2015-11 at a concentration of 5,400 ppm, which exceed the 170 ppm Criterion and the statewide default background level of 47 ppm.

Exceedances above the Soil Residential Direct Contact Criteria:

These Criteria represent concentrations of hazardous substances in soils at Residential locations considered to be hazardous through dermal contact and ingestion of the soil.

Arsenic was detected in SS-2015-03 at a concentration of 39 ppm, SS-2015-05 at a concentration of 7.9 ppm, SS-2015-07 at a concentration of 22 ppm, SS-2015-09 at a concentration of 10 ppm, SS-2015-10 at a concentration of 11 ppm, and SS-2015-11 at a concentration of 9.4 ppm, which exceed the 7.6 ppm Criterion and the statewide default background level of 5.8 ppm.

Benzo(b)fluoranthene was detected in SS-2015-03 at a concentration of 26,000 ppb, which exceeds the 20,000 ppb Criterion.

Benzo(a)pyrene was detected in SS-2015-03 at a concentration of 17,000 ppb and SS-2015-07 at a concentration of 5,200 ppb, which exceed the 2,000 ppb Criterion.

<u>Lead</u> was detected in SS-2015-03 at a concentration of 1,100 ppm and SS-2015-07 at a concentration of 620 ppm, which exceed the 400 ppm Criterion and the statewide default background level of 21 ppm.

Exceedances above the Soil Nonresidential Direct Contact Criteria:

These Criteria represent concentrations of hazardous substances in soils at Nonresidential locations considered to be hazardous through dermal contact and ingestion of the soil.

<u>Arsenic</u> was detected in SS-2015-03 at a concentration of 39 ppm, which exceeds the 37 ppm Criterion and the statewide default background level of 5.8 ppm.

Benzo(a)pyrene was detected in SS-2015-03 at a concentration of 17,000 ppb, which exceeds the 8,000 ppb Criterion.

<u>Lead</u> was detected in SS-2015-03 at a concentration of 1,100 ppm, which exceeds the 900 ppm Criterion and the statewide default background level of 21 ppm.

Soil Boring Samples

The intent of the soil boring sampling was to identify potential contamination in the deep soils, to determine if any downward migration of contamination has occurred from probable source areas, and to determine potential health and safety concerns, including threats posed to nearby residential populations, future workers or occupants, or resources associated with the deep soils at the Property. To accomplish this sampling task, 11 soil boring samples were collected from 10 separate boring locations during the BFRA. All samples were collected utilizing a hand auger or a Geoprobe® rig with a high density polyethylene lined Macro-Core® sampler from depths ranging from 0 to 12 feet below the ground surface according to the procedures outlined in the work plan. These procedures included screening the core with a photoionization detector to help determine the presence of VOCs and potential sampling points within the cores. All soil boring boreholes were properly abandoned following an approved standard operating procedure. This procedure entailed slowly filling the abandoned borehole with bentonite chips to within six inches of the surface then topping off the borehole with immediate surrounding material.

See Figure 4 for a map showing soil boring sample locations. A description of the soil boring locations, lithology, and sample characteristics can be found in Table 3. Table 4 provides a summary of the soil boring sample analytical results that exceed Part 201 Criteria and lists the Criteria exceedances.

Analysis of the soil boring samples collected during the BFRA detected the presence of organic compounds and inorganic analytes at concentrations above Part 201 Criteria. The following lists the Criteria exceedances for soil boring samples and the compounds/ analytes and samples with concentrations in excess of Criteria. The full extent of the contaminants in the deep soils was not delineated during the BFRA of the Tree Farm property.

Exceedances above the Soil Residential Drinking Water Protection Criteria:

These Criteria represent concentrations of hazardous substances in soils that may leach from the soil into groundwater at concentrations in the groundwater exceeding generic Residential Drinking Water Criteria.

Antimony was detected in SB-2015-02 at a concentration of 7.8 ppm and SB-2015-05 at a concentration of 13 ppm, which exceed the 4.3 ppm Criterion.

<u>Arsenic</u> was detected in SB-2015-02 at a concentration of 21 ppm, SB-2015-05 at a concentration of 21 ppm, SB-2015-06 at a concentration of 12 ppm, and SB-2015-07 at a concentration of 9.9 ppm, which exceed the 4.6 ppm Criterion and the statewide default background level of 5.8 ppm.

<u>Cadmium</u> was detected in SB-2015-05 at a concentration of 12 ppm, which exceeds the 6.0 ppm Criterion and the statewide default background level of 1.2 ppm.

<u>Chromium (total)</u> was detected in SB-2015-02 at a concentration of 52 ppm and SB-2015-05 at a concentration of 58 ppm, which exceed the 30 ppm Criterion and the statewide default background level of 18 ppm.

<u>Cobalt</u> was detected in SB-2015-02 at a concentration of 9.2 ppm and SB-2015-05 at a concentration of 10 ppm, which exceed the 0.8 ppm Criterion and the statewide default background level of 6.8 ppm.

<u>Iron</u> was detected in SB-2015-02 at a concentration of 87,000 ppm, SB-2015-03 at a concentration of 13,000 ppm, SB-2015-04 at a concentration of 13,000 ppm, SB-2015-05 at a concentration of 41,000 ppm, SB-2015-06 at a concentration of 18,000 ppm, SB-2015-07 at a concentration of 15,000 ppm, and SB-2015-10 at a concentration of 14,000 ppm, which exceed the 4.0 ppm Criterion and the statewide default background level of 0.39 ppm.

<u>Lead</u> was detected in SB-2015-02 at a concentration of 1,200 ppm, SB-2015-05 at a concentration of 940 ppm, and SB-2015-06 at a concentration of 1,900 ppm, which exceeds the 700 ppm Criterion and the statewide default background level of 21 ppm.

<u>Manganese</u> was detected in SB-2015-01 at a concentration of 780 ppm, SB-2015-02 at a concentration of 510 ppm, SB-2015-04 at a concentration of 640 ppm, and SB-2015-05 at a concentration of 620 ppm, which exceed the 1.0 ppm Criterion and the statewide default background level of 440 ppm.

Molybdenum was detected in SB-2015-02 at a concentration of 4.7 ppm, SB-2015-05 at a concentration of 13 ppm, and SB-2015-06 at a concentration of 1.8 ppm, which exceed the 1.5 ppm Criterion.

<u>Silver</u> was detected in SB-2015-05 at a concentration of 39 ppm, which exceeds the 4.5 ppm Criterion and the statewide default background level of 1.0 ppm.

Exceedances above the Soil Nonresidential Drinking Water Protection Criteria:

These Criteria represent concentrations of hazardous substances in soils that may leach from the soil into groundwater at concentrations in the groundwater exceeding generic Nonresidential Drinking Water Criteria.

Antimony was detected in SB-2015-02 at a concentration of 7.8 ppm and SB-2015-05 at a concentration of 13 ppm, which exceed the 4.3 ppm Criterion.

<u>Arsenic</u> was detected in SB-2015-02 at a concentration of 21 ppm, SB-2015-05 at a concentration of 21 ppm, SB-2015-06 at a concentration of 12 ppm, and SB-2015-07 at a concentration of 9.9 ppm, which exceed the 4.6 ppm Criterion and the statewide default background level of 5.8 ppm.

<u>Cadmium</u> was detected in SB-2015-05 at a concentration of 12 ppm, which exceeds the 6.0 ppm Criterion and the statewide default background level of 1.2 ppm.

Chromium (total) was detected in SB-2015-02 at a concentration of 52 ppm and SB-2015-05 at a concentration of 58 ppm, which exceed the 30 ppm Criterion and the statewide default background level of 18 ppm.

<u>Cobalt</u> was detected in SB-2015-02 at a concentration of 9.2 ppm and SB-2015-05 at a concentration of 10 ppm, which exceed the 2.0 ppm Criterion and the statewide default background level of 6.8 ppm.

<u>Iron</u> was detected in SB-2015-02 at a concentration of 87,000 ppm, SB-2015-03 at a concentration of 13,000 ppm, SB-2015-04 at a concentration of 13,000 ppm, SB-2015-05 at a concentration of 41,000 ppm, SB-2015-06 at a concentration of 18,000 ppm, SB-2015-07 at a concentration of 15,000 ppm, and SB-2015-10 at a concentration of 14,000 ppm, which exceed the 4.0 ppm Criterion and the statewide default background level of 0.39 ppm.

<u>Lead</u> was detected in SB-2015-02 at a concentration of 1,200 ppm, SB-2015-05 at a concentration of 940 ppm, and SB-2015-06 at a concentration of 1,900 ppm, which exceeds the 700 ppm Criterion and the statewide default background level of 21 ppm.

<u>Manganese</u> was detected in SB-2015-01 at a concentration of 780 ppm, SB-2015-02 at a concentration of 510 ppm, SB-2015-04 at a concentration of 640 ppm, and SB-2015-05 at a concentration of 620 ppm, which exceed the 1.0 ppm Criterion and the statewide default background level of 440 ppm.

Molybdenum was detected in SB-2015-02 at a concentration of 4.7 ppm and SB-2015-05 at a concentration of 13 ppm, which exceed the 4.2 ppm Criterion.

<u>Silver</u> was detected in SB-2015-05 at a concentration of 39 ppm, which exceeds the 13 ppm Criterion and the statewide default background level of 1.0 ppm.

Exceedances above the Soil Groundwater Surface Water Interface Protection Criteria:

These Criteria represent concentrations of hazardous substances in soils that may leach from the soil into groundwater at concentrations in the groundwater exceeding generic Groundwater Surface Water Interface Criteria.

<u>Arsenic</u> was detected in SB-2015-02 at a concentration of 21 ppm, SB-2015-05 at a concentration of 21 ppm, SB-2015-06 at a concentration of 12 ppm, and SB-2015-07 at a concentration of 9.9 ppm, which exceed the 4.6 ppm Criterion and the statewide default background level of 5.8 ppm.

<u>Barium</u> was detected in SB-2015-02 at a concentration of 700 ppm, SB-2015-05 at a concentration of 600 ppm, and SB-2015-06 at a concentration of 440 ppm, which exceeds the 440 ppm Criterion and the statewide default background level of 1.2 ppm.

<u>Cadmium</u> was detected in SB-2015-02 at a concentration of 5.3 ppm, SB-2015-05 at a concentration of 12 ppm, which exceed the 3.6 ppm Criterion and the statewide default background level of 1.2 ppm.

<u>Chromium (total)</u> was detected in SB-2015-02 at a concentration of 52 ppm, SB-2015-05 at a concentration of 58 ppm, and SB-2015-06 at a concentration of 23 ppm, which exceed the 3.3 ppm Criterion and the statewide default background level of 18 ppm.

<u>Cobalt</u> was detected in SB-2015-02 at a concentration of 9.2 ppm and SB-2015-05 at a concentration of 10 ppm, which exceed the 2.0 ppm Criterion and the statewide default background level of 6.8 ppm.

<u>Copper</u> was detected in SB-2015-02 at a concentration of 200 ppm, SB-2015-05 at a concentration of 1,500 ppm, and SB-2015-06 at a concentration of 250 ppm, which exceed the 75 ppm Criterion and the statewide default background level of 32 ppm.

Cyanide was detected in SB-2015-05 at a concentration of 1.2 ppm, SB-2015-06 at a concentration of 0.40 ppm, and SB-2015-10 at a concentration of 1.8 ppm which exceed the 0.10 ppm Criterion and the statewide default background level of 0.39 ppm.

<u>Fluoranthene</u> was detected in SB-2015-05 at a concentration of 45,000 ppb and SB-2015-06 at a concentration of 8,100 ppb, which exceed the 5,500 ppb Criterion.

Manganese was detected in SB-2015-01 at a concentration of 780 ppm, SB-2015-02 at a concentration of 510 ppm, SB-2015-04 at a concentration of 640 ppm, and SB-2015-05 at a concentration of 620 ppm, which exceed the 56 ppm Criterion and the statewide default background level of 440 ppm.

Mercury was detected in SB-2015-02 at a concentration of 0.20 ppm, SB-2015-05 at a concentration of 0.50 ppm, and SB-2015-06 at a concentration of 0.20 ppm, which exceed the 0.005 ppm Criterion and the statewide default background level of 0.13 ppm.

Molybdenum was detected in SB-2015-02 at a concentration of 4.7 ppm and SB-2015-05 at a concentration of 13 ppm, which exceed the 4.2 ppm Criterion.

<u>Naphthalene</u> was detected in SB-2015-05 at a concentration of 3,000 ppb, which exceeds the 730 ppb Criterion.

<u>Phenanthrene</u> was detected in SB-2015-05 at a concentration of 33,000 ppb and SB-2015-06 at a concentration of 4,100 ppb, which exceed the 2,100 ppb Criterion.

<u>Silver</u> was detected in SB-2015-05 at a concentration of 39 ppm, which exceeds the 0.10 ppm Criterion and the statewide default background level of 1.0 ppm.

Zinc was detected in SB-2015-02 at a concentration of 2,100 ppm, SB-2015-05 at a concentration of 1,000 ppm, and SB-2015-10 at a concentration of 340 ppm, which exceed the 170 ppm Criterion and the statewide default background level of 47 ppm.

Exceedances above the Soil Residential Direct Contact Criteria:

These Criteria represent concentrations of hazardous substances in soils at Residential locations considered to be hazardous through dermal contact and ingestion of the soil.

Arsenic was detected in SB-2015-02 at a concentration of 21 ppm, SB-2015-05 at a concentration of 21 ppm, SB-2015-06 at a concentration of 12 ppm, and SB-2015-07 at a concentration of 9.9 ppm, which exceed the 7.6 ppm Criterion and the statewide default background level of 5.8 ppm.

<u>Benzo(b)fluoranthene</u> was detected in SB-2015-05 at a concentration of 23,000 ppb, which exceeds the 20,000 ppb Criterion.

Benzo(a)pyrene was detected in SB-2015-05 at a concentration of 17,000 ppb, which exceeds the 2,000 ppb Criterion.

<u>Lead</u> was detected in SB-2015-02 at a concentration of 1,200 ppm, SB-2015-05 at a concentration of 940 ppm, and SB-2015-06 at a concentration of 1,900 ppm, which exceed the 400 ppm Criterion and the statewide default background level, of 21 ppm.

Exceedances above the Soil Nonresidential Direct Contact Criteria:

These Criteria represent concentrations of hazardous substances in soils at Nonresidential locations considered to be hazardous through dermal contact and ingestion of the soil.

Benzo(a)pyrene was detected in SB-2015-05 at a concentration of 17,000 ppb, which exceeds the 8,000 ppb Criterion.

<u>Lead</u> was detected in SB-2015-02 at a concentration of 1,200 ppm, SB-2015-05 at a concentration of 940 ppm, and SB-2015-06 at a concentration of 1,900 ppm, which exceed the 900 ppm Criterion and the statewide default background level of 21 ppm.

Groundwater Samples

The intent of the groundwater sampling was to identify potential contamination in the groundwater, to determine if any downward migration of possible contamination had occurred from probable source areas into the shallow aquifer, to determine if methane was present in groundwater, and to determine potential health and safety concerns, including threats posed to nearby residential populations, future workers or occupants, or resources associated with the groundwater in the area of the Property. To accomplish this sampling task, 5 groundwater samples (plus 1 duplicate sample) were collected for regular organic and inorganic analyses from 13 temporary monitoring wells installed using a Geoprobe[®] rig according to the procedures outlined in the work plan. In addition, 11 groundwater samples (plus 1 duplicate sample) were collected from the wells and analyzed for methane.

The temporary monitoring wells were installed by driving small diameter well points directly into the aquifer after pre-probing the hole with a macro-core sampler. The temporary monitoring wells were constructed of one-inch polyvinyl chloride (PVC) riser pipe with a one-foot section of one-inch PVC #10 slot well screen. According to the work plan, the well screens were set at about 5 feet below ground level in zones where groundwater was first encountered and any visible waste was noted. Additional nested wells were set at deeper depths. The deeper well screens were set from 7 to 24 feet below ground level and along the perimeter of the Property to determine if methane is migrating onto the Property. See Figure 5 for a map showing the temporary monitoring well sample locations. Information on the groundwater sample characteristics and the temporary monitoring well construction can be found in Table 5.

Upon installation, the wells were purged of heavy sediment and a steady low-flow purge rate of less than 500 milliliters/minute was established. The wells were purged using dedicated low density polyethylene (LDPE) and C-FLEX® tubing and a peristaltic pump. During the low-flow purging, temperature, pH, conductivity, oxidation reduction potential, and total dissolved solids were measured at continuing intervals until these measurements stabilized. Once the listed groundwater parameters had stabilized or after the well purged dry and recharged, the well was sampled using low-flow techniques as outlined in the work plan. If the wells failed to recharge, no groundwater samples were collected. Temporary monitoring well samples were collected utilizing LDPE and C-FLEX® tubing and a peristaltic pump. Table 6 provides a summary of the temporary monitoring well sample analytical results that exceed Part 201 Criteria and lists the Criteria exceedances. In addition to the regular analyses, groundwater samples were collected for methane analysis, if possible. The methane results for the temporary monitoring wells are also listed below and in Table 6.

After collecting groundwater samples, the temporary monitoring wells were removed and the boreholes were properly abandoned following an approved standard operating procedure. This procedure entailed slowly filling the abandoned borehole with bentonite chips to within six inches of the surface then topping off the borehole with immediate surrounding material.

Analysis of the groundwater samples collected during the BFRA detected the presence of levels of organic compounds and inorganic analytes at concentrations above their respective Part 201 Criteria. The following lists the criteria exceedances for groundwater samples and the compounds/analytes and samples with concentrations in excess of criteria. The full extent of the contaminants in the groundwater was not delineated during the BFRA of the Tree Farm property.

Exceedances above the Residential Drinking Water Criteria:

These Criteria represent concentrations of hazardous substances in groundwater that pose a risk to Residential drinking water.

Arsenic was detected in TMW-03 (15-16') at a concentration of 14 micrograms per liter (ug/L) and TMW-10 (6.5-7.5') at a concentration of 11 ug/L, which exceed the 10 ug/L Criterion.

Iron was detected in TMW-02 (13-14') at a concentration of 7,600 ug/L, TMW-02 (13-14')-DUP at a concentration of 7,600 ug/L, TMW-03 (15-16') at a concentration of 6,200 ug/L, TMW-05 (23-24') at a concentration of 9,900 ug/L, and TMW-10 (6.5-7.5') at a concentration of 11,000 ug/L, which exceeds the 300 ug/L Criterion.

<u>Lead</u> was detected in TMW-05 (23-24') at a concentration of 5.7 ug/L, which exceeds the 4.0 ug/L Criterion.

Manganese was detected in TMW-01 (10-11') at a concentration of 160 ug/L, TMW-02 (13-14') at a concentration of 200 ug/L, TMW-02 (13-14')-DUP at a concentration of 230 ug/L, TMW-03 (15-16') at a concentration of 170 ug/L, TMW-05 (23-24') at a concentration of 290 ug/L, and TMW-10 (6.5-7.5') at a concentration of 440 ug/L, which exceed the 50 ug/L Criterion.

<u>Vanadium</u> was detected in TMW-02 (13-14') at a concentration of 5.7 ug/L, TMW-02 (13-14')-DUP at a concentration of 5.3 ug/L, TMW-03 (15-16') at a concentration of 5.8 ug/L, and TMW-05 (23-24') at a concentration of 11 ug/L, which exceed the 4.5 ug/L Criterion.

Exceedances above the Nonresidential Drinking Water Criteria:

These Criteria represent concentrations of hazardous substances in groundwater that pose a risk to Nonresidential drinking water.

<u>Arsenic</u> was detected in TMW-03 (15-16') at a concentration of 14 ug/L and TMW-10 (6.5-7.5') at a concentration of 11 ug/L, which exceed the 10 ug/L Criterion.

Iron was detected in TMW-02 (13-14') at a concentration of 7,600 ug/L, TMW-02 (13-14')-DUP at a concentration of 7,600 ug/L, TMW-03 (15-16') at a concentration of 6,200 ug/L, TMW-05 (23-24') at a concentration of 9,900 ug/L, and TMW-10 (6.5-7.5') at a concentration of 11,000 ug/L, which exceeds the 300 ug/L Criterion.

<u>Lead</u> was detected in TMW-05 (23-24') at a concentration of 5.7 ug/L, which exceeds the 4.0 ug/L Criterion.

Manganese was detected in TMW-01 (10-11') at a concentration of 160 ug/L, TMW-02 (13-14') at a concentration of 200 ug/L, TMW-02 (13-14')-DUP at a concentration of 230 ug/L, TMW-03 (15-16') at a concentration of 170 ug/L, TMW-05 (23-24') at a concentration of 290 ug/L, and TMW-10 (6.5-7.5') at a concentration of 440 ug/L, which exceed the 50 ug/L Criterion.

Exceedances above the Groundwater Surface Water Interface Criteria:

These Criteria represent concentrations of hazardous substances in groundwater that pose a risk to surface water through migration of contaminated groundwater to surface water.

Arsenic was detected in TMW-03 (15-16') at a concentration of 14 ug/L and TMW-10 (6.5-7.5') at a concentration of 11 ug/L, which exceed the 10 ug/L Criterion.

Copper was detected in TMW-01 (10-11') at a concentration of 33 ug/L, TMW-03 (15-16') at a concentration of 14 ug/L, and TMW-05 (23-24') at a concentration of 14 ug/L, which exceed the 13 ug/L Criterion.

4-4'-DDT was detected in TMW-05 (23-24') at a concentration of 0.039 ug/L, which exceeds the 0.02 ug/L Criterion.

Listed below are the methane results for the groundwater samples collected from the temporary monitoring wells that produced sufficient groundwater volume to be sampled.

Groundwater Samples	Methane
TMW-01 (6-7')	21 ug/L
TMW-01 (10-11')	25 ug/L
TMW-02 (13-14')	27 ug/L
TMW-02 (13-14')-DUP	15 ug/L
TMW-03 (15-16')	16 ug/L
TMW-04 (5-6')	100 ug/L
TMW-05 (23-24')	24 ug/L
TMW-06 (20-21')	18 ug/L
TMW-07 (17-18')	19 ug/L
TMW-08 (19-20')	ND
TMW-09 (12-13')	6,200 ug/L
TMW-10 (6.5-7.5')	8,300 ug/L

Soil Gas Samples

The intent of the soil gas sampling was to evaluate the vapor intrusion exposure pathway in terms of methane generated from the buried waste and trees and the nearby landfills that could potentially migrate into future buildings if constructed on the Property and to determine any potential threats to future users, workers, or nearby residential populations. A total of 19 soil gas samples were collected from 10 soil vapor points and 9 temporary monitoring wells (head space samples). The soil vapor monitoring points were constructed of a 1-foot length of 1-inch diameter, #10 slotted PVC screen and 1-inch

diameter PVC riser pipe, similar to the temporary monitoring wells. Table 7 contains the Soil Gas Sample Descriptions and Data Summary. See Figure 6 for the Soil Gas Sample Locations map.

The results for the soil gas samples collected from both the soil vapor points and the temporary monitoring well head space are listed below:

Soil Vapor Samples	Methane
SGP-01(3-4')	Non Detect (ND)
SGP-02 (2.5-3.5')	150 parts per million by volume (ppmv)
SGP-03 (4.5-5.5')	ND
SGP-04 (3-4')	ND
SGP-05 (5-6')	ND
SGP-06 (6-7')	ND
SGP-07 (4-5')	ND
SGP-08 (9-10')	, ND
SGP-09 (3.5-4.5')	35,000 ppmv
SGP-10 (2.5-3.5')	210,000 ppmv
TMW-01 (6-7')	18 ppmv
TMVV-01 (10-11')	No Vapor Sample Collected
TMW-02 (4.5-5.5')	No Vapor Sample Collected
TMW-02 (13-14')	ND
TMW-03 (15-16')	70 ppmv
TMW-04 (5-6')	NDND
TMW-04 (6-7')	No Vapor Sample Collected
TMW-05 (23-24')	ND ·
TMW-06 (20-21')	ND
TMW-07 (17-18')	ND
TMW-08 (19-20')	ND
TMW-09 (12-13')	7,800 ppmv
TMW-10 (6.5-7.5')	No Vapor Sample Collected

The Vapor Intrusion Indoor Air Screening Level for methane is 12,500 ppmv. Methane was detected in two of the soil vapor samples at concentrations that exceed the Vapor Intrusion Indoor Air Screening Level as noted in the shaded cells above.

After collecting the soil gas samples, the soil gas points and the temporary monitoring wells were removed and the boreholes were properly abandoned following an approved standard operating procedure. This procedure entailed slowly filling the abandoned borehole with bentonite chips to within six inches of the surface then topping off the borehole with immediate surrounding material.

Surface Water Samples

The intent of the surface water sampling was to identify potential contamination in the surface water, to determine whether contaminants had migrated from the Property into the Honeywell Ditch and/or surface drainage area on the Property; and to determine potential health and safety concerns, including threats posed to nearby residential populations, future workers or occupants, or resources associated with the surface water in the area of the Property. To accomplish this sampling task, two surface water samples (plus one duplicate sample) were collected from a discharge pipe flowing into the Honeywell Ditch and the surface drainage, between the two fill areas, that flows into the Honeywell Ditch, according to the procedures outlined in the work plan.

A background surface water sample was not collected from the Honeywell Ditch, upstream of the fill areas on the Tree Farm property. SW-2015-01 was collected from the water flowing out of a 2-foot diameter, clay, discharge pipe located along the north bank of the Honeywell Ditch along the southern boundary of the Tree Farm property. SW-2015-02 and SW-2015-02-DUP were collected from the surface drainage located between the two fill areas that flows into the Honeywell Ditch. Surface water sample locations are shown in Figure 7.

Sample SW-2015-01 was collected from the water flowing out of the discharge pipe, while SW-2015-02 and SW-2015-02-DUP were collected by completely immersing the sample bottles into the water in the drainage ditch. The metals analysis samples were not field filtered, and all inorganic and volatile samples were properly preserved and placed on ice in the sampling coolers. Each water sample was collected before the sediment sample at each location to minimize disturbing the water quality. During sampling, the temperature, pH, conductivity, and total dissolved solids were measured. A description of the surface water sample locations and sample characteristics are found in Table 8.

The laboratory results for surface water samples collected during the BFRA were compared to three of Part 201 Criteria for groundwater, specifically the Residential Drinking Water Criteria, Nonresidential Drinking Water Criteria, and Groundwater Surface Water Interface (GSI) Criteria. While these criteria are not technically applicable to surface water, they can indicate a potential risk. Table 9 provides a summary of the surface water sample analytical results. Shaded cells in the table indicate those screening levels exceeded by the sample concentrations. Only iron and manganese were detected in the surface water samples at concentrations exceeding the Residential Drinking Water Criteria and Nonresidential Drinking Water Criteria. It should be noted that the concentrations only exceeded the aesthetic drinking water values and not the health-based drinking water values. The full extent of any possible contaminants in the surface water was not delineated during the BFRA of the Tree Farm property.

Sediment Samples

The intent of the sediment sampling was to identify potential contamination in the sediment, to determine whether contaminants had migrated from the Property into the Honeywell Ditch and/or surface drainage area on the Property; and to determine potential health and safety concerns, including threats posed to nearby residential populations, future workers or occupants, or resources associated with the sediments in the area of the Property. To accomplish this sampling task, two sediment samples were collected, one in the Honeywell Ditch at the discharge pipe and the other at the surface drainage between the two fill areas. Samples were collected according to the procedures outlined in the work plan.

A background sediment sample was not collected from the Honeywell Ditch, upstream of the fill areas or the drainage pipe on the Tree Farm property. SD-2015-01 was collected at the base of the discharge pipe located along the north bank of the Honeywell Ditch that flows from the Tree Farm property. SD-2105-02 was collected from the surface drainage between the two fill areas on the Property. Sediment sample locations are shown in Figure 7.

Field staff collected samples with a 2-inch diameter, stainless steel, sediment core or a stainless steel trowel. Sediment sample SD-2015-01 was collected with a trowel, while sediment sample SD-2015-02 was collected with a sediment core. Samples were collected in accordance with procedures described in the work plan for the Tree Farm property. A description of the sediment sample locations and sample characteristics are found in Table 10.

Analysis of the sediment samples collected during the BFRA detected the presence of one inorganic analyte and three pesticides compounds at concentrations exceeding Part 201 Sediment Screening Levels. The inorganic analyte, arsenic, was detected in sediment sample SD-2015-01 at a concentration of 6.0 ppm. The three pesticides, 4-4'-DDD, 4-4'-DDE, and 4-4'-DDT, were detected in sediment samples SD-2015-02 and SD-2015-02-DUP. Since the MDEQ has not yet established generic Sediment Cleanup Criteria, only screening values are used in this evaluation. Table 11 provides a summary of the sediment sample analytical results that exceeded Part 201 Sediment Screening Levels or Part 201 Soil Criteria (GSI Protection and Direct Contact used as screening levels). Shaded cells in the table indicate those screening levels exceeded by the sample concentrations.

The MDEQ's sediments characterization guidance noted above bases some of its screening levels on a U.S. EPA guide for assessing sediment contamination, which includes recommendations for the use of sediment background values. That guide states that exceedances of sediment quality guidelines provide evidence for contamination, but "it should be recognized that all or a portion of the exceedances may be associated with elevated background concentrations."

Both sediment samples contained hazardous substances exceeding Part 201 Sediment Screening Levels or Part 201 Soil Criteria used as screening levels. However, hazardous substance concentrations exceeding screening levels are not considered Cleanup Criteria and such results can only be used in a subjective manner. Screening level exceedances cannot be used to determine facility status, for example. Nevertheless, three pesticide compounds and the inorganic analyte, arsenic, exceeded the screening levels as follows:

- Arsenic detected in SD-2015-01 above screening levels at a concentration of 6.0 ppm.
- 4-4'-DDD detected in SD-2015-02 and SD-2015-02-DUP above screening levels at a concentration of 24 ppb and 26 ppb, respectively.
- 4-4'-DDE detected in SD-2015-02 and SD-2015-02-DUP above screening levels at a concentration of 27 ppb and 29 ppb, respectively.
- 4-4'-DDT detected in SD-2015-02 and SD-2015-02-DUP above screening levels at a concentration of 52 ppb and 50 ppb, respectively.

DISCUSSION

MDEQ staff conducted a BFRA of the Property in accordance with the CA with the U.S. EPA and according to the approved work plan. The BFRA included file and information searches, reconnaissance inspections of the Property, the collection and analyses of surficial soil, subsurface soil, groundwater, soil gas, surface water and sediment samples, GPS data collection of sample locations and Property features, and the collection of site feature photographs, data evaluation, and the compilation of all this data into this report.

Analysis of the samples collected during the BFRA of the Property detected the presence of antimony, arsenic, barium, benzo(b)fluoranthene, benzo(a)pyrene, cadmium, chromium, cobalt, copper, cyanide, 4-4'-DDD, 4-4'-DDE, 4-4'-DDT, fluoranthene, iron, lead, manganese, mercury, methane, molybdenum, naphthalene, nickel, phenanthrene, selenium, silver, tetrachloroethylene, vanadium, and zinc at concentrations greater than the Generic Residential Cleanup Criteria or Screening Levels. Because these contaminants were detected at concentrations in excess of Generic Residential Cleanup Criteria, the Property does meet the definition of a facility under Part 201.

The contaminants of concern (COCs) in the surficial soils on the Property include: antimony, arsenic, benzo(b)fluoranthene, benzo(a)pyrene, cadmium, chromium (total), cobalt, cyanide, fluoranthene, iron, lead, manganese, mercury, molybdenum, nickel, phenanthrene, selenium, silver, tetrachloroethylene, and zinc. Arsenic was detected in six of the surficial soil samples at concentrations above Soil Residential Direct Contact Criterion. The concentrations of arsenic range from 7.9 to 39 ppm, with the highest concentration detected in SS-2015-03. Benzo(b)fluoranthene and benzo(a)pyrene were detected in SS-2015-03 at a concentration which exceed Soil Residential Direct Contact Criteria. Lead was detected in SS-2015-03 and SS-2015-07 at concentrations which exceed Soil Residential Direct Contact Criterion. All the remaining COCs were detected at concentrations that exceeded Groundwater Protection Criteria.

The COCs in the deep soils on the Property include: antimony, arsenic, barium, benzo(b)fluoranthene, benzo(a)pyrene, cadmium, chromium (total), cobalt, copper, cyanide, fluoranthene, iron, lead, manganese, mercury, molybdenum, naphthalene, phenanthrene, silver, and zinc. Arsenic was detected in four of the soil boring samples above Soil Residential Direct Contact Criterion. The concentrations of arsenic range from 9.9 to 22 ppm. Benzo(b)fluoranthene and benzo(a)pyrene were detected in SB-2015-05 at a concentration exceeding Soil Residential Direct Contact Criteria. Lead was detected in three of the soil boring samples at concentrations exceeding Soil Residential Direct Contact Criterion. The concentrations of lead range from 940 to 1,900 ppm, with the highest concentration detected in SB-2015-06. All the remaining COCs were detected at concentrations that exceeded Groundwater Protection Criteria.

The COCs in the groundwater on the Property include: arsenic, copper, 4-4'-DDT, iron, lead, manganese, and vanadium. Arsenic was detected in two of the temporary monitoring wells at concentrations that exceed Residential Drinking Water Criteria: TMW-03 (15-16') at 14 ug/L and TMW-10 (6.5-7.5') at 11 ug/L. Iron was detected in four of the temporary monitoring wells at concentrations that exceed Residential Drinking Water Criteria: TMW-02 (13-14') at 7,600 ug/L, TMW-02 (13-14')-DUP at 7,600 ug/L, TMW-03 (15-16') at 6,200 ug/L, TMW-05 (23-24') at 9,900 ug/L, and TMW-10 (6.5-7.5') at 11,000 ug/L. Lead was detected at a concentration that exceeds Residential Drinking Water Criteria in TMW-05 (23-24') at 5.7 ug/L. Manganese was detected in five of the temporary monitoring wells at concentrations that exceed Residential Drinking Water Criteria: TMW-01 (10-11') at 160 ug/L, TMW-02 (13-14') at 200 ug/L, TMW-02 (13-14')-DUP at 230 ug/L, TMW-03 (15-16') at 170 ug/L, TMW-05 (23-24') at 290 ug/L, and TMW-10 (6.5-7.5') at 440 ug/L. Vanadium was detected in four of the temporary monitoring well samples at concentrations that exceed Residential Drinking Water Criteria: TMW-02 (13-14'), at 5.7 ug/L, TMW-02 (13-14')-DUP at 5.3 ug/L, TMW-03 (15-16') at 5.8 ug/L, and TMW-05 (23-24') at 11 ug/L.

Methane was detected in all but one of the temporary monitoring wells sampled and the concentrations ranged from 16 to 8,300 ug/L; with the two highest concentrations detected in TMW-09 (12-13') at 6,200 ug/L and TMW-10 (6.5-7.5') at 8,300 ug/L. TMW-09 and TMW-10 were located in the fill area near the southwest corner of the Property.

Methane was detected in two of the soil vapor samples at concentrations that exceed the Vapor Intrusion Indoor Air Screening Level for methane, which is 12,500 ppmv (or 1.25% by volume - which is derived utilizing 25% of the lower explosive level for methane). The concentrations of methane ranged from 35,000 to 210,000 ppmv, with the concentrations detected in SGP-09 (35,000 ppmv) and SGP-10 at (210,000 ppmv). These two samples, SGP-09 and SGP-10, were located in the fill area near the southwest corner of the Property, adjacent to temporary monitoring wells TMW-09 and TMW-10.

The contaminants in the surface water samples on the Property include: iron and manganese at concentrations above Residential Drinking Water Criteria. While these criteria are not technically applicable to surface water, it can indicate a potential risk. The contaminants in the sediment samples on the Property include: arsenic, 4-4'-DDD, 4-4'-DDE, and 4-4'-DDT. The concentrations exceeded Part 201 Sediment Screening Levels or Part 201 Soil Criteria used as screening levels.

Based on the findings of the BFRA investigation, the following issues should be addressed before or during the redevelopment of the Property:

- Action should be taken to abate the potential threat caused by the presence of contaminants exceeding Residential Cleanup Criteria in the soils by mitigation of these contaminants or restricting access to the contaminated areas. Arsenic, benzo(b)fluoranthene, benzo(a)pyrene, and lead were detected in both the surficial soil and soil boring samples at concentrations which exceed the Residential Direct Contact Criteria. The extent of these contaminants should be determined and proper action should be taken to mitigate the soils. In some cases, further evaluation of certain inorganic analytes found at levels above default background levels may show that some of the inorganic analytes may be naturally occurring at those levels, thereby eliminating the need for mitigation.
- Contaminants were detected in the shallow and deep soil samples that exceeded both the Drinking Water Protection Criteria and the GSI Protection Criteria. Future redevelopment activities should be conducted in a manner that will not cause additional or adverse leaching of the contaminants in the soils into the groundwater.
- Because of contaminants detected in the shallow groundwater at levels exceeding drinking water standards, the shallow groundwater at the Property should not be used for drinking water purposes; redevelopment activities should not exacerbate contaminated groundwater migration.
- Because methane was detected at levels exceeding Vapor Intrusion Indoor Air Screening Level in the soil vapor samples collected in the fill area, consideration for the construction of buildings over and adjacent to tree disposal areas may require constructed vapor mitigation systems, or removal of the tree waste.
- A more detailed study of the background levels of naturally occurring inorganic analytes in the area may be conducted to determine whether these levels on the Property are of concern and if a site-specific background should be substituted for the calculated Cleanup Criteria.
- The contaminants of concern should be considered with respect to responsibilities that may exist under Part 201. The nature of any response activity that may be required is dependent on the intended use of the Property and the party's liability under Part 201. A person who is liable for the contamination is required to achieve cleanup of the Property consistent with the cleanup Criteria. The relevant Criteria are a function of the intended

property use, such as residential or nonresidential. A non-liable developer is not required to implement a cleanup to achieve the appropriate cleanup Criteria. However, a non-liable party must comply with the "due care" obligations specified in Section 7a of Part 201. These obligations include not exacerbating the existing contamination, exercising due care to assure there are not unacceptable exposures, and taking reasonable precautions against the reasonably foreseeable activities of third parties.

 Further information concerning Part 201 cleanup criteria, due care provisions, and remedial and/or removal activities may be obtained from the MDEQ, RRD, Southeast Michigan District Office at 586-753-3700.

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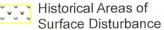


FIGURE 2 PROPERTY FEATURES East Avon Road Tree Farm Area Parcel Number: 70-15-24-100-049 Building **Footprint** Uprooted rees with cel Number: 15-24-100-021 Debris 55-Gallon Oil Drum Septic Tank Honeywell Ditch Discharge pipe into Honeywell Ditch Appliance **Rusty Drum** Honeywell Ditch

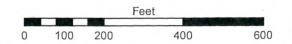
Tree Farm 1406 East Avon Road Rochester Hills, MI 48307 T3N R11E Section 24 Oakland County MIB000000196

Legend

Buried Pipeline
Power Line



Property Boundary





Compiled by: Leni L. Steiner-Zehender December 2015 Projected Coordinate System: Michigan GeoRef, NAD-83, meters Completed with ESRI ArcMap 10.3.1 Source: Michigan Geographic Data Library and MSU RS&GIS 2014 Aerial



Tree Farm 1406 East Avon Road Rochester Hills, MI 48307 T3N R11E Section 24 Oakland County MIB000000196

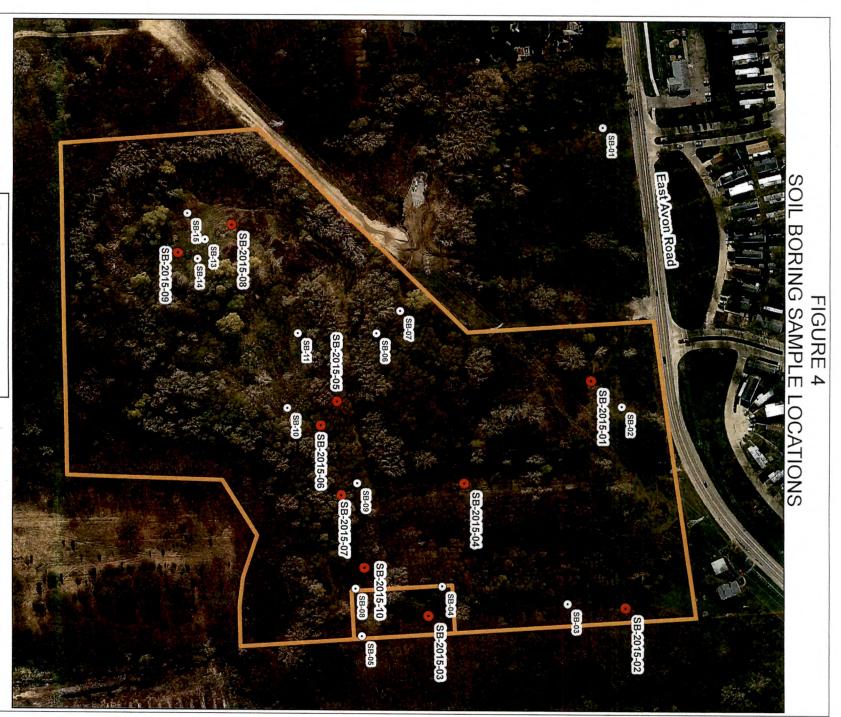
- SS-01 Surficial Soil 01 2011 BFRA
- SS-2015-01 Surficial Soil 01

Property Boundary





Compiled by: Leni L. Steiner-Zehender December 2015 Projected Coordinate System: Michigan GeoRef, NAD-83, meters Completed with ESRI ArcMap 10.3.1 Source: Michigan Geographic Data Library and MSU RS&GIS 2014 Aerial



Tree Farm 1406 East Avon Road Rochester Hills, MI 48307 T3N R11E Section 24 Oakland County MIB000000196

Legend

 \odot SB-01 - Soil Boring 01 2011 BFRA

0

100

200

400

600 □Feet

SB-2015-01 - Soil Boring 01





Compiled by: Leni L. Steiner-Zehender December 2015 Projected Coordinate System: Michigan GeoRef, NAD-83, meters Completed with ESRI ArcMap 10.3.1 Source: Michigan Geographic Data Library and MSU RS&GIS 2014 Aerial



1406 East Avon Road Rochester Hills, MI 48307 T3N R11E Section 24 Oakland County MIB000000196

Legend

△ TMW-01 - Temporary Monitoring Well 01



Property Boundary



Compiled by: Leni L. Steiner-Zehender December 2015 Projected Coordinate System: Michigan GeoRef, NAD-83, meters Completed with ESRI ArcMap 10.3.1 Source: Michigan Geographic Data Library and MSU RS&GIS 2014 Aerial

		Feet	
0	125	250	500



Rochester Hills, MI 48307 T3N R11E Section 24 Oakland County MIB000000196

△ SGP-01 - Soil Gas Probe 01



Property Boundary



Michigan GeoRef, NAD-83, meters Completed with ESRI ArcMap 10.3.1 Source: Michigan Geographic Data Library and MSU RS&GIS 2014 Aerial

0 100 200 400 6			Fe	eet	
0 100 200 100	0	100	200	400	600

FIGURE 7 SURFACE WATER AND SEDIMENT SAMPLE LOCATIONS East Avon Road Honeywell Ditch SW-03/SD-03 SW/SD-2015-01 Discharge pipe into the Honeywell Ditch SW-02/SD-02 SW/SD-2015-02

Tree Farm 1406 East Avon Road Rochester Hills, MI 48307 T3N R11E Section 24 Oakland County MIB000000196



Legend

- 2011 BFRA
- SW/SD-2015-01 Surface Water/Sediment 01

Honeywell Ditch

Property Boundary

Compiled by: Leni L. Steiner-Zehender December 2015 Projected Coordinate System: Michigan GeoRef, NAD-83, meters Completed with ESRI ArcMap 10.3.1 Source: Michigan Geographic Data Library and MSU RS&GIS 2014 Aerial

Feet 125 250 500

TABLES

TABLE 1
SURFICIAL SOIL SAMPLE DESCRIPTIONS

SAMPLE	1	ATION DINATES	DEPTH		SAMPLE INTERVALS AND
NUMBER	Easting	Northing	(in.)	DESCRIPTION	COMMENTS
SS-2015-01	737084.88	239120.46	0-0.5 0.5-6 6	Roots, topsoil, moss. Dry, brown, fine sand with some silt, fine gravel and roots. Refusal/roots.	Shallow grab sample. VOA portion of sample collected at 3-4 in. Remaining sample portion taken from 0-6 in.
SS-2015-02/ SS-2015-02 DUP	737050.18	239103.95	0-5	Moist, brown, fine sand with silt, trace gravel and fine roots.	Shallow grab sample. VOA portion of sample collected at 4-5 in. Remaining sample portion taken from 0-5 in.
SS-2015-03/ SS-2015-03 MS/MSD	736998.56	239108.49	0-10	Moist, brown, fine sand with some silt, fine roots and gravel; and some debris (slag, concrete, tar roofing).	Shallow grab sample. VOA portion of sample collected at 5-6 in. Remaining sample portion taken from 0-10 in.
SS-2015-04	736964.09	239081.21	0-1 1-6 6-10	Dry, brown silt with fine roots. Dry, light brown, fine sand with some silt, trace fine gravel and lots of roots. Moist, tan, fine sand, trace fine gravel and roots.	Shallow grab sample. VOA portion of sample collected at 4-5 in. Remaining sample portion taken from 0-10 in.
SS-2015-05	737021.04	239069.70	0-1 1-5 5-10	Dry, brown, organic matter, some silt, and glass fragments. Dry, brown, fine sand, trace silt, some fine gravel, small roots and trace broken glass. Dry, brown, fine sand, trace silt, small roots, glass and plastic debris.	Shallow grab sample. VOA portion of sample collected at 5-6 in. Remaining sample portion taken from 1-10 in.

TABLE 1
SURFICIAL SOIL SAMPLE DESCRIPTIONS

SAMPLE		ATION INATES	DEPTH	,	SAMPLE INTERVALS AND
NUMBER	Easting	Northing	(in.)	DESCRIPTION	COMMENTS
SS-2015-06	737045.24	239069.49	0-1 1-4	Dry, dark brown, silty, clay, and sand, fine roots and organic matter. Moist, dark brown, fine sand with silt and lots of fine roots.	Shallow grab sample. VOA portion of sample collected at 3-4 in. Remaining sample portion taken from 1-10 in.
			4-10	Moist, light brown to tan, fine sand, some silt, trace fine gravel and trace of broken glass.	
SS-2015-07	737074.15	239090.45	0-5	Dry, dark brown to rusty, fine sand, trace silt, trace gravel, and debris (glass, concrete, plastic, slag and metal).	Shallow grab sample. VOA portion of sample collected at 3-4 in. Remaining sample portion taken from 0-5 in.
SS-2015-08	736950.85	239044.17	0-1 1-8	Root zone, topsoil. Dry, light brown, fine sand, some silt, some fine to coarse gravel (less than .25 in.).	Shallow grab sample. VOA portion of sample collected at 5-6 in. Remaining sample portion taken from 0-8 in.
SS-2015-09	737026.23 239043.0		1-10	Moist, light brown, fine sand, lots of fine roots. Moist, light brown, fine sand, trace silt, trace fine gravel and lots of fine roots.	Shallow grab sample. VOA portion of sample collected at 4-5 in. Remaining sample portion taken from 0-10 in.
SS-2015-10	737114.05 239055.2		0-10	Moist, brown, fine sand with some silt and fine gravel, trace gravel and some debris (wood and roots).	Shallow grab sample. VOA portion of sample collected at 5-6 in. Remaining sample portion taken from 0-10 in.

TABLE 1
SURFICIAL SOIL SAMPLE DESCRIPTIONS

SAMPLE	COORD	ATION DINATES	DEPTH		SAMPLE INTERVALS AND
NUMBER	Easting	Northing	(in.)	DESCRIPTION	COMMENTS
SS-2015-11	737084.53	239109.52	0-4 4-7	Dry, dark brown, medium sand with small roots. Dry, brown, medium sand with some small gravel and debris (scrap metal, glass, slag).	Shallow grab sample. VOA portion of sample collected at 4-5 in. Remaining sample portion taken from 0-7 in.

Location Coordinates: Michigan GeoRef, North American Datum (NAD) 1983, Meters

		1.		<u> </u>				Groundwater Pr	otec	tion		E .	Co	ontact	
Sample Number	CAS Number	Hazardous Substance (Footnotes)	Sample Concentration	Qualifiers	Statewide Default Background Levels	Residential Drinking Water Protection Criteria	Footnotes	Nonresidential Drinking Water Protection Criteria	, w	Groundwater Surface Water Interface Protection Criteria	Footnotes	Residential Direct Contact Criteria	Footnotes	Nonresidential Direct Contact Criteria	Footnotes
SS-2015-01		VOLATILES	(μg/kg)		(μg/kg)	(μg/kg)		(μg/kg)	 	(μg/kg)		(μg/kg)		(μg/kg)	
	,	No volatile organic compounds detected above reporting limits.				\		(/-53/	-	(Mg/Ng/		(pg//g)		(\(\mu \ g / \(\mu \ g \)	<u> </u>
•		SEMI-VOLATILES	(μg/kg)		(μg/kg)	(μg/kg)		´(μg/kg)		(μg/kg)		(μg/kg)		(μg/kg)	<u> </u>
i	206-44-0	Fluoranthene	3,500	,		730,000		730,000		5,500		46,000,000		130,000,000	<u> </u>
	85-01-8	Phenanthrene	2,200			56,000		160,000		2,100		1,600,000		5,200,000	
	129-00-0	Pyrene	3,500			480,000		480,000		ID		29,000,000		84,000,000	
		PESTICIDES/PCBS	(μg/kg)		(μg/kg)	(μg/kg)		(μg/kg)		(μg/kg)		(μg/kg)		(μg/kg)	<u> </u>
		4-4'-DDD	81			NLL \		NLL		NLL		95,000		400,000	
	72-55-9	4-4'-DDE	280			NLL		NLL		NLL		45,000		190,000	
-		2-4'-DDT	49		·	NLL		NLL		NLL -		57,000		280,000	ļ ———
	50-29-3	4-4'-DDT	180		_	NLL		NLL		NLL	-	57,000		280,000	
-		INORGANICS	(mg/kg)		(mg/kg)	(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	-	(mg/kg)	
	7440-36-0	Antimony	0.40			4.3		4.3		94	\overline{x}	180		670	
•	7440-38-2	Arsenic	5.2		5.8	4.6		4.6		4.6		7.6		37	<u> </u>
		Barium (B)	90		75	1,300		1,300		440,000	G	37,000		130,000	
		Cadmium (B)	0.70		1.2	6.0		6.0		3.6	G,X	550	_	2,100	
Į.		Copper (B)	19		32	5,800		5,800		75	G	20,000		73,000	<u> </u>
]		Cyanide (P,R)	0.12		0.39	4.0		4.0		0.10		12		250	
· ·		Iron (B)	11,000	A09	12,000	6.0		6.0		NA		160,000		580,000	
		Lead (B)	70		21	700		700		2,800,000	G,X	400		900	DD
		Manganese (B)	210		440	1.0		1.0		56	G,X	25,000		90,000	
		Mercury [Total] (B,Z)	0.06	,	0.13	1.7		1.7		0.05	M	160		580	\Box
		Nickel (B)	12		20	100		100		76	G	40,000		150,000	
		Silver (B)	0.10		1.0	4.5		13		0.10	М	2,500		9,000	
		Vanadium	17			72		990		430		750	DD	5,500	DD
	7440-66-6	Zinc (B)	120		47	2,400		5,000		170	G	170,000		630,000	

								Groundwater Pr	otec	tion			Co	ntact	
Sample Number	CAS Number	Hazardous Substance (Footnotes)	Sample Concentration	Qualifiers	Statewide Default Background Levels	Residential Drinking Water Protection Criteria	Footnotes	Nonresidential Drinking Water Protection Criteria	Footnotes	Groundwater Surface Water Interface Protection Criteria	Footnotes	Residential Direct Contact Criteria	Footnotes	Nonresidential Direct Contact Criteria	Footnotes
SS-2015-02		VOLATILES	(μg/kg)	·	(μg/kg)	(μg/kg)		(μg/kg)		(μg/kg)		(μg/kg)		(μg/kg)	
		No volatile organic compounds detected above reporting limits.	VI. V . V/					(<i>p</i> -g-19)		(Pgrig)		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		(= 3.13)	
-		SEMI-VOLATILES	(μg/kg)		(μg/kg)	(μg/kg)		(μg/kg)		(μg/kg)		(μg/kg)		(μg/kg)	
	56-55-3	Benzo(a)anthracene (Q)	1,700	T		NLL		NLL -		NLL		20,000		80,000	
	205-99-2	Benzo(b)fluoranthene (Q)	2,700	T		NLL		NLL	,	NLL		20,000		80,000	
	218-01-9	Chrysene (Q)	2,100	T		NLL		NLL		NLL		2,000,000		8,000,000	<u></u>
-	206-44-0	Fluoranthene	3,400			730,000		730,000		5,500		46,000,000		130,000,000	<u> </u>
	85-01-8	Phenanthrene	1,800	T		56,000		160,000		2,100		1,600,000	L	5,200,000	<u> </u>
	129-00-0	Pyrene	3,600			480,000		480,000		ID		29,000,000		84,000,000	
		PESTICIDES/PCBS	(μg/kg)		(μg/kg)	(μg/kg)		(μg/kg)		(μg/kg)		(μg/kg)		(μg/kg)	
-	72-54-8	4-4'-DDD	200			NLL		NLL		NLL		95,000		400,000	
	72-55-9	4-4'-DDE	270			NLL		NLL		NLL		45,000	_	190,000	
/	50-29-3	2-4'-DDT	70			NLL		NLL		NLL		57,000		280,000	
•	50-29-3	4-4'-DDT	200			NLL		NLL		NLL		57,000		280,000	<u> </u>
		INORGANICS	(mg/kg)		(mg/kg)	(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	
		Antimony	1.7-			4.3	-	4.3		94	Х	180		670	
		Arsenic	5.9		5.8	4.6		4.6		4.6		7.6		37	
		Barium (B)	130		75	1,300		1,300		440,000	Œ,	37,000		130,000	
		Cadmium (B)	1.1		1.2	6.0		6.0		3.6	G,X	550		2,100	
		Chromium [Total] (H)	. 40		18	30		30		3.3		2,500		9,200	
		Copper (B)	58	<u> </u>	32	5,800		5,800		75,000	G	20,000		73,000	
		Cyanide (P,R)	0.41		0.39	4.0		4.0		0.10		12		250	<u> </u>
-		Iron (B)	16,000	A09	12,000	6.0		6.0		NA		160,000		580,000	<u> </u>
		Lead (B)	240		21	700		700		2,800,000	G,X	400		900	DD
		Manganese (B)	340		440	1.0		1.0		56	G,X	25,000		90,000	<u> </u>
		Mercury [Total] (B,Z)	0.10	\perp	0.13	1.7		1.7		0.05	M	160		580	<u> </u>
		Molybdenum (B)	2.1	A09		15		4.2		64	X	2,600		9,600	ļ
	7440-02-0		17	\perp	20	100		100		76	G	40,000		150,000	<u> </u>
		Silver (B)	0.60		1.0	4.5		13		0.10	M	2,500		9,000	L
	7440-62-2		19	1		72		990		430		750	DD	5,500	DD
	7440-66-6	Zinc (B)	230		47	2,400.		5,000		170	G_	170,000		630,000	L

	· · · · · · · · · · · · · · · · · · ·						Groundwater Pr			Co	ntact				
Sample Number	CAS Number	Hazardous Substance (Footnotes)	Sample Concentration	Qualifiers	Statewide Default Background Levels	Residential Drinking Water Protection Criteria	Footnotes	Nonresidential Drinking Water Protection Criteria	Footnotes	Groundwater Surface Water Interface Protection Criteria	Footnotes	Residential Direct Contact Criteria	Footnotes	Nonresidential Direct Contact Criteria	Footnotes
SS-2015-02-		VOLATILES	(μg/kg)		(μg/kg)	(μg/kg)		(μg/kg)		(μg/kg)		(μg/kg)		(μg/kg)	
DUP		No volatile organic compounds detected above reporting limits.	` ` `						n			·			
İ	50.55.0	SEMI-VOLATILES	(μg/kg)	ļ	(μg/kg)	(μg/kg)		(μg/kg)		(μg/kg)		(μg/kg) ·		(μg/kg)	
		Benzo(a)anthracene (Q)	4,100	ļ	·	NLL		. NLL		NLL		20,000	_	80,000	ļ
-		Benzo(b)fluoranthene (Q)	5,900			NLL		NLL		NLL		20,000		`80,000	
		Chrysene (Q)	4,900	ļ		NLL		NLL		NLL		2,000,000		8,000,000	
·		Fluoranthene	7,800	1		730,000		730,000	L	5,500		46,000,000		130,000,000	ļļ
i		Phenanthrene	4,400	 		56,000		160,000		2,100		1,600,000		5,200,000	ļ
1	129-00-0	Pyrene	8,900	 		480,000		480,000		ID		29,000,000		84,000,000	
İ	=	PESTICIDES/PCBS	(μg/kg)	1	(μg/kg)	(μg/kg)		(μg/kg)		(μg/kg)		(μg/kg)		(μg/kg)	:
		4-4'-DDD -	210	1		NLL		NLL	L	NLL		95,000		400,000	ļ
		4-4'-DDE	250	 		NLL	~	NLL		NLL		45,000		190,000	ļ
		2-4'-DDT	72			NLL		NLL	L	NLL		57,000.		280,000	
		4-4'-DDT	320			NLL		NLL		NLL		57,000		280,000	
		INORGANICS	(mg/kg)		(mg/kg)	(mg/kg)	,	(mg/kg)⁻		(mg/kg)		(mg/kg)		(mg/kg)	
		Antimony	1.1			4.3		4.3		94	X	180		670 -	
ł		Arsenic	5.7	1	5.8	4.6		4.6		4.6		7.6		37	
		Barium (B)	130		75	1,300		1,300		440,000	G	37,000		130,000	
		Cadmium (B)	0.90	ļ	1.2	6.0		6.0		3.6	G,X	550		2,100	
		Copper (B)	46	1	32	5,800		5,800		75,000	G	20,000		73,000	
1		Cyanide (P,R)	0.39		0.39	4.0		4.0		0.10		12		250	ļ
		Iron (B)	14,000	A09	12,000	6.0		6:0		NA		. 160,000		580,000	
1		Lead (B)	190	1	21	700		700		2,800,000	G,X	400		900	DD.
	7439-96-5	Manganese (B)	250	4	440	1.0		1.0		56	G,X	25,000		90,000	
	7439-97-6	Mercury [Total] (B,Z)	0.10		0.13	1.7		1.7		0.05	M	160		580	
		Molybdenum (B)	1.5	A09		1.5		4.2		64	_ <u>X</u> _	2,600		9,600	<u> </u>
	7440-02-0		15		20	100		100		76	G	40,000		150,000	
	7440-22-4		0.60	\perp	1.0	4.5		13		0.10	M	2,500		9,000	ļ. <u>.</u>
	7440-62-2		17	$\perp \perp \mid$		72		990		430		750	DD	5,500	DD
	7440-66-6	[∠inc (B)	200		47	2,400		5,000		170	G	170,000		630,000	

μg/kg = microgram/kilogram mg/kg = milligram/kilogram
Qualifier definitions in Appendix B. Footnote definitions in Appendix C.
Shaded Criteria indicate an exceedance.
A blank Default Background column means that value has not been determined.

	· · · · · · · · · · · · · · · · · · ·							Groundwater Pr	otec	tion			Co	ntact	
Sample Number	CAS Number	Hazardous Substance (Footnotes)	Sample Concentration	Qualifiers	Statewide Default Background Levels	Residential Drinking Water Protection Criteria	Footnotes	Nonresidential Drinking Water Protection Criteria	Footnotes	Groundwater Surface Water Interface Protection Criteria	Footnotes	Residential Direct Contact Criteria	Footnotes	Nonresidential Direct Contact Criteria	Footnotes
SS-2015-03		VOLATILES	(μg/kg)		(μg/kg)	(μg/kg)		(μg/kg)		(μg/kg)		(μg/kg)		(μg/kg)	Ī
		No volatile organic compounds detected above reporting limits.													
		SEMI-VOLATILES	(μg/kg)		´ (μg/kg)	(μg/kg)		(μg/kg)		(μg/kg)		(μg/kg)		(μg/kg)	
		Anthracene	3,600			41,000		41,000		ID		230,000,000		730,000,000	
	56-55-3	Benzo(a)anthracene (Q)	20,000	A03		NLL		NLL		NLL		20,000		80,000	<u> </u>
	205-99-2	Benzo(b)fluoranthene (Q)	26,000	A03		NLL		NLL		NLL		20,000		80,000	<u> </u>
	207-08-9	Benzo(k)fluoranthene (Q)	7,500	<u> </u>		NLL \	L	NLL		NLL		200,000		800,000	
	191-24-2	Benzo(g,h,i)perylene	9,500		1	NLL		NLL		NLL		2,500,000		7,000,000	<u> </u>
	50-32-8	Benzo(a)pyrene (Q)	17,000	A03		NLL		NLL		NLL		2,000		8,000	4
	218-01-9	Chrysene (Q)	20,000	A03		NLL	L	NLL		NLL		2,000,000		8,000,000	ļ
	206-44-0	Fluoranthene	38,000	A03	ļ	730,000	ļ	730,000		5,500		46,000,000		130,000,000	<u> </u>
	193-39-5	Indeno(1,2,3-cd)pyrene (Q)	9,200			NLL		NLL	Ш	NLL		20,000		80,000	ļ
	85-01-8	Phenanthrene	18,000	A03		56,000		160,000		2,100		1,600,000		5,200,000	
	129-00-0	Pyrene	35,000	A03		480,000		480,000		ID .		29,000,000		84,000,000	
		PESTICIDES/PCBS	(μg/kg)-		(μg/kg)	(μg/kg)		(μg/kg)	Щ	(μg/kg)		(μg/kg)		(μg/kg)	├
		4-4'-DDD	450	T		NLL		NLL		NLL		95,000		400,000	<u> </u>
		4-4'-DDE	3,500	<u> </u>	· · · · · ·	NLL		NLL		NLL		45,000		190,000	<u> </u>
		2-4'-DDT	1,200	<u> </u>		NLL		NLL		NLL	····	57,000		280,000	
		4-4'-DDT	5,600	ļ		NLL		NLL	Щ	NLL		57,000		280,000	
		INORGANICS	(mg/kg)		(mg/kg)	(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	<u> </u>
		Antimony	8.4	<u> </u>		4.3		4.3		94	Χ	180		670	ļ
		Arsenic	39	ļ.,	5.8	4.6		4.6		4.6		7.6		37	·
	7440-39-3	Barium (B)	^ 760	Х3	75	1,300		1,300		440,000	G	37,000		130,000	ļ
		Cadmium (B)	4.8		1.2	6.0		6.0		3.6	G,X	550		2,100	
		Chromium [Total] (H)	35	ļ	18	30		30	ļ l	3.3		2,500		9,200	
	7440-48-4		7.7	<u> </u>	6.8	0.8		2.0	L	2.0	_	2,600		9,000	
	7440-50-8		170	<u> </u>	32	5,800		5,800	, .	75,000	G	20,000		73,000	
	57-12-5	Cyanide (P,R)	1.7	1 4 6 6	0.39	4.0		4.0		0.10		12		250	
_		Iron (B)	19,000	A09	12,000	6.0		6.0		NA		160,000		580,000	DD
	7439-92-1	Lead (B)	1,100	X3	21 ,	700		700		2,800,000	G,X	400		900	DD
		Manganese (B)	460	X3	440	1.0		1/0	\vdash	56	G,X	25,000		90,000	
		Mercury [Total] (B,Z)	1.0	A07	0.13	1.7		1.7		0.05	M	160		580	
		Molybdenum (B)	3.5	A09		1.5		4.2	\vdash	64	<u>X</u>	2,600		9,600	
	7440-02-0		27		20	100		100		76	G_	40,000		150,000	
		Selenium (B)	16	ļ	0.41	4.0		4.0		0.40	R #	2,600		9,600	
	7440-22-4	 	1.1	ļ	1.0	4.5		13	<u> </u>	0.10	M	2,500		9,000	
	7440-28-0		0.80	<u> </u>		2.3		2.3	ļ	4.2	X	35 ′		130	<u></u>
	7440-62-2		25	 		72		990		430		750	DD	5,500	DD
	7440-66-6	Zinc (B)	980	X3	47	2,400		5,000`		170	G	170,000		630,000	1 .

Sample Number CAS Hazardous Substance (Footnotes) E									Groundwater Pr	otec	tion			Co	ntact	
No volatile organic compounds detected above reporting limits. (μg/kg)	-	1		Sample Concentration	Qualifiers	Default Background	Drinking Water Protection	Footnotes	Drinking Water Protection	Footnotes	Surface Water Interface Protection	Footnotes	Direct Contact	Footnotes	Direct Contact	Footnotes
No volatile organic compounds detected above reporting limits. (μg/kg)	SS-2015-04		VOLATILES	(μg/kg)		(μg/kg)	(μg/kg)		(μg/kg)		(μg/kg)		(μg/kg)		(μg/kg)	
No semi-volatile organic compounds detected above reporting limits. PESTICIDES/PCBS			above reporting limits.													
Destricted above reporting limits. Destriction Destruction Destriction Destruction Destriction Destruction Dest	1			(μg/kg)	<u> </u>	(μg/kg)	(μg/kg)		(μg/kg)		(μg/kg) .	_	(μg/kg)	ļ	(μg/kg)	
72-54-8			detected above reporting limits.					-			<u>.</u>					
72-55-9			PESTICIDES/PCBS	(μg/kg)		(μg/kg)										$oxed{oxed}$
So.29-3																
So-29-3														ļ		
Table Tabl			l		T					<u> </u>						<u> -</u>
INORGANICS (mg/kg) (L											ļ		ļ
7440-38-2 Arsenic 5.7 5.8 4.6 4.6 4.6 7.6 37 7440-39-3 Barium (B) 29 75 1,300 1,300 440,000 G 37,000 130,000 7440-41-7 Beryllium 0.20 51 51 85 G 410 1,600 7440-43-9 Cadmium (B) 0.30 1.2 6.0 6.0 3.6 G,X 550 2,100 7440-47-3 Chromium [Total] (H) 13 18 30 30 3.3 2,500 9,200 7440-48-4 Cobalt 3.5 6.8 0.8 2.0 2.0 2,600 9,000 7440-48-4 Cobalt 3.5 6.8 0.8 2.0 2.0 2,600 9,000 7440-50-8 Copper (B) 13 32 5,800 5,800 75,000 G 20,000 73,000 57-12-5 Cyanide (P,R) 0.17 0.39 4.0 4.0 0.10 1														T		T
7440-39-3 Barium (B) 29 75 1,300 1,300 440,000 G 37,000 130,000 7440-41-7 Beryllium 0.20 51 51 85 G 410 1,600 7440-43-9 Cadmium (B) 0.30 1.2 6.0 6.0 3.6 G,X 550 2,100 7440-47-3 Chromium [Total] (H) 13 18 30 30 3.3 2,500 9,200 7440-48-4 Cobalt 3.5 6.8 0.8 2.0 2.0 2,600 9,000 7440-50-8 Copper (B) 13 32 5,800 5,800 75,000 G 20,000 73,000 57-12-5 Cyanide (P,R) 0.17 0.39 4.0 4.0 0.10 12 250 7439-89-6 [ron (B) 9,500 A09 12,000 6.0 6.0 NA 160,000 580,000 7439-92-1 Lead (B) 28 21 700 700 2,800,000 <td< td=""><td></td><td></td><td>INORGANICS</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>			INORGANICS													
7440-41-7 Beryllium 0.20 51 51 85 G 410 1,600 7440-43-9 Cadmium (B) 0.30 1.2 6.0 6.0 3.6 G,X 550 2,100 7440-47-3 Chromium [Total] (H) 13 18 30 30 3.3 2,500 9,200 7440-48-4 Cobalt 3.5 6.8 0.8 2.0 2.0 2,600 9,000 7440-50-8 Copper (B) 13 32 5,800 5,800 75,000 G 20,000 73,000 57-12-5 Cyanide (P,R) 0.17 0.39 4.0 4.0 0.10 12 250 7439-89-6 Iron (B) 9,500 A09 12,000 6.0 6.0 NA 160,000 580,000 7439-92-1 Lead (B) 28 21 700 700 2,800,000 G,X 400 900 7439-96-5 Manganese (B) 150 440 1.0 1.0 56 G,X 25,0			<u></u>											ļ		ļ
7440-43-9 Cadmium (B) 0.30 1.2 6.0 6.0 3.6 G,X 550 2,100 7440-47-3 Chromium [Total] (H) 13 18 30 30 3.3 2,500 9,200 7440-48-4 Cobalt 3.5 6.8 0.8 2.0 2.0 2,600 9,000 7440-50-8 Copper (B) 13 32 5,800 5,800 75,000 G 20,000 73,000 57-12-5 Cyanide (P,R) 0.17 0.39 4.0 4.0 0.10 12 250 7439-89-6 [fron (B) 9,500 A09 12,000 6.0 6.0 NA 160,000 580,000 7439-92-1 [Lead (B) 28 21 700 700 2,800,000 G,X 400 900 7439-96-5 Manganese (B) 150 440 1.0 1.0 56 G,X 25,000 90,000 7439-97-6 Mercury [Total] (B,Z) 0.10 0.13 1.7 1.7 </td <td>1</td> <td></td> <td></td> <td></td> <td></td> <td>75</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>ļ</td> <td></td> <td>ļ</td>	1					75								ļ		ļ
7440-47-3 Chromium [Total] (H) 13 18 30 30 3.3 2,500 9,200 7440-48-4 Cobalt 3.5 6.8 0.8 2.0 2.0 2,600 9,000 7440-50-8 Copper (B) 13 32 5,800 5,800 75,000 G 20,000 73,000 57-12-5 Cyanide (P,R) 0.17 0.39 4.0 4.0 0.10 12 250 7439-89-6 Iron (B) 9,500 A09 12,000 6.0 6.0 NA 160,000 580,000 7439-92-1 Lead (B) 28 21 700 700 2,800,000 G,X 400 900 7439-96-5 Manganese (B) 150 440 1.0 1.0 56 G,X 25,000 90,000 7439-97-6 Mercury [Total] (B,Z) 0.10 0.13 1.7 1.7 0.05 M 160 580 7440-02-0 Nickel (B) 9.6 20					ļ									<u> </u>		
7440-48-4 Cobalt 3.5 6.8 0.8 2.0 2.0 2,600 9,000 7440-50-8 Copper (B) 13 32 5,800 5,800 75,000 G 20,000 73,000 57-12-5 Cyanide (P,R) 0.17 0.39 4.0 4.0 0.10 12 250 7439-89-6 Iron (B) 9,500 A09 12,000 6.0 6.0 NA 160,000 580,000 7439-92-1 Lead (B) 28 21 700 700 2,800,000 G,X 400 900 7439-96-5 Manganese (B) 150 440 1.0 1.0 56 G,X 25,000 90,000 7439-97-6 Mercury [Total] (B,Z) 0.10 0.13 1.7 1.7 0.05 M 160 580 7440-02-0 Nickel (B) 9.6 20 100 100 76 G 40,000 150,000 7782-49-2 Selenium (B) 0.30 0.4												G,X				ļ
7440-50-8 Copper (B) 13 32 5,800 5,800 75,000 G 20,000 73,000 57-12-5 Cyanide (P,R) 0.17 0.39 4.0 4.0 0.10 12 250 7439-89-6 Iron (B) 9,500 A09 12,000 6.0 6.0 NA 160,000 580,000 7439-92-1 Lead (B) 28 21 700 700 2,800,000 G,X 4/00 900 7439-96-5 Manganese (B) 150 440 1.0 1.0 56 G,X 25,000 90,000 7439-97-6 Mercury [Total] (B,Z) 0.10 0.13 1.7 1.7 0.05 M 160 580 7440-02-0 Nickel (B) 9.6 20 100 100 76 G 40,000 150,000 7782-49-2 Selenium (B) 0.30 0.41 4.0 4.0 0.40 2,600 9,600																
57-12-5 Cyanide (P,R) 0.17 0.39 4.0 4.0 0.10 12 250 7439-89-6 Iron (B) 9,500 A09 12,000 6.0 6.0 NA 160,000 580,000 7439-92-1 Lead (B) 28 21 700 700 2,800,000 G,X 400 900 7439-96-5 Manganese (B) 150 440 1.0 1.0 56 G,X 25,000 90,000 7439-97-6 Mercury [Total] (B,Z) 0.10 0.13 1.7 1.7 0.05 M 160 580 7440-02-0 Nickel (B) 9.6 20 100 100 76 G 40,000 150,000 7782-49-2 Selenium (B) 0.30 0.41 4.0 4.0 0.40 2,600 9,600			<u> </u>											<u> </u>		
7439-89-6 Iron (B) 9,500 A09 12,000 6.0 6.0 NA 160,000 580,000 7439-92-1 Lead (B) 28 21 700 700 2,800,000 G,X 400 900 7439-96-5 Manganese (B) 150 440 1.0 1.0 56 G,X 25,000 90,000 7439-97-6 Mercury [Total] (B,Z) 0.10 0.13 1.7 1.7 0.05 M 160 580 7440-02-0 Nickel (B) 9.6 20 100 100 76 G 40,000 150,000 7782-49-2 Selenium (B) 0.30 0.41 4.0 4.0 0.40 2,600 9,600					-							G		ļ		
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7439-96-5 Manganese (B) 150 440 1.0 1.0 56 G,X 25,000 90,000 7439-97-6 Mercury [Total] (B,Z) 0.10 0.13 1.7 1.7 0.05 M 160 580 7440-02-0 Nickel (B) 9.6 20 100 100 76 G 40,000 150,000 7782-49-2 Selenium (B) 0.30 0.41 4.0 4.0 0.40 2,600 9,600					A09							C V		 		DD
7439-97-6 Mercury [Total] (B,Z) 0.10 0.13 1.7 1.7 0.05 M 160 580 7440-02-0 Nickel (B) 9.6 20 100 100 76 G 40,000 150,000 7782-49-2 Selenium (B) 0.30 0.41 4.0 4.0 0.40 2,600 9,600					-					_				<u> </u>		טט
7440-02-0 Nickel (B) 9.6 20 100 100 76 G 40,000 150,000 7782-49-2 Selenium (B) 0.30 0.41 4.0 4.0 0.40 2,600 9,600					 					-				 		
7782-49-2 Selenium (B) 0.30 0.41 4.0 4.0 0.40 2,600 9,600					1											
					-					-		- 9				
	[13	-	0.41	72		990		430		750	√DD	5,500	DD
7440-62-2 Vanadium 13 72 990 430 750 DD 5,500 7440-66-6 Zinc (B) 60 47 2,400 5,000 170 G 170,000 630,000	1				+	A7						G		1 25		1 20

						Ì	Groundwater Pr		· .	Co	ntact				
Sample Number	CAS Number	Hazardous Substance (Footnotes)	Sample Concentration	Qualifiers	Statewide Default Background Levels	Residential Drinking Water Protection Criteria	Footnotes	Nonresidential Drinking Water Protection Criteria	Footnotes	Groundwater Surface Water Interface Protection Criteria	Footnotes	Residential Direct Contact Criteria	Footnotes	Nonresidential Direct Contact Criteria	Footnotes
SS-2015-05		VOLATILES	(μg/kg)		(μg/kg)	(μg/kg)		(μg/kg)		(μg/kg)		(μg/kg)		(μg/kg)	
2010 00		No volatile organic compounds detected above reporting limits.								1, 0, 0,					
		SEMI-VOLATILES	(μg/kg)		(μg/kg)	(μg/kg)		(μg/kg)		(μg/kg)		(μg/kg)	<u> </u>	(μg/kg)	
-	206-44-0	Fluoranthene	3,200			730,000		730,000		- 5,500		46,000,000		130,000,000	- · ·
1		Pyrene	` 3,200			480,000		480,000		ID		29,000,000		84,000,000	
		PESTICIDES/PCBS	(μg/kg)		(μg/kg)	(μg/kg)		(μg/kg)		(μg/kg)	-	(μg/kg)		(μg/kg)	
		4-4'-DDD	240			NLL		NLL		NLL \		95,000		400,000	
	72-55-9	4-4'-DDE	180			NLL		NLL		NLL		45,000		190,000	
	50-29-3	2-4'-DDT	81			NLL		NLL		NLL		57,000		280,000	1
	50-29-3	4-4'-DDT	340			NLL -		NLL		NLL	-	57,000		280,000	
	1336-36-3	Polychlorinated biphenyls [PCBs] (J,T)	310	JD		NLL		. NLL		NLL		4,000	T	16,000	T
İ		INORGANICS	(mg/kg)		(mg/kg)	(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	
	7440-36-0	Antimony	2:.0		·	4.3		4.3		94	Χ	180	1	• 670	
	7440-38-2	Arsenic	7.9		5.8	4.6		4.6		4.6		7.6		37 -	
	7440-39-3	Barium (B)	120		75	1,300		1,300		440,000	G >	37,000		130,000	ļi
1	7440-43-9	Cadmium (B)	2.7		1.2	6.0		6.0		3.6	G,X	550		2,100	
	7440-48-4	Cobalt	5.2		6.8	0.8		2.0		2.0		2,600		9,000	ļ
		Copper (B)	97		32	5,800	ļ	5,800		75,000	G	20,000		73,000	
	57-12-5	Cyanide (P,R)	0.83		0.39	4.0		4.0		0.10		12		250	ļ
	7439-89-6	Iron (B)	16,000	A09	12,000	6.0		6.0		NA	- 5 7/-	160,000		580,000	
1	7439-92-1	Lead (B)	300		21	700		700		2,800,000	G,X	400	ļ	900	DD
1		Manganese (B)	420		440	1.0		1.0	7	56	G,X	25,000		90,000	1
1	7439-97-6	Mercury [Total] (B,Z)	0.20	1 2 2 2	0.13 ^	1.7		1.7		0.05	M	160		580	\vdash
	7439-98-7	Molybdenum (B)	1.6	A09		1.5		4.2	\vdash	64	X	2,600		9,600	
1 `	7440-02-0	Nickel (B)	18	ļ	20	100		100		76	G	40,000	ļ	150,000	
	7440-22-4	Silver (B)	1.2		1.0	4.5		13		0.10	M	2,500	D.D.	9,000	
i		Vanadium	17		ļ	72		990	\vdash	430		750	DD	5,500	DD .
	7440-66-6	Zinc (B)	450		47	2,400		5,000	Ŀ	170	G	170,000		630,000	

4							Groundwater Pr	otec			Со	ntact			
Sample Number	CAS Number	Hazardous Substance (Footnotes)	Sample Concentration	Qualifiers	Statewide Default Background Levels	Residential Drinking Water Protection Criteria	Footnotes	Nonresidential Drinking Water Protection Criteria	Footnotes	Groundwater Surface Water Interface Protection Criteria	Footnotes	Residential Direct Contact Criteria	Footnotes	Nonresidential Direct Contact Criteria	Footnotes
SS-2015-06		VOLATILES	(μg/kg)		(μg/kg)	(μg/kg)		(μg/kg)		(μg/kg)		(μg/kg)		(μg/kg)	
		No volatile organic compounds detected above reporting limits.										,			
ł		SEMI-VOLATILES	(μg/kg)		(μg/kg)	(μg/kg)		(μg/kg)		(μg/kg)		(μg/kg)	-	(μg/kg)	
		No semi-volatile organic compounds detected above reporting limits.													
l		PESTICIDES/PCBS	(μg/kg)		(μg/kg)	(μg/kg)		(μg/kg)	<u> </u>	(μ g/k g)		(μg/kg)		(μg/kg)	ـــــ
		4-4'-DDD	25			NLL		NLL		NLL		95,000		400,000	ļ
1		4-4'-DDE	60			NLL		NLL	<u> </u>	NLL		45,000		190,000	↓
1		2-4'-DDT	15	<u> </u> :		NLL	ļ	NLL	ļ	NLL		57,000		280,000	 -
1		4-4'-DDT	77			NLL		NLL	<u> </u>	NLL		57,000		280,000	
1		Polychlorinated biphenyls [PCBs] (J,T)	170	ļ		- NLL		NLL	ļ	NLL		4,000	T	16,000	4.
1		INORGANICS	(mg/kg)		(mg/kg)	(mg/kg)		(mg/kg)	ļ	(mg/kg)		(mg/kg)		(mg/kg)	
1		Antimony	0.50	<u> </u>	·	4.3		4.3	<u> </u>	94	X	180	· ·	670	ļ
1		Arsenic	3.5	ļ	5.8	4.6	<u> </u>	4.6	ļ	4.6		7.6		37	
		Barium (B)	47	<u> </u>	75	1,300		1,300	ļ	440,000	G	37,000		130,000	
,		Beryllium	0.20	ļ		51	ļ	51	↓	85	G	410		1,600	
1		Cadmium (B)	1.0		1.2	6.0	<u> </u>	6.0		3.6	G,X	550		2,100	
i		Chromium [Total] (H)	14	ļ	18	30	<u> </u>	30	<u> </u>	3.3		2,500		9,200	-
1		Cobalt	3.2	<u> </u>	6.8	0.8		2.0		75.000	G-′	2,600		9,000 73,000	
1		Copper (B)	19	ļ	32	5,800		5,800-	 	75,000 0.10	G	20,000		73,000 <u>.</u> 250	┼
1	57-12-5	Cyanide (P,R)	0.28	1000	0.39	4.0		4.0 6.0	├	. NA		160,000	<u> </u>	580,000	
f		Iron (B)	9,100	A09	12,000 21	6.0 700	<u> </u>	700	 ,	2,800,000	G,X	400		900	DD
	7439-92-1	Lead (B)	110 150	+-	440	1.0	-	1.0	\vdash	2,800,000	G,X	25,000	 	90,000	+ ""
1		Manganese (B)		 	0.13	1.7	_	1.7	\vdash	0.05	M	160		580	+
	7440-02-0	Mercury [Total] (B,Z)	0.10 11	 	20	100	-	100	┼╌	76	G	40,000	 	150,000	+
l		Selenium (B)	0.80	+	0.41	4.0	_	4.0	\vdash	0.40		2,600		9,600	†
	7440-22-4		0.40	+	1.0	4.5		13	 	0.10	M	2,500	<u> </u>	9,000	†
1	7440-22-4		13	+	1.0	72	-	990		430		750	DD	5,500	DD
l	7440-62-2		150	┼	47	2,400	\vdash	5,000	 	170	G	170,000	==-	630,000	+

							· ·	Groundwater Pr	otec	tion			Co	ntact	
Sample Number	CAS Number	Hazardous Substance (Footnotes)	Sample Concentration	Qualifiers	Statewide Default Background Levels	Residential Drinking Water Protection Criteria	Footnotes	Nonresidential Drinking Water Protection Criteria	Footnotes	Groundwater Surface Water Interface Protection Criteria	Footnotes	Residential Direct Contact Criteria	Footnotes	Nonresidential Direct Contact Criteria	Footnotes
S-2015-07		VOLATILES	(μg/kg)		(μg/kg)	(μg/kg)		(μg/kg)		('μg/kg)		(μg/kg)		(μg/kg)	
	127-18-4	Tetrachloroethylene	360			100		100		1,200	Χı	200,000	С	930,000	С
		SEMI-VOLATILES	(μg/kg)		(μg/kg)	(μg/kg)		- (μg/kg)		(μg/kg)		(μg/kg)		(μg/kg)	1
	56-55-3	Benzo(a)anthracene (Q)	5,200		-	· NLL		NLL		NLL .	_	20,000		80,000	
		Benzo(b)fluoranthene (Q)	8,100			NLL		NLL		NLL		20,000		80,000	
	50-32-8	Benzo(a)pyrene (Q)	5,200	T		NLL		NLL		NLL		2,000		8,000	1
	218-01-9	Chrysene (Q)	5,800		\	NLL		NLL		NLL		2,000,000		8,000,000	1
	206-44-0	Fluoranthene	9,800			730,000		730,000		5,500		46,000,000		130,000,000	
	85-01-8	Phenanthrene	4,600			56,000		160,000		2,100		1,600,000		5,200,000	
	129-00-0	Pyrene -	10,000			480,000		480,000		ID		29,000,000		84,000,000	
		PESTICIDES/PCBS	(μg/kg)		(μg/kg)	(μg/kg)		(μg/kg)		(μg/kg)		(μg/kg)		(μg/kg)	
	72-54-8	4-4'-DDD	400			NLL		. NLL		NLL		95 000		400,000	
	72-55-9	4-4'-DDE	450			NLL		NLL		NLL		45,000		190,000	—
	50-29-3	2-4'-DDT	180			NLL 、		NLL		NLL		57,000		280,000	
	50-29-3	4-4'-DDT	990			NLL		NLL		NLL		57,000		280,000	
-		INORGANICS	(mg/kg)		(mg/kg)	(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	
	7440-36-0	Antimony	6.3			4.3		4.3		94	Х	180		670	†
		Arsenic	22		5.8	4.6		4.6		4.6		7/6	_	. 37	
	7440-39-3	Barium (B)	480		75	1,300		1,300		440,000	G	37,000		130,000	1
		Beryllium	2.3			51		51		85	G	410		1,600	
		Cadmium (B)	4.3		1.2	6.0		6.0		3.6	G,X	550		2,100	
	7440-47-3	Chromium [Total] (H)	37		18	30		30		3.3	· · · · ·	2,500		9,200	
	7440-48-4	Cobalt	12		6.8	0.8		2.0		2.0		2,600		9,000	
	7440-50-8	Copper (B)	220		· 32	5,800		5,800		75,000	. G	20,000	•	73,000	
	57-12-5	Cyanide (P,R)	1.0		0.39	4.0		4.0		0.10		12		250	
	7439-89-6	Iron (B)	40,000	A09	12,000	6.0		60		NA	,	160,000		580,000	
	7439-92-1	Lead (B)	620		21	700		700		2,800,000	G,X	400		900	DD
		Manganese (B)	510		440	1.0		1.0		56	G,X	25,000		90,000	
		Mercury [Total] (B,Z)	1.7		0.13	1.7		1.7		0.05	M	160	-	580	
		Molybdenum (B)	7.6	A09		1.5		4.2		64	Х	2,600		9,600	
_	7440-02-0		160		20	100		100		76	G	40,000		150,000	
		Selenium (B)	2.3		0.41	4.0		4.0		0.40		2,600		9,600	
		Silver (B)	2.3		1.0	4.5		13		0.10	M	2,500		9,000	
	7440-62-2		51			72	·	990		430		750	DD	5,500	DD
	7440-66-6		2,600	\Box	47	2,400		5,000		170	G	170,000		630,000	† <u>-</u>

								Groundwater Pr	otec	tion			Co	ntact	
Sample Number	CAS Number	Hazardous Substance (Footnotes)	Sample Concentration	Qualifiers	Statewide Default Background Levels	Residential Drinking Water Protection Criteria	Footnotes	Nonresidential Drinking Water Protection Criteria	Footnotes	Groundwater Surface Water Interface Protection Criteria	Footnotes	Residential Direct Contact Criteria	Footnotes	Nonresidential Direct Contact Criteria	Footnotes
SS-2015-08		VOLATILES	(μg/kg)		(μg/kg)	(μg/kg)		(μg/kg)		(μg/kg)		(μg/kg)		(μg/kg)	
		No volatile organic compounds detected above reporting limits.	<u> </u>	-	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			(7-9-19)		_(~3,13)		(25.9)		(1-33)	
		SEMI-VOLATILES	(μg/kg)		(μg/kg)	(μg/kg)		(μg/kg)		(μg/kg)		(μg/kg)		(µg/kg)	
		No semi-volatile organic compounds detected above reporting limits.						V V. 3/		<u> </u>			Į.	· W. G. W/	
		PESTICIDES/PCBS	(μg/kg)		(μg/kg)	(μg/kg)		(μg/kg)		(μg/kg)		(μg/kg)		(μg/kg)	
l .	72-54-8	4-4'-DDD	4.5	T		NLL		NLL		NLL		95,000		400,000	
j	72-55-9	4-4'-DDE	17	T	-	NLL		NLL		NLL		45,000		190,000	
	50-29-3	4-4'-DDT	6.8	T.		NLL		NLL		NLL		57,000		280,000	
		INORGANICS	(mg/kg)		(mg/kg)	(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	·	(mg/kg)	
	7440-38-2	Arsenic	6.0		5.8	4.6		4.6		4.6		7.6		37	
		Barium (B)	48		75	1,300		1,300		440,000	G	37,000		130,000	
		Beryllium	0.60		- "	51		51		85	G	410		1,600	
		Cadmium (B)	0.30		1.2	6.0		6.0			G,X	550		2,100	
·		Chromium [Total] (H)	35		18	30		30		3.3		2,500		9,200	
		Cobalt	4.3		6.8	0.8		2.0		2.0		2,600		9,000	
		Copper (B)	13		32	5,800		5,800		75,000	G	20,000		73,000	
		Iron (B)	15,000	A09	12,000	6.0		6.0		NĄ	02.1	160,000		580,000	
1	7439-92-1	Lead (B)	27		21	700		700		2,800,000	- G,X	400		900	DD
1		Manganese (B)	810		440	1.0		1.0		56	~G,X	25,000		90,000	
		Molybdenum (B)	1.3	A09		1.5		4.2		64	X	2,600		9,600	
Ī		Nickel (B)	16		20	100		100			Ģ	40,000		150,000	·
[Selenium (B)	0.40	<u> </u>	0.41	4.0		4:0	$oxed{oxed}$	0.40		2,600		9,600	ļ .
ł		Vanadium	20	L		72		990		430		750	DD	5,500	DD
	7440-66-6	Zinc (B)	49	L:	47	2,400		5,000		170	G	170,000		630,000	~

		· · · · · · · · · · · · · · · · · · ·						Groundwater Pro	otec	tion			Co	ntact	
Sample Number	CAS Number	Hazardous Substance (Footnotes)	Sample Concentration	Qualifiers	Statewide Default Background Levels	Residential Drinking Water Protection Criteria	Footnotes	Nonresidential Drinking Water Protection Criteria	Footnotes	Groundwater Surface Water Interface Protection Criteria	Footnotes	Residential Direct Contact Criteria	Footnotes	Nonresidential Direct Contact Criteria	Footnotes
SS-2015-09		VOLATILES	(μg/kg)		(μg/kg)	(μg/kg)		(μg/kg)		(μg/kg)		(μg/kg)		(μg/kg)	
		No volatile organic compounds detected above reporting limits.	`					-					,		
		SEMI-VOLATILES	(μg/kg)		(μg/kg)	(μg/kg)		(μg/kg)		(μg/kg)		(μg/kg)		(μg/kg)	
	56-55-3	Benzo(a)anthracene (Q)	4,100	h	(123113)	NLL		NLL		NLL NLL		20,000		80,000	
		Benzo(b)fluoranthene (Q)	5,500	<u> </u>		NLL		NLL		NLL	-	20,000		80,000	
·	218-01-9	Chrysene (Q)	4,500	<u> </u>		NLL		NLL	,	NLL		2,000,000		8,000,000	
	206-44-0	Fluoranthene	9,200			730,000		730,000		5,500		46,000,000		130,000,000	
II.		Phenanthrene	7,300			56,000		160,000		2,100		1,600,000		5,200,000	
		Pyrene	9,100	Ì-	-	480,000		480,000		ID		29,000,000		84,000,000	
		PESTICIDES/PCBS	(μg/kg)		(μg/kg)	(μg/kg)		(μg/kg)		(μg/kg)		(μg/kg)		(μg/kg)	
	72-54-8	4-4'-DDD	340			NLL _		NLL		NLL		95,000		400,000	
	72-55-9	4-4'-DDE	230			NLL		NLL		NLL		45,000		190,000	
	50-29-3	2-4'-DDT	66			NLL		NLL		NLL		57,000		280,000	· · · · · ·
	50-29-3	4-4'-DDT	260			NLL		NLL		NLL		57,000	,	280,000	<u> </u>
		INORGANICS	(mg/kg)		(mg/kg)	(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	
	7440-36-0	Antimony	0.80			4.3		4.3		94	X	180		670	
,	7440-38-2	Arsenic	10	,	5.8	4.6		4.6		4.6		7.6		37	ļ!
	7440-39-3	Barium (B)	150		75	1,300		1,300		440,000	G	37 000		130,000	<u> </u>
,	7440-43-9	Cadmium (B)	1.4		1.2	6.0		6.0		3.6	G,X	550		2,100	, .
	7440-48-4	Cobalt	5.7		6.8	0.8		2.0		2.0		2,600	<u> </u>	9,000	ļ
		Copper (B)	65		32	5,800		5,800	<u> </u>	75,000	G	20 000	ļ	73,000	
		Cyanide (P,R)	0.37		0.39	4.0	•	4.0		0.10		12		250	<u> </u>
		Iron (B)	21,000	A09	12,000	6.0		6.0		NA		160,000	ļ	580,000	ļ
		Lead (B)	130		21	700		700		2,800,000	G,X	400	 	900	DD
	7439-96-5	Manganese (B)	410		. 440	1.0		1.0			G,X	25 000		90,000	<u> </u>
		Mercury [Total] (B,Z)	0.20	<u> </u>	0.13	1.7	<u> </u>	1.7	<u> </u>	0.05	M	160		580	
		Molybdenum (B)	2.1	A09		1.5		4.2	<u> </u>	64	<u>X</u>	2,600	ļ	9,600	 '
	7440-02-0		20		20	100	<u> </u>	100	<u> </u>	·	G	40 000	ļ	150,000	
	7440-22-4	 · · · · · ·	0.40		1.0	4.5	<u> </u>	13		0.10	M	2,500	<u> </u>	9,000	
	7440-62-2		22	igsquare		72 ·		990		430		750.	DD	5,500	DD
	7440-66-6	Zinc (B)	240		47	2,400	<u> </u>	5,000		170	G	170,000	L	630,000	Щ.

						Groundwater Protection							Co	ntact	
Sample Number	CAS Number	Hazardous Substance (Footnotes)	Sample Concentration	Qualifiers	Statewide Default Background Levels	Residential Drinking Water Protection Criteria	Footnotes	Nonresidential Drinking Water Protection Criteria	Footnotes	Groundwater Surface Water Interface Protection Criteria	Footnotes	Residential Direct Contact Criteria	Footnotes	Nonresidential Direct Contact Criteria	Footnotes
SS-2015-10		VOLATILES	(μg/kg)		(μg/kg)	(μg/kg)		(μg/kg)		(μg/kg)		(μg/kg)		(μg/kg)	
		No volatile organic compounds detected above reporting limits.				`-									-
		SEMI-VOLATILES	. (μg/kg)	ļ	(μg/kg)	(μg/kg)		(μg/kg)	ļ	(μg/kg)		(μg/kg)		(μg/kg)	
		Fluoranthene	3,900			730,000		730,000		5,500		46,000,000		130,000,000	<u> </u>
` .		Pyrene	4,300			480,000		480,000		ID		29,000,000		84,000,000	
		PESTICIDES/PCBS	(μg/kg)		(μg/kg)	(μg/kg)		(μg/kg)		(μg/kg)		(μġ/kg)		(μg/kg)	
		4-4'-DDD	970			NLL		, NLL	·	NLL		95,000		400,000	
	72-55-9	4-4'-DDE	18,000 .		-	NLL		NLL		NLL		45,000		190,000	
	50-29-3	2-4'-DDT	3,400			NLL		NLL		NLL		57,000		280,000	
	50-29-3	4-4'-DDT	15,000			NLL		NLL		NLL		57,000		280,000	
•		INORGANICS	(mg/kg)		(mg/kg)	(mg/kg)		(mg/kg)		(mg/kg)		(mģ/kḡ)		(mg/kg)	
		Antimony	2.2			4.3		4.3		94	Χ	180		670	
	7440-38-2	Arsenic	11		5.8	4.6		4.6		4.6		7.6		37	
	7440-39-3	Barium (B)	120		75	1,300		1,300		440,000	G	37,000		130,000	
	7440-41-7	Beryllium	0.50		-,	51		51		85	G	410		1,600	
		Cadmium (B)	1.3		1.2	6.0		6.0		3.6	G,X	550		2,100	<u> </u>
		Chromium [Total] (H)	29		18	30		30		3:3		2,500		9,200	
		Cobalt	4.5		6.8	0.8		2.0		2.0		2,600		9,000	
		Copper (B)	45		32	5,800		5,800		75,000	G	20,000		73,000	
		Cyanide (P,R)	0.43		0.39	4.0		4.0		0.10		12		250	
		Iron (B)	13,000	A09	12,000	60		6.0		NA	·	160,000		580,000	L
		Lead (B)	230	<u> </u>	21	700		700		2,800,000	G,X	400		900	DD
		Manganese (B)	510		440	1.0		1.0	<u> </u>	.56	G,X	25,000		90,000	<u> </u>
*		Mercury [Total] (B,Z)	0.20		0.13	1.7		1.7		0.05	M	160		580	<u> </u>
		Molybdenum (B)	2.6	A09		1.5		4.2		64	X	2,600		9,600	
ı	7440-02-0		20		20	100		100			G	40,000		150,000	L
		Selenium (B)	0.80		0.41	4.0		4.0		0.40		2,600		9,600	<u> </u>
1	7440-22-4		0.30		1.0	4.5		13		0.10	M	2,500		9,000	
1	7440-62-2		19			72		990		430		750	DD	5,500	DD
	7440-66-6	Zinc (B)	170		47	2,400		5,000		170	G	170,000		630,000	

,			- _k					Groundwater Pr	otec	tion			Co	ntact	
Sample Number	CAS Number	Hazardous Substance (Footnotes)	Sample Concentration	Qualifiers	Statewide Default Background Levels	Residential Drinking Water Protection Criteria	Footnotes	Nonresidential Drinking Water Protection Criteria	Footnotes	Groundwater Surface Water Interface Protection Criteria	Footnotes	Residential Direct Contact Criteria	Footnotes	Nonresidential Direct Contact Criteria	Footnotes
SS-2015-11		VOLATILES	(μg/kg)		(μg/kg)	(μg/kg)		(μg/kg)		(μg/kg)		(μg/kg)		(μg/kg)	
		No volatile organic compounds detected above reporting limits.						(F-V3)		\	-				
•		SEMI-VOLATILES	(μg/kg) _		(μg/kg)	(μg/kg)		(μg/kg)		(μg/kg)		(μg/kg)		(μg/kg)	
	56-55-3	Benzo(a)anthracene (Q)	2,700		+	NLL		NLL		NLL		20,000		80,000	
		Chrysene (Q)	3,300			NLL		NLL		NLL		2,000,000		8,000,000	
		Fluoranthene	5,000			730,000		730,000		5,500		46,000,000		130,000,000	
	85-01-8	Phenanthrene	2,500			56,000		160,000	<u> </u>	2,100		1,600,000		5,200,000	
	129-00-0	Pyrene	5,600			480,000		480,000	<u> </u>	ID		29,000,000		84,000,000	·
		PESTICIDES/PCBS	(μg/kg)		¯ (μg/kg)	(μg/kg)		(μg/kg)		(μg/kg)		(μg/kg)		(μg/kg)	<u> </u>
	72-54-8	4-4'-DDD	1,300	L		NLL		NLL		NLL		95,000		400,000	
	72-55-9	4-4'-DDE	3,800			NLL		NLL	<u></u>	NLL		45,000		190,000	<u> </u>
	50-29-3	4-4'-DDT	1,100			NLL		NLL		NLL		57,000		280,000	
		INORGANICS	(mg/kg)		(mg/kg)	(mg/kg)		(mg/kg)		(mg/kg)	_	(mg/kg)		(mg/kg)	<u> </u>
		Antimony	1.0			4.3		4.3	<u> </u>	94	X	180		670	
		Arsenic	9.4		5.8	4.6		4.6		4.6		7.6		37	
		Barium (B)	110		75	1,300		1,300		440,000	G	37,000		130,000	ļ
		Cadmium (B)	1.1		1.2	6.0		6.0			G,X	550		2,100	<u> </u>
		Chromium [Total] (H)	27	L	18	30		30.		3.3		2,500		9,200	ļ
		Copper (B)	62		32	5,800		5,800		75,000	G	20,000		73,000	<u> </u>
		Cyanide (P,R)	0.46		0.39	4.0		4.0		0.10		12		250	ļ
		Iron (B)	14,000	A09	12,000	6.0		6.0		NA		160,000		580,000	
-		Lead (B)	350	Х3	21	700		700	<u> </u>	2,800,000	G,X	₹400		900	DD
		Manganese (B)	230	A04	440_	1.0		1.0 .		56	G,X	25,000		90,000	
		Mercury [Total] (B,Z)	0.30		0.13	1.7		1.7	<u> </u>	0.05	_M_	160		580	
		Nickel (B)	22		20	100		100		76	G	40,000		150,000	
		Silver (B)	0.60	<u> </u>	1.0	4.5		13		0.10	M	2,500		9,000	
		Vanadium	19		·	72		990		430		750	DD	5,500	DD
	7440-66-6	Zinc (B)	5,400	Х3	47	2,400		5,000		170	G	170,000		630,000	

TABLE 3
SOIL BORING LITHOLOGY AND SAMPLE LOG

SAMPLE	1	ATION INATES Northing	CORE INTERVAL (ft.)	RECOVERY (in.)	UNIT THICKNESS (in.)	LITHOLOGICAL DESCRIPTION WITH PHOTOIONIZATION DETECTOR (PID) READING*	SAMPLE INTERVALS AND COMMENTS
SB-2015-01	737034.64	239246.55	0-4 4-8 7.5-11.5	43 43 38	0-5 5-25 25-32.5 32.5-40 0-5 5-7 7-11 11-23 23-29 29-43 0-4 4-14 14-22 22-43 0-13	Dry, dark brown, topsoil with some organics. Dry to moist, red to brown, medium to coarse sand, some pea stone. Moist, gray to light gray, medium to coarse sand, some pea stone. Moist, red to gray, medium to coarse sand with some black spots. Slough. Moist, red to gray, medium to coarse sand with some black spots. Moist, gray, coarse sand with pea stone. Saturated, red to rusty orange, fine to medium sand. Saturated, gray, coarse sand with pea stone. Moist to saturated, gray, silt. Slough. Saturated, gray silt with pea stone gravel. Saturated, gray, silt. Moist, gray, fine sand. Saturated, gray, silty sand.	Deep grab sample. VOA portion of sample collected at 37 in. of 0-4 ft. core. Remaining sample portion taken from 32-37 in. of 0-4 ft. core. Corresponding well TMW-01. PID = 0.0 for all cores.
.					13-17 17-38	Moist, gray clay. Saturated, gray, silty sand with trace clay.	

TABLE 3
SOIL BORING LITHOLOGY AND SAMPLE LOG

	SAMPLE	LOCA COORD	ATION INATES	ORE ITERVAL t.)	COVERY	T CKNESS	LITHOLOGICAL DESCRIPTION WITH	SAMPLE INTERVALS
l	SAN	Easting	Northing	CORE INTER' (ft.)	REC (in.)	UNIT THICH (in.)	PHOTOIONIZATION DETECTOR (PID) READING*	AND COMMENTS
	SB-2015-02	737095.66	239102.39			30-32	Dry, dark brown, fine sand with organic material (roots and leaves) and debris (foam material, glass, metal, slag). Dry to moist, light brown, fine sand with gravel.	Deep grab sample. Hand Auger. VOA portion of sample collected at 24 in.
								Remaining sample portion taken from 24-30 in.

TABLE 3
SOIL BORING LITHOLOGY AND SAMPLE LOG

г	_			-				· · · · · · · · · · · · · · · · · · ·
	SAMPLE NUMBER		ATION DINATES	CORE INTERVAL (ft.)	RECOVERY (in.)	UNIT THICKNESS (in.)	LITHOLOGICAL DESCRIPTION WITH	SAMPLE
L	SAI	Easting	Northing	CO IN (F)		UN TH (in.	PHOTOIONIZATION DETECTOR (PID) READING*	INTERVALS AND COMMENTS
Γ	SB-2015-03	737218.80	239119.62	0-4	37	0-2	Moist, dark brown to black topsoil with organic matter. PID = 0.0	Deep grab sample.
۱			-			2-10	Dry, gray concrete with pea stones.	VOA martia a at a annula
1						10-13	PID = 0.1 - 0.4 Moist, brown, fine sand with trace pea stone.	VOA portion of sample collected at 15 in, of
ł						13-23	Moist, light brown, coarse to medium sand with some large pea	4-8 ft. core.
1				,			stone.	,
ı	Į			·		23-30	Dry to moist, light brown, fine sand.	Remaining sample
	_	,		,		00.07	PID = 0.0 at 10-30 in.	portion taken from
ı	·					30-37	Gray to light brown, gravel to fine sand with large pea stone and trace organic matter (roots). PID = 0.1 - 0.3	.14-20 in. of
ı				4-8	46	.0-3	Gray to light brown, gravel to fine sand with large pea stone and	4-8 ft. core.
1				'	.0		trace organic matter (roots). PID = 0.0	Corresponding well
ı		ı				3-6	Slough. PID = 0.2	TMW-03.
١	1					6-14	Moist, light brown, coarse sand with fine gravel and stone.	i
ı							PID = 0.5 - 1.2	
ı						14-35 35-46	Moist to saturated, light brown to red, silty sand.	
ı						<i>აა</i> −40	Saturated, gray, silty sand. PID = 0.2-0.9 at 14-46 in.	
ł				8-11	48	0-15	Slough.	
-						15-48	Saturated, gray silt, dryer towards end.	
							PID = 0.3 – 1.1 at 0-48 in.	
J				12- 16	42	0-11	Saturated, gray silt. PID = 0.3 – 1.1	
1				(Discrete		11-15	Saturated, gray silt with bubbles. PID = 2.2	
-				Core)		15-22 22-25	Saturated, gray silt. Moist, gray clay.	
-	j					25-42	Moist, gray silt with trace clay.	
1							PID = 0.3 – 1.1 at 15-42 in.	

TABLE 3
SOIL BORING LITHOLOGY AND SAMPLE LOG

SAMPLE NUMBER	LOCA COORD	TION INATES	CORE INTERVAL (ft.)	COVERY)	UNIT THICKNESS (in.)	LITHOLOGICAL DESCRIPTION WITH	SAMPLE INTERVALS
SAI	Easting	Northing	CO INT (ff.)	REC (in.)	S H (i)	PHOTOIONIZATION DETECTOR (PID) READING*	AND COMMENTS
SB-2015-04	737115.28	239147.55	0-4	34	0-8	Dry, dark brown topsoil with some organic	Deep grab
	(8-17	material. Dry to moist, brown to dark brown sand with large	sample.
					17-34	gravel and pea stone. Moist, rusty brown, medium to coarse, sand with	VOA portion of sample
					17-34	few pea stones.	collected at
						PID = 0.0 for entire core	29 in. of
1		<i>\$</i>	4-8	46	0-2	Slough.	0-4 ft. core.
	r.				2-5	Moist, rusty brown, medium to coarse, sand with few pea stones.	Remaining
		-			5-25	Moist to saturated, gray-brown, coarse sand to fine gravel.	sample portion taken from
1					25-34	Moist to saturated, gray silt with a rusty red seam.	
					34-46	Moist, gray clay with some silt. PID = 0.0 for entire core	0-4 ft. core.
			8-12	37	0-1	Slough.	Corresponding
			·		1-21	Saturated, gray, silt.	well TMW-04.
	,	, ,			21-37	Moist to dry, gray, clay, trace silt. PID = 0.0 – 0.2 for entire core.	

TABLE 3
SOIL BORING LITHOLOGY AND SAMPLE LOG

SAMPLE	COORI	LOCATION COORDINATES Easting Northing		COORDINATES		RECOVERY (in.)	UNIT THICKNESS (in.)	LITHOLOGICAL DESCRIPTION WITH PHOTOIONIZATION DETECTOR (PID) READING*	SAMPLE INTERVALS AND COMMENTS
SB-2015-05			0-4	30	0-6	Dry, brown to light brown, sandy, silty topsoil, organic rich, roots, trace	Deep grab sample.		
65-2610-06		200047.00	4-8	48	6-9 9-30 0-10 10-24	coarse sand to fine gravel. Dry, tan to brown, sandy, silty topsoil, organic rich, coarse sand to fine gravel. Fill; dry to moist, changes color from dark brown to brown, to rusty-brown to grayish-brown, to tan-brown, roots, plastic, glass, debris, slag, metal and small stones. Slough. Dry to moist, light rusty-brown, fine to medium sand, trace silt, trace	VOA portion of sample collected at 22-24 in. of 0-4 ft. core. Remaining sample portion taken from 9-30 in. of 0-4 ft. core.		
					24-34 34-48	coarse sand to fine gravel, occasional stone. Moist, silty clay, with medium to coarse sand, fine gravel and occasional stone. Moist, light rusty-tan with olive-tan, fine sand with silt and finely layered seams of sandy silt.	Corresponding well TMW-07.		
			7-11	48	0-18 18-29 29-39 39-48	Slough. Saturated, olive-brown to tan-brown, fine sand, trace silt, finely layered sandy silt. Saturated, light olive-gray, sandy silt with thin seams of silty clay at 37 inches. Moist, rusty olive-brown to rusty olive-gray, dense, layered silty clay and			
	, .		12-16 (Discrete Core)	39	0-15 15-39	sandy silt. Moist, light gray, very fine, sandy silt. Moist, light olive-gray, finely layered, sandy silt.			
		·	16-20 (Discrete Core)	40	0-4 4-23 23-35 35-40	Moist, olive-gray and olive-tan, interlayered mixture of clay, silts, silty sand, and sandy silt. Moist to saturated, light olive-gray, fine sand with some silt, 1 inch seam of silty clay at 9.5 – 10.5 inches; ¼ inch finely layered seam of sand at 18.5 inches. Moist, gray, stiff, sandy silt with finely layered, 1/8 inch layers of gray, silty clay; fine sand seam at 29-30 inches. Moist, light gray, very fine sand with ½ inch stone.			
			20-24 (Discrete Core)	36	0-36	Moist, light olive-gray, stiff, somewhat plastic, finely layered layers of sandy and silty clay, 1/8 to ¼ inch thick, with a pea stone. PID = 0.0 for all cores.			

TABLE 3
SOIL BORING LITHOLOGY AND SAMPLE LOG

	SAMPLE		ATION DINATES	CORE INTERVAL (ft.)	RECOVERY (in.)	UNIT THICKNESS (in.)	LITHOLOGICAL DESCRIPTION WITH PHOTOIONIZATION DETECTOR (PID)	SAMPLE INTERVALS AND
L		Easting	Northing	_			READING*	COMMENTS
1	B-2015-06	737070.33	239034.56	0-4	34	0-5	Moist, yellowish brown, fine to medium sand, sandy and silty organic rich topsoil, trace clay.	Deep grab sample.
						5-9.5 9.5-11 11-18	Moist, rocky clay with concrete. Moist, tan-brown, rusty, fine to medium sand. Moist, dark brown clay with organic rich sand, wood fibers and roots becoming sandier.	VOA portion of sample collected at 8-10 in. of 4-8 ft. core.
1						18-21 21-24	Moist, light brown, red tint, sand with wood fibers, plastic pieces and fill material. Moist, olive-brown, finely layered sand with roots.	Remaining sample portion taken from 6-18 in. of 4-8 ft. core.
						24-34	Moist, brown to rusty brown, fine to medium sand, some silt, abundant tree fibers, debris, and broken glass.	Corresponding well TMW-08.
				4-8	37	0-6	Fill material; dry to moist, dark brown to dark rusty-brown, organic rich, glass and wood fibers.	
		·				6-11	Moist, dark grayish-brown to rusty-brown, fine sand and silt with rubber, glass, rocks and roots.	1
١		-				11-18	Moist, olive-tan, medium to coarse sand with mix of sand, silt, clay and fine gravel, with glass and roots.	
1.				8-12	40	18-37	Moist, darker olive-brown mix with brown rust color, wood fibers, roots, glass, rubber and leather, rustier color with depth.	
ı				8-12	48	0-8 8-20	Fill material, dry to moist, brown to dark brown, rusty-brown, silt, wood fibers, glass, plastic, slag, trace of fine gravel.	
ı							Moist, mottled rusty-tan to olive-tan to olive-gray, silt to sandy clay silt with glass and occasional pea stone.	
1						20-23	Moist, dark brown to black-brown, sandy silt with trace clay, roots, and trace fine gravel.	
						27-48	Moist to saturated, olive-gray, sandy silt with pea gravel and roots. Saturated, olive-gray, stiff, sandy silt with trace clay.	
				12-16	41	0-1.5 1.5-21	Slough. Saturated, olive-gray, stiff sandy silt with seams of clayey silt at 5-9 inches.	
		-		16-20	41	21-41 0-1	Moist to saturated, tan, olive-gray, silty sand, seam of silty clay at 33 inches. Slough.	
				20-24	45.5	1-41 0-2	Moist to saturated, olive to light gray, silty sand, 1 inch seam of silty clay at 9 inches. Slough.	
						2-24.5 24.5-28.5 28.5-45.5	Saturated, olive-gray, stiff, very fine, silty sand. Moist, olive-gray, stiff, plastic, silty clay. Moist to saturated, olive-gray, sandy silt with some clay seams; grading to silty sand at 39 inches.	
L		·					PID = 0.0 for all cores.	

TABLE 3
SOIL BORING LITHOLOGY AND SAMPLE LOG

SAMPLE		ATION DINATES	CORE INTERVAL (ft.)	COVERY)	UNIT THICKNESS (in.)	LITHOLOGICAL DESCRIPTION WITH	SAMPLE INTERVALS
SAF	Easting	Northing	CORE INTER (ft.)	REC (in.)	UNII THIC (in.)	PHOTOIONIZATION DETECTOR (PID) READING*	AND COMMENTS
SB-2015-07	737124.84	239050.99	0-4	36	0-19 19-33	Topsoil; moist, dark to rusty-brown, organic rich, fine to medium sand, with debris, glass and brick. Dry to moist, rusty-tan, fine sand with silt and stones.	Deep grab sample. VOA portion of sample
,			4-8	46	33- 36 0-2 2-17	Moist, rusty-brown, fine to coarse sand with clay and small gravel. Slough. Moist, mottled, gray to rusty, fine sand and silt with some glass and debris.	collected at 5-8 in. of 4-8 ft. core.
			7.5.44.5	40	17-21 21-24 24-46	Moist, light rust, fine sand and silt. Moist, light gray to rusty-tan, stiff, silt to coarse sand. Moist, olive-brown, sandy silt and fine sand.	portion taken from 2-17 in. of 4-8 ft. core.
			7.5-11.5	48	0-12 12-30 30-48	Slough. Dry to moist, rusty olive-brown, sandy silt. Dry to moist, hard, dense, brittle, clay, higher 1 inch of fine sand.	Corresponding well TMW-06.
			12-16 (Discrete Core)	42	0-3 3-12 12-14 14-31 31-42	Moist, light olive-gray, fine sand with silt, trace clay. Moist, light olive-gray, stiff, clayey silt. Moist, light olive-gray, silt, trace clay. Saturated, gray, silt and fine sand, gravel. Saturated, olive-gray to light gray, silt and fine sand.	
	-	,	16-20 (Discrete Core)	44	0-9 9-15 15-31 31-44	Saturated, olive-gray, fine to very fine sand and silt. Saturated, olive-gray, finely layered, fine to very fine sand and silt. Saturated, olive-gray, fine to very fine sand with silt. Saturated, olive-gray, stiff, silt, with fine to very fine sand.	
			20-24 (Discrete Core)	46	0-5 5-23 23-40 40-46	Moist, olive-gray, fine sand, trace silt. Saturated, olive-gray, fine to very fine sand, trace silt. Moist to saturated, olive-gray, dense, fine to very fine sand, trace silt. Moist to saturated, olive-gray, fine to very fine sand, trace silt. PID = 0.0 for all cores.	

TABLE 3
SOIL BORING LITHOLOGY AND SAMPLE LOG

SAMPLE			ATION DINATES	RE ERVAL	COVERY)	UNIT THICKNESS (in.)	LITHOLOGICAL DESCRIPTION WITH	SAMPLE
SAI		Éasting	Northing	CO INT (ft.)	RE(in.	UN THI (in.	PHOTOIONIZATION DETECTOR (PID) READING*	INTERVALS AND COMMENTS
SB-2015-08	В	736913.10	238963.95			8-15 15-25 25-31 31-45 0-5 5-13	Moist, olive-brown, sandy, organic rich topsoil with some silt, fine gravel, and trace medium to coarse sand, abundant roots. Moist, olive-brown, stiff, silty sand with trace fine gravel and occasional pebbles. Dry to moist, dark gray, silty, fine to coarse sand, trace fine gravel and occasional pebbles. Moist, olive-gray, medium to coarse sand, trace of silt and fine gravel. Moist, olive greenish-gray, fine to medium sandy clay and silt with occasional pea stone and gravel. Slough. Moist, olive greenish-gray, fine to coarse sandy, silty clay with trace fine gravel and occasional stone. Saturated, gray, fine sand with roots. Saturated, gray to olive-gray, medium to fine grading to fine to very	Deep grab sample. VOA portion of sample collected at 18-21 in. of 0-4 ft. core. Remaining sample portion taken from 8-31 in. of 0-4 ft. core. Corresponding well TMW-10.
·						1-14.5 14.5-24 24-40 40-43	fine sand with some black streaks at 25.5 inches and a thin seam of clay at 23.5 inches. Slough. Saturated, olive-gray, very fine sand with some silt, thin seams of clay 1/8 inch thick. Saturated, olive-gray, stiff, sandy silt with clay stringers. Saturated, olive-gray, fine to very fine sand with some silt, few clay stringers 27 to 29 inches and 35 to 40 inches. Moist, olive-gray, sandy, clayey silt. Moist, olive-gray, stiff, finely layered, sandy silt.	
						24-34	Moist, olive-gray, stiff, finely layered, silty sand. Moist, alternating layers of dark olive-gray and olive-gray, mixture of sandy silt and silty clay. PID = 0.0 for all cores.	

TABLE 3
SOIL BORING LITHOLOGY AND SAMPLE LOG

	SAMPLE		ATION DINATES	CORE INTERVAL (ft.)	OVERY	UNIT THICKNESS (in.)	LITHOLOGICAL DESCRIPTION WITH	SAMPLE
		Easting	Northing	COF INTE (ft.)	REC (in.)		PHOTOIONIZATION DETECTOR (PID) READING*	INTERVALS AND COMMENTS
	SB-2015-09	736935.74	238921.98	0-4 4-8	45 38	0-10 10-45 0-5 5-8 8-38	Topsoil, dry, tan to brown, coarse sand with fine gravel, pea stone, and organic matter. Moist, olive-brown, medium to fine sand with gravel, brown/gray fill material, some concrete and a medium rock. PID = 0.1 - 0.2 throughout core Moist, brown, silty sand with some gravel, some organic matter. PID = 0.2 - 0.7 (at top of core) Broken concrete. PID = 0.4 Moist, tannish-gray, mixed clay, sand, and gravel fill.	Deep grab sample. VOA portion of sample collected at 12 in. of 8-12 ft. core. Remaining sample portion taken from 11-15 in. of 8-12 ft. core.
-				8-12	48	0-8 8-10 10-12	PID = 0.1 – 0.2 Slough. PID = 0.1 – 0.3 Moist, tannish-gray, mixed clay, sand, and gravel fill. Moist, blackish-brown, silty, fine organics (looks like topsoil). PID = 1.0	Corresponding well TMW-09. Note: Discrete sampler
	^.			11-15	48 ·	12-17 17-40 40-45 45-48 0-10 10-27 27-32 32-41 41-48	Very moist, gray, fine sand, trace silt, some fabric debris. Moist, tannish-gray, silt, trace clay. Moist, tan-gray, fine sand. Moist, tannish gray, silt, trace clay. Slough. PID = 0.4 – 0.6 Very moist to saturated, silt, trace sand. PID = 0.4 to 2.5 to 0.1 from top to bottom of 10-27 inch interval. Moist, medium gray, silty, fine sand with black streaking. Moist, gray, silt. Moist, gray, silty, fine sand. PID = 0.0 – 0.1 at 27 to 48 inches	used for 16-20 ft. core and 20-24 ft. core.
				16-20 Discrete 20-24 Discrete	38 41	0-38 0-3 3-41	Moist, gray, silt. $PID = 0.1 - 0.2$ <i>Note:</i> Discrete sampler used. Saturated, gray, silt. <i>Note:</i> Discrete sampler used. Moist, gray, silt; gets drier towards bottom. $PID = 0.0 - 0.1$	

TABLE 3
SOIL BORING LITHOLOGY AND SAMPLE LOG

SAMPLE		ATION DINATES	CORE INTERVAL (ft.)	RECOVERY (in.)	UNIT THICKNESS (in.)	LITHOLOGICAL DESCRIPTION WITH	SAMPLE
SAN	Easting	Northing	COI INT (ft.)	REC (in.)	UNI THIC (in.)	PHOTOIONIZATION DETECTOR (PID) READING*	INTERVALS AND COMMENTS
			4-8 8-12	35	6-20 20-25 25-34 0-2 2-6 6-21 21-35 0-7	organics/roots. Slightly moist, brown, silty, fine to medium sand with some fine gravel, clay chunks, and glass. Dry, tan brown, fine sand with some silt. Dry, gray brown, fine sand with trace silt and some wood, glass and metal debris. Slough. Dry, gray-brown, fine sand with trace silt and some wood, glass and metal debris. Dry, tan, fine sand with some silt and a little coarse sand to fine gravel. Slightly moist, brown, fine sand with some silt and some coarse sand to fine gravel. Slightly moist, brown, fine sand with some silt and some coarse sand to fine gravel. Moist, tan, silty, fine sand.	VOA portion of sample collected at 5 in. of 4-8 ft. core. Remaining sample portion taken from 2-16 in. of 4-8 ft. core. Corresponding well TMW-05. PID = 0.0 for all cores.
			12-16 16-20 20-24	48 44 48	Moist, gray-brown, silt with trace clay. Moist, gray silt with trace clay. Slough. Moist, gray silt, some fine sand, some silty lenses. Slough. Moist, gray silt with trace clay and some thin silty lenses. Slough. Moist to very moist, gray silt with trace clay grading to silt, some fine sand and wet, silty, fine sand lenses.		

TABLE 3
SOIL BORING LITHOLOGY AND SAMPLE LOG

SAMPLE	LOCATION COORDINA	TES	CORE INTERVAL (ft.)	RECOVERY (in.)	UNIT THICKNESS (in.)	LITHOLOGICAL DESCRIPTION WITH	SAMPLE INTERVALS
SAI	Easting	Northing	CO INT (ft.)	REC (in.)	UNI (in)	PHOTOIONIZATION DETECTOR (PID) READING*	AND COMMENTS
Soil Boring Log for TMW-02:	737211.99	239273.86	0-4	37	0-11.5 11.5-20 20-37	Dry, gray-brown, very fine, dusty sand. Dry, tan, very fine, dusty sand. Dry to moist, brown, coarse sand with little	No soil boring sample collected.
No soil boring sample collected	·	·	4-8	48	0-4 4-9 9-25	gray pea stone; grayer toward bottom. Slough. Dry to moist, brown, coarse sand with little gray pea stone; grayer toward bottom. Saturated, rusty-brown, silt.	Soil boring log during the installation of TMW-02.
		~	8-12	40	25-48 0-1 1-40	Saturated, gray, silt with trace clay at bottom. Slough. Moist to saturated, gray, silty clay, less clay towards bottom of core.	Corresponding well TMW-02.
			12-16	38	0-2 2-21 21-38	Dry to moist, gray silt. Saturated, gray, silt. Moist, gray, silty clay.	
						PID = 0.0 for all cores.	

Location Coordinates: Michigan GeoRef, NAD 1983, Meters

^{*} PID reading units are parts per million (ppm).

TABLE 4
SOIL BORING SAMPLE DATA SUMMARY

								Groundwater Pro	otec	tion			Co	ntact	
Sample Number	CAS Number	Hazardous Substance (Footnotes)	Sample Concentration	Qualifiers	Statewide Default Background Levels	Residential Drinking Water Protection Criteria	Footnotes	Nonresidential Drinking Water Protection Criteria	Footnotes	Groundwater Surface Water Interface Protection Criteria	Footnotes	Residential Direct Contact Criteria	Footnotes	Nonresidential Direct Contact Criteria	Footnotes
SB-2015-01		VOLATILES	(μ g/kg)		(μg/kg)	(μg/kg)		(μg/kg)		(μ g/kg)		(μg/kg)		(μg/kg)	
		No volatile organic compounds detected above reporting limits.						1,2,5,							
		SEMI-VOLATILES	(μg/kg)		(μg/kg)	(μg/kg)		(μg/kg)		(μg/kg)		(μg/kg)		(μg/kg)	
		No semi-volatile organic compounds detected above reporting limits.													
		PESTICIDES/PCBS	(μg/kg)		(μg/kg)	(μg/kg)		(μg/kg)		(μg/kg)		(μg/kg)	-	(μg/kg)	
,		No pesticides/PCBs compounds detected above reporting limits.							·			:			
		INORGANICS	(mg/kg)		(mg/kg)	(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	
l	7440-39-3	Barium (B)	43		75	1,300		1,300		440	G	37,000		130,000	
	7440-50-8	Copper (B)	12	A09	32	5,800		5,800		75	G	20,000	`	73,000	
	7439-89-6	Iron (B)	9,000	A09	12,000	6.0		<u>:</u> 6.0		NA		160,000		580,000	
	7439-92-1	Lead (B)	3.1		21	700		700		2,800	G,X	400		900	DD
1		Manganese (B)	780		440	1.0		1.0'		56	G,X	25,000		90,000	
l	7440-02-0	Nickel (B)	17		. 20	100		100		76	G	40,000		150,000	
		Vanadium	15			72		990		430		750	DD	5,500	DD
	7440-66-6	Zinc (B)	22		47	2,400		5,000		170	G	170,000	l	630,000	1 /

								Groundwater Pro	otec	tion			Co	ntact	
Sample Number	CAS Number	Hazardous Substance (Footnotes)	Sample Concentration	Qualifiers	Statewide Default Background Levels	Residential Drinking Water Protection Criteria	Footnotes	Nonresidential Drinking Water Protection Criteria	Footnotes	Groundwater Surface Water Interface Protection Criteria	Footnotes	Residential Direct Contact Criteria	Footnotes	Nonresidential Direct Contact Criteria	Footnotes
SB-2015-02		VOLATILES	(μ g/kg)	_	(μ g/kg)	(μg/kg)		(μg/kg)	-	(μg/kg)		(μg/kg)		(μg/kg)	
02 20:0 02		No volatile organic compounds detected above reporting limits.	(µg/ng)		(μg/ng)	(µg/ng/		(µg/kg)		(μg/kg)		<u>(μg/ng)</u>		(µg/kg)	
		SEMI-VOLATILES	(μg/kg)		(μg/kg)	(μg/kg)		(μg/kg)		(μg/kg)		(μg/kg)	,	(μg/kg)	
	84-74-2	Di-n-butyl phthalate	8,300			960,000	С	2,700,000	С			27,000,000	С	87,000,000	С
		PESTICIDES/PCBS	(μ g/kg)		(μ g/kg)	(μg/kg)		(μ g/kg)		(μg/kg)		(μg/kg)		(μg/kg)	
	72-54-8	4-4'-DDD	830			NLL -		NLL		NLL		95,000		400,000	
	72-55-9	4-4'-DDE	2,200			NLL		NLL	1	NLL		45,000		190,000	1
	789-02-6	2-4'-DDT	180			NA .		NA.	1	NA		NA		NA	†
	50-29-3	4-4'-DDT	1,100	_		NLL		NLL		NLL		57,000		280,000	1
		INORGANICS	(mg/kg)		(mg/kg)	(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	1
	7440-36-0	Antimony	7.8	-		4.3		4.3		94	Χ	180	ĺ	670	T
	7440-38-2	Arsenic	21		5.8	4.6		4.6		4.6		7.6		37	1
	7440-39-3	Barium (B)	700		75	1,300		1,300		440	G	37,000		130,000	1
		Cadmium (B)	5.3		1.2	6.0		6.0	١.	3.6	G,X	550		2,100	1
	7440-47-3	Chromium [Total] (H)	52		18	30		30	<u> </u>	3.3	,	2,500		9,200	T
	7440-48-4	Cobalt	9.2		6.8	0.8		2.0		2.0		2,600	· · · · · ·	9,000	1 .
	7440-50-8	Copper (B)	200		32	5,800		5,800	i –	75	G	20,000		73,000	1
	57-12-5	Cyanide (P,R)	18		0.39	4.0		4.0		0.10		12		250	1
	7439-89-6	Iron (B)	87,000		12,000	6.0		6,0		NA .		160,000		580,000	1
	7439-92-1	Lead (B)	1,200		21	700		700		2,800	G,X	400		900	DD
!	7439-96-5	Manganese (B)	510		440	1.0		1.0		56	G,X	25,000		90,000	1
	7439-97-6	Mercury [Total] (B,Z)	0.20		0.13	1.7		1.7		0.05	M	160		580	1
		Molybdenum (B)	4.7	-		1.5		4.2		64	Х	2,600		9,600	T
	7440-02-0	Nickel (B)	. 37		20	100		100	1	76	G	40,000		150,000	1
	7440-62-2	Vanadium	14	-		72		990		430		750	DD.	5,500	DD
-	7440-66-6	Zinc (B)	2,100		47	2,400		5,000	ĺ	170	G	170,000	1	630,000	1

		Annual to the control of the control		A		1 A		Groundwater Pro	otec	tion			Co	ntact	~
Sample Number	CAS Number	Hazardous Substance (Footnotes)	Sample Concentration	Qualifiers	Statewide Default Background Levels	Residential Drinking Water Protection Criteria	Footnotes	Nonresidential Drinking Water Protection Criteria	Footnotes	Groundwater Surface Water Interface Protection Criteria	Footnotes	Residential Direct Contact Criteria	Footnotes	Nonresidential Direct Contact Criteria	Footnotes
SB-2015-03		VOLATILES	(μg/kg)		(μg/kg)	(μg/kg)		(μ g/kg)		(μg/kg)		(μg/kg)		(μg/kg)	
		No volatile organic compounds detected above reporting limits.						`							
		SEMI-VOLATILES	(μ g/kg)		(μg/kg)	(μg/kg)		(μg/kg)		(μg/kg)		(μg/kg)		(μg/kg)	
		No semi-volatile organic compounds detected above reporting limits.						·							
		PESTICIDES/PCBS	(μg/kg)		(μg/kg)	(μg/kg)		(μg/kg)		(μg/kg)		(μg/kg)		(μg/kg)	
		No pesticides/PCBs compounds detected above reporting limits.													
		INORGANICS	(mg/kg)		(mg/kg)	(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	
	7440-38-2	Arsenic	5.4	A09	5.8	4.6		4.6		4.6		7.6		37	
	7440-39-3	Barium (B)	23		75	1,300		1,300		4,400	G	37,000		130,000	
·	7440-48-4	Cobalt	5.3		6.8	0.8		2.0		2.0		2,600		9,000	
	7440-50-8	Copper (B)	12	A09	32	5,800		5,800		75	G	20,000		73,000	
	7439-89-6	Iron (B)	13,000	A09	12,000	6.0		6.0		NA		160,000		580,000	
	7439-92-1	Lead (B)	5.0		21	700		700		2,800	G,X	400		900	DD
	7439-96-5	Manganese (B)	360		440	1.0		1.0		56	Ğ,X	25,000		-90,000	<u> </u>
	7440-02-0	Nickel (B)	15		20	100		.100		76	G	40,000		150,000	1
	7440-62-2		17			72		990		430		750	DD	5,500	DD
	7440-66-6	Zinc (B)	36		47	2,400		5,000		170	G	170,000		630,000	<u> </u>
SB-2015-03A		VOLATILES	(μg/kg)		(μg/kg)	(μg/kg)		(μg/kg)		(μg/kg)		(μ g/kg)		(μg/kg)	
		No volatile organic compounds detected above reporting limits.			,		-					·			

								Groundwater Pro	otec	tion			Co	ntact	
Sample Number	CAS Number	Hazardous Substance (Footnotes)	Sample Concentration	Qualifiers	Statewide Default Background Levels	Residential Drinking Water Protection Criteria	Footnotes	Nonresidential Drinking Water Protection Criteria	Footnotes	Groundwater Surface Water Interface Protection Criteria	Footnotes	Residential Direct Contact Criteria	Footnotes	Nonresidential Direct Contact Criteria	Footnotes
SB-2015-04		VOLATILES	(μ g/kg)		(μg/kg)	(μg/kg)		. (μg/kg)		(μ g/kg)	-	(μg/kg)	-	(μg/kg)	
		No volatile organic compounds detected above reporting limits.													
		SEMI-VOLATILES	(μg/kg)		(μ g/k g)	(μg/kg)		(μg/kg)		(μg/kg)		(μg/kg)		(μg/kg)	
		No semi-volatile organic compounds detected above reporting limits.		,								:			
		PESTICIDES/PCBS	(μg/kg)		(μg/kg)	(μg/kg)		_(μg/kg)		(μg/kg)		(μg/kg)		(μg/kg)	
		No pesticides/PCBs compounds detected above reporting limits.													
		INORGANICS	(mg/kg)		(mg/kg)	(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	
	-	Arsenic	5.7	A09	5.8	4.6		4.6		4.6		7.6		37	
	7440-39-3	Barium (B)	33		75	1,300		1,300		440	G	37,000		130,000	└
	7440-50-8	Copper (B)	10	A09	32	5,800		5,800		75	G	20,000		73,000	<u> </u>
		Iron (B)	13,000	A09	12,000	6.0		6.0		NA		160,000	<u> </u>	580,000	—
	7439-92-1	Lead (B)	5.1	_	21	700		700		2,800	G,X	400		900	DD
		Manganese (B)	640		440	1.0	<u>L</u>	1.0	L	56	G,X	25,000		90,000	
		Nickel (B)	14		20	100	<u> </u>	100	L	76	G	40,000		150,000	1
		Vanadium	22			72	<u> </u>	990		430		750	DD	5,500	DD
	7440-66-6	Zinc (B)	28		47	2,400	1	5,000	l	170	G	170,000	i	630,000	1

TABLE 4 SOIL BORING SAMPLE DATA SUMMARY

्रम् स्टब्स् स्टब्स्	e were .							Groundwater Pr	otec	tion		A # # # #	Co	ntact	
Sample Number	CAS Number	Hazardous Substance (Footnotes)	Sample Concentration	Qualifiers	Statewide Default Background Levels	Residential Drinking Water Protection Criteria	Footnotes	Nonresidential Drinking Water Protection Criteria	Footnotes	Groundwater Surface Water Interface Protection Criteria	Footnotes	Residential Direct Contact Criteria	Footnotes	Nonresidential Direct Contact Criteria	Footnotes
SB-2015-05	1	VOLATILES	(μg/kg)		(μg/kg)	(μg/kg)		(μg/kg)		(μg/kg)	•	(μg/kg)		(μ g/kg)	
		2-Methylnaphthalene	460	Х	(2.337	57,000		170,000		4,200		8,100,000		26,000,000	
	91-20-3	Naphthalene	1,000	X		35,000		100,000	 	730		16,000,000		52,000,000	
	0.200	SEMI-VOLATILES	(μg/kg)		(μg/kg)	(μg/kg)	_	(μg/kg)		(μg/kg)		(μg/kg)		(μg/kg)	
	83-32-9	Acenaphthene	4,200		(µg/kg)	300,000		880,000	-	8,700		41,000,000		130,000,000	
		Anthracene	8,500			41,000		41,000	┢	ID ID		230,000,000		730,000,000	
		Benzo(a)anthracene (Q)	18,000			NLL	一	NLL NLL	\vdash	NLL	-	20,000		80,000	
		Benzo(b)fluoranthene (Q)	23,000			NLL		NLL	<u> </u>	NLL		20,000		80,000	
		Benzo(k)fluoranthene (Q)	8,800			NLL		NLL	┢	NLL		200,000		800,000	
		Benzo(g,h,i)perylene	6,400			NLL		, NLL	 	NLL		2,500,000		7,000,000	
		Benzo(a)pyrene (Q)	17,000	-		NLL		NLL	1	NLL		2,000		- 8,000	
		Chrysène (Q)	18,000			NLL	_	NLL	<u> </u>	NLL		2,000,000		8,000,000	
	206-44-0	Fluoranthene	45,000			730,000	-	730,000	1	5,500		46,000,000		130,000,000	
		Fluorene	3,800			390,000	-	890,000	t	5,300		27,000,000	-	87,000,000	
	193-39-5	Indeno(1,2,3-cd)pyrene (Q)	7,600			NLL	-	NLL	t	NLL NLL		20,000		80,000	
		Naphthalene	3,000	 	-	35,000		100,000	 	730		16,000,000		52,000,000	
		Phenanthrene	33,000			56,000		160,000	 	2,100		1,600,000		5,200,000	
		Pyrene	33,000			480,000	_	480,000		ID		29,000,000		84,000,000	
		PESTICIDES/PCBS	(μg/kg)	 	(μg/kg)	(μg/kg)	-	(μg/kg)		(μg/kg)		(μg/kg)		(μg/kg)	
	72-54-8	4-4'-DDD	110	,	(µg/kg)	NLL NLL	<u> </u>	NLL	 	NLL NLL		95,000	<u> </u>	400,000	
	72-55-9	4-4'-DDE	200			NLL		NLL	 	NLL		45,000		190,000	
		2-4'-DDT	89			NA	_	NA NA	t	NA NA		NA.		NA	\vdash
		4-4'-DDT	350	-		NLL		NLL	<u> </u>	NLL		57,000		280,000	\vdash
		Polychlorinated biphenyls [PCBs] (J,T)	1,100	JD,T,Y21		NLL		NLL		NLL		4,000	Т	16,000	 -
	1000 00 0	INORGANICS	(mg/kg)	00,1,121	(mg/kg)	(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	
	7440-36-0		13		(<i>mg/ng/</i>	4.3		4.3		94	X	180		670	
	7440-38-2		21	A09	5.8	4.6		4.6		4.6		7.6		37	
	7440-39-3		600	1	75	1,300	Ė	1,300		440	G	37,000		130,000	
		Cadmium (B)	12	<u> </u>	1.2	6.0		6.0		3.6	G,X	550		2,100	
		Chromium [Total] (H)	58		18	30		30		3.3	· .	2,500		9,200	
	7440-48-4		10		6.8	0.8		2.0		2.0		2,600		9,000	
	7440-50-8		1,500	A09	32	5,800		5,800	Ī-	75	G	20,000		73,000	
		Cyanide (P,R)	1.2		0.39	4.0		4.0		0.10		12.		250	
	7439-89-6	Iron (B)	41,000	A09	12,000	6.0		6,0		·NA		160,000		580,000	
	7439-92-1	Lead (B)	940		21	700		700		2,800	G,X	400		900	DD
		Manganese (B)	620		440	1.0		1.0		56	Ģ,X	25,000		90,000	
•		Mercury [Total] (B,Z)	0.50		0.13	1.7		1.7		0.05	М	160		580	
		Molybdenum (B)	13	A09		1.5		4.2		64	X	2,600		9,600	
•	7440-02-0		45		20	100		100		76	G	40,000		150,000	
b . ' [™] :	7440-22-4	Silver (B)	39	A09	. 1.0	4.5		13		0.10	М	2,500		9,000	
	7440-62-2	Vanadium	20			72		990		430		750	DD	5,500	DD
	7440-66-6	Zinc (B)	1,000	,	47	2,400		5,000		170	G	170,000	L	630,000	

μg/kg = microgram/kilogram mg/kg = milligram/kilogram
Qualifier definitions in Appendix B. Footnote definitions in Appendix C.
Shaded Criteria indicate an exceedance.
A blank Default Background column means that value has not been determined.

TABLE 4
SOIL BORING SAMPLE DATA SUMMARY

								Groundwater Pro	otec	tion			Со	ntact	
Sample Number	CAS Number	Hazardous Substance (Footnotes)	Sample Concentration	Qualifiers	Statewide Default Background Levels	Residential Drinking Water Protection Criteria	Footnotes	Nonresidential Drinking Water Protection Criteria	Footnotes	Groundwater Surface Water Interface Protection Criteria	Footnotes	Residential Direct Contact Criteria	Footnotes	Nonresidential Direct Contact Criteria	Footnotes
SB-2015-06		VOLATILES	(μg/kg)		(μg/kg)	(μg/kg)		(μg/kg)		(μg/kg)		(μg/kg)		(μg/kg)	
	99-87-6	p-Isopropyl toluene	77			NA		NA NA		· NA		NA.		NA	
		SEMI-VOLATILES	(μg/kg)		(μ g/kg)	(μg/kg)		(μg/kg)		(μg/kg)		(μg/kg)		(μg/kg)	
	56-55-3	Benzo(a)anthracene (Q)	3,200		17.3.3/	NLL		NLL	•	NLL		20,000		80,000	
		Chrysene (Q)	3,600			NLL		NLL		NLL	_	2,000,000		8,000,000	
		Fluoranthene	8,100			730,000		730,000		5,500		46,000,000		130,000,000	
	85-01-8	Phenanthrene	4,100		<u> </u>	56,000	-	160,000		2,100		1,600,000		5,200,000	
	129-00-0	Pyrene	5,300		<u> </u>	480,000		480,000		ID		29,000,000		84,000,000	
		PESTICIDES/PCBS	(μg/kg)		(μ g/kg)	(μg/kg)		(μg/kg)		(μ g/kg)		(μg/kg)		(μg/kg)	
	72-54-8	4-4'-DDD	74	Т	(23.13/	NLL		NLL		NLL NLL		95,000		400,000	
	72-55-9	4-4'-DDE	2,200		├	NLL		NLL		NLL		45,000		190,000	
		2-4'-DDT	280			NA		NA .		NA		NA		NA	
		4-4'-DDT	890		1	NLL		NLL		NLL		57,000		280,000	
		INORGANICS	(mg/kg)		(mg/kg)	(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	
	7440-36-0	Antimony	0.90			4.3		4.3		94	Х	180		670	
	7440-38-2		12	A09	5.8	4.6		4.6		4.6		7.6		37	
		Barium (B)	210		75	1,300		1,300		440	G	37,000		130,000	
	7440-47-3	Chromium [Total] (H)	23		18	30	Ī	30		3.3		2,500		9,200	
	7440-48-4	Cobalt	5.8		6.8	0.8		2.0		2.0		2,600		9,000	
-	7440-50-8	Copper (B)	250	A09	32	5,800	İ	5,800		75	G	20,000		73,000	
	57-12-5	Cyanide (P,R)	0.40		0.39	4.0		4.0		0.10		12		250	
	7439-89-6	iron (B)	18,000	A09	12,000	6.0		6.0		NA		160,000		580,000	Ī
	7439-92-1	Lead (B)	1,900		21	700		700		2,500	G,X	400		900	DD
	7439-96-5	Manganese (B)	300		440	1.0		1.0		56	G,X	25,000		90,000	
	7439-97-6	Mercury [Total] (B,Z)	0.20		0.13	1.7		1.7		0.05	М	160		580	
i	7439-98-7	Molybdenum (B)	1.8	A09		1.5		4.2		64	X	2,600		9,600	
	7440-02-0°	Nickel (B)	17		20	100		100		76	G	40,000		150,000	
•	7440-62-2	Vanadium	18			72		990		430		750	DD ·	5,500	DD
	7440-66-6	Zinc (B)	160	. ,	47	2,400		5,000		170	G	170,000		630,000	

		the street of th				چ پي سنڌي ج		Groundwater Pro	tec	tion	المرابع المساهدة	direct A - 4.8 1 . 4	Co	ntact	
Sample Number	CAS Number	Hazardous Substance (Footnotes)	Sample Concentration	Qualifiers	Statewide Default Background Levels	Residential Drinking Water Protection Criteria	Footnotes	Nonresidential Drinking Water Protection Criteria	Footnotes	Groundwater Surface Water Interface Protection Criteria	Footnotes	Residential Direct Contact Criteria	Footnotes	Nonresidential Direct Contact Criteria	Footnotes
SB-2015-07		VOLATILES	(μg/kg)		(μg/kg)	(μg/kg)		(μg/kg)	•	(μg/kg)		(μg/kg)	•	(μg/kg)	
	,	No volatile organic compounds detected above reporting limits.	() 9 9		(µg/ng)	(prg/rig)		(µgr.vg)		(پیرین پر		() 3 . 3 /	•	(P 99)	
		SEMI-VOLATILES	(μg/kg)		(μg/kg)	(μg/kg)		(μ g/kg)		(μg/kg)		(μg/kg)		(μg/kg)	
		No semi-volatile organic compounds detected above reporting limits.				-									
		PESTICIDES/PCBS	(μg/kg)	,	(μg/kg)	(μg/kg)		(μg/kg)		(μg/kg)		(μg/kg)		(μg/kg)	
	72-54-8	4-4'-DDD	24			NLL		NLL		NLL		95,000		400,000	
	72-55-9	4-4'-DDE	90			NLL		· NLL		NLL		45,000		190,000	
	789-02-6	2-4'-DDT	8.4	T		NA		NA		NA		NA	-	NA	
	50-29-3	4-4'-DDT	56			NLL		NLL		NLL		57,000		280,000	<u> </u>
		INORGANICS	(mg/kg)		(mg/kg)	(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	
	7440-38-2	Arsenic	9.9	A09	5.8	4.6		4.6		4.6		7.6		37 ·	
	7440-39-3	Barium (B)	23		75	1,300	٠.	1,300		440	G	37,000		130,000	<u> </u>
·	7440-48-4	Cobalt	6.3		6.8	0.8		2.0		2.0		2,600		9,000	
	7440-50-8	Copper (B)	14	A09	32	5,800		5,800		75	G	20,000		73,000	
	7439-89-6	Iron (B)	15,000	A09	12,000	6.0		6.0		NA		160,000		580,000	
	7439-92-1	Lead (B)	10		. 21	700		700		2,500	G,X	400		900	DD
		Manganese (B)	230		440	1.0		1.0		56	G,X	25,000		90,000	
	7440-02-0	Nickel (B)	17		20	100		100		76	G	40,000		150,000	
	7440-62-2	Vanadium	19			72		990		430		750	DD	5,500	DD
	7440-66-6	Zinc (B)	40		47	2,400		5,000		170	G	170,000		630,000	

			·					Groundwater Prot	tecti	on			Co	ntact	
Sample Number	CAS Number	Hazardous Substance (Footnotes)	Sample Concentration	Qualifiers	Statewide Default Background Levels	Residential Drinking Water Protection Criteria	Footnotes	Nonresidential Drinking Water Protection Criteria	Footnotes	Groundwater Surface Water Interface Protection Criteria	Footnotes	Residential Direct Contact Criteria	Footnotes	Nonresidential Direct Contact Criteria	Footnotes
SB-2015-08		VOLATILES	(μg/kg)	7 11	(μg/kg)	(μg/kg)		(μg/kg)	寸	(μg/kg)	•	(μg/kg)		(μg/kg)	
•		No volatile organic compounds detected	(P - 9		- (7-3)	(7-3-3)		. (/29/13/	十	(123:113)		(p. g. v. g /		(7-3-3)	\vdash
		above reporting limits.				,				-					
		SEMI-VOLATILES	(μg/kg)		(μ g/kg)	(μg/kg)		(μg/kg)		(μg/kg)		(μg/kg)		(μg/kg)	
		No semi-volatile organic compounds						•	- 1						
		detected above reporting limits.		_			<u> </u>								↓
		PESTICIDES/PCBS	(μ g/kg)		(μg/kg)	(μg/kg)	ļ	(μg/kg)		(μg/kg)		(μg/kg)		(μg/kg)	<u> </u>
*.	72-54-8	4-4'-DDD	5.7	<u>T</u>		NLL	ļ	NLL.	_	NLL -		95,000		400,000	<u> </u>
		4-4'-DDE	5.1	<u> </u>		NLL	<u> </u>	NLL		NLL		45,000		190,000	<u> </u>
	50-29-3	4-4'-DDT	6.3	T _.		NLL		NLL		NLL		57,000		280,000	↓
		INORGANICS	(mg/kg)		(mg/kg)	(mg/kg)	ļ	(mg/kg)	_	(mg/kg)		(mg/kg)		(mg/kg)	—
		Barium (B)	26	A09	75	1,300	1	1,300	_	440	_ <u>G</u> _	37,000	_	130,000	ļ
	7440-50-8	Copper (B)	11	A09 .	32	5,800	-	5,800	-	75	<u>G</u>	20,000		73,000	├
	7439-89-6 7439-92-1	Iron (B)	10,000		12,000	6.0 700	₩	6.0		NA NA		160,000		580,000	DD
		Lead (B) Manganese (B)	22 280		21 . 440	1.0	┡	700 1.0		2,500 56	G,X G,X	400 25,000	-	900	1 77
	7440-02-0	Nickel (B)	12		20	100	₩	1.0	\dashv	76	G,A	40,000	<u> </u>	150,000	╁
		Vanadium	16		20	72	╁──	990	\dashv	430	-	750	DD	5,500	DD
	7440-66-6		39	_	47	2,400	 	5,000	\dashv	170	G	170,000	100	630,000	+55
SB-2015-09	1 170 00 0	VOLATILES	(μ g/kg)	<u>.</u>	(μ g/k g)	(μg/kg)	_	(μg/kg)	+	(μg/kg)		(μg/kg)	-	(μg/kg)	┿
		No volatile organic compounds detected	(µ griig)		(µg/ng)	L(µg/Ng/		(µg/kg)	1	(µg/Ng)	•	(\(\mu g \text{Ng}\)		(μg/ng/	
	-	above reporting limits. SEMI-VOLATILES	(μg/kg) ·		(μ g/kg)	(μg/kg)	┢	(μg/kg)	+	(μg/kg)		(μg/kg)	├──	(μg/kg)	+
		No semi-volatile organic compounds	(µy/ky)		μg/kg/	$(\mu g / \kappa g)$	 	(μg/kg)	+	(μg/kg)		(μg/kg)	 -	$(\mu y \kappa y)$	+-
		detected above reporting limits.					l		- 1						
		PESTICIDES/PCBS	(μg/kg)		(μ g/kg)	(μg/kg)		(μg/kg)	\dashv	(μ g/kg)		(μg/kg)		(μg/kg)	+-
	72-54-8	4-4'-DDD	1,900		(mg/ng)	NLL		NLL NLL	+	NLL NLL		95,000		400,000	\vdash
	72-55-9	4-4'-DDE	1,200			NLL		NLL	十	NLL		45,000		190,000	
		2-4'-DDT	51	T,Y21		NA		NA NA	十	NA		NA NA	 	NA	T
		4-4'-DDT	150	T,Y21		NLL		NLL.		NLL	-	57,000		280,000	
		INORGANICS	(mg/kg)		(mg/kg)	(mg/kg)	Ì	(mg/kg)	7	(mg/kg)	-	(mg/kg)		(mg/kg)	1
	7440-39-3	Barium (B)	13		75	1,300		1,300		440	G	37,000		130,000	
	7439-89-6	Iron (B)	5,700	A09	12,000	6.0		6.0		NA		160,000		580,000	
		Lead (B)	26		21	700		700		2,500	G,X	400		900	DD
		Manganese (B)	140		440	1.0		1.0		56_	G,X	25,000		90,000	
•	7440-66-6	Zinc (B)	24		47	2,400		5,000	$\Box I$	170	G	170,000		630,000	

TABLE 4
SOIL BORING SAMPLE DATA SUMMARY

						Groundwater Protection							Co	ntact	
Sample Number	CAS Number	Hazardous Substance (Footnotes)	Sample Concentration	Qualifiers	Statewide Default Background Levels	Residential Drinking Water Protection Criteria	Footnotes	Nonresidential Drinking Water Protection Criteria	Footnotes	Groundwater Surface Water Interface Protection Criteria	Footnotes	Residential Direct Contact Criteria	Footnotes	Nonresidential Direct Contact Criteria	Footnotes
SB-2015-10		VOLATILES	(μg/kg)		(μg/kg)	(μg/kg)		(μg/kg)		(μg/kg)		(μg/kg)		(μg/kg)	
		No volatile organic compounds detected			(2.33)	17-55/		- (P-33)		(<i>p. g. v.g</i>)		(7-3-3)		(7-33)	
		above reporting limits.								<u> </u>					<u> </u>
		SEMI-VOLATILES	(μg/kg)		(μg/kg)	(μg/kg)		(μg/kg)		(μg/kg)		(μg/kg)		(μg/kg)	
		No semi-volatile organic compounds detected above reporting limits.								,		,			
		PESTICIDES/PCBS	(m/lem)		((├	(m/lem)		(m/len)		((
	57-74-9	Chlordane (J)	(μg/kg)		(μg/kg)	(μg/kg)	 	(μg/kg)		(μg/kg)		(μg/kg)	 	(μg/kg) 150,000	├
	72-54-8	4-4'-DDD	41 660		·	NLL NLL	├	NLL NLL		NLL NLL		31,000 95,000	-	400,000	├
•	72-55-9	4-4'-DDE	1,700			NLL	├	NLL		NLL	-	45,000	 	190,000	\vdash
		2-4'-DDT	2,500		ļ	NA NA	├	NA NA		NA .		45,000 NA	 	190,000 NA	
		4-4'-DDT	1,100			NLL NLL	+	NLL		NLL		57,000	 	280,000	+
	00 23 0	INORGANICS	(mg/kg)		(mg/kg)	(mg/kg)	┼──	(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	\vdash
	7440-36-0	Antimony	0.70	A03	(mg/kg)	4.3		4.3		94	X	180		670	-
		Barium (B)	110	7.00	. 75	1,300	 	1,300		440	- <u>G</u>	37,000		130,000	
		Cadmium (B)	1.4		1.2	6.0	<u> </u>	6.0		3.6	G.X	550	1	2,100	
		Copper (B)	29	A09 ·	32	5,800		5,800		75	G	20,000		73,000	1
		Cyanide (P,R)	1.8		0.39	4.0		4.0		0.10		12		250	1
		Iron (B)	14,000	A09	12,000	6.0		6.0		NA		160,000		580,000	
	7439-92-1	Lead (B)	180		21	700		700		2,500	G,X	400		900	DD
	7439-96-5	Manganese (B)	250	A04	440	1.0		1.0		56	G,X	25,000		90,000	
		Molybdenum (B)	1.3	A04,A09		1.5		4.2		64	Χ	2,600		9,600	
		Nickel (B)	13		20	100		100		76	G	40,000.		150,000	
		Vanadium	18			72		990		430		750	DD	5,500	DD
	7440-66-6	Zinc (B)	340		47	2,400		5,000		170	. G	170,000		630,000	

TABLE 5
TEMPORARY MONITORING WELL SAMPLE DESCRIPTIONS

SAMPLE	4	ATION DINATES	SAMPLE	PHYSICAL	WELL	
NUMBER	Easting	Northing	DESCRIPTION	PARAMETERS	CONSTRUCTION	COMMENTS
TMW-01 (6-7')	737034.64	239246.55	Very turbid	Cond = N/A pH = N/A T = N/A ORP = N/A TDS = N/A	Casing: 1 in. PVC Screen: 1 in. PVC, 1 ft. length, #10 slot	Immediately purged dry; very slow recharge. Allow well to recharge several times to obtain sufficient volume for sample; sampled groundwater for methane only. Corresponding soil boring SB-2015-01.
TMW-01 (10-11')	737034.64	239246.55	Clear	Cond = 2422 pH = 6.97 T = 14.2 ORP = -67 TDS = 1864	Casing: 1 in. PVC Screen: 1 in. PVC, 1 ft. length, #10 slot	Corresponding soil boring SB-2015-01.
TMW-02 (4.5-5.5')	737211.99	239273.86	Clear	Cond = N/A pH = N/A T = N/A ORP = N/A TDS = N/A	Casing: 1 in. PVC Screen: 1 in. PVC, 1 ft. length, #10 slot	See Table 3 for the soil boring log for TMW-02; (No soil boring sample collected.) Purge dry; no recharge; no vapor and no groundwater sample collected.
TMW-02 (13-14')	737211.99	239273.86	Clear	Cond = 2364 pH = 6.95 T = 12.5 ORP = -122 TDS = 1754	Casing: 1 in. PVC Screen: 1 in. PVC, 1 ft. length, #10 slot	See Table 3 for the soil boring log for TMW-02; (No soil boring sample collected.) Duplicate sample collected.

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TABLE 5
TEMPORARY MONITORING WELL SAMPLE DESCRIPTIONS

SAMPLE	P	ATION DINATES	SAMPLE	PHYSICAL	WELL	·
NUMBER	Easting	Northing	DESCRIPTION	PARAMETERS	CONSTRUCTION	COMMENTS
TMW-03 (15-16')	737218.80	239119.62	Slightly silty	Cond = 719 pH = 7.37 T = 12.3 ORP = -94 TDS = 518	Casing: 1 in. PVC Screen: 1 in. PVC, 1 ft. length, #10 slot	MS/MSD collected. Corresponding soil boring SB-2015-03.
TMW-04 (5-6')	737115.28	239147.55	Very silty	Cond = N/A pH = N/A T = N/A ORP = N/A TDS = N/A	Casing: 1 in. PVC Screen: 1 in. PVC, 1 ft. length, #10 slot	Allow well to recharge several times to obtain sufficient volume for sample; sampled for methane only. Corresponding soil boring SB-2015-04.
TMW-04 (6-7')	737115.28	239147.55	Very silty	Cond = N/A pH = N/A T = N/A ORP = N/A TDS = N/A	Casing: 1 in. PVC Screen: 1 in. PVC, 1 ft. length, #10 slot	Purged dry; collected a vapor sample only. Corresponding soil boring SB-2015-04.
TMW-05 (23-24')	737181.83	239069.24	Clear	Cond = 1061 pH = 7.05 T = 17.2 ORP = -43 TDS = 769	Casing: 1 in. PVC Screen: 1 in. PVC, 1 ft. length, #10 slot	Allow well to recharge several times to obtain sufficient volume for sample. Corresponding soil boring SB-2015-10.
TMW-06 (20-21')	737124.84	239050.99	Silty	Cond = 2597 pH = 5.95 T = 11.7 ORP = -26 TDS = 1900	Casing: 1 in. PVC Screen: 1 in. PVC, 1 ft. length, #10 slot	Purged dry, allow to recharge; sampled for methane only. Corresponding soil boring SB-2015-07.

TABLE 5 TEMPORARY MONITORING WELL SAMPLE DESCRIPTIONS

SAMPLE	COORD	ATION DINATES	SAMPLE	PHYSICAL	WELL	
NUMBER	Easting	Northing	DESCRIPTION	PARAMETERS	CONSTRUCTION	COMMENTS
TMW-07 (17-18')	737051.44	239047.39	Very cloudy	Cond = 1494 pH = 6.90 T = 11.9 ORP = -41 TDS = 1076	Casing: 1 in. PVC Screen: 1 in. PVC, 1 ft. length, #10 slot	Purged dry, allow to recharge; sampled for methane only. Corresponding soil boring SB-2015-05.
TMW-08 (19-20')	737070.33	239034.56	Slightly cloudy	Cond = 2052 pH = 6.36 T = 12.4 ORP = 100 TDS = 1512	Casing: 1 in. PVC Screen: 1 in. PVC, 1 ft. length, #10 slot	Purged dry, allow to recharge; sampled for methane only. Corresponding soil boring SB-2015-06.
TMW-09 (12-13')	736935.74	238921.98	Slightly cloudy	Cond = 2044 pH = 6.74 T = 13.7 ORP = -105 TDS = 1500	Casing: 1 in. PVC Screen: 1 in. PVC, 1 ft, length, #10 slot	Purged dry, allow to recharge; sampled for methane only. Corresponding soil boring SB-2015-09.
TMW-10 (6.5-7.5')	736913.10	238963.95	Clear	Cond = 1164 pH = 6.86 T = 15.2 ORP = -128 TDS = 822	Casing: 1 in. PVC Screen: 1 in. PVC, 1 ft. length, #10 slot	Corresponding soil boring SB-2015-08.

Location Coordinates: Michigan GeoRef, NAD 1983, Meters

Cond = Conductivity (µs/cm)
pH = Hydrogen Ionization Potential
T = Temperature (°C)
ORP = Oxidation Reduction Potential (millivolts)
TDS = Total Dissolved Solids (ppm – parts per million)

TEMPORARY MONITORING WELL SAMPLE DATA SUMMARY

Sample Number	CAS Number	Hazardous Substance (Footnotes)	Sample Concentration	Qualifiers	Background Sample Concentration	Qualifiers	Residential Drinking Water Criteria	Footnotes	Nonresidential Drinking Water Criteria	Footnotes	Groundwater Surface Water Interface Criteria	Footnotes
TMW-01		ORGANICS-METHANE	(μg/l)		(μg/l)		(μg/l)		(μg/l)		(μg/l)	
		Methane	21	T			l iD		ĺD		NA NA	
TMW-01		VOLATILES	(μg/l)		(μg/l)		(μg/l)		(μg/l)		(μg/l)	
(10-11')		No volatile organic compounds detected above reporting limits.				-					·	
		SEMI-VOLATILES	(μg/l)		(μ g/l)		(μg/l)		(μ g/ l)		(μg/l)	
		No semi-volatile organic compounds detected above reporting limits.									,	
		PESTICIDES	(μg/l)		(μg/l)		(μg/l)		(μg/l)		(μg/l)	
	1	No pesticides compounds detected above reporting limits.									Y Y	
1		INORGANICS	(µg/l)		(µg/l)		(μg/l)		(μg/l)		(μg/l)	
ł		Barium (B)	210				2,000	Α	2,000	Α	670	G
j	7440-50-8	Copper (B).	33				1,000	E	1,000	E	13-7-7	G
l	7439-89-6	Iron (B)	160				300	E	300	Е	NA	
i		Manganese (B)	160				++-50	E	n 11 (17 (50) (11 (17)	E	2,800	G,X
Ī	7440-02-0		9.7				100	Α	100	Α	73	G
	7440-66-6	Zinc (B)	9.5				2,400		5,000	Ε	170	G
		ORGANICS-METHANE	(µg/l)		(µg/l)		(µg/l)		(μg/l)		(μg/l)	
	74-82-8	Methane	25			L.	ID	ļ	ID		≀ NA	

μg/l = microgram/liter Qualifier definitions in Appendix B. Footnote definitions in Appendix C. Shaded Criteria indicate an exceedance.

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TABLE 6 TEMPORARY MONITORING WELL SAMPLE DATA SUMMARY

Sample Number	CAS Number	Hazardous Substance (Footnotes)	Sample Concentration	Qualifiers	Background Sample Concentration	Qualifiers	Residential Drinking Water Criteria	Footnotes	Nonresidential Drinking Water Criteria	Footnotes	Groundwater Surface Water Interface Criteria	Footnotes
TMW-02		VOLATILES	(μg/l)		(μg/l)		(μg/l)		(μg/l)		(μg/l)	
(13-14')		No volatile organic compounds detected above reporting limits.										
		SEMI-VOLATILES	(μg/l)	·	$(\mu g/l)$		(μg/l)		(μg/l)		(μg/l)	
		No semi-volatile organic compounds detected above reporting limits.							W. W.			
ļ		PESTICIDES/PCBS	(μg/l)		(μg/l)		(μg/l)		(μg/l)		(μg/l)	
		No pesticides/PCBs compounds detected above reporting limits.										
		INORGANICS	(μg/l)		(μg/l)		(μg/l)		(μg/l)		(μg/l)	
	7440-38-2	Arsenic	6.5				10	Α	10	Α	10	
		Barium (B)	320				2,000	Α	2,000	Α	670	G
•		Chromium [Total] (H)	2.6				100	Α	100	Α	11	
		Copper (B)	5.0				1,000	E	1,000	E	13	G
	7439-89-6		7,600				1 300	E	300	Е	NA	
1	7439-92-1		2.3				4.0	L	4.0	L.	16	G,X
		Manganese (B)	200				50 -	E	19 10 × 50 14 77 (1974)	Е	2,800	G,X
	7440-02-0		17				100	Α	100	Α	73	G
		Vanadium	5.7				4.5		62		27	
	7440-66-6		24				2,400		5,000	ш	170	G
		ORGANICS-METHANE	(µg/l)		(μg/l)		(μg/l)		(μg/l)		(μg/l)	
	74-82-8	Methane	27				ID		ID		NA	

 μ g/l = microgram/liter Qualifier definitions in Appendix B. Footnote definitions in Appendix C. Shaded Criteria indicate an exceedance.

TABLE 6 TEMPORARY MONITORING WELL SAMPLE DATA SUMMARY

Sample Number	CAS Number	Hazardous Substance (Footnotes)	Sample Concentration	Qualifiers	Background Sample Concentration	Qualifiers	Residential Drinking Water Criteria	Footnotes	Nonresidential Drinking Water Criteria	Footnotes	Groundwater Surface Water Interface Criteria	Footnotes
TMW-02		VOLATILES	(μg/l)		(μg/l)		(μg/l)		(μg/l)		(μg/l)	
(13-14')		No volatile organic compounds detected										
DUP		above reporting limits.									.1	
		SEMI-VOLATILES	(μg/l)		(μg/l)		(μg/l)		(μg/l)		(μg/l)	
		No semi-volatile organic compounds detected above reporting limits.										
		PESTICIDES/PCBS	(μg/l)		(μg/l)		(μg/l)		(μg/l)		$(\mu g/l)$	1.
	,	No pesticides/PCBs compounds detected above reporting limits.										
		INORGANICS	(μg/l)		(μg/l)		(μg/l)		(μg/l)		(μg/l)	
	7440-38-2	Arsenic	6.1		1. W. /		10	Α	10	Α	10	
	7440-39-3	Barium (B)	310				2,000	Ā	2,000	Α	670	G
	7440-41-7						4.0	Α	4.0	Α	6.7	G
		Chromium [Total] (H)	2.6				100	Α	100	Α	11	
		Copper (B)	3.3				1,000	Ш	1,000	E	. 13	G
	7439-89-6		7,600				300	E	4300 //	E	NA	
	7439-92-1		2.0				4.0	L.	4.0	L	16	G,X
		Manganese (B)	230				50 ;	E	501	Ε	2,800	G,X
	7440-02-0		17				100	A	100	Ā	73	G
	7440-62-2		5.3	<u> </u>			4.5		62		27	
	7440-66-6		17				2,400		5,000	Е	170	G
		ORGANICS-METHANE	(μg/l)	<u> </u>	(μg/l)		(μg/l)		(μg/l)		(μg/l)	
<u> </u>	74-82-8	Methane	15				ID		ID		NA	

μg/l = microgram/liter Qualifier definitions in Appendix B. Footnote definitions in Appendix C. Shaded Criteria indicate an exceedance.

TABLE 6 TEMPORARY MONITORING WELL SAMPLE DATA SUMMARY

Sample Number	CAS Number	Hazardous Substance (Footnotes)	Sample Concentration	Qualifiers	Background Sample Concentration	Qualifiers	Residential Drinking Water Criteria	Footnotes	Nonresidential Drinking Water Criteria	Footnotes	Groundwater Surface Water Interface Criteria	Footnotes
TMW-03		VOLATILES	(μg/l)		(μg/l)		(μg/l)		(μg/l)		(μg/l)	
(15-16')		No volatile organic compounds detected above reporting limits.										
	· ·	SEMI-VOLATILES	$(\mu g/l)$		$(\mu g/l)$		(μg/l)		(μg/l)		(μg/l)	
		No semi-volatile organic compounds detected above reporting limits.										
		PESTICIDES	$(\mu g/l)$		$(\mu g/l)$		(μg/l)		(μg/l)		(μg/l)	
		No pesticides compounds detected above reporting limits.	,								, , , , , , , , , , , , , , , , , , ,	
1		INORGANICS	(μg/l)		$(\mu g/l)$		(μg/l)		(μg/l)		(μg/l)	
1	7440-38-2	Arsenic	14				10 -	A	H 3 / 58 / 10	Α	22.7 (0.5)	
	7440-39-3	Barium (B)	180				2,000	Α	2,000	Α	670	G
	7440-47-3	Chromium [Total] (H)	2.4				100	Α	100	Α	11	
	7440-50-8	Copper (B)	14	A0			1,000	E	1,000	E	13	G
1	7439-89-6		6,200				300	E	600	Ε	NA	
	7439-92-1	l	2.6	X3			4.0	L	4.0	L	16	G,X
		Manganese (B)	170				50///	E	50	Ε	2,800	G,X
	7440-02-0		8.5				100	Α	100	Α	73	G
	7440-62-2		5.8				4.5		62		27	
	7440-66-6		18				2,400		5,000	E	170	G
		ORGANICS-METHANE	(μg/l)		(µg/l)		(μg/l)		(μg/l)		(μg/l)	
		Methane	16				ID		ID		NA	
TMW-04		ORGANICS-METHANE	(μg/l)		(μg/l)		(μg/l)		(μg/l)		(μg/l)	
(5-6')	74-82-8	Methane	100				ID		ID		NA	

 μ g/I = microgram/liter Qualifier definitions in Appendix B. Footnote definitions in Appendix C. Shaded Criteria indicate an exceedance.

TABLE 6 TEMPORARY MONITORING WELL SAMPLE DATA SUMMARY

Sample Number	CAS Number	Hazardous Substance (Footnotes)	Sample Concentration	Qualifiers	Background Sample Concentration	Qualifiers	Residential Drinking Water Criteria	Footnotes	Nonresidential Drinking Water Criteria	Footnotes	Groundwater Surface Water Interface Criteria	Footnotes
TMW-05		VOLATILES	(μg/l)		(μg/l)		(μg/l)		(μg/l)		(μg/l)	
(23-24')		No volatile organic compounds detected above reporting limits.										
		SEMI-VOLATILES	(μg/l)		(μg/l)		(μg/l)		(μg/l)		(μg/l)	
		No semi-volatile organic compounds detected above reporting limits.							- V.M.		V-V-1	
		PESTICIDES	(μg/l)		(μg/l)		(μg/l)		$(\mu g/l)$		$(\mu g/l)$	
	789-02-6	2-4'-DDT	0.006	Τ	_		NA		NA		ŇA	
		4-4'-DDD	0.038				9.1		37		NA	
		4-4'-DDE	0.008	T			4.3		15		. NA	
	50-29-3	4-4'-DDT	0.039				3.6		10		0.02	М
		INORGANICS	(μg/l)		(μg/l)		(μg/l)		(μg/l)		(μg/l)	
	7440-38-2		5.2				10	Α	10	Α	10	
		Barium (B)	93				2,000	Α	2,000	Α	670	G
		Chromium [Total] (H)	6.7				100	Α	· 100	Α	11	
		Copper (B)	14				1,000	E	1,000	E	13.	G
	7439-89-6		9,900				300	Е	300	Е	NA	
	7439-92-1		5.7				4.0	L	4.0	L	16	G,X
		Manganese (B)	290	Ш			- 50	Е	7 · · · · · · · · · · · · · · · · · · ·	Ε	2,800	G,X
		Molybdenum (B)	10				73		210		3,200	X
·	7440-02-0		13				100	Α	100	A	73	G
	7440-62-2		11	L			4:5		62		27	
	7440-66-6		31			$oxed{oxed}$	2,400	ι	5,000	Е	170	G
		ORGANICS-METHANE	(μg/l)		(μg/l)	igsquare	(µg/l)		(μg/l)		(μg/l)	
	74-82-8	Methane	24			L	ID		i D		NA	

μg/I = microgram/liter
Qualifier definitions in Appendix B. Footnote definitions in Appendix C.
Shaded Criteria indicate an exceedance.

TABLE 6 TEMPORARY MONITORING WELL SAMPLE DATA SUMMARY

Sample Number	CAS Number	Hazardous Substance (Footnotes)	Sample Concentration	Qualifiers	Background Sample Concentration	Qualifiers	Residential Drinking Water Criteria	Footnotes	Nonresidential Drinking Water Criteria	Footnotes	Groundwater Surface Water Interface Criteria	Footnotes
TMW-06		ORGANICS-METHANE	_(μg/l)	i	(µg/l)		(μg/l)		(μg/l)		(μg/l)	
(20-21')	74-82-8	Methane	.18				ID		ID		NA	
TMW-07		ORGANICS-METHANE	(μg/l)		(μg/l)		(μg/l)		(μg/l)		(μg/l)	
	74-82-8	Methane	19				. ID		ID		NA	
80-WMT		ORGANICS-METHANE	$(\mu g/l)$		(μg/l)		(μg/l)		(μg/l)		(μg/l)	
(19-20')		No organics/methane compounds detected above reporting limits.										
TMW-09	_	ORGANICS-METHANE	$(\mu g/l)$		$(\mu g/l)$		(μg/l)		(μg/l)		(.µg/l)	
(12-13')	74-82-8	Methane	6,200				_iD		ID		NA NA	
TMW-10		VOLATILES	(μg/l)		(μg/l)		(μg/l)		(μg/l)		(μg/l)	
(6.5-7.5')		No volatile organic compounds detected above reporting limits.	,							,		
		SEMI-VOLATILES	(μg/l)		(μg/l)		(μg/l)		(μg/l)		(μg/l)	
		No semi-volatile organic compounds detected above reporting limits.							Y Y /		· · · · · ·	
		PESTICIDES/PCBS	$(\mu g/l)$		(μg/l)	İ	(μg/l)		(μg/l)		(μg/l)	
		No pesticides/PCBs compounds detected above reporting limits.			17.3.7		9.7		\ <i>F</i> - 3/			
		INORGANICS	$(\mu g/l)$		(μg/l)		· (μg/l)		(μg/l)		(μg/l)	
	7440-38-2	Arsenic	11				10	Α	10-3	À	//0	
	7440-39-3	Barium (B)	82				2,000	Α	2,000	A	670	G
	7439-89-6		11,000				300	E	1 1 1 2 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1	E	NA	
		Manganese (B)	440				50	E	50 de la	E	2,800	G,X
	7440-02-0		7.3				100	Α	100	Α	73	Ġ
		ORGANICS-METHANE	$(\mu g/l)$		(μg/l)		(μg/l)		(μg/l)		(μg/l)	
	74-82-8	Methane	8,300				ID		ID		NA	

 μ g/l = microgram/liter Qualifier definitions in Appendix B. Footnote definitions in Appendix C. Shaded Criteria indicate an exceedance. Tree Farm

Sept. 2 and Oct. 1, 2015

TABLE 7

SOIL GAS SAMPLE DESCRIPTIONS AND DATA SUMMARY

				Data	collec	ted during soil gas sampling	
,	L	/I, per		GEM,		·	Methane
SAMPLE NUMBER	02	CO2	CH4	H2S	CÒ	Field Notes	(Air/Vapor - Laboratory Results)
SGP-01 (3-4')	21.5	0.4	0	0	0		Non Detect (ND)
SGP-02 (2.5-3.5 ¹)	20.3	1.1	0	0	0		150 parts per million by volume (ppmv)
SGP-03 (4.5-5.5')	2.6	16.6	0.1	0	Ö		ND
SGP-04 (3-4')	18.9	2.5	0.1	0	0	-	ND
SGP-05 (5-6')	16.0	4.6	0.1	0	0		ND
SGP-06 (6-7')	19.3	1.7	0.1	0	1		ND
SGP-07 (4-5')	19.5	3.6	0	0	0		ND
SGP-08 (9-10')	9.0	12.8	0.1	0	_2		ND
SGP-09 (3.5-4.5')	18.4	2.8	0	0	0	2	35,000 ppmv
SGP-10 (2.5-3.5')	0.0	7.3	31.1	0	0		210,000 ppmv
TMW-01 (6-7')	21.1	0.3	0	6	57	·	No Vapor Sample Collected
TMW-01 (10-11')	21.7	0.	0	0	0		18 ppmv
TMW-02 (4.5-5.5')						Pump failure on GEM, no readings.	No Vapor Sample Collected
TMW-02 (13-14')	20.9	1.3	0	0	0		ND ND
TMW-03 (15-16')	2.8	15.9	0.1	_ 0	0		, 70 ppmv
TMW-04 (5-6')			٠٠			No GEM reading due to water.	ND
TMW-04 (6-7')	18.9	2.6	0	0	0		No Vapor Sample Collected
TMW-05 (23-24')	16.8	1.9	0.1	9	984		· ND
TMW-06 (20-21')	17.4	1.8	0.1	2	181		, ND
TMW-07 (17-18')	19.6	2.8	0	0	0		ND
TMW-08 (19-20')	9.7	9.3	0.1	0	9		ND
TMW-09 (12-13')	1.1	12.5	19.5	0	1		7,800 ppmv
TMW-10 (6.5-7.5')	0.5	8.7	29.1	0	0		No Vapor Sample Collected

Notes:

Samples were collected Sept.-Oct., 2015.

Sample depth is indicated by the sample name. For example, sample SGP-01 (3-4') was collected at a depth of 3 to 4 feet. O2 is oxygen, CO2 is carbon dioxide, CH4 is methane, H2S is hydrogen sulfide, CO is carbon monoxide

TABLE 8 SURFACE WATER SAMPLE DESCRIPTIONS

SAMPLE		ATION DINATES	SAMPLE	DEPTH OF WATER AT SAMPLE	PHYSICAL	
NUMBER	Easting	Northing	DESCRIPTION	LOCATION	PARAMETERS	COMMENTS
SW-2015-01	737103.66	238987.62	Clear	0 inches, because surface water sample was collected at discharge pipe that flows into the Honeywell Ditch.	Cond = 1405 pH = 6.99 T = 13.2 TDS = 1013	Water flowing, filled 250 mL plastic bottle and then used that to fill all sample bottles except the 40 mL vials, which were filled directly from the flowing water. Corresponding sediment sample SD-2015-01. MS/MSD collected.
SW-2015-02	736980.69	238897.50	Clear with floating fine litter, leaf litter.	2 inches	Cond = 1388 pH = 6.74 T = 16.4 TDS = 1001	Corresponding sediment sample SD-2015-02. Duplicate collected.

Location Coordinates: Michigan GeoRef, NAD 1983, Meters

Cond = Conductivity (μs/cm) pH = Hydrogen Ionization Potential

T = Temperature (°C)

TDS = Total Dissolved Solids (ppm – parts per million)

TABLE 9 SURFACE WATER SAMPLE DATA SUMMARY

Sample Number	CAS Number	Hazardous Substance (Footnotes)	Sample Concentration	Qualifiers	Background Sample Concentration	Qualifiers	Residential Drinking Water Criteria	Footnotes	Nonresidential Drinking Water Criteria	Footnotes	Groundwater Surface Water Interface Criteria	Footnotes
SW-2015-01	·	VOLATILES	$(\mu g/l)$		$(\mu g/l)$		(μg/l)		(µg/l)		_(μ g/l)	
		No volatile organic compounds detected							1,7-1,7-1			
	,	above reporting limits.					.					
		SEMI-VOLATILES	(μg/l)		(μg/l)		$(\mu g/I)$		(μg/l)		(μg/l)	
	_	No semi-volatile organic compounds	12222	1	-1-2-7-7		1					
		detected above reporting limits.					. .		•		}	
		PESTICIDES	(μg/l)		(µg/l)		(μg/l)		(μg/l)		(μg/l)	
		No pesticides compounds detected			1 2 2 2 2							
		above reporting limits.					`					
,		INORGANICS	(μg/l)		(μg/l)		(μg/l)		(μq/l)		. (μg/l)	
		Barium (B)	120				2,000	Α	2,000	Ā	670	G
		Copper (B)	2.6				1,000	Е	1,000	E	. 13	G
		Iron (B)	1,100				300	Е	300	E	· NA	
	7439-96-5	Manganese (B)	170				50	Е	50	`E .	2,800	G,X
·		Nickel (B)	_ 10	Τ			100	Α	100	Α	73	G
		Selenium (B)	1.0				50	Α	50	Α	5.0	
	7440-66-6	Zinc (B)	12				2,400		5,000	Ē,	170	G
SW-2015-02	, , , , , , , , , , , , , , , , , , ,	VOLATILES	(μg/l)		(μg/l)		(μg/l)		(μg/l)		(μg/l)	
		No volatile organic compounds detected										
		above reporting limits.										
~		SEMI-VOLATILES	(μg/l)		(μg/l)		(μg/l)		(μg/l)		(μg/l)	
		No semi-volatile organic compounds										
		detected above reporting limits.			·				`			
		PESTICIDES	(μg/l)		(μg/l)		(μg/l)		(μg/l)		(μg/l)	
	· · · · · ·	No pesticides compounds detected	1.7/		· · · · · ·		1 1/2 5/2/					
		above reporting limits.	-	1	i		1		:			
		INORGANICS	(μg/l)	+-	(μg/l)		(μg/l)		(μg/l)		(μg/l)	—
		Barium (B)	46	+	Lagin		2,000	Α	2,000	Α	670	G
	7440-50-8		4.3	+	 		1,000	E	1,000	E	13	Ġ
	7439-89-6		350	+		·	300	Ē	300	E	NA	
	7439-96-5	Manganese (B)	410	1			50	E	50	E	2,800	G,X
	7440-02-0		4.6				100	Α	100	Α	73	G
SW-2015-02	;	VOLATILES	(μg/l)		(μg/l)	•	(μg/l)		(μg/l)		(μg/l)	
ĎUР		No volatile organic compounds detected				_	1 111-31		1 7,07.			
		above reporting limits.		1								
	· ·	SEMI-VOLATILES	(μg/l)	1	(µg/l)		(μg/l)		(μg/l)		(μg/l)	
		No semi-volatile organic compounds	(12 911)	+	12911		(<u>A</u> g//		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		- V= 3···/	
,		detected above reporting limits.				-						
		PESTICIDES	(μg/l)	+	(μg/l)		(μg/l)		(μg/l)	 	(μg/l)	1
·		No pesticides compounds detected	(μ. 9/1)	+	1 H G/1)		(μ g/r)		\#\g''/		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	-
		above reporting limits.			∥						1	
		INORGANICS	(,, \)	+-	(""		(μg/l)		(μg/l)		(μg/l)	1
		Barium (B)	(μg/l) 43	+	(μg/l)		2,000	Λ.	2,000	Λ	(μg/i) 670	G
	7440-39-3 7440-50 - 8		6.3	+	╟╼╾─┤		1,000	<u>A</u>	1,000	E	13	G
	7439-89-6		320	+-	╟╼╌╌┤		300	E	300	E	NA NA	
		Manganese (B)	320	+	╟──┤		500	ᄩ	50.	E	2,800	G,X
		Nickel (B)	4.4		<u> </u>		100		100	Ā	73	G,A

μg/kg = microgram/kilogram
Qualifier definitions in Appendix B. Footnote definitions in Appendix C.
Shaded Criteria indicate an exceedance.
A blank Default Background column means that value has not been determined.

TABLE 10
SEDIMENT SAMPLE DESCRIPTIONS

SAMPLE	l ·	ATION DINATES	DEPTH OF WATER AT SAMPLE	DEPTH OF		
NUMBER	Easting	Northing	LOCATION	SAMPLE	DESCRIPTION	COMMENTS
SD-2015-01	737103.66	238987.62	1 in.	0-3 in.	0-3 in Wet, gray, silty clay with some fine sand and some gravel.	Collected sample with stainless steel trowel below discharge pipe.
						MS/MSD collected.
				~		Corresponding surface water sample SW-2015-01.
SD-2015-02	736980.69	238897.50	2 in.	0-4 in.	0-1 in Wet, black-brown muck with fine sand, decomposing plant matter, leaves, twigs and fine sand.	Collected sample with stainless steel sediment corer.
					1-4 in Wet, gray, sandy silt.	Duplicate collected.
	<i>,</i>					Corresponding surface water sample SW-2015-02.

Location Coordinates: Michigan GeoRef, NAD 1983, Meters

1

TABLE 11
SEDIMENT SAMPLE DATA SUMMARY

<u></u>		· · · · · · · · · · · · · · · · · · ·		PART 201 SEDIMENT SCREENING LEVELS												
Sample Number		Hazardous Substance (Footnotes)	Sample Concentration	Qualifiers	USEPA Region 5 RCRA Ecological Sceening Levels		Threshold Effect Level (Smith et. al. 1996)	Lowest Effect Level (Persud et. al. 1993)	Minimal Effect Level (EC & MENVIQ 1992)	Effects Range Low (Long & Morgan 1991)	Concensus- Based Threshold Effect Concentration (McDonald et. al. 2000)	Probable Effect Level (Smith et. al. (1996)	Toxic Effect Threshold (EC & MENVIQ 1992)	Effects Rang Median (Long & Morgan 1991)		
SD-2015-01		VOLATILES	(μg/kg)		(μ g/kg)		(μ g/kg)	(μg/kg)	,	(μg/kg)	(μg/kg)	(μg/kg)	_(μ g/kg)	(μ g/kg)		
		No volatile organic compounds				1	~	1								
		detected above reporting limits.								l		•		1		
		SEMI-VOLATILES	(μg/kg)		(μg/kg)		(μg/kg)	(μg/kg)	(μg/kg)	(μg/kg)	(μg/kg)	(μg/kg)	_(μg/kg)	(μg/kg)		
		No semi-volatile organic compounds detected above reporting limits.								·				ŧ		
		PESTICIDES/PCBS	(μg/kg)		(μg/kg)		(μg/kg)	(μg/kg)	(μg/kg)	(μg/kg)	(μ g/kg)	(μg/kg)	(μg/kg)	(μg/kg)		
		No pesticides/PCBs compounds	, , , , , , , , , , , , , , , , , , ,		V-3''.3/	†		V-3".3/	V- 3".3/	\ \\(\frac{1}{2}\cdot\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	\\~\3''\3\	· V= 3'''3'	· V= 3: • 3/	<u> </u>		
		detected above reporting limits.				1			,							
		INORGANICS	(mg/kg)		(mg/kg)		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)		
	7440-38-2	Arsenic	6.0	A09	9.79	u		6.0	7.0	33	9.79	17	17	85		
	7440-39-3	Barium (B)	19		NG		NG	NG	NG	NG	NG	NG	NG	NG		
	7440-48-4	Cobalt	5.8		50	1	NG	NG	NG	NG	NĞ	NG	NG	NG		
		Copper (B)	12	A09	31.6	u	35.7	16	28	. 70	31.6	197	86	390		
	7439-89-6		3,500	A09, X3	NG		NG	NG	NG	NG	NG	NG	NG	NG		
	7439-92-1		6.1		35.8	и	35	31	42	35	35.8	91.3	170	110		
		Manganese (B)	470		NG		NG.	NG	NG	NG	NG	NG	NG	NG		
		Molybdenum (B)	1.1	A09	NG	<u> </u>	NG	NG	NG	NG	NG	NG	NG	NG		
	7440-02-0		16		22.7	u	18	16	35	30	22.7	36	61	50		
	7440-62-2 7440-66-6		20		NG	+	NG	NG	NG	NG	NG	NG	NG 540	NG		
SD-2015-02		VOLATILES	38 (μg/kg)		121 (μg/kg)	u	123 (μ g/kg)	120 (μ g/kg)	150 (μ g/kg)	120 (μg/kg)	121 (μg/kg)	315 (μg/kg)	540 (μ g/kg)	270 (μg/kg)		
		No volatile organic compounds detected above reporting limits.										_	1			
		SEMI-VOLATILES	(μg/kg)		(μg/kg)	1	(μg/kg)	(μg/kg)	(μg/kg)	(μ g/kg)	(μg/kg)	(μg/kg)	(μg/kg)	(μg/kg)		
		No semi-volatile organic compounds detected above reporting limits.	() · J · · · J · · · · · · · · · · · · ·				(- g. · g/	(<i>p.g.</i> g/	(Grandy	(M. g. v.g)	\rac{1}{2} \cdot \frac{1}{2} \	<u>,(A-33)</u>	(V- g- vg)		
		PESTICIDES/PCBS	(μg/kg)		(μg/kg)		(μg/kg)	(μg/kg)	(μg/kg)	(μg/kg)	(μ g/kg)	(μg/kg)	(μg/kg)	(μg/kg)		
		4-4'-DDD	24	Т	4.88	uz	3.54	8.0	10		4.88		60	20		
		4-4'-DDE	27	Т	3.16	u		5.0	7.0	2.0	3.16	6.75	50	15		
	50-29-3	4-4'-DDT	52	T, Y21	4.16	u	NG	8.0	9.0	1.0	4.16	NG	50	7.0		
		INORGANICS	(mg/kg)		(mg/kg)		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)		
	7440-38-2		5.4	A09	9.79	u	5.9	6.0	7.0	33	9.79	17	· 17	85		
		Barium (B)	43		NG		NG .	NG	NG	NG	NG	NG	NG	NG		
		Copper (B)	10	A09	31.6	u	35.7	16	28	70	31.6	197	86	390		
	7439-89-6		14,000	A09	NG .	-	NG	NG	NG	NG	NG	NG	NG	NG		
	7439-92-1		11		35.8	u		31	42	35	35.8	91.3	170	110		
		Manganese (B)	1,300		NG		NG	NG	NG	NG	NG	NG	NG	NG		
	7440-02-0		14		22.7	u		16	35	30	22.7	36	61	50		
	7440-62-2		16		NG	$oldsymbol{ol}}}}}}}}}}}}}}}}}$	NG	NG	NG	NG	NG	NG	NG	NG		
	7440-66-6	∠inc (B)	43		121	l u	123	120.	150	120	121	315	540	270		

TABLE 11
SEDIMENT SAMPLE DATA SUMMARY

			PART 201 SEDIMENT SCREENING LEVELS												
Sample Number		Hazardous Substance (Footnotes)	Sample Concentration	Qualifiers	USEPA Region 5 RCRA Ecological Sceening Levels	Footnotes	Threshold Effect Level (Smith et. al. 1996)		Minimal Effect Level (EC & MENVIQ 1992)	Effects Range Low (Long & Morgan 1991)	Concensus- Based Threshold Effect Concentration (McDonald et. al. 2000)	Probable Effect Level (Smith et. al. (1996)	Toxic Effect Threshold (EC & MENVIQ 1992)	Effects Range Median (Long & Morgan 1991)	
SD-2015-02		VOLATILES	(μg/kg)		(μg/kg)		(μ g/kg)	(μ g/kg)	(μ g/kg)	(μ g/kg)	(μ g/kg)	(μ g/kg)	(μ g/kg)	(μ g/kg)	
DUP		No volatile organic compounds detected above reporting limits.								-					
		SEMI-VOLATILES	(μg/kg)		(μg/kg)		(μg/kg)	(μg/kg)	(μg/kg)	(μg/kg)	(μg/kg)	(μg/kg)	(μ g/kg)	(μ g/kg)	
		No semi-volatile organic compounds detected above reporting limits.		-										-	
		PESTICIDES/PCBS	(<u>ú</u> g/kg)	_	(μ g/kg)	1	(μg/kg)	(μg/kg)	(μg/kg)	(μg/kg)	(μg/kg)	(μ g/kg)	(μg/kg)	(μ g/kg)	
-	72-54-8	4-4'-DDD	26	T	4.88	UZ		8.0	10	2.0	4.88	8.51	60	. 20	
	72-55-9	4-4'-DDE	29 .	T	3.16	u	1.42	5.0	7.0	2.0	3.16	6.75	50	15	
	50-29-3	4-4'-DDT	50	T, Y21	4.16	u	NG	8.0	9.0	1.0	.4.16	NG	50	7.0	
		INORGANICS	(mg/kg)	· ·	· (mg/kg)		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
	7440-38-2		5.6	A09	9.79	u	5.9	6.0	7.0	33	9.79	17	17	85	
		Barium (B)	50		NG		NG	NG NG	NG	NG	NG	· NG	NG	NG	
		Cadmium (B)	0.30		0.99	u	0.596	0.6	0.9	5.0	0.99	3.53	3.0	9.0	
	7440-48-4		5.6		50	<u> </u>	NG	NG	NG	NG	NG	NG	NG	NG	
	<u>7440-50-8</u>	Copper (B)	10	A09	31.6	u	35.7	. 16	28	70	31.6	197	86	390~	
	7439-89-6	Iron (B)	17,000	A09	NG	↓	NG	NG	NG	NG	NG	NG	NG	NG	
	7439-92-1		13		35.8	<u>u</u>	35	31	- 42 NO	35	35.8	91.3	170	110	
		Manganese (B)	1,700	-	NG 20.7	+	NG 10	NG 46	NG 25	NG	NG	NG 20	NG_	NG 50	
	7440-02-0 7440-62-2	Vanadium	16 17		22.7 NG	u	18 NG	16 NC	35	30 NC	22.7	36	61 NG	50 NG	
	7440-62-2		48		121	u	123	NG 120	NG 150	NG 120	NG 121	NG 315	540	270	

μg/kg = microgram/kilogram mg/kg = milligram/kilogram
Qualifier definitions in Appendix B. Footnote definitions in Appendix C.
Shaded Criteria indicate an exceedance.
A blank Default Background column means that value has not been determined.

APPENDIX A BFRA PROPERTY PHOTOGRAPHS

PROPERTY NAME: Tree Farm U.S. EPA ID #: MIB000000196

PAGE: 1 OF: 6

DATE: 6-2-15

DIRECTION OF PHOTOGRAPH: S

PHOTOGRAPH BY: TAD



DESCRIPTION: View of entrance gate of the Tree Farm property from Avon Road.

DATE: 6-2-15

DIRECTION OF PHOTOGRAPH: S

PHOTOGRAPH BY: TAD



DESCRIPTION: View of driveway from entrance gate of the Tree Farm property along Avon Road.

PROPERTY NAME: Tree Farm U.S. EPA ID #: MIB000000196

PAGE: 2 OF: 6

DATE: 6-2-15

DIRECTION OF PHOTOGRAPH:
_W

PHOTOGRAPH BY: TAD



DESCRIPTION: View of powerline along the north side of the property, near the entrance of the Tree Farm property.

DATE: 6-2-15

DIRECTION OF PHOTOGRAPH: E

PHOTOGRAPH BY: TAD



DESCRIPTION: View of 55-gallon, open, metal drum by the entrance gate of the Tree Farm property.

PROPERTY NAME: Tree Farm U.S. EPA ID #: MIB000000196

PAGE: 3 OF: 6

DATE: 6-2-15

DIRECTION OF PHOTOGRAPH:

PHOTOGRAPH BY: TAD



DESCRIPTION: Fill area near the southwest corner of the Tree Farm property.

DATE: 8-26-15

DIRECTION OF PHOTOGRAPH:
_W

PHOTOGRAPH BY: TAD



DESCRIPTION: Surface runoff near fill areas on the south side of Tree Farm property.

PROPERTY NAME: Tree Farm U.S. EPA ID #: MIB000000196

PAGE: 4 OF: 6

DATE: 8-26-15

DIRECTION OF PHOTOGRAPH:

Ν

PHOTOGRAPH BY: TAD



DESCRIPTION: Discharge pipe along the Honeywell Ditch on south side of the Tree Farm property.

DATE: 8-26-15

DIRECTION OF PHOTOGRAPH:

N

PHOTOGRAPH BY: TAD



DESCRIPTION: Close-up of discharge pipe along the Honeywell Ditch on south side of the Tree Farm property.

PROPERTY NAME: Tree Farm U.S. EPA ID #: MIB000000196

PAGE: 5 OF: 6

DATE: 8-25-15

DIRECTION OF PHOTOGRAPH: NW_

PHOTOGRAPH BY: AD



DESCRIPTION: Surface debris near surficial soil sample location on the Tree Farm property.

DATE: 8-25-15

DIRECTION OF PHOTOGRAPH:
S to ground

PHOTOGRAPH BY: JS



DESCRIPTION: Surface debris and protruding buried metal near surficial soil sample location on the Tree Farm property.

PROPERTY NAME: Tree Farm U.S. EPA ID #: MIB000000196

PAGE: 6 OF: 6

DATE: 8-26-15

DIRECTION OF PHOTOGRAPH:
N to ground

PHOTOGRAPH BY: TAD



DESCRIPTION: Barren soil and dark bark at base of tree, near surficial soil sample location on the Tree Farm property.

DATE: 8-26-15

DIRECTION OF PHOTOGRAPH: SE

PHOTOGRAPH BY: TAD



DESCRIPTION: Barren soil, dark bark and roots at base of tree, and surface debris on the Tree Farm property.

APPENDIX B CHEMICAL ANALYSIS OF BFRA SAMPLES



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

18 September 2015

Work Order: 1508223

Price: \$12,917.50

Teresa Ducsay MDEQ-RRD-LANSING 525 W. Allegan Street Lansing, MI 48909

RE: TREE FARM

I certify that the analyses performed by the MDEQ Environmental Laboratory were conducted by methods approved by the U.S. Environmental Protection Agency and other appropriate regulatory agencies .

Sincerely,

George Krisztian Laboratory Director



MDEQ-RRD-LANSING

525 W. Allegan Street

Lansing MI, 48909

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY ENVIRONMENTAL LABORATORY

P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9800

VIRONMENTAL QUALITY

Project: TREE FARM

Site Code: MIB000000196

Project Manager: Teresa Ducsay

Reported: 09/18/2015

Analytical Report for Samples

Sample ID	Laboratory ID	Matrix ·	Date Sampled	Date Received	Qualifier
SS-2015-01	1508223-01	Soil/Sediment	08/25/2015	08/27/2015	
SS-2015-02	1508223-02	Soil/Sediment	08/25/2015	08/27/2015	
SS-2015-02-DUP	1508223-03	Soil/Sediment	08/25/2015	08/27/2015	
SS-2015-03	1508223-04	Soil/Sediment	08/25/2015	08/27/2015	
SS-2015-03-MS	1508223-05	Soil/Sediment	08/25/2015	08/27/2015	
SS-2015-03-MSD	1508223-06	Soil/Sediment	08/25/2015	08/27/2015	•
SS-2015-04	1508223-07	Soil/Sediment	08/25/2015	08/27/2015	
SS-2015-05	1508223-08	Soil/Sediment	08/25/2015	08/27/2015	
SS-2015-06	1508223-09	Soil/Sediment	08/25/2015	08/27/2015	
SS-2015-07	1508223-10	Soil/Sediment	08/25/2015	08/27/2015	
SS-2015-08	1508223-11	Soil/Sediment	08/25/2015	08/27/2015	
SS-2015-09	1508223-12	Soil/Sediment	08/25/2015	08/27/2015	
SS-2015-10	1508223-13	Soil/Sediment	08/25/2015	08/27/2015	
SS-2015-11	1508223-14	Soil/Sediment	08/26/2015	08/27/2015	,
TRIP BLANK	1508223-15	Soil/Sediment	07/24/2015	08/27/2015	



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

Notes and Definitions

Y25	Sample extract would not concentrate to the normal volume causing raised reporting limits.
Y21.	Reporting Limits (RL) raised due to matrix interference.
Y20	Reporting Limits (RL) raised due to matrix.
Y09	Sample was received and extracted/analyzed past USEPA maximum allowable holding time. Data is estimated.
X3	Spike recovery is not applicable due to large target analyte concentration in the source sample.
X	Methods 8260 & 624 are used to analyze volatile organics that have boiling points below 200 °C. 2-Methylnaphthalene & naphthalene have boiling points above 200 °C and are better suited to analysis by methods 8270 & 625 as semivolatile organics.
V	Value not available due to dilution.
T	Reported value is less than the reporting limit (RL). Result is estimated.
)D	Due to severe degradation, specific Aroclor identification is difficult and quantitation is estimated.
A11	Result is estimated due to high initial verification standard criteria failure.
A09	Result is estimated due to high recovery of batch quality control.
A07	Result(s) and reporting limit(s) are estimated due to poor precision.
A06	Result is estimated due to high continuing calibration standard criteria failure.
A04	Result is estimated due to high matrix spike recovery.
A03	Result(s) and reporting limit(s) are estimated due to low matrix spike recovery.
ND	Indicates compound analyzed for but not detected
RL	Reporting Limit
NA	Not Applicable
dry	Sample results reported on a dry weight basis



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

CAS # Analyte Result RL Units Dilution Analyzed Date QC Batch Method Organics-Volatiles 630-20-6 1,1,1,2-Tetrachloroethane ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 71-55-6 1,1,1-Trichloroethane ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 79-34-5 1,1,2,2-Tetrachloroethane ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 79-00-5 1,1,2-Trichloroethane ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 75-34-3 1,1-Dichloroethane ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 87-61-6 1,2,3-Trichlorobenzene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 96-18-4 1,2,3-Trichloroptopane ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 120-82-1 <td< th=""><th>Qualifier</th></td<>	Qualifier
Organics-Volatiles ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 71-55-6 1,1,1-Trichloroethane ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 79-34-5 1,1,2,2-Tetrachloroethane ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 79-00-5 1,1,2-Trichloroethane ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 75-34-3 1,1-Dichloroethane ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 75-35-4 1,1-Dichloroethylene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 87-61-6 1,2,3-Trichlorobenzene ND 300 ug/kg dry 50 08/27/15 B5H2705 8260 96-18-4 1,2,3-Trichloropropane ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 120-82-1 1,2,4-Trichlorobenzene ND 60 <t< th=""><th></th></t<>	
630-20-6 1,1,1,2-Tetrachloroethane ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 71-55-6 1,1,1-Trichloroethane ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 79-34-5 1,1,2,2-Tetrachloroethane ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 79-00-5 1,1,2-Trichloroethane ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 75-34-3 1,1-Dichloroethane ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 75-35-4 1,1-Dichloroethylene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 87-61-6 1,2,3-Trichlorobenzene ND 300 ug/kg dry 50 08/27/15 B5H2705 8260 96-18-4 1,2,3-Trimethylbenzene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 120-82-1 1,2,4-Trichlorobenzene ND <td></td>	
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79-00-5 i,1,2-Trichloroethane ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 75-34-3 1,1-Dichloroethane ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 75-35-4 1,1-Dichloroethylene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 87-61-6 1,2,3-Trichlorobenzene ND 300 ug/kg dry 50 08/27/15 B5H2705 8260 96-18-4 1,2,3-Trichloropropane ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 526-73-8 1,2,3-Trimethylbenzene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 120-82-1 1,2,4-Trichlorobenzene ND 300 ug/kg dry 50 08/27/15 B5H2705 8260 95-63-6 1,2,4-Trimethylbenzene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 96-12-8 1,2-Dibromo-3-chloropropane ND </td <td></td>	
75-34-3 1,1-Dichloroethane ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 75-35-4 1,1-Dichloroethylene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 87-61-6 1,2,3-Trichlorobenzene ND 300 ug/kg dry 50 08/27/15 B5H2705 8260 96-18-4 1,2,3-Trichloropropane ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 526-73-8 1,2,3-Trimethylbenzene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 120-82-1 1,2,4-Trichlorobenzene ND 300 ug/kg dry 50 08/27/15 B5H2705 8260 95-63-6 1,2,4-Trimethylbenzene of the companies of	
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95-50-1 1,2-Dichlorobenzene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260	
107-06-2 1,2-Dichloroethane ND 60 ug/kg dry 50 08/27/15 B5H2705 8260	
78-87-5 1,2-Dichloropropane ND 60 ug/kg dry 50 08/27/15 B5H2705 8260	77547
108-67-8 1,3,5-Trimethylbenzene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260	
541-73-1 1,3-Dichlorobenzene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260	
106-46-7 1,4-Dichlorobenzene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260	
78-93-3 2-Butanone (MEK) ND 300 ug/kg dry 50 08/27/15 B5H2705 8260	
591-78-6 2-Hexanone ND 300 ug/kg dry 50 08/27/15 B5H2705 8260	48.11
91-57-6 2-Methylnaphthalene ND 300 ug/kg dry 50 08/27/15 B5H2705 8260	X
67-64-1 2-Propanone (acetone) ND 1200 ug/kg dry 50 08/27/15 B5H2705 8260	
108-10-1 4-Methyl-2-pentanone (MIBK) ND 300 ug/kg dry 50 08/27/15 B5H2705 8260	
107-13-1 Acrylonitrile ND 300 ug/kg dry 50 08/27/15 B5H2705 8260	
71-43-2 Benzene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260	
108-86-1 Bromobenzene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260	
74-97-5 Bromochloromethane ND 60 ug/kg dry 50 08/27/15 B5H2705 8260	
75-27-4 Bromodichloromethane ND 60 ug/kg dry 50 08/27/15 B5H2705 8260	
75-25-2 Bromoform ND 60 ug/kg dry 50 08/27/15 B5H2705 8260	
74-83-9 Bromomethane ND 300 ug/kg dry 50 08/27/15 B5H2705 8260	A.M. (2277)
75-15-0 Carbon disulfide ND 60 ug/kg dry 50 08/27/15 B5H2705 8260	
56-23-5 Carbon tetrachloride ND 60 ug/kg dry 50 08/27/15 B5H2705 8260	A
108-90-7 Chlorobenzene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260	
75-00-3 Chloroethane ND 300 ug/kg dry 50 08/27/15 B5H2705 8260	364 C
67-66-3 Chloroform ND 60 ug/kg dry 50 08/27/15 B5H2705 8260	
74-87-3 Chloromethane ND 300 ug/kg dry 50 08/27/15 B5H2705 8260	
156-59-2 cis-1,2-Dichloroethylene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260	
10061-01-5 cis-1,3-Dichloropropylene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260	ξ. 100 (Σ. 10) (Σ. 10
110-82-7 Cyclohexane ND 300 ug/kg dry 50 08/27/15 B5H2705 8260	
124-48-1 Dibromochloromethane ND 60 ug/kg dry 50 08/27/15 B5H2705 8260	. TYPE 12 CONTRACT TO THE PARTY OF THE PARTY



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

Organics-Volatiles	te	Result	RL	4 Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
75-71-8 Dichlorodifluoromethane ND 300 ug/kg dry 50 08/27/15 B5H2705 8260 60-29-7 Dicthyl ether ND 300 ug/kg dry 50 08/27/15 B5H2705 8260 108-20-3 Disopropyl Ether ND 300 ug/kg dry 50 08/27/15 B5H2705 8260 108-20-3 Disopropyl Ether ND 300 ug/kg dry 50 08/27/15 B5H2705 8260 637-92-3 Ethylteriarybutylether ND 500 ug/kg dry 50 08/27/15 B5H2705 8260 637-92-3 Ethylteriarybutylether ND 500 ug/kg dry 50 08/27/15 B5H2705 8260 67/72-1 H5xachloroethane ND 500 ug/kg dry 50 08/27/15 B5H2705 8260 67/72-1 H5xachloroethane ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 67/72-1 M6xp Xylene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 78-82-8 Isopropylbenzene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 78-88-4 Methyl iodide ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 78-88-4 Methyl iodide ND 500 ug/kg dry 50 08/27/15 B5H2705 8260 78-90-2 Methylene chloride ND 500 ug/kg dry 50 08/27/15 B5H2705 8260 1634-04-4 Methyltertiarybutylether ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 1634-04-4 Methyltertiarybutylether ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 103-65-1 n-Butylbenzene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 103-65-1 n-Propylbenzene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 103-65-1 n-Propylbenzene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 103-65-1 n-Propylbenzene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 103-65-1 n-Propylbenzene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 103-65-1 n-Propylbenzene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 103-65-1 n-Propylbenzene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 103-65-1 n-Propylbenzene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 103-65-1 n-Propylbenzene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 103-65-1 n-Propylbenzene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 103-65-1 n-Propylbenzene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 103-65-1 n-Propylbenzene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 103-65-1 n-Propylbenzene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 103-65-1 n-Propylbenzene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 103-65-1 n-Propylbenzene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 103-65-1 n-Propylbenzene ND									
60-29-7 Diethyl ether ND 300 ug/kg dry 50 08/27/15 B5H2705 \$260 108-20-3 Diisopropyl Ether ND 300 ug/kg dry 50 08/27/15 B5H2705 \$260 100-41-4 Ethylteriarybutylether ND 60 ug/kg dry 50 08/27/15 B5H2705 \$260 637-92-3 Ethylteriarybutylether ND 300 ug/kg dry 50 08/27/15 B5H2705 \$260 67-72-1 Hexachloroethane ND 300 ug/kg dry 50 08/27/15 B5H2705 \$260 98-82-8 Isopropylbenzene ND 60 ug/kg dry 50 08/27/15 B5H2705 \$260 1330-20-7 m & p-Xylene ND 60 ug/kg dry 50 08/27/15 B5H2705 \$260 14-8-8 Methyl iodide ND 60 ug/kg dry 50 08/27/15 B5H2705 \$260 15-34-0 Methyliteriarybutylether ND 60 u	omomethane	ND	60	ug/kg dry	50≨.	08/27/15	B5H2705	8260	
108-20-3 Diisopropyl Ether ND 300 ug/kg dry 50 08/27/15 B5H2705 8260	lorodifluoromethane	ND	300	ug/kg dry	50	08/27/15	B5H2705	8260	a the comment of the
100-41-4 Ethylbenzene	nyl éther	ND :	300	ug/kg dry	50	08/27/15	B5H2705	8260	
637-92-3 Ethyltertiarybutylether ND 300 ug/kg dry 50 08/27/15 B5H2705 8260 67-72-1 Hexachloroethane ND 300 ug/kg dry 50 08/27/15 B5H2705 8260 98-82-8 Isopropylbenzene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 1330-20-7 m & p - Xylene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 74-88-4 Methyl iodide ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 1634-04-4 Methyliene chloride ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 1634-04-4 Methyliene chloride ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 91-20-3 Naphthalene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 104-51-8 n-Butylbenzene ND 60 ug/kg dry	propyl Ether	· ND	300	ug/kg dry	50	08/27/15	B5H2705	8260	ereddistau a dae'i reddistau'u dae dae ar y ar ac ac ar ar ar ar ar ar ar ar ar ar ar ar ar
67-72-1 Hexachloroethane ND 300 ug/kg dry 50 08/27/15 B5H2705 8260 98-82-8 Isopropylbenzene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 1330-20-7 m & P. Xylene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 74-88-4 Methyl oldide ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 75-09-2 Methylene chloride ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 1634-04-4 Methylene chloride ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 91-20-3 Naphthalene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 103-65-1 n-Propylbenzene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 5-47-6 o-Xylene ND 60 ug/kg dry 50 </td <td>lbenzene</td> <td>ND</td> <td>60</td> <td>ug/kg dry</td> <td>50</td> <td>08/27/15</td> <td>B5H2705</td> <td>8260</td> <td></td>	lbenzene	ND	60	ug/kg dry	50	08/27/15	B5H2705	8260	
98-82-8 Isopropylbenzene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 1330-20-7 m & p - Xylene ND 120 ug/kg dry 50 08/27/15 B5H2705 8260 74-88-4 Methyl iodide ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 75-09-2 Methylene chloride ND 300 ug/kg dry 50 08/27/15 B5H2705 8260 1634-04-4 Methyltertiarybutylether ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 102-63 Naphthalene ND 300 ug/kg dry 50 08/27/15 B5H2705 8260 102-63 Naphthalene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 102-65-1 n-Propylbenzene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 103-65-1 n-Propylbenzene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 103-65-1 n-Propylbenzene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 103-65-1 n-Propylbenzene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 135-98-8 sec-Butylbenzene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 135-98-8 sec-Butylbenzene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 100-42-5 Styrene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 100-42-5 Styrene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 100-42-5 Styrene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 100-42-5 Styrene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 100-42-5 Styrene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 100-42-5 Styrene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 100-42-5 Styrene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 100-42-5 Trichloroethylene ND 300 ug/kg dry 50 08/27/15 B5H2705 8260 100-99-9 Tetrahydrofuran ND 300 ug/kg dry 50 08/27/15 B5H2705 8260 100-99-9 Tetrahydrofuran ND 300 ug/kg dry 50 08/27/15 B5H2705 8260 100-99-9 Tetrahydrofuran ND 300 ug/kg dry 50 08/27/15 B5H2705 8260 100-99-9 Tetrahydrofuran ND 300 ug/kg dry 50 08/27/15 B5H2705 8260 100-99-9 Tetrahydrofuran ND 300 ug/kg dry 50 08/27/15 B5H2705 8260 100-99-9 Tetrahydrofuran ND 300 ug/kg dry 50 08/27/15 B5H2705 8260 100-99-9 Tetrahydrofuran ND 300 ug/kg dry 50 08/27/15 B5H2705 8260 100-99-9 Tetrahydrofuran ND 300 ug/kg dry 50 08/27/15 B5H2705 8260 100-99-9 Tetrahydrofuran ND 300 ug/kg dry 50 08/27/15 B5H2705 8260 100-99-9 Tetrahydrofuran ND 300 ug/kg dry 50 08/27/15 B5H2705 8260 100-99-9 Tetrahydrofuran ND 300 ug/kg dry	ltertiarybutylether	ND	300	ug/kg dry	50	08/27/15	B5H2705	8260	
1330-20-7 m & p - Xylene	chloroethane	ND .	300	ug/kg dry	50	08/27/15	В5Н2705	8260 ,	
74-88-4 Methyl iodide ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 75-09-2 Methylene chloride ND 300 ug/kg dry 50 08/27/15 B5H2705 8260 1634-04-4 Methyltertiarybutylether ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 91-20-3 Naphthalene ND 300 ug/kg dry 50 08/27/15 B5H2705 8260 104-51-8 n. Butylbenzene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 103-65-1 n-Propylbenzene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 3-47-6 o-Xylene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 135-98-8 sec-Butylbenzene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 100-42-5 Styrene ND 60 ug/kg dry 50<	opylbenzene	ND	60	ug/kg dry	50	08/27/15	B5H2705	8260	
75-09-2 Methylene chloride ND 300 ug/kg dry 50 08/27/15 BSH2705 8260 1634-04-4 Methyltertiarybutylether ND 60 ug/kg dry 50 08/27/15 BSH2705 8260 91-20-3 Naphthalene ND 300 ug/kg dry 50 08/27/15 BSH2705 8260 104-51-8 n-Butylbenzene ND 60 ug/kg dry 50 08/27/15 BSH2705 8260 103-65-1 n-Propylbenzene ND 60 ug/kg dry 50 08/27/15 BSH2705 8260 3-47-6 o-Xylene ND 60 ug/kg dry 50 08/27/15 BSH2705 8260 3-87-6 p-Isopropyl toluene ND 60 ug/kg dry 50 08/27/15 BSH2705 8260 135-98-8 sec-Butylbenzene ND 60 ug/kg dry 50 08/27/15 BSH2705 8260 100-42-5 Styrene ND 60 ug/kg dry <td< td=""><td>p-Xylene</td><td>NĎ</td><td>120</td><td>ug/kg dry</td><td>50</td><td>08/27/15</td><td>B5H2705</td><td>8260</td><td></td></td<>	p-Xylene	NĎ	120	ug/kg dry	50	08/27/15	B5H2705	8260	
1634-04-4 Methyltertiarybutylether ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 91-20-3 Naphthalene ND 300 ug/kg dry 50 08/27/15 B5H2705 8260 104-51-8 n-Butylbenzene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 103-65-1 n-Propylbenzene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 5-47-6 o-Xylene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 9-87-6 p-Isopropyl toluene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 135-98-8 sec-Butylbenzene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 100-42-5 Styrene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 98-06-6 tert-Butylbenzene ND 300 ug/kg dry	yl iodide	ND	60	ug/kg dry	50	08/27/15	B5H2705	8260	
91-20-3 Naphthalene ND 300 ug/kg dry 50 08/27/15 B5H2705 8260 104-51-8 n-Butylbenzene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 103-65-1 n-Propylbenzene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 5-47-6 o-Xylene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 3-87-6 p-Isopropyl toluene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 135-98-8 sec-Butylbenzene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 135-98-8 sec-Butylbenzene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 100-42-5 Styrene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 100-42-5 Styrene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 100-42-5 Styrene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 100-42-5 Ertiary Butyl Alcohol ND 3000 ug/kg dry 50 08/27/15 B5H2705 8260 127-18-4 Tetrachloroethylene ND 300 ug/kg dry 50 08/27/15 B5H2705 8260 127-18-4 Tetrachloroethylene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 109-99-9 Tetrahydrofuran ND 300 ug/kg dry 50 08/27/15 B5H2705 8260 109-99-9 Tetrahydrofuran ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 109-99-9 Tetrahydrofuran ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 109-99-9 Tetrahydrofuran ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 100-99-9 Tetrahydrofuran ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 100-99-9 Tetrahydrofuran ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 100-99-9 Tetrahydrofuran ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 100-99-9 Tetrahydrofuran ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 100-99-9 Tetrahydrofuran ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 100-99-9 Tetrahydrofuran ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 100-99-9 Tetrahydrofuran ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 100-99-9 Tetrahydrofuran ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 100-99-9 Tetrahydrofuran ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 100-99-9 Tetrahydrofuran ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 100-99-9 Tetrahydrofuran ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 100-99-9 Tetrahydrofuromethylene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 100-99-90 Tetrahydrofuromethylene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 100-99-90 Tetrahydrofuromethylene ND 60 ug/kg dry 50 08/27/15 B5H	ylene chloride	ND	300	ug/kg dry	50.	08/27/15	B5H2705	8260	
104-51-8 n-Butylbenzene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 103-65-1 n-Propylbenzene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 3-47-6 o-Xylene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 3-87-6 p-Isopropyl toluene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 135-98-8 sec-Butylbenzene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 100-42-5 Styrene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 98-06-6 tert-Butylbenzene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 75-65-0 tertiary Butyl Alcohol ND 300 ug/kg dry 50 08/27/15 B5H2705 8260 127-18-4 Tertachloroethylene ND 60 ug/kg dry	yltertiarybutylether	ND	60	ug/kg dry	50	08/27/15	B5H2705	8260	Strict was entitled to subject
103-65-1 n-Propylbenzene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260	nthalene	ND	300	ug/kg dry	50	08/27/15	B5H2705	8260	X
5.47-6 o-Xylene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 3-87-6 p-Isopropyl toluene ND 60 ug/kg dry 30 08/27/15 B5H2705 8260 135-98-8 sec-Butylbenzene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 100-42-5 Styrene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 98-06-6 tert-Butylbenzene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 75-65-0 tertiary Butyl Alcohol ND 3000 ug/kg dry 50 08/27/15 B5H2705 8260 127-18-4 Tetrachloroethylene ND 300 ug/kg dry 50 08/27/15 B5H2705 8260 109-99-9 Tetrahydrofuran ND 30 ug/kg dry 50 08/27/15 B5H2705 8260 156-60-5 trans-1,3-Dichloroethylene ND 60 ug/kg dry	tylbenzene	ND	60	ug/kg dry	50	08/27/15	B5H2705	8260	
3-87-6 p-Isopropyl toluene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 135-98-8 sec-Butylbenzene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 100-42-5 Styrene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 98-06-6 tert-Butylbenzene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 98-06-6 tertiary Butyl Alcohol ND 3000 ug/kg dry 50 08/27/15 B5H2705 8260 994-05-8 tertiary Amylmethylether ND 300 ug/kg dry 50 08/27/15 B5H2705 8260 127-18-4 Tetrachloroethylene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 109-99-9 Tetrahydrofuran ND 300 ug/kg dry 50 08/27/15 B5H2705 8260 108-88-3 Toluene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 156-60-5 trans-1,2-Dichloroethylene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 10061-02-6 trans-1,3-Dichloropropylene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 100-57-6 trans-1,4-Dichloro-2-butene ND 300 ug/kg dry 50 08/27/15 B5H2705 8260 179-01-6 Trichloroethylene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 75-69-4 Trichlorofluoromethane ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 50-60-4 Trichloroethylene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 50-60-4 Trichlorofluoromethane ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 50-60-4 Trichlorofluoromethane ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 50-60-4 Trichlorodehylene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 50-60-4 Trichlorodehylene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 50-60-4 Trichlorodehylene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 50-60-4 Trichlorodehylene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 50-60-4 Trichlorodehylene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 50-60-4 Trichlorodehylene ND 60 ug/kg dry 50 08/27/15 B5H2705	pylbenzene	ND	60	ug/kg dry	50	08/27/15	B5H2705	8260	
135-98-8 sec-Butylbenzene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 100-42-5 Styrene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 98-06-6 tert-Butylbenzene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 75-65-0 tertiary Butyl Alcohol ND 3000 ug/kg dry 50 08/27/15 B5H2705 8260 994-05-8 tertiaryAmylmethylether ND 300 ug/kg dry 50 08/27/15 B5H2705 8260 127-18-4 Tetrachloroethylene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 109-99-9 Tetrahydrofuran ND 300 ug/kg dry 50 08/27/15 B5H2705 8260 108-88-3 Toluene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 156-60-5 trans-1,2-Dichloroethylene ND 60 u	lene	ND	60	ug/kg dry	50	08/27/15	B5H2705	8260	
100-42-5 Styrene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 98-06-6 tert-Butylbenzene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 75-65-0 tertiary Butyl Alcohol ND 3000 ug/kg dry 50 08/27/15 B5H2705 8260 994-05-8 tertiary Amylmethylether ND 300 ug/kg dry 50 08/27/15 B5H2705 8260 127-18-4 Tetrachloroethylene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 109-99-9 Tetrahydrofuran ND 300 ug/kg dry 50 08/27/15 B5H2705 8260 108-88-3 Toluene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 156-60-5 trans-1,2-Dichloroethylene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 110-57-6 trans-1,4-Dichloro-2-butene ND 60	propyl toluene	ND	60	ug/kg dry	50:	08/27/15	B5H2705	8260	
98-06-6 tert-Butylbenzene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 75-65-0 tertiary Butyl Alcohol ND 3000 ug/kg dry 50 08/27/15 B5H2705 8260 994-05-8 tertiaryAmylmethylether ND 300 ug/kg dry 50 08/27/15 B5H2705 8260 127-18-4 Tetrachloroethylene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 109-99-9 Tetrahydrofuran ND 300 ug/kg dry 50 08/27/15 B5H2705 8260 108-88-3 Toluene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 156-60-5 trans-1,2-Dichloroethylene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 10061-02-6 trans-1,3-Dichloropropylene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 110-57-6 trans-1,4-Dichloro-2-butene ND 300 ug/kg dry 50 08/27/15 B5H2705 8260 79-01-6 Trichloroethylene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 75-69-4 Trichlorofluoromethane ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 75-01-4 Vinyl chloride ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 Surrogate: Bromofluorobenzene 130 % 40.3-194 08/27/15 B5H2705 8260	Butylbenzene	ND	60	ug/kg dry	50	08/27/15	B5H2705	8260	
75-65-0 tertiary Butyl Alcohol ND 3000 ug/kg dry 50 08/27/15 B5H2705 8260 994-05-8 tertiaryAmylmethylether ND 300 ug/kg dry 50 08/27/15 B5H2705 8260 127-18-4 Tetrachloroethylene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 109-99-9 Tetrahydrofuran ND 300 ug/kg dry 50 08/27/15 B5H2705 8260 108-88-3 Toluene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 156-60-5 trans-1,2-Dichloroethylene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 10061-02-6 trans-1,3-Dichloropropylene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 79-01-6 Trichloroethylene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 75-69-4 Trichlorofluoromethane ND	ne	ND	60	ug/kg dry	50	08/27/15	B5H2705	8260	
994-05-8 tertiaryAmylmethylether ND 300 ug/kg dry 50 08/27/15 B5H2705 8260 127-18-4 Tetrachloroethylene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 109-99-9 Tetrahydrofuran ND 300 ug/kg dry 50 08/27/15 B5H2705 8260 108-88-3 Toluene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 156-60-5 trans-1,2-Dichloroethylene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 10061-02-6 trans-1,3-Dichloropropylene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 110-57-6 trans-1,4-Dichloro-2-butene ND 300 ug/kg dry 50 08/27/15 B5H2705 8260 79-01-6 Trichloroethylene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 79-01-6 Trichloroethylene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 75-69-4 Trichlorofluoromethane ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 75-01-4 Vinyl chloride ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 Surrogate: Bromofluorobenzene 130 % 40.3-194 08/27/15 B5H2705 8260	Butylbenzene	ND	60	ug/kg dry	50	08/27/15	B5H2705	8260	***************************************
127-18-4 Tetrachloroethylene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 109-99-9 Tetrahydrofuran ND 300 ug/kg dry 50 08/27/15 B5H2705 8260 108-88-3 Toluene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 156-60-5 trans-1,2-Dichloroethylene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 10061-02-6 trans-1,3-Dichloropropylene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 110-57-6 trans-1,4-Dichloro-2-butene ND 300 ug/kg dry 50 08/27/15 B5H2705 8260 79-01-6 Trichloroethylene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 75-69-4 Trichlorofluoromethane ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 Surrogate: Bromofluorobenzene 130 % 40.3-19	ry Butyl Alcohol	ND	3000	ug/kg dry	50	08/27/15	B5H2705	8260	
109-99-9 Tetrahydrofuran ND 300 ug/kg dry 50 08/27/15 B5H2705 8260 108-88-3 Toluene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 156-60-5 trans-1,2-Dichloroethylene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 10061-02-6 trans-1,3-Dichloropropylene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 110-57-6 trans-1,4-Dichloro-2-butene ND 300 ug/kg dry 50 08/27/15 B5H2705 8260 79-01-6 Trichloroethylene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 75-69-4 Trichlorofluoromethane ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 75-01-4 Vinyl chloride ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 Surrogate: Bromofluorobenzene 130 % 40.3-194	ryAmylmethylether	ND	300	ug/kg dry	50	08/27/15	B5H2705	8260	
108-88-3 Toluene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 156-60-5 trans-1,2-Dichloroethylene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 10061-02-6 trans-1,3-Dichloropropylene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 110-57-6 trans-1,4-Dichloro-2-butene ND 300 ug/kg dry 50 08/27/15 B5H2705 8260 79-01-6 Trichloroethylene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 75-69-4 Trichlorofluoromethane ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 75-01-4 Vinyl chloride ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 Surrogate: Bromofluorobenzene 130 % 40.3-194 08/27/15 B5H2705 8260	chloroethylene	, ND	60	ug/kg dry	50	08/27/15	B5H2705	8260	
156-60-5 trans-1,2-Dichloroethylene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 10061-02-6 trans-1,3-Dichloropropylene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 110-57-6 trans-1,4-Dichloro-2-butene ND 300 ug/kg dry 50 08/27/15 B5H2705 8260 79-01-6 Trichloroethylene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 75-69-4 Trichlorofluoromethane ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 75-01-4 Vinyl chloride ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 Surrogate: Bromofluorobenzene 130 % 40.3-194 08/27/15 B5H2705 8260	hydrofuran	ND	300	ug/kg dry	50	08/27/15	B5H2705	8260	A. a.c.
10061-02-6 trans-1,3-Dichloropropylene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 110-57-6 trans-1,4-Dichloro-2-butene ND 300 ug/kg dry 50 08/27/15 B5H2705 8260 79-01-6 Trichloroethylene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 75-69-4 Trichlorofluoromethane ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 75-01-4 Vinyl chloride ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 Surrogate: Bromofluorobenzene 130 % 40.3-194 08/27/15 B5H2705 8260	ene	ND	60	ug/kg dry	50	08/27/15	B5H2705	8260	
110-57-6 trans-1,4-Dichloro-2-butene ND 300 ug/kg dry 50 08/27/15 B5H2705 8260 79-01-6 Trichloroethylene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 75-69-4 Trichlorofluoromethane ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 75-01-4 Vinyl chloride ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 Surrogate: Bromofluorobenzene 130 % 40.3-194 08/27/15 B5H2705 8260	-1,2-Dichloroethylene	ND	60	ug/kg dry	50	08/27/15	B5H2705	8260	
79-01-6 Trichloroethylene ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 75-69-4 Trichlorofluoromethane ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 75-01-4 Vinyl chloride ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 Surrogate: Bromofluorobenzene 130 % 40.3-194 08/27/15 B5H2705 8260	-1,3-Dichloropropylene	ND	60	ug/kg dry	50	08/27/15	B5H2705	8260	
75-69-4 Trichlorofluoromethane ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 75-01-4 Vinyl chloride ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 Surrogate: Bromofluorobenzene 130 % 40.3-194 08/27/15 B5H2705 8260	-1,4-Dichloro-2-butene	ND	300	ug/kg dry	50	08/27/15	B5H2705	8260	BBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBB
75-01-4 Vinyl chloride ND 60 ug/kg dry 50 08/27/15 B5H2705 8260 Surrogate: Bromofluorobenzene 130 % 40.3-194 08/27/15 B5H2705 8260	loroethylene	ND	60	ug/kg dry	50	08/27/15	B5H2705	8260	
Surrogate: Bromofluorobenzene 130 % 40.3-194 08/27/15 B5H2705 8260	lorofluoromethane	ND	60	ug/kg dry	50	08/27/15	B5H2705	8260	*
	l chloride	ND	60	ug/kg dry	50	08/27/15	B5H2705	8260	
Surrogate: Dibromofluoromethane 140 % : 52 L-217 08/27/15 B5H2705 9260	пе		130 %	40.3-1	94	08/27/15	B5H2705	8260	
110.00 3511.13 25111.052	hane		140 %	52.1-2	17	08/27/15	B5H2705	8260	
Surrogate: Toluene-d8 138 % 55.4-196 08/27/15 B5H2705 8260			138 %	55.4-1	96	08/27/15	B5H2705	8260	annen er et et et en en en en en en en en en en en en en

STATE OF MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY ENVIRONMENTAL LABORATORY

P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9360

CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Semive	olatiles							See n	ote Y20, Y25
120-82-1	1,2,4-Trichlorobenzene	ND	4500	ug/kg dry	1	09/08/15	B5H2808	8270	
95-95-4	2,4,5-Trichlorophenol	ND	7400	ug/kg dry	1	09/08/15	B5H2808	8270	
88-06-2	2,4,6-Trichlorophenol	ND	7400	ug/kg dry	1	09/08/15	B5H2808	8270	
120-83-2	2,4-Dichlorophenol	ND	7400	ug/kg dry	1	09/08/15	B5H2808	8270	
105-67-9	2,4-Dimethylphenol	ND	7400.	ug/kg dry	1 .	09/08/15	B5H2808	8270	
51-28-5	2,4-Dinitrophenol	ND	38000	ug/kg dry	1	09/08/15	B5H2808	8270	
121-14-2	2,4-Dinitrotoluene	ND	5600	ug/kg dry	1	09/08/15	B5H2808	8270	
606-20-2	2,6-Dinitrotoluene	ND	5600	ug/kg dry	1	09/08/15	B5H2808	8270	
91-58-7	2-Chloronaphthalene	ND	4500	ug/kg dry	1	09/08/15	B5H2808	8270	
95-57-8	2-Chlorophenol	ND	7400	ug/kg dry	1	09/08/15	B5H2808	8270	
534-52-1	2-Methyl-4,6-dinitrophenol	ND	38000	ug/kg dry	1	09/08/15	B5H2808	8270	
91-57-6	2-Methylnaphthalene	ND	5600	ug/kg dry	1	09/08/15	B5H2808	8270	information of the property of the property of
95-48-7	2-Methylphenol (o-Cresol)	ND	7400	ug/kg dry	1	09/08/15	B5H2808	8270	
88-74-4	2-Nitroaniline	ND	11000	ug/kg dry	1	09/08/15	B5H2808	8270	***************************************
88-75-5	2-Nitrophenol	ND	7400	ug/kg dry	1	09/08/15	B5H2808	8270	
108394,106445	3 & 4-Methylphenol	ND	15000	ug/kg dry	1	09/08/15	B5H2808	8270	
99-09-2	3-Nitroaniline	ND	11000	ug/kg dry	1	09/08/15	B5H2808	8270	
101-55-3	4-Bromophenyl phenyl ether	ND	4500	ug/kg dry	1	09/08/15	B5H2808	8270	
59-50-7	4-Chloro-3-methyl-phenol	ND	4500	ug/kg dry	1	09/08/15	B5H2808	8270	
7005-72-3	4-Chlorodiphenylether	ND	2200	ug/kg dry	1	09/08/15	B5H2808	8270	1
100-01-6	4-Nitroaniline	ND	11000	ug/kg dry	1	09/08/15	B5H2808	8270	
100-02-7	4-Nitrophenol	ND	38000	ug/kg dry	1	09/08/15	B5H2808	8270	***************************************
83-32-9	Acenaphthene	ND	2200	ug/kg dry	1	09/08/15	B5H2808	8270	
208-96-8	Acenaphthylene	ND	2200	ug/kg dry	1	09/08/15	B5H2808	8270	
120-12-7	Anthracene	ND :	2200	ug/kg dry	1	09/08/15	B5H2808	8270	
103-33-3	Azobenzene	ND	4500	ug/kg dry	1	09/08/15	B5H2808	8270	00.70000000000000000000000000000000000
56-55-3	Benz[a]anthracene	ND	2200	ug/kg dry	1	09/08/15	B5H2808	8270	
50-32-8	Benzo[a]pyrene	ND	4500	ug/kg dry	1	09/08/15	B5H2808	8270	
205-99-2	Benzo[b]fluoranthene	ND .	4500	ug/kg dry	1	09/08/15	B5H2808	8270	
191-24-2	Benzo[g,h,i]perylene	ND	4500	ug/kg dry	1	09/08/15	B5H2808	8270	
207-08-9	Benzo[k]fluoranthene	ND	4500	ug/kg dry	1	09/08/15	B5H2808	8270	
100-51-6	Benzyl Alcohol	ND	56000	ug/kg dry	1	09/08/15	B5H2808	8270	taken a sitekatan en eta men a
111-91-1	Bis(2-chloroethoxy)methane	ND	4500	ug/kg dry	1	09/08/15	B5H2808	8270	
111-44-4	Bis(2-chloroethyl)ether	ND	2200	ug/kg dry	1	09/08/15	. B5H2808	8270	entropy (Sand St. 1987)
108-60-1	Bis(2-chloroisopropyl)ether	ND	2200	ug/kg dry	1	09/08/15	B5H2808	8270	
117-81-7	Bis(2-ethylhexyl)phthalate	ND	5600	ug/kg dry	1	09/08/15	B5H2808	8270	saurriteiseitir Roman - (Auto) er
85-68-7	Butyl benzyl phthalate	ND	5600	ug/kg dry	1	09/08/15	B5H2808	8270	
86-74-8	Carbazole	ND	5600	ug/kg dry	I	09/08/15	B5H2808	8270 [·]	
218-01-9	Chrysene	ND	2200	ug/kg dry	1	09/08/15	B5H2808	8270	
53-70-3	Dibenz[a,h]anthracene	ND	4500	ug/kg dry	1	09/08/15	B5H2808	8270	and the same of the same of
132-64-9	Dibenzofuran	ND	5600	ug/kg dry		09/08/15	B5H2808	8270	earena '



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

						Analyzed			
CAS#	Analyte	Result	RL _.	Units	Dilution	Date	QC Batch	Method	Qualifier
Organics-Sem	ivolatiles							See no	ote Y20, Y25
84-66-2	Diethylphthalate	ND	5600	ug/kg dry	1	09/08/15	B5H2808	8270	
131-11-3	Dimethyl phthalate	ND	5600	ug/kg dry	1	09/08/15	B5H2808	8270	
84-74-2	Di-n-butyl phthalate	ND	5600	ug/kg dry	1	09/08/15	B5H2808	.8270	
117-84-0	Di-n-octyl phthalate	ND	5600	ug/kg dry	1	09/08/15	B5H2808	8270	
206-44-0	Fluoranthene	3500	2200	ug/kg dry	1	09/08/15	B5H2808	8270	
86-73-7	Fluorene	ND	2200	ug/kg dry	1	09/08/15	B5H2808	8270	
118-74-1	Hexachlorobenzene	ND	4500	ug/kg dry	1	09/08/15	B5H2808	8270	
87-68-3	Hexachlorobutadiene.	ND	2200	ug/kg dry	1	09/08/15	B5H2808	8270	
77-47-4	Hexachlorocyclopentadiene	ND	22000	ug/kg dry	1	09/08/15	B5H2808	8270	
67-72-1	Hexachloroethane	ND	2200	ug/kg dry	1	09/08/15	B5H2808	8270	
193-39-5	Indeno(1,2,3-c,d)pyrene	ND	4500	ug/kg dry	1	09/08/15	B5H2808	8270	
78-59-1	Isophorone	ND	2200	ug/kg dry	1	09/08/15	B5H2808	8270	
91-20-3	Naphthalene	ND	2200	ug/kg dry	1	09/08/15	B5H2808	8270	
98-95-3	Nitrobenzene	ND	4500	ug/kg dry	1	09/08/15	B5H2808	8270	
67-75-9	N-Nitrosodimethylamine	ND	5600	ug/kg dry	1	09/08/15	B5H2808	8270	
21-64-7	N-Nitrosodi-n-propylamine	ND	4500	ug/kg dry	1	-09/08/15	B5H2808	8270	
5-30-6	N-Nitrosodiphenylamine	ND	4500	ug/kg dry	1	09/08/15	B5H2808	8270	-
87-86-5	Pentachlorophenol	ND	38000	ug/kg dry	1	09/08/15	B5H2808	8270	
85-01-8	Phenanthrene	2200	2200	ug/kg dry	1	09/08/15	B5H2808	8270	
108-95-2	Phenol	ND	7400	ug/kg dry	1	09/08/15	B5H2808	8270	
129-00-0	Pyrene	3500	2200	ug/kg dry	1	09/08/15	B5H2808	8270	
Surrogate: 2,4,6-1	ribromophenol	Not	Applicable	20.3-1	15	09/08/15	B5H2808	8270	V
Surrogate: 2-Fluo	robiphenyl	Not	Applicable	32.9-1	15	09/08/15	B5H2808	8270	V
Surrogate: 2-Fluo	rophenol	Not	Applicable	23.7-1.	15	09/08/15	B5H2808	8270	V
Surrogate: Nitrob	enzene-d5	· Not	Applicable	31.8-1	15	. 09/08/15	B5H2808	8270	V
Surrogate: Phenoi	-d6	Not	Applicable	29.3-1.	15	09/08/15	B5H2808	8270	V
Surrogate: p-Terp	henyl-d14	Not	Applicable	38.5-1.	15	09/08/15	B5H2808	8270	· <i>V</i>
· ·			••						



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

CAS#	Analyte	Result	RL	Units	/ Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Pesti	cides					-			See note Y20
789-02-6	2,4'-DDT	49	45	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
72-54-8	4,4'-DDD	81	45	ug/kg dry	1	09/09/15	B5H3117	8081/8082	urulaanka Silahemilisis hagi
72-55-9	4,4'-DDE	280	45	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
50-29-3	4,4'-DDT	180	45	ug/kg dry	1	09/09/15	B5H3117	8081/8082	•
319-84-6	а-ВНС	ND	22	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
5103-71-9	a-Chlordane	ND	45	ug/kg dry	1	09/09/15	B5H3117	8081/8082	[222.0000031000004,]001 <u>0</u> 1210
309-00-2	Aldrin	ND	45	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
319-85-7	b-BHC	, ND	45	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
319-86-8	d-BHC	ND	45	ug/kg dry	. 1	.09/09/15	B5H3117	8081/8082	
60-57-1	Dieldrin	ND	45	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
959-98-8	Endosulfan I	ND	45	ug/kg dry	1 :	09/09/15	B5H3117	8081/8082	
33213-65-9	Endosulfan II	ND	45	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
1031-07-8	Endosulfan sulfate	ND	45	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
72-20-8	Endrin	ND	45	ug/kg dry	1	09/09/15	B5H3117	8081/8082	•
7421-93-4	Endrin aldehyde	. ND	45	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
53494-70-5	Endrin ketone	ND	45	ug/kg dry	1	09/09/15	B5H3117	8081/8082	,
58-89-9	g-BHC (Lindane)	ND	45	ug/kg dry	1	09/09/15	B5H3117	8081/8082	1,24
5103-74-2	g-Chlordane	ND	45	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
76-44-8	Heptachlor	ND	45	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
1024-57-3	Heptachlor epoxide	ND	45	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
87-82-1	Hexabromobenzene	ND	220	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
72-43-5	Methoxychlor	ND	110	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
2385-85-5	Mirex	ND	110	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
59080-40-9	PBB (BP-6)	ND	560	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
8001-35-2	Toxaphene	ND	380	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
Surrogate: Decachi	lorobiphenyl		63.4 %	30-150)	09/09/15	B5H3117	8081/8082	
Surrogate: Tetrachi	oro-m-xylene		70.7 %	30-150)	09/09/15	B5H3117	8081/8082	



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

CAS#	Analyte	Result	; RL	Units	Dilution	Analyzed Date	QC Batch	Method '	Qualifier
Organics-PCBs	s as Aroclors								See note Y20
12674-11-2	Aroclor 1016	ND	220	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
11104-28-2	Aroclor 1221	ND	220	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
11141-16-5	Aroclor 1232	ND	220	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
53469-21-9	Aroclor 1242	ND	- 220	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
12672-29-6	Aroclor 1248	. ND	220	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
11097-69-1	Aroclor 1254	ND	220	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
11096-82-5	Aroclor 1260	ND	220	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
37324-23-5	Aroclor 1262	ND	220	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
11100-14-4	Aroclor 1268	ND	220	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
Surrogate: Decachl	orobiphenyl		63.4 %	30-150)	09/09/15	B5H3117	8081/8082	
Surrogate: Tetrachle	oro-m-xylene		70.7 %	30-150)	09/09/15	B5H3117	8081/8082	
Inorganics-Ger	neral Chemistry		<u> </u>						
TS	% Total Solids	89.3	0:1	%	1	08/27/15	B5H2709	2540 B	
57-12-5	Total Cyanide	0.12	0.11	mg/kg dry	1	09/03/15	B510207	ASTM D7284	
organics-Me	tals								
:/140-36-0	Antimony	0.4	0.3	mg/kg dry	10	09/08/15	B5H3103	6020/200.8	
7440-38-2	Arsenic	5.2	5.0	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	
7440-39-3	Barium	90	1.0	mg/kg dry	10	09/04/15	B5I0101	6020/200.8	
7440-41-7	Beryllium	ND	2.0	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	erinadisan (indexedentas distribuidades)
7440-43-9	Cadmium	0.7	0.2	mg/kg dry	10	09/04/15	B5I0101	6020/200.8	
7440-47-3	Chromium	ND	20	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	J
7440-48-4	Cobalt	ND	5.0	mg/kg dry	, 100	09/04/15	B5I0101	6020/200.8	
7440-50-8	Copper	19	10	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	
7439-89-6	Iron	11000	5.0	mg/kg dry	10	09/11/15	B510101	6010/200.7	A09
7439-92-1	Lead	70	1.0	mg/kg dry	10	09/04/15	B510101	6020/200.8	
7439-96-5	Manganese	210	10	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	
7439-97-6	Mercury	0.06	0.06	mg/kg dry	1	09/03/15	B5I0204	7471/245.5	<u> </u>
7439-98-7	Molybdenum	ND	1.0	mg/kg dry	10	09/04/15	B5I0101	6020/200.8	A09
7440-02-0	Nickel	12	10	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	
7782-49-2	Selenium	ND.	2.0	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	
7440-22-4	Silver	0.1	0.1	mg/kg dry	10	09/04/15	B5I0101	6020/200.8	
7440-28-0	Thallium	ND	0:5	mg/kg dry	10	09/04/15	B5[0]01	6020/200.8	
7440-62-2	· Vanadium	17	10	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	and a second second
7440-66-6	Zinc	120	.10	mg/kg dry	100	09/04/15	B510101	6020/200.8	



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifie
Organics-Vola	tiles								
530-20-6	1,1,1,2-Tetrachloroethane	ND	79	ug/kg dry	50	08/27/15	B5H2705	8260	
1-55-6	1,1,1-Trichloroethane	ND	79	ug/kg dry	50	08/27/15	B5H2705	8260	
9-34-5	1,1,2,2-Tetrachloroethane	. ND	79	ug/kg dry	50	08/27/15	B5H2705	8260	i i i i i i i i i i i i i i i i i i i
79-00-5	1,1,2-Trichloroethane	ND	79	ug/kg dry	50	08/27/15	B5H2705	8260	
5-34-3	1,1-Dichloroethane	ND	79	ug/kg dry	50	08/27/15	B5H2705	8260	in de spintent troub en rijeren indestriende diener
5-35-4	1,1-Dichloroethylene	ND	.79	ug/kg dry	50	08/27/15	B5H2705	8260	
7-61-6	1,2,3-Trichlorobenzene	ND	400	ug/kg dry	50	08/27/15	B5H2705	8260	
6-18-4	1,2,3-Trichloropropane	ND	79	ug/kg dry	50	08/27/15	B5H2705	8260	
26-73-8	1,2,3-Trimethylbenzene	ND	79	ug/kg dry	50	08/27/15	B5H2705	8260	
20-82-1	1,2,4-Trichlorobenzene	ND	400	ug/kg dry	50	08/27/15	B5H2705	8260	
5-63-6	1,2,4-Trimethylbenzene	ND	79	ug/kg dry	50	08/27/15	B5H2705	8260	in an ar a color o beloni. We have the side
6-12-8	1,2-Dibromo-3-chloropropane	ND	400	ug/kg dry	50	08/27/15	B5H2705	8260	2.7
06-93-4	1,2-Dibromoethane	ND	79	ug/kg dry	50	08/27/15	B5H2705	8260	***************************************
5-50-1	1,2-Dichlorobenzene	ND	79	ug/kg dry	50	08/27/15	B5H2705	8260	
07-06-2	1,2-Dichloroethane	ND	79	ug/kg dry	50	08/27/15	B5H2705	8260	
8-87-5	1,2-Dichloropropane	ND	79	ug/kg dry	50	08/27/15	B5H2705	8260	
08-67-8	1,3,5-Trimethylbenzene	ND	79	ug/kg dry	50	08/27/15	B5H2705	8260	Company of the Compan
41-73-1	1,3-Dichlorobenzene	ND	79	ug/kg dry	50	08/27/15	B5H2705	8260	
06-46-7	1,4-Dichlorobenzene	ND	79	ug/kg dry	50	08/27/15	B5H2705	8260	***************************************
8-93-3	2-Butanone (MEK)	ND	400	ug/kg dry	5.0	08/27/15	B5H2705	8260	7.10
91-78-6	2-Hexanone	ND	400	ug/kg dry	50	08/27/15	B5H2705	8260	and the second the second to the second the second terms of the second terms of the second terms of the second
1-57-6	2-Methylnaphthalene	ND	400	ug/kg dry	50	08/27/15	B5H2705	8260	X
7-64-1	2-Propanone (acetone)	ND	1600	ug/kg dry	50	08/27/15	B5H2705	8260	Erre Laberton
08-10-1	4-Methyl-2-pentanone (MIBK)	ND	400	ug/kg dry	50	08/27/15	B5H2705	8260	
07-13-1	Acrylonitrile	ND	400	ug/kg dry	50	08/27/15	B5H2705	8260	
1-43-2	Benzene	ND	79	ug/kg dry	50	08/27/15	B5H2705	8260	
08-86-1	Bromobenzene	ND	79	ug/kg dry	50	08/27/15	B5H2705	8260	
4-97-5	Bromochloromethane	ND	79	ug/kg dry	50	08/27/15	B5H2705	8260	
5-27-4	Bromodichloromethane	ND	79	ug/kg dry	50	08/27/15	B5H2705	8260	
5-25-2	Bromoform	ND	-79	ug/kg dry	50	08/27/15 -	B5H2705	8260	
4-83-9	Bromomethane	ND	400	ug/kg dry	50	08/27/15	B5H2705	8260	
5-15-0	Carbon disulfide	ND	79	ug/kg dry	50	08/27/15	B5H2705	8260	
6-23-5	Carbon tetrachloride	ND	79	ug/kg dry	50	08/27/15	B5H2705	8260	
08-90-7	Chlorobenzene	ND	79	ug/kg dry	50	08/27/15	B5H2705	8260	
5-00-3	Chloroethane	ND	400	ug/kg dry	50	08/27/15	B5H2705	8260	w.ch.iz.
7-66-3	Chloroform	ND ND	79	ug/kg dry	50	08/27/15	B5H2705	8260	
74-87-3	Chloromethane .	ND	400	ug/kg dry	50	08/27/15	B5H2705	8260	Automata Australia
56-59-2	cis-1,2-Dichloroethylene	ND ND	79	ug/kg dry	50	08/27/15	B5H2705	8260	
0061-01-5	cis-1,3-Dichloropropylene	ND	79	ug/kg dry	50	08/27/15	B5H2705	8260	in the second
10-82-7	Cyclohexane	ND ND	400	ug/kg dry	50	08/27/15	B5H2705	8260	
24-48-1	Dibromochloromethane	ND	79	ug/kg dry	50	08/27/15	B5H2705	8260	



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Vola	tiles						₹.		
74-95-3	Dibromomethane	ND	79	ug/kg dry	50	08/27/15	В5Н2705	8260	
75-71-8	Dichlorodifluoromethane	ND	400	ug/kg dry	50	08/27/15	B5H2705	8260	***************************************
60-29-7	Diethyl ether	ND	400	ug/kg dry	50	08/27/15	B5H2705	82,60	
108-20-3	Diisopropyl Ether	ND	400	ug/kg dry	50	08/27/15	B5H2705	8260	hadra all the property of the second
100-41-4	Ethylbenzene	ND	79	ug/kg dry	50	08/27/15	B5H2705	8260	
637-92-3	Ethyltertiarybutylether	ND	400	ug/kg dry	50	08/27/15	B5H2705	8260	
67-72-1	Hexachloroethane	ND	400	ug/kg dry	50	08/27/15	B5H2705	8260	
98-82-8	Isopropylbenzene	ND	79	ug/kg dry	50	08/27/15	B5H2705	8260	
1330-20-7	m & p - Xylene	ND	160	ug/kg dry	.50	08/27/15	B5H2705	8260	-
74-88-4	Methyl iodide	ND	79	ug/kg dry	50	08/27/15	B5H2705	8260	* 120 / 200
75-09-2	Methylene chloride	ND	400	ug/kg dry	50	08/27/15	B5H2705	8260	
1634-04-4	Methyltertiarybutylether	ND	79	ug/kg dry	50	08/27/15	B5H2705	8260	
91-20-3	Naphthalene	ND	400	ug/kg dry	50	08/27/15	B5H2705	8260	Х.
104-51-8	n-Butylbenzene	ND	79	ug/kg dry	50	08/27/15	B5H2705	8260	
103-65-1	n-Propylbenzene	ND:	79	ug/kg dry	50	08/27/15	B5H2705	8260	
95-47-6	o-Xylene	ND	79	ug/kg dry	50	08/27/15	B5H2705	8260	
9-87-6	p-Isopropyl toluene	ND	79	ug/kg dry	- 50	08/27/15	B5H2705	8260	
135-98-8	sec-Butylbenzene	ND	79	ug/kg dry	50	08/27/15	B5H2705	8260	242
100-42-5	Styrene	ND	79	ug/kg dry	50	08/27/15	B5H2705	8260	A
98-06-6	tert-Butylbenzene	ND	79	ug/kg dry	50	08/27/15	B5H2705	8260	A
75-65-0	tertiary Butyl Alcohol	ND	4000	ug/kg dry	50	08/27/15	B5H2705	8260	
994-05-8	tertiaryAmylmethylether '	ND	400	ug/kg dry	50	08/27/15	B5H2705	8260	
127-18-4	Tetrachloroethylene	ND	79	ug/kg dry	50	08/27/15	B5H2705	8260	
109-99-9	Tetrahydrofuran	ND	400	ug/kg dry	50	08/27/15	B5H2705	8260	the contract of the contract o
108-88-3	Toluene	ND	79	ug/kg dry	50	08/27/15	B5H2705	8260	
156-60-5	trans-1,2-Dichloroethylene	ND	79	ug/kg dry	50	08/27/15	B5H2705	8260	10.700.00000000000000000000000000000000
10061-02-6	trans-1,3-Dichloropropylene	ND	79	ug/kg dry	50	08/27/15	B5H2705	8260	
110-57-6	trans-1,4-Dichloro-2-butene	ND	400	ug/kg dry	50	08/27/15	B5H2705	8260	
79-01-6	Trichloroethylene	ND	79	ug/kg dry	50	08/27/15	B5H2705	8260	
75-69-4	Trichlorofluoromethane	ND	79	ug/kg dry	50	08/27/15	B5H2705	8260	
75-01-4	Vinyl chloride	ND:	79	ug/kg dry	50	08/27/15	B5H2705	8260	****
Surrogate: Bromofi	luorobenzene		138 %	40.3-19	94	08/27/15	B5H2705	8260	
Surrogate: Dibrom	ofluoromethan <mark>e</mark>		152 %	52.1-21	7	08/27/15	B5H2705	8260	
Surrogate: Toluene	-d8 ·		148 %	55.4-19	96	08/27/15	B5H2705	8260	**************************************



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

			740 ÎD. 130						
CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Semiv	olatiles							See II	ote Y20, Y25
120-82-1	1,2,4-Trichlorobenzene	ND	5100	ug/kg dry	- 1	09/08/15	B5H2808	8270	
95-95-4	2,4,5-Trichlorophenol	ND	8500	ug/kg dry	1	09/08/15	B5H2808	8270	
88-06-2	2,4,6-Trichlorophenol	ND	8500	ug/kg dry	1	09/08/15	B5H2808	8270	
120-83-2	2,4-Dichlorophenol	ND	8500	ug/kg dry	1	09/08/15	B5H2808	8270	,
105-67-9	2,4-Dimethylphenol	ND	8500	ug/kg dry	1	09/08/15	B5H2808	8270	
51-28-5	2,4-Dinitrophenol	ND	44000	ug/kg dry	1	09/08/15	B5H2808	8270	
121-14-2	2,4-Dinitrotoluene	ND .	6400	ug/kg dry	1	09/08/15	B5H2808	8270	
506-20-2	2,6-Dinitrotoluene	ND	6400	ug/kg dry	1	09/08/15	B5H2808	8270	
91-58-7	2-Chloronaphthalene	ND	5100	ug/kg dry	1	09/08/15	B5H2808	8270	
95-57-8	2-Chlorophenol	ND	8500	ug/kg dry	1	09/08/15	B5H2808	8270	**
534-52-1	2-Methyl-4,6-dinitrophenol	ND	44000	ug/kg dry	1	09/08/15	B5H2808	8270	
91-57-6	2-Methylnaphthalene	ND	6400	ug/kg dry	1	09/08/15	B5H2808	8270	
95-48-7	2-Methylphenol (o-Cresol)	ND	8500	ug/kg dry	1	09/08/15	B5H2808	8270	
88-74-4	2-Nitroaniline	ND	13000	ug/kg dry	1	09/08/15	B5H2808	8270	
88-75-5	2-Nitrophenol	ND	8500	ug/kg dry	1 .	09/08/15	B5H2808	8270	
108394,106445	3 & 4-Methylphenol	ND	17000	ug/kg dry	1	09/08/15	B5H2808	8270	
99-09-2	3-Nitroaniline	ND	13000	ug/kg dry	1	09/08/15	B5H2808	8270	`
101-55-3	4-Bromophenyl phenyl ether	ND	5100	ug/kg dry	1	09/08/15	B5H2808	8270	
59-50-7	4-Chloro-3-methyl-phenol	ND	5100	ug/kg dry	1	09/08/15	B5H2808	8270	
7005-72-3	4-Chlorodiphenylether	ND	2600	ug/kg dry	1	09/08/15	B5H2808	8270	
00-01-6	4-Nitroaniline	ND	13000	ug/kg dry	1	09/08/15	B5H2808	8270	
00-02-7	4-Nitrophenol	ND	44000	ug/kg dry	1	09/08/15	B5H2808	8270	
33-32-9	Acenaphthene	ND	2600	ug/kg dry	1	09/08/15	B5H2808	8270	
208-96-8	Acenaphthylene	ND	2600	ug/kg dry	1	09/08/15	B5H2808	8270	
20-12-7	Anthracene	ND	2600	ug/kg dry	1	09/08/15	B5H2808	8270	
03-33-3	Azobenzene	ND	5100	ug/kg dry	1	09/08/15	B5H2808	8270	
6-55-3	Benz[a]anthracene	1700	2600	ug/kg dry	1	09/08/15	B5H2808	8270	Т
50-32-8	Benzo[a]pyrene	ND	5100	ug/kg dry	1	09/08/15	B5H2808	8270	
205-99-2	Benzo[b]fluoranthene	2700	5100	ug/kg dry	1	09/08/15	B5H2808	8270	Ŧ
91-24-2	Benzo[g,h,i]perylene	ND	5100	ug/kg dry	1	09/08/15	B5H2808	8270	1
207-08-9	Benzo[k]fluoranthene	ND	5100	ug/kg dry	1	09/08/15	B5H2808	8270	
00-51-6	Benzyl Alcohol	ND	64000	ug/kg dry	1	09/08/15	B5H2808	8270	
11-91-1	Bis(2-chloroethoxy)methane	ND	5100	ug/kg dry	1	09/08/15	B5H2808	8270	
11-44-4	Bis(2-chloroethyl)ether	ND	2600	ug/kg dry	1	09/08/15	B5H2808	8270	
08-60-1	Bis(2-chloroisopropyl)ether	ND	2600	ug/kg dry	1	09/08/15	B5H2808	8270 8270	
17-81-7	Bis(2-ethylhexyl)phthalate	ND	6400	ug/kg dry	1	09/08/15	B5H2808	8270	
17-81-7 85-68-7	Butyl benzyl phthalate	ND	6400	ug/kg dry	1	09/08/15	B5H2808	8270	
6-74-8	Carbazole	ND	6400	ug/kg dry	1	09/08/15	B5H2808	8270 8270	
18-01-9	Chrysene		2600	ug/kg dry					-
3-70 - 3	Dibenz[a,h]anthracene	2100			1	09/08/15	B5H2808	8270	1
A CONTRACTOR OF THE PROPERTY O	**************************************	ND	5100	ug/kg dry	1	09/08/15	B5H2808	_ 8270	
132-64-9	Dibenzofuran	ND	6400	ug/kg dry	1	09/08/15	B5H2808	8270	



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

CAS#	Analyte	Result	. RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Sen	nivolatiles		·		_			See r	note Y20, Y25
84-66-2	Diethylphthalate	ND	6400	ug/kg dry	1	09/08/15	B5H2808	8270	
131-11-3	Dimethyl phthalate	ND	6400	ug/kg dry	1	09/08/15	B5H2808	8270	
84-74-2	Di-n-butyl phthalate	ND	6400	ug/kg dry	1	09/08/15	B5H2808	8270	
117-84-0	Di-n-octyl phthalate	ND	6400	ug/kg dry	1.00	09/08/15	B5H2808	8270	
206-44-0	Fluoranthene	3400	2600	ug/kg dry	1	09/08/15	B5H2808	8270	e waare en kaard aandere bescheel, as gebage
86-73-7	Fluorene	ND	2600	ug/kg dry	1	09/08/15	B5H2808	- 8270	
118 -74 -1	Hexachlorobenzene	ND	5100	ug/kg dry	1	09/08/15	B5H2808	8270	
87-68-3	Hexachlorobutadiene	ND.	2600	ug/kg dry	1	09/08/15	B5H2808	8270	
77-47-4	Hexachlorocyclopentadiene	ND	26000	ug/kg dry	1	09/08/15	B5H2808	8270	A
67-72-1	Hexachloroethane	ND	2600	ug/kġ dry	1	09/08/15	B5H2808	8270	
193-39-5	Indeno(1,2,3-c,d)pyrene	ND	5100	ug/kg dry	1	09/08/15	B5H2808	8270	
78-59-1	Isophorone	ND	2600	ug/kg dry	1	09/08/15	B5H2808	8270	
91-20-3	Naphthalene	ND	2600	ug/kg dry	1	09/08/15	B5H2808	8270	
98-95-3	Nitrobenzene	ND.	5100	ug/kg dry	1	09/08/15	B5H2808	8270	
67-75-9	N-Nitrosodimethylamine	ND	6400	ug/kg dry	1 .	09/08/15	B5H2808	8270	
21-64-7	N-Nitrosodi-n-propylamine	: ND	5100	ug/kg dry	1	09/08/15	B5H2808	8270	
./6-30-6	N-Nitrosodiphenylamine	ND	5100	ug/kg dry	1	09/08/15	B5H2808	8270	tion, visito viillaliteiseeliseeteksis
87-86-5	Pentachlorophenol	ND	44000	ug/kg dry	1	09/08/15	B5H2808	8270	
85-01-8	Phenanthrene	1800	2600	ug/kg dry	1	09/08/15	B5H2808	8270	T
108-95-2	Phenol	ND	8500	ug/kg dry	1	09/08/15	B5H2808	8270	
129-00-0	Pyrene	3600	2600	ug/kg dry	1	09/08/15	B5H2808	8270	
	ribromophenol	Not	Applicable	20:3-11	5	09/08/15	B5H2808	8270	<i>V</i>
Surrogate: 2-Fluo	robiphenyl	Not	Applicable	32.9-11	5	09/08/15	B5H2808	8270	V
Surrogate: 2-Fluo	rophenol	Noi	Applicable	23.7-11	5	09/08/15	B5H2808	8270	γ
Surrogate: Nitrobe	enzene-d5		Applicable	31.8-11	5	09/08/15	B5H2808	8270	V
Surrogate: Phenol	-d6	demonstration of the second	Applicable	29.3-11	2000	09/08/15	B5H2808	8270	, V
Surrogate: p-Terpi		ini. 1862,988809,iii askai	Applicable	38.5-11		09/08/15	B5H2808	8270	V



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	OC Batch	Method	Qualifier
		Result		Ontis	Dituiton	/	- QC Dates	Method	
Organics-Pesti									See note Y20
789-02-6	2,4'-DDT	70	51	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
72-54-8	4,4'-DDD	200	51	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
72-55-9	4,4'-DDE	200	51	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
50-29-3	4,4'-DDT	270	51	ug/kg dry	1.	09/09/15	B5H3117	8081/8082	
319-84-6	a-BHC	ND	26	ug/kg dry	. 1	09/09/15	B5H3117	8081/8082	
5103-71-9	a-Chlordane	ND	51	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
309-00-2	Aldrin	ND	51	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
319-85-7	b-BHC	, ND	51	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
319-86-8	d-BHC	ND	51	ug/kg dry	l	09/09/15	B5H3117	8081/8082	179
60-57-1	Dieldrin	ND	51	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
959-98-8	Endosulfan I	ND	51	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
33213-65-9	Endosulfan II	ND ·	51	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
1031-07-8	Endosulfan sulfate	ND	51	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
72-20-8	Endrin	ND	51	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
7421-93-4	Endrin aldehyde	ND	51	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
53494-70-5	Endrin ketone	ND	51	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
58-89-9	g-BHC (Lindane)	ND	51	ug/kg dry	I	09/09/15	B5H3117	8081/8082	\$
5103-74-2	g-Chlordane	ND	51	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
76-44-8	Heptachlor	ND	51	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
1024-57-3	Heptachlor epoxide	ND	51	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
87-82-1	Hexabromobenzene	ND	260	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
72-43-5	Methoxychlor	ND	130	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
2385-85-5	Mirex	ND	130	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
59080-40-9	PBB (BP-6)	ND	640	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
8001-35-2	Toxaphene	ND	440	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
Surrogate: Decachl	orobiphenyl	<u> </u>	51.1 %	30-150		09/09/15	B5H3117	8081/8082	our : 200 gan (1990 gan gan gan gan gan gan gan gan gan gan
Surrogate: Tetrachle	oro-m-xylene		60.4%	30-150		09/09/15	B5H3117	8081/8082	



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

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CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifie
Organics-PCB	s as Aroclors		-						See note Y2
12674-11-2	Aroclor 1016	ND	260	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
11104-28-2	Aroclor 1221	ND	260	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
11141-16-5	Aroclor 1232	ND	260	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
53469-21-9	Aroclor 1242	ND	260	ug/kg dry	1.	09/09/15	B5H3117	8081/8082	
12672-29-6	Aroclor 1248	ND	260	ug/kg dry	1 /	09/09/15	B5H3117	8081/8082	
11097-69-1	Aroclor 1254	ND	260	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
11096-82-5	Aroclor 1260	ND	260	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
37324 - 23-5	Aroclor 1262	ND	260	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
11100-14-4	Aroclor 1268	ND	260	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
Surrogate: Decach	lorobiphenyl		51.1 %	30-15	0	09/09/15	B5H3117	8081/8082	
Surrogate: Tetrachi	loro-m-xylene		60.4 %	30-15)	09/09/15	B5H3117	8081/8082	
Inorganics-Ge	neral Chemistry	·							
TS	% Total Solids	78.0	0.1	%	1	08/27/15	B5H2709	2540 B	
57-12-5	Total Cyanide	0.41	0.13	mg/kg dry	1	09/03/15	B5I0207	ASTM D7284	
norganics-Me								-	
7440-36-0	Antimony	1.7	0:3	mg/kg dry	. 10	09/08/15	B5H3103	6020/200.8	
7440-38-2	Arsenic	5. 9	5.0			09/04/15			
	"The community of the c			mg/kg dry	100		B5I0101	6020/200.8	
7440-39-3 7440-41-7	Barium	130	1.0	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	
	Beryllium	ND	2.0	mg/kg dry	100	09/04/15	B510101	6020/200.8	
7440-43-9	Cadmium	1.1	0.2	mg/kg.dry.	10	09/04/15	B5I0101	6020/200.8	
7440-47-3	Calant	40	20 5.0	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	
7440-48-4	Cobalt	ND	5.0	mg/kg dry	100	09/04/15	B510101	6020/200.8	
7440-50-8	Copper	58	10	mg/kg dry	C. St. Marketon Co.	09/04/15	B5I0101	6020/200.8	
7439-89-6	Tron	16000	5.0	mg/kg dry	10	09/11/15	B5I0101	6010/200.7	A09
7439-92-1	Lead	240	1.0	mg/kg dry	10	09/04/15	B5I0101	6020/200.8	
7439-96-5	Manganese	340	10	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	
7439-97-6	Mercury	0.1	0.06	mg/kg dry	1	09/03/15	B5I0204	7471/245.5	en managan taka sakab
7439-98-7	Molybdenum	2.1	1.0	mg/kg dry	10	09/04/15	B510101	6020/200.8	A09
7440-02-0	Nickel	17	10	mg/kg dry	100	09/04/15	B510101	6020/200.8	
7782-49-2	Selenium	ND	2:0	mg/kg dry	100	09/04/15	B510101	6020/200.8	
7440-22-4	Silver	0.6	0.1	mg/kg dry	10	09/04/15	B5I0101	6020/200.8	
7440-28-0	Thallium	ND	0,5	mg/kg dry	10	09/04/15	B5[0101	6020/200.8	
7440-62-2	Vanadium	19	10	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	
7440-66-6	Zinc	230	10	mg/kg dry	100	09/04/15	B510101	6020/200.8	



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9-00

CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Volat									
630-20-6	1,1,1,2-Tetrachloroethane	ND	83	ug/kg dry	50	08/28/15	B5H2803	8260	
71-55-6	1,1,1-Trichloroethane	ND	83	ug/kg dry	50	08/28/15	B5H2803	8260	
79-34-5	1,1,2,2-Tetrachloroethane	ND	83	ug/kg dry	50	08/28/15	B5H2803	8260	
79-00-5	1,1,2-Trichloroethane	ND-	83	ug/kg dry	50	08/28/15	B5H2803	8260	
75-34-3	1,1-Dichloroethane	ND	83	ug/kg dry	50	08/28/15	B5H2803	8260	ki kiristi mendidukan dinerki ini silini Piki I
75-35-4	1,1-Dichloroethylene	ND	83	ug/kg dry	. 50	08/28/15	B5H2803	8260	
87-61 - 6	1,2,3-Trichlorobenzene	ND	410	ug/kg dry	50	08/28/15	B5H2803	8260	
96-18-4	1,2,3-Trichloropropane	ND	83	ug/kg dry	50	08/28/15	B5H2803	8260	
526-73-8	1,2,3-Trimethylbenzene	ND	83	ug/kg dry	50	08/28/15	B5H2803	8260	
120-82-1	1,2,4-Trichlorobenzene	.ND	410	ug/kg dry	50	08/28/15	B5H2803	8260	
95-63-6	1,2,4-Trimethylbenzene	ND	83	ug/kg dry	50	08/28/15	B5H2803	8260	in an annual and an an annual and an annual an a
96-12-8	1,2-Dibromo-3-chloropropane	ND	410	ug/kg dry	50	08/28/15	B5H2803	8260	
106-93-4	1,2-Dibromoethane	ND	83	ug/kg dry	50	08/28/15	B5H2803	8260	•
95-50-1	1,2-Dichlorobenzene	ND	. 83	ug/kg dry	50	08/28/15	B5H2803	8260	
107-06-2	1,2-Dichloroethane	ND	83	ug/kg dry	50	08/28/15	B5H2803	8260	544.7512.1.1.144.444.000000000000000000
8-87-5	1,2-Dichloropropane	ND	83	ug/kg dry	50	08/28/15	B5H2803	8260	7***
08-67-8	1,3,5-Trimethylbenzene	ND	83	ug/kg dry	50	08/28/15	B5H2803	8260	(
541-73-1	1,3-Dichlorobenzene	ND	. 83	ug/kg dry	50	08/28/15	B5H2803	8260	
106-46-7	1,4-Dichlorobenzene	ND	83	ug/kg dry	. 50	08/28/15	B5H2803	8260	,
78-93-3	2-Butanone (MEK)	ND	410	ug/kg dry	50	08/28/15	B5H2803	8260	
591-78-6	2-Hexanone	ND	410	ug/kg dry	50	08/28/15	B5H2803	8260	
01-57-6	2-Methylnaphthalene	ND	410	ug/kg dry	50	08/28/15	B5H2803	8260	X
67-64-1	2-Propanone (acetone)	ND	1700	ug/kg dry	50	08/28/15	B5H2803	8260	
08-10-1	4-Methyl-2-pentanone (MIBK)	ND	410	ug/kg dry	50	08/28/15	B5H2803	8260	
107-13-1	Acrylonitrile	ND	410	ug/kg dry	50	08/28/15	B5H2803	8260	
71-43-2	Benzene	ND .	83	ug/kg dry	50	08/28/15	B5H2803	8260	
108-86-1	Bromobenzene	ND	83	ug/kg dry	50	08/28/15	B5H2803	8260	(((///////////////////////////////////
74-97-5	Bromochloromethane	ND	83	ug/kg dry	50	08/28/15	B5H2803	8260	7.7
75-27-4	Bromodichloromethane	· ND	83	ug/kg dry	50	08/28/15	B5H2803	8260	
75-25-2	Bromoform	ND	83	ug/kg dry	50	08/28/15	B5H2803	8260	
74 - 83-9	Bromomethane	ND	410	ug/kg dry	50	08/28/15	B5H2803	8260	
75-15-0	Carbon disulfide	ND	83	ug/kg dry	50	08/28/15	B5H2803	8260	
56-23-5	Carbon tetrachloride	ND	83	ug/kg dry	50	08/28/15	B5H2803	8260	······
108-90-7	Chlorobenzene	- ND	83	ug/kg dry	50	08/28/15	B5H2803	8260	
75-00-3	Chloroethane	ND	410	ug/kg dry	- 50	08/28/15	B5H2803	8260	
67-66-3	Chloroform	ND	83	ug/kg dry	50	08/28/15	B5H2803	8260	
74-87 - 3	Chloromethane	ND	410	ug/kg dry	50	08/28/15	B5H2803	8260	
156-59-2	cis-1,2-Dichloroethylene	ND :	83	ug/kg dry	50	08/28/15	B5H2803	8260	
10061-01-5	cis-1,3-Dichloropropylene	ND	83	ug/kg dry	50	08/28/15	B5H2803	8260	no a construir de la construir de la construir de la construir de la construir de la construir de la construir
110-82-7	Cyclohexane	ND	410	ug/kg dry	50	08/28/15	B5H2803	8260	
124-48-1	Dibromochloromethane	ND	83	ug/kg dry	50	08/28/15	B5H2803	8260	orana daga si badda qasab biriddigt



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
L			KL .					Wiedlod	- Qualities
Organics-Vola	tiles								
74-95-3	Dibromomethane	ND	83	ug/kg dry	50	08/28/15	B5H2803	8260	
75-71-8	Dichlorodifluoromethane	ND	410	ug/kg dry	50	08/28/15	B5H2803	8260	vvv 1702 10 1704 10 10 10 10 10 10 10 10 10 10 10 10 10
60-29-7	Diethyl ether	ND	410	ug/kg dry	50	08/28/15	B5H2803	8260	
108-20-3	Diisopropyl Ether	ND	410	ug/kg dry	50	08/28/15	B5H2803	8260	-
100-41-4	Ethylbenzene	ND	83	ug/kg dry	50	08/28/15	B5H2803	8260	
637-92-3	Ethyltertiarybutylether	ND	410	ug/kg dry	50	08/28/15	B5H2803	8260	
67-72-1	Hexachloroethane	ND	410	ug/kg dry	50	08/28/15	B5H2803	8260	
98-82-8	Isopropylbenzene	ND	83	ug/kg dry	50	08/28/15	B5H2803	8260	-
1330-20-7	m & p - Xylene	ND	170	ug/kg dry	50 -	08/28/15	B5H2803	8260	
74-88-4	Methyl iodide	ND	83	ug/kg dry	50	08/28/15	B5H2803	8260	
75-09-2	Methylene chloride	ND	410	ug/kg dry	50	08/28/15	B5H2803	8260	
1634-04-4	Methyltertiarybutylether	ND	83	ug/kg dry	50	08/28/15	B5H2803	8260	
91-20-3	Naphthalene	ND	410	ug/kg dry	50	08/28/15	B5H2803	8260	X
104-51-8	n-Butylbenzene	ND	83	ug/kg dry	50	08/28/15	B5H2803	8260	
103-65-1	n-Propylbenzene	ND	83	ug/kg dry	50	08/28/15	B5H2803	8260	
^5-47-6	o-Xylene	ND	83	ug/kg dry	50	08/28/15	B5H2803	8260	
9-87-6	p-Isopropyl toluene	ND	83	ug/kg dry	50	08/28/15	B5H2803	8260	
135-98-8	sec-Butylbenzene	ND .	83	ug/kg dry	50	08/28/15	B5H2803	8260	
100-42-5	Styrene	ND	83.	ug/kg dry	50	08/28/15	B5H2803	8260	
98-06-6	tert-Butylbenzene	ND	83	ug/kg dry	50	08/28/15	B5H2803	8260	
75-65-0	tertiary Butyl Alcohol	ND	4100	ug/kg dry	50	08/28/15	B5H2803	8260	
994-05-8	tertiaryAmylmethylether	ND ·	410	ug/kg dry	50	08/28/15	B5H2803	8260	<
127-18-4	Tetrachloroethylene	ND	83	ug/kg dry	50	08/28/15	B5H2803	8260	
109-99-9	Tetrahydrofuran ·	ND	410	ug/kg dry	50	08/28/15	B5H2803	8260	
108-88-3	Toluene	ND	83	ug/kg dry	50	08/28/15	B5H2803	8260	
156-60-5	trans-1,2-Dichloroethylene	ND	83	ug/kg dry	50	08/28/15	B5H2803	8260	
10061-02-6	trans-1,3-Dichloropropylene	ND	83	ug/kg dry	50	08/28/15	B5H2803	8260	
110-57-6	trans-1,4-Dichloro-2-butene	ND	410	ug/kg dry	50	08/28/15	B5H2803	8260	
79-01-6	Trichloroethylene	ND	83	ug/kg dry	50	08/28/15	B5H2803	8260	
75-69-4	Trichlorofluoromethane	ND	83	ug/kg dry	50	08/28/15	B5H2803	8260	
75-01-4	Vinyl chloride	ND	83	ug/kg dry	50	08/28/15	B5H2803	8260	
Surrogate: Bromof	luorobenzene		143 %	40.3-19	14	08/28/15	B5H2803	8260	
Surrogate: Dibrom	ofluoromethane		151%	52,1-21	7	08/28/15	B5H2803	8260	
Surrogate: Toluene	e-d8	-	148 %	55.4-19	6	08/28/15	B5H2803	8260	



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Semive	olatiles		-					See n	ote Y20, Y25
120-82-1	1,2,4-Trichlorobenzene	ND:	. 5200	ug/kg dry	I	09/08/15	B5H2808	8270	
95-95-4	2,4,5-Trichlorophenol	ND '	8700	ug/kg dry	1	09/08/15	B5H2808	8270	
88-06-2	2,4,6-Trichlorophenol	ND	8700	ug/kg dry	1 -	09/08/15	B5H2808	8270	
120-83-2	2,4-Dichlorophenol	ND	8700	ug/kg dry	1	09/08/15	B5H2808	8270	
105-67-9	2,4-Dimethylphenol	ND	8700	ug/kg dry	1	09/08/15	B5H2808	8270	
51-28-5	2,4-Dinitrophenol	ND	45000	ug/kg dry	1	09/08/15	B5H2808	8270	
121-14-2	2,4-Dinitrotoluene	ND	6600	ug/kg dry	1	09/08/15	B5H2808	8270	
606-20-2	2,6-Dinitrotoluene	ND	6600	ug/kg dry	1	09/08/15	B5H2808	8270	
91-58-7	2-Chloronaphthalene	ND	5200	ug/kg dry	1	09/08/15	B5H2808	8270	
95-57-8	2-Chlorophenol	ND	8700	ug/kg dry	1	09/08/15	B5H2808	8270	### TO THE PROPERTY OF THE PRO
534-52-1	2-Methyl-4,6-dinitrophenol	, ND	45000	ug/kg dry	1	09/08/15	B5H2808	8270	
91 - 57-6	2-Methylnaphthalene	ND	6600	ug/kg dry	1	09/08/15	B5H2808	8270	
95-48-7	2-Methylphenol (o-Cresol)	ND	8700	ug/kg dry	1	09/08/15	B5H2808	8270	
88-74-4	2-Nitroaniline	ND	13000	ug/kg dry	I	09/08/15	B5H2808	8270	······································
88-75-5	2-Nitrophenol	ND	8700	ug/kg dry	1	09/08/15	B5H2808	8270	
108394,106445	3 & 4-Methylphenol	ND	17000	ug/kg dry	1	09/08/15	B5H2808	8270	
99-09-2	3-Nitroaniline	ND	13000	ug/kg dry	1	09/08/15	B5H2808	8270	
101-55-3	4-Bromophenyl phenyl ether	ND	5200	ug/kg dry	1	09/08/15	B5H2808	8270	
59-50-7	4-Chloro-3-methyl-phenol	ND	5200	ug/kg dry	1	09/08/15	B5H2808	8270	
7005-72-3	4-Chlorodiphenylether	ND	2600	ug/kg dry	1	09/08/15	B5H2808	8270	
100-01-6	4-Nitroaniline	ND	13000	ug/kg dry	1	09/08/15	B5H2808	8270	
100-02-7	4-Nitrophenol	ND	45000	ug/kg dry	1	09/08/15	B5H2808	8270	
83-32-9	Acenaphthene	ND	2600	ug/kg dry	1	09/08/15	B5H2808	8270	
208-96-8	Acenaphthylene	ND	2600	ug/kg dry	1	09/08/15	B5H2808	8270	
120-12-7	Anthracene	ND	2600	ug/kg dry	1	09/08/15	B5H2808	8270	
103-33-3	Azobenzene	ND	5200	ug/kg dry	1	09/08/15	B5H2808	8270	Education Statement and Section 1975
56-55-3	Benz[a]anthracene	4100	2600	ug/kg dry	1	09/08/15	B5H2808	8270	
50-32-8	Benzo[a]pyrene	ND	5200	ug/kg dry	1	09/08/15	B5H2808	8270	er en en en en en en en en en en en en en
205-99-2	Benzo[b]fluoranthene	5900	5200	ug/kg dry	1	09/08/15	B5H2808	8270	
191-24 - 2	Benzo[g,h,i]perylene	ND	5200	ug/kg dry	1	09/08/15	B5H2808	8270	
207-08-9	Benzo[k]fluoranthene	ND	5200	ug/kg dry	1	09/08/15	B5H2808	8270	
100-51-6	Benzyl Alcohol	ND	66000	ug/kg dry	1	09/08/15	B5H2808	8270	
111-91-1	Bis(2-chloroethoxy)methane	ND	5200	ug/kg dry	1	09/08/15	B5H2808	8270	
111-44-4	Bis(2-chloroethyl)ether	ND	2600	ug/kg dry	1	09/08/15	B5H2808	8270	
108-60-1	Bis(2-chloroisopropyl)ether	ND	2600	ug/kg dry	1	09/08/15	B5H2808	8270	
117-81-7	Bis(2-ethylhexyl)phthalate	ND	6600	ug/kg dry	1	09/08/15-	and the second s	8270	
85-68-7	Butyl benzyl phthalate	ND	6600	ug/kg dry	1	09/08/15	B5H2808	8270	
86-74-8	Carbazole	ND	6600	ug/kg dry	1	09/08/15	B5H2808	8270	
218-01 - 9	Chrysene	4900	2600	ug/kg dry	1	09/08/15	B5H2808	8270	
Marine and the Marine Marine (Dibenz[a,h]anthracene	4900 ND	5200	ug/kg dry	1	09/08/15	B5H2808	8270	
53-70-3	A consideration of the constant of the constan		6600	and the second of the second o	1	09/08/15	B5H2808	8270 8270	
132-64-9	Dibenzofuran	ND		ug/kg dry	1	03/00/13	DJ11Z0U0	04/0	



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Sem	ivolatiles								See note Y20, Y25
84-66-2	Diethylphthalate	ND	6600	ug/kg dry	1	09/08/15	B5H2808	8270	
131-11-3	Dimethyl phthalate	ND	6600	ug/kg dry	1	09/08/15	B5H2808	8270	
84-74-2	Di-n-butyl phthalate	ND	6600	ug/kg dry	1 ^	09/08/15	B5H2808	8270	a eminado em esta medicionario, estre in medicionario de esta esta esta esta esta esta esta est
117-84-0	Di-n-octyl phthalate	ND	6600	ug/kg dry	. 1	09/08/15	B5H2808	8270	
206-44-0	Fluoranthene	7800	2600	ug/kg dry	1	09/08/15	B5H2808	8270	000000 000000000000000000000000000000
86-73-7	Fluorene	ND	2600	ug/kg dry	1	09/08/15	B5H2808	8270	
118-74-1	Hexachlorobenzene	ND	5200	ug/kg dry	1	09/08/15	B5H2808	8270	
87-68-3	Hexachlorobutadiene	ND	2600	ug/kg dry	1	09/08/15	B5H2808	8270	
77-47-4	Hexachlorocyclopentadiene	ND	26000	ug/kg dry	I	09/08/15	B5H2808	8270	energi madi madi madi madi madi madi madi mad
67-72-1	Hexachloroethane	ND .	2600	ug/kg dry	1.	09/08/15	B5H2808	8270	
193-39-5	Indeno(1,2,3-c,d)pyrene	ND	5200	ug/kg dry	1	09/08/15	B5H2808	8270	era in arababa era nasella el la la la la la la la la la la la la la
78-59-1	Isophorone	ND	2600	ug/kg dry	1	09/08/15	B5H2808	8270	
91-20-3	Naphthalene	ND	2600	ug/kg dry	1	09/08/15	B5H2808	8270	
98-95-3	Nitrobenzene	ND	5200	ug/kg dry	1	09/08/15	B5H2808	8270	
67-75-9	N-Nitrosodimethylamine	ND	6600	ug/kg dry	1	09/08/15	B5H2808	. 8270	
(21-64-7	N-Nitrosodi-n-propylamine	ND	5200	ug/kg dry	1	09/08/15	B5H2808	8270	
5-30-6	N-Nitrosodiphenylamine	ND	5200	ug/kg dry	1	09/08/15	B5H2808	8270	
87-86-5	Pentachlorophenol	ND	45000	ug/kg dry	1	09/08/15	B5H2808	8270	
85-01-8	Phenanthrene	4400	2600	ug/kg dry	1	09/08/15	B5H2808	8270	
108-95-2	Phenol .	ND	8700	ug/kg dry	10.1	09/08/15	B5H2808	8270	
129-00-0	Pyrene	8900	2600	ug/kg dry	1	09/08/15	B5H2808	8270	ne - nemeni est estatole am la tele la telesta de la telesta de la telesta de la telesta de la telesta de la te
Surrogate: 2,4,6-1	ribromophenol	No	Applicable	20.3-11	5	09/08/15	B5H2808	8270	ν
Surrogate: 2-Fluo	obiphenyl	Noi	Applicable	32.9-11	5	09/08/15	B5H2808	8270	V
Surrogate: 2-Fluo	ophenol	No	Applicable	23.7-11	5	09/08/15	B5H2808	8270	V
Surrogate: Nitrobe	nzene-d5		Applicable	31.8-11	5	09/08/15	B5H2808	8270	V
Surrogate: Phenol	-d6		Applicable	29.3-11	5	09/08/15	B5H2808	8270	· · · · · · · · · · · · · · · · · · ·
Surrogate: p-Terpi	nenyl-d14		Applicable	38.5-11	5	09/08/15	B5H2808	8270	v



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Pesti	cides					,			See note Y20
789-02-6	2,4'-DDT	72	52	ug/kg dry	1	09/09/15	B5H3117	8081/8082	4
72-54-8	4,4'-DDD	210	52	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
72-55-9	4,4'-DDE	250	52	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
50-29-3	4,4'-DDT	320	52	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
319-84-6	a-BHC	ND	26	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
5103-71-9	a-Chlordane	ND	52	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
309-00-2	Aldrin	ND	52	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
319-85-7	b-BHC	ND	52	'ug/kg dry	1	09/09/15	B5H3117 ·	8081/8082	***************************************
319-86-8	d-BHC	ND	52	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
60-57-1	Dieldrin	ND	52	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
959-98-8	Endosulfan I	ND	52	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
33213-65-9	Endosulfan II	ND	52	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
1031-07-8	Endosulfan sulfate	ND	52	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
72-20-8	Endrin	, ND	52	ug/kg dry	1	09/09/15	B5H3117	8081/8082	***************************************
7421-93-4	Endrin aldehyde	ND	.52	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
53494-70-5	Endrin ketone	ND	52	ug/kg dry	-1	09/09/15	B5H3117	8081/8082	,,
58-89-9	g-BHC (Lindane)	ND	52	ug/kg dry	1	09/09/15	B5H3117	8081/8082	The same of the sa
5103-74-2	g-Chlordane	ND	52	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
76-44-8	Heptachlor	ND	52	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
1024-57-3	Heptachlor epoxide	ND	52	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
87-82-1	Hexabromobenzene	ND	260	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
72-43-5	Methoxychlor	ND	130	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
2385-85-5	Mirex	ND -	130	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
59080-40-9	PBB (BP-6)	- ND	660	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
8001-35-2	Toxaphene	ND	450	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
Surrogate: Decachl	orobiphenyl		57.2 %	30-15	0	09/09/15	B5H3117	8081/8082	
Surrogate: Tetrachl	oro-m-xylene		67.4%	30-15	0	09/09/15	B5H3117	8081/8082	



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

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CAS#	Analyte -	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-PCB	s as Aroclors								See note Y20
12674-11-2	Aroclor 1016	ND	260	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
11104-28-2	Aroclor 1221	ND	260	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
11141-16-5	Aroclor 1232	ND	260	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
53469-21-9	Aroclor 1242	ND	260	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
12672-29-6	Aroclor 1248	····· ND	260	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
11097-69-1	Aroclor 1254	ND	260 -	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
11096-82-5	Aroclor 1260	· ND	260	ug/kg dry	1	09/09/15	B5H3117	8081/8082	-
37324-23-5	Aroclor 1262	ND :	260	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
11100-14-4	Aroclor 1268	· ND	260	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
Surrogate: Decach	lorobiphenyl		57.2 %	30-15	0	09/09/15	B5H3117	8081/8082	
Surrogate: Tetrachi	loro-m-xylene		67.4 %	30 -15	9	09/09/15	B5H3117	8081/8082	
Inorganics-Ge	neral Chemistry								
TS	% Total Solids	76.2	0.1	%	1	08/27/15	B5H2709	2540 B	
57-12-5	Total Cyanide	0.39	0.13	mg/kg dry	1	09/03/15	B5I0207	ASTM D7284	
organics-Me	etals							-	
:440-36-0	Antimony	1.1	0.3	mg/kg dry	- 10	09/08/15	B5H3103	6020/200.8	
7440-38-2	Arsenic	5.7	5.0	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	
7440-39-3	Barium	130	1.0	mg/kg dry	10	09/04/15	B5I0101	6020/200.8	
7440-41-7	Beryllium	· ND	2.0	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	,
7440-43-9	Cadmium	0.9	0.2	mg/kg.dry	10	09/04/15	B5I0101	6020/200:8	
7440-47-3	Chromium	ND	20	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	
7440-48-4	Cobalt	ND	5.0	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	
7440-50-8	Copper	46	10	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	A
7439-89-6	Iron	14000	5.0	mg/kg dry	10	09/11/15	B510101	6010/200.7	A09
7439-92-1	Lead	190	1.0	mg/kg dry	10	09/04/15	.B5I0101	6020/200.8	
7439-96-5	Manganese	250	10	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	
7439-97-6	Mercury	0.1	0.07	mg/kg dry	1	09/03/15	B5I0204	7471/245,5	
7439-98-7	Molybdenum	1.5	1.0	mg/kg dry	10	09/04/15	B5I0101	6020/200.8	A09
7440-02-0	Nickel	15	10	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	
7782-49-2	Selenium	ND	2.0	mg/kg dry	100	09/04/15	B510101	6020/200.8	
7440-22-4	Silver	. 0.6	0.1	mg/kg dry	10	09/04/15	B5I0101	6020/200.8	
7440-28-0	Thallium	ND	0.5	mg/kg dry	10	09/04/15	B510101	6020/200.8	•
7440-62-2	Vanadium	17	10	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	
7440-66-6	Zinc	200	±10	mg/kg dry	100	09/04/15	B510101	6020/200.8	
		400	uren editatik	g.ng.ury	1,00		5210101	0020/200.8	



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9622

CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Vol	atiles					,			
630-20-6	1,1,1,2-Tetrachloroethane	ND	96-	ug/kg dry	50	08/28/15	B5H2803	8260	
71-55-6	I,l,l-Trichloroethane	ND	96	ug/kg dry	50	08/28/15	B5H2803	8260	
79-34-5	1,1,2,2-Tetrachloroethane	ND	96	ug/kg dry	50	08/28/15	B5H2803	8260	
79-00-5	1,1,2-Trichloroethane	ND	96	ug/kg dry	50	08/28/15	B5H2803	8260	
75-34-3	1,1-Dichloroethane	ND	96	ug/kg dry	50	08/28/15	B5H2803	8260	
75-35-4	1,1-Dichloroethylene	ND	96	ug/kg dry	50	08/28/15	B5H2803	8260	
87-61-6	1,2,3-Trichlorobenzene	ND	480	ug/kg dry	50	08/28/15	B5H2803	8260	
96-18-4	1,2,3-Trichloropropane	ND	96	ug/kg dry	50	08/28/15	B5H2803	8260	
526-73-8	1,2,3-Trimethylbenzene	ND	96	ug/kg dry	50	08/28/15	B5H2803	8260	
120-82-1	1,2,4-Trichlorobenzene	ND	480	ug/kg dry	50	08/28/15	B5H2803	8260	
95-63-6	1,2,4-Trimethylbenzene	ND	96	ug/kg dry	50	08/28/15	B5H2803	8260	
96-12-8	1,2-Dibromo-3-chloropropane	ND	480	ug/kg dry	50	08/28/15	B5H2803	8260	
106-93-4	1,2-Dibromoethane	ND	96	ug/kg dry	50	08/28/15	B5H2803	8260	
95-50-1	1.2-Dichlorobenzene	ND	96	ug/kg dry	50	08/28/15	B5H2803	8260	
107-06-2	1,2-Dichloroethane	ND	96	ug/kg dry	50	08/28/15	B5H2803	8260	
78-87-5	1,2-Dichloropropane	ND	96	ug/kg dry	50	08/28/15	B5H2803	8260	
108-67-8	1,3,5-Trimethylbenzene	ND	96	ug/kg dry	50	08/28/15	B5H2803	8260	
541-73-1	1,3-Dichlorobenzene	ND	96	ug/kg dry	50	08/28/15	B5H2803	8260	
106-46-7	1,4-Dichlorobenzene	ND	96	ug/kg dry	50	08/28/15	B5H2803	8260	
78-93-3	2-Butanone (MEK)	ND	480	ug/kg dry	50	08/28/15	B5H2803	8260	
591-78-6	2-Hexanone	ND	480	ug/kg dry	50	08/28/15	B5H2803	8260	
91-57-6	2-Methylnaphthalene	ND"	480	ug/kg dry	50	08/28/15	B5H2803	8260	Х
67 - 64-1	2-Propanone (acetone)	ND	1900	ug/kg dry	50	08/28/15	B5H2803	8260	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	480	ug/kg dry	50	08/28/15	B5H2803	8260	
107-13-1	Acrylonitrile	ND	480	ug/kg dry	50	08/28/15	B5H2803	8260	
71-43-2	Benzene	ND	96	ug/kg dry	50	08/28/15	B5H2803	8260	
108-86-1	Bromobenzene	ND	96	ug/kg dry	50	08/28/15	B5H2803	8260	
74-97-5	Bromochloromethane	ND	96	ug/kg dry	50	08/28/15	B5H2803	8260	
75-27-4	Bromodichloromethane	ND	96	ug/kg dry	50	08/28/15	B5H2803	8260	
75-25-2	Bromoform	ND	96	ug/kg dry	50	08/28/15	B5H2803	8260	
74-83-9	Bromomethane	ND	480	ug/kg dry	50	08/28/15	B5H2803	8260	
75-15-0	Carbon disulfide	ND	96	ug/kg dry	50	08/28/15	B5H2803	8260	
56-23-5	Carbon tetrachloride	ND	96	ug/kg dry	50	08/28/15	B5H2803	8260	
108-90-7	Chlorobenzene	ND	96	ug/kg dry	50	08/28/15	B5H2803	8260	
75-00-3	Chloroethane	ND	480	ug/kg dry	50	08/28/15	B5H2803	8260	
67-66-3	Chloroform	ND ND	96	ug/kg dry	50	08/28/15	B5H2803	8260	
74-87-3	Chloromethane	ND	480	ug/kg dry	50	08/28/15	B5H2803	8260	
156-59-2	cis-1,2-Dichloroethylene	ND ND	96	ug/kg dry ug/kg dry	50	08/28/15		The state of the s	
10061-01-5	cis-1,3-Dichloropropylene	\$1.5 L. 18 10 A. R. W. S. W. W. S. W	25.858.00,000.00	\$1.000,000,000,000,000,000,000,000,000,00	CALLED THE CALLED TO SERVICE	08/28/15	B5H2803 B5H2803	8260 8260	
and the second second second section and the second section second section second section second section second		ND ND	96	ug/kg dry	50	and the second second		8260	
110-82-7	Cyclonexane	ND	480	ug/kg dry	50	08/28/15	B5H2803	8260	
12 4-48- I	Dibromochloromethane	ND	96	ug/kg dry	50	08/28/15	B5H2803	8260	



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	OC Batch	Method	Qualifier
Organics-Vola	·				Ditation			Wicdiod	· Quantitor
74-95-3	Dibromomethane	ND		ug/kg dry	50	08/28/15	B5H2803	8260	
75-71-8	Dichlorodifluoromethane	ND	480	ug/kg dry	50 50	08/28/15	B5H2803	8260	
60-29-7	Diethyl ether	ND ND	480	ug/kg dry ug/kg dry	50	08/28/15	В5Н2803	and the street of the street o	
108-20-3	Diisopropyl Ether	ND ND	480	ienių akintina ir seismenė iš iš i	50	08/28/15	B5H2803	8260	
100-20-3	distribution de contrata de la contrata del contrata del contrata de la contrata del la contrata del la contrata de la contrata de la contrata de la contrata de la contrata de la contrata de la contrata de la contrata de la contrata de la contrata de la contrata de la contrata de la contrat	dia Akrii aa Caasa aa maay oo maa ay a	96	ug/kg dry	and a construction of the state	The second of the second of the second	1 : 1 memberset somme Dependance	8260	
637-92-3	Ethylbenzene Ethyltertiarybutylether	ND	480	ug/kg dry	50 50	08/28/15 08/28/15	B5H2803	8260	
67-72-1	Hexachloroethane	ND	480	ug/kg dry		University of Address Conference and	B5H2803	8260	
98-82-8	and the contract of the contra	ND		ug/kg dry	50	08/28/15	B5H2803	8260	
1330-20-7	Isopropylbenzene	ND	96	ug/kg dry	50	08/28/15	B5H2803	8260	
Who you would have been been been	m & p - Xylene	ND	190	ug/kg dry	50	08/28/15	B5H2803	8260	
74-88-4	Methyl iodide	ND	96	ug/kg dry	50	08/28/15	B5H2803	8260	
75-09-2	Methylene chloride	ND	480	ug/kg dry	50	08/28/15	B5H2803	8260	
1634-04-4	Methyltertiarybutylether	ND	96	ug/kg dry	50	08/28/15	B5H2803	8260	
91-20-3	Naphthalene	ND	480	ug/kg dry	50	08/28/15	B5H2803	8260	X
104-51-8	n-Butylbenzene	ND	96	ug/kg dry	50	08/28/15	B5H2803	8260	
103-65-1	n-Propylbenzene	ND	96	ug/kg dry	50	08/28/15	B5H2803	8260	
্য-47-6	o-Xylene	ND	96	ug/kg dry	50	08/28/15	B5H2803	8260	
9-87-6	p-Isopropyl toluene	ND	96	ug/kg dry	50	08/28/15	B5H2803	8260	
135-98-8	sec-Butylbenzene	ND	96	ug/kg dry	50	`08/28/15	B5H2803	8260	
100-42-5	Styrene	ND		.ug/kg dry	50	08/28/15	B5H2803	8260	
98-06-6	tert-Butylbenzene	ND	96	ug/kg dry	50 .	08/28/15	B5H2803	8260	
75-65-0	tertiary Butyl Alcohol	ND	4800	ug/kg dry	50	08/28/15	B5H2803	8260	
994-05-8	tertiaryAmylmethylether	ND	480	ug/kg dry	50	08/28/15	B5H2803	8260	
127-18-4	Tetrachloroethylene	ND	96	ug/kg dry	50	08/28/15	B5H2803	8260	
109-99-9	Tetrahydrofuran	ND	480	ug/kg dry	50	08/28/15	B5H2803	8260	
108-88-3	Toluene	ND	96	ug/kg dry	50	08/28/15	B5H2803	8260	
156-60-5	trans-1,2-Dichloroethylene	ND	• 96	ug/kg dry	50	08/28/15	B5H2803	8260	
10061-02-6	trans-1,3-Dichloropropylene	ND	96	ug/kg dry	50	08/28/15.	B5H2803	8260	
110-57-6	trans-1,4-Dichloro-2-butene	ND	480	ug/kg dry	50	08/28/15	B5H2803	8260	- Commenter of the Comm
79-01-6	Trichloroethylene	ND	. 96	ug/kg dry	50	- 08/28/15	B5H2803	8260	
75-69-4	Trichlorofluoromethane	ND	96	ug/kg dry	50	08/28/15	B5H2803	8260	
75-01-4	Vinyl chloride	ND:	96	ug/kg dry	50	08/28/15	B5H2803	8260	
Surrogate: Bromof	luorobenzene		124 %	40.3-19	4	08/28/15	B5H2803	8260	
Surrogate: Dibrom	ofluoromethane		. 136%	52.1-21	7	08/28/15	B5H2803	8260	
Surrogate: Toluene	-d8	4	133 %	55.4-19	6	08/28/15	B5H2803	8260	energe allamanikan erikita kelejagin geologi 200



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Semiv	olatiles	-			-			See n	ote Y20, Y25
120-82-1	1,2,4-Trichlorobenzene	ND	5700	ug/kg dry	1	09/08/15	B5H2808	8270	
95-95-4	2,4,5-Trichlorophenol	ND	9400	ug/kg dry	1	09/08/15	B5H2808	8270	en en en en en en en en en en en en en e
88-06-2	2,4,6-Trichlorophenol	ND	9400	ug/kg dry	1	09/08/15	B5H2808	8270	
120-83-2	2,4-Dichlorophenol	ND	9400	ug/kg dry	1	09/08/15	B5H2808	8270	
105-67-9	2,4-Dimethylphenol	ND	9400	ug/kg dry	1	09/08/15	B5H2808	8270	
51-28-5	2,4-Dinitrophenol	ND	49000	ug/kg dry	1	09/08/15	B5H2808	8270	10 00000000000000000000000000000000000
121-14-2	2,4-Dinitrotoluene	ND	7100	ug/kg dry	1	09/08/15	B5H2808	8270	
606-20-2	2,6-Dinitrotoluene	ND	7100	ug/kg dry	1	09/08/15	B5H2808	8270	
91-58-7	2-Chloronaphthalene	ND	5700	ug/kg dry	1	09/08/15	B5H2808	8270	V.*.
95-57-8	2-Chlorophenol	ND	9400	ug/kg dry	1	09/08/15	B5H2808	8270	
534-52-1	2-Methyl-4,6-dinitrophenol	ND	49000	ug/kg dry	1	09/08/15	B5H2808	8270	
91-57-6	2-Methylnaphthalene	ND	7100	ug/kg dry	1	09/08/15	B5H2808	8270	
95-48-7	2-Methylphenol (o-Cresol)	ND	9400	ug/kg dry	1-	09/08/15	B5H2808	8270	
88-74-4	2-Nitroaniline	ND	14000	ug/kg dry	1	09/08/15	B5H2808	8270	
88-75-5	2-Nitrophenol	ND	9400	ug/kg dry	1	09/08/15	B5H2808	8270	
108394,106445	3 & 4-Methylphenol	ND	19000	ug/kg dry	1	09/08/15	B5H2808	8270	- v
99-09-2	3-Nitroaniline	ND	14000	ug/kg dry	L	09/08/15	B5H2808	8270	
101-55-3	4-Bromophenyl phenyl ether	ND	5700	ug/kg dry	1	09/08/15	B5H2808	8270	
59-50-7	4-Chloro-3-methyl-phenol	ND	5700	ug/kg dry	1	09/08/15	B5H2808	8270	
7005-72-3	4-Chlorodiphenylether	ND	2900	ug/kg dry	1	09/08/15	B5H2808	8270	
100-01-6	4-Nitroaniline	ND	14000	ug/kg dry	1	09/08/15	B5H2808	8270	
100-02-7	4-Nitrophenol	ND	49000	ug/kg dry	1	09/08/15	B5H2808	8270	
33-32-9	Acenaphthene	ND	2900	ug/kg dry	1	09/08/15	B5H2808	8270	
208-96-8	Acenaphthylene	ND	2900	ug/kg dry	1	09/08/15	B5H2808	8270	
120-12-7	Anthracene	3600	2900	ug/kg dry	1	09/08/15	B5H2808	8270	
103-33-3	Azobenzene	ND	5700	ug/kg dry	1	09/08/15	B5H2808	8270	
56-55-3	Benz[a]anthracene	20000	2900	ug/kg dry	1	09/08/15	B5H2808	8270	- A03
50-32-8	Benzo[a]pyrene	17000	5700	ug/kg dry	1	09/08/15	B5H2808	8270	A03
205-99-2	Benzo[b]fluoranthene	26000	5700	ug/kg dry	-1	09/08/15	B5H2808	8270	A03
191-24-2	Benzo[g,h,i]perylene	9500	5700	ug/kg dry	1	09/08/15	B5H2808	8270	
207-08-9	Benzo[k]fluoranthene	7500	5700	ug/kg dry	1	09/08/15	B5H2808	8270	
100-51-6	Benzyl Alcohol	ND	71000	ug/kg dry	1	09/08/15	B5H2808	8270	the season of th
111-91-1	Bis(2-chloroethoxy)methane	ND	5700	ug/kg dry	1	09/08/15	B5H2808	8270	
I11-44-4	Bis(2-chloroethyl)ether	ND	2900	ug/kg dry	essentina er kunt södd 1	09/08/15	B5H2808	8270	hadis 1948 allahida
08-60-1	Bis(2-chloroisopropyl)ether	ND	2900	ug/kg dry	1	09/08/15	B5H2808	8270	
17-81-7	Bis(2-ethylhexyl)phthalate	ND	7100 ′	ug/kg dry	1	09/08/15	B5H2808	8270	
35-68-7	Butyl benzyl phthalate	ND	7100	ug/kg dry	1	09/08/15	B5H2808	8270	
36-74-8	Carbazole	ND	7100	ug/kg dry	1	09/08/15	B5H2808	8270	an and a succession of the second
218-01-9	Chrysene	20000	2900	ug/kg dry	1	09/08/15	B5H2808	8270	A03
53-70-3	Dibenz[a,h]anthracene	ND	5700	ug/kg dry	1	09/08/15	B5H2808	8270	kating irmiti partela



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Sen	nivolatiles			<u> </u>				See n	ote Y20, Y25
132-64-9	Dibenzofuran	ND	7100	ug/kg dry	1	09/08/15	B5H2808	8270	
84-66-2	Diethylphthalate	ND	7100	ug/kg dry	1	09/08/15	B5H2808	8270	and the second second second second
131-11-3	Dimethyl phthalate	ND	7100	ug/kg dry	-1	09/08/15	B5H2808	8270	
84-74-2	Di-n-butyl phthalate	ND	7100	ug/kg dry	1	09/08/15	B5H2808	8270	
117-84-0	Di-n-octyl phthalate	ND	7100	ug/kg dry	1	09/08/15	B5H2808	8270	
206-44-0	Fluoranthene	38000	2900	ug/kg dry	1	09/08/15	B5H2808	8270	A03
86-73-7	Fluorene	ND	2900	ug/kg dry	1	09/08/15	B5H2808	8270	
118-74-1	Hexachlorobenzene	ND	5700	ug/kg dry	1	09/08/15	B5H2808	8270	Addition and a least of 1400, and
87-68-3	Hexachlorobutadiene	ND	2900	ug/kg dry	1	09/08/15	B5H2808	8270	
77-47-4	Hexachlorocyclopentadiene	ND	29000	ug/kg dry	1	09/08/15	B5H2808	8270	
67-72-1	Hexachloroethane	ND	2900	ug/kg dry	1 .	09/08/15	B5H2808	8270	
193-39 - 5	Indeno(1,2,3-c,d)pyrene	9200	5700	ug/kg dry	1	09/08/15	B5H2808	8270	
78-59-1	Isophorone	ND	2900	ug/kg dry	1	09/08/15	B5H2808	8270	
91-20-3	Naphthalene	ND	2900	ug/kg dry	1	09/08/15	B5H2808	8270	
98-95-3	Nitrobenzene	ND	5700	ug/kg dry	1	09/08/15	B5H2808	8270	
<7-75-9	N-Nitrosodimethylamine	ND	7100	ug/kg dry	1	09/08/15	B5H2808	8270	
21-64-7	N-Nitrosodi-n-propylamine	"ND	5700	ug/kg dry	1.	09/08/15	B5H2808	8270	2000000
86-30-6	N-Nitrosodiphenylamine	ND	5700	ug/kg dry	l	09/08/15	B5H2808	8270	
87-86-5	Pentachlorophenol	ND	49000	ug/kg dry	1	09/08/15	B5H2808	8270	
85-01-8	Phenanthrene	18000	2900	ug/kg dry	1	09/08/15	B5H2808	8270	A03
108-95-2	Phenol	ND	9400	ug/kg dry	1	09/08/15	B5H2808	8270	
129-00-0	Pyrene	35000	2900	ug/kg dry	1	09/08/15	B5H2808	8270	A03
Surrogate: 2,4,6-7	Tribromophenol	Noi	Applicable	20.3-1.	15	09/08/15	B5H2808	8270	y
Surrogate: 2-Fluo	robiphenyl	Noi	Applicable	32.9-1	15	09/08/15	B5H2808	8270	V
Surrogate: 2-Fluo	rophenol.	Noi	Applicable	23.7-1	15	09/08/15	B5H2808	8270	V
Surrogate: Nitrob	enzene-d5	uda Perkapakan di Sala da	Applicable	31.8-11	15	09/08/15	B5H2808	8270	V
Surrogate: Pheno	l-d6 .		Applicable	29.3-1	5	09/08/15	B5H2808	8270	ν
Surrogate: p-Terp	hamil did		Applicable	38.5-11	. 	09/08/15	B5H2808	8270	ν



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Pesti	icides								See note Y2
789-02-6	2,4'-DDT	1200	1100	ug/kg dry	10	09/15/15	B5H3117	8081/8082	
72-54-8	4,4'-DDD	450	1100	ug/kg dry	10	09/15/15	B5H3117	8081/8082	Т
72-55-9	4,4'-DDE	3500	1100	ug/kg dry	10	09/15/15	B5H3117	8081/8082	
50-29-3	4,4'-DDT	5600	1100	ug/kg dry	10	09/15/15	B5H3117	8081/8082	
319-84-6	a-BHC	ND	570	ug/kg dry	10	09/15/15	B5H3117	8081/8082	
5103-71-9	a-Chlordane	ND	1100	ug/kg dry	10	09/15/15	B5H3117	8081/8082	
309-00-2	Aldrin	ND :	1100	ug/kg dry	10	09/15/15	B5H3117	8081/8082	
319-85-7	b-BHC	ND	1100	ug/kg dry	10	09/15/15	B5H3117	8081/8082	
319-86-8	d-BHC	ND	1100	ug/kg dry	10	09/15/15	B5H3117	8081/8082	
50-57-1	Dieldrin	ND	1100	ug/kg dry	10	09/15/15	B5H3117	8081/8082	
)59-98-8	Endosulfan I	ND ·	1100	ug/kg dry	10	09/15/15	B5H3117	8081/8082	
33213-65-9	Endosulfan II	ND	1100	ug/kg dry	10	09/15/15	B5H3117	8081/8082	
031-07-8	Endosulfan sulfate	ND	1100	ug/kg dry	10	09/15/15	B5H3117	8081/8082	
72-20-8	Endrin	ND	1100	ug/kg dry	10	09/15/15	B5H3117	8081/8082	
7421-93-4	Endrin aldehyde	ND	1100	ug/kg dry	10	09/15/15	B5H3117	8081/8082	
53494-70-5	Endrin ketone	ND	1100	ug/kg dry	10	09/15/15	B5H3117	8081/8082	1
58-89-9	g-BHC (Lindane)	ND	1100	ug/kg dry	10	09/15/15	B5H3117	8081/8082	\\.
5103-74-2	g-Chlordane	ND	1100	ug/kg dry	10	09/15/15	B5H3117	8081/8082	
76-44-8	Heptachlor	ND	1100	ug/kg dry	10	09/15/15	B5H3117	8081/8082	
1024-57-3	Heptachlor epoxide	ND	1100	ug/kg dry	10	09/15/15	B5H3117	8081/8082	
37-82-1	Hexabromobenzene	ND	5700	ug/kg dry	10	09/15/15	В5Н3117	8081/8082	
72-43-5	Methoxychlor	ND	. 2900	ug/kg dry	10	09/15/15	B5H3117	8081/8082	A07
2385-85-5	Mirex	ND	2900	ug/kg dry	10 .	09/15/15	B5H3117	8081/8082	
59080-40-9	PBB (BP-6)	ND	14000	ug/kg dry	10	09/15/15	B5H3117	8081/8082	
3001-35-2	Toxaphene	ND	9700	ug/kg dry	10	09/15/15	B5H3117	8081/8082	
urrogate: Decachl	lorobiphenyl	Not	Applicable	30-15	0	09/15/15	B5H3117	8081/8082	V
urrogate: Tetrachl	loro-m-xylene		92.6%	30-15	n	09/15/15	B5H3117	8081/8082	



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

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. CAS# .	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-PCE									See note Y20
12674-11-2	Aroclor 1016	ND	5700	ug/kg dry	10	09/15/15	B5H3117	8081/8082	200 11000 1120
11104-28-2	Aroclor 1221	ND	5700	ug/kg dry	10	09/15/15	B5H3117	8081/8082	
11141-16-5	Aroclor 1232	ND	5700	ug/kg dry	10	09/15/15	B5H3117	8081/8082	
53469-21-9	Aroclor 1242	ND	5700	ug/kg dry	10	09/15/15	B5H3117	8081/8082	
12672-29-6	Aroclor 1248	ND	5700	ug/kg dry	10	09/15/15	B5H3117	8081/8082	
11097-69-1	Aroclor 1254	, ND	5700	ug/kg dry	10	09/15/15	B5H3117	8081/8082	
11096-82-5	Aroclor 1260	ND	5700	ug/kg dry	10	09/15/15	B5H3117	8081/8082	
37324-23-5	Aroclor 1262	ND	5700	ug/kg dry	10	09/15/15	B5H3117	8081/8082	
11100-14-4	Aroclor 1268	ND	5700	ug/kg dry	10	09/15/15	B5H3117	8081/8082	
Surrogate; Decach	lorobiphenyl	Not	Applicable	30-150)	09/15/15	B5H3117	8081/8082	ľ
Surrogate: Tetrach	loro-m-xylene		92.6 %	30-150)	09/15/15	B5H3117	8081/8082	
Inorganics-Ge	neral Chemistry		1						
TS	% Total Solids	70.0	0.1	%	1	08/27/15	B5H2709	2540 B	
57-12-5	Total Cyanide	1.7	0.14	mg/kg dry	1	09/03/15	B5I0207	ASTM D7284	
morganics-Me	etals								
140-36-0	Antimony	8.4	0,3	mg/kg dry	10	09/08/15	B5H3103	6020/200:8	
7440-38-2	Arsenic	39	5.0	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	
7440-39-3	Barium	760	1.0	mg/kg dry	10	09/04/15	B5I0101	6020/200.8	X3
7440-41-7	Beryllium	ND	2.0	mg/kg dry	100	09/04/15	B510101	6020/200.8	
7440-43-9	Cadmium	4.8	0.2	mg/kg dry	10	09/04/15	B5I0101	6020/200.8	
7440-47-3	Chromium	35	20	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	
7440-48-4	Cobalt	7.7	5.0	mg/kg dry	100	09/04/15	B510101	6020/200.8	
7440-50-8	Copper	170	10	mg/kg dry	100	09/04/15	B510101	6020/200.8	
7439-89-6	Iron	19000	5.0	mg/kg dry	10	09/11/15	B510101	6010/200.7	A09
7439-92-1	Lead	1100	1.0	mg/kg dry	10	09/04/15	B5I0101	6020/200.8	Х3
7439-96-5	Manganese	460	10	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	Х3
7439-97-6	Mercury	1.0	0.07	mg/kg dry	1	09/03/15	B5I0204	7471/245.5	A07
7439-98-7	Molybdenum	3.5	1.0	mg/kg dry	10	09/04/15	B5I0101	6020/200.8	A09
7440-02-0	Nickel	27	10	mg/kg dry	100	09/04/15	B5I0101	6020/200,8	
7782-49-2	Selenium	16	2.0	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	
7440-22-4	Silver	1.1	0.1	mg/kg dry	10	09/04/15	B5I0101	6020/200.8	
7440-28-0	Thallium	0.8	0.5	mg/kg dry	10	09/04/15	B510101	6020/200.8	
7440-62-2	Vanadium	25	10	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	
7440-66-6	Zinc	980	10	TANK MATERIAL PROPERTY.	100	09/04/15	B510101	6020/200.8	Х3
10 00-0	ZHIC	700		merke dry	100	37,07(13	DOMENT	0020/200.0	ر۸



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Vola	itiles					-	-	·	
630-20-6	1,1,1,2-Tetrachloroethane	4800	96	ug/kg dry	50	08/28/15	B5H2803	8260	
71-55-6	1,1,1-Trichloroethane	4900	96	ug/kg dry	50	08/28/15	B5H2803	8260	
79-34-5	1,1,2,2-Tetrachloroethane	5200	96	ug/kg dry	50	08/28/15	B5H2803	8260	Sand dan mindle bide hay a property of the said
79-00-5	1,1,2-Trichloroethane	4700	96	ug/kg dry	50	08/28/15	B5H2803	8260	
75-34-3	1,1-Dichloroethane	5000	96	ug/kg dry	50	08/28/15	B5H2803	- 8260 ,	na Pani Sakanan na manggalan (K. 1914, 1914).
75-35-4	1,1-Dichloroethylene	4400	96	ug/kg dry	50	08/28/15	B5H2803	8260	
87-61-6	1,2,3-Trichlorobenzene	4500	480	ug/kg dry	50	08/28/15	B5H2803	8260	·
96-18-4	1,2,3-Trichloropropane	4600	96	ug/kg dry	50	08/28/15	B5H2803	8260	
526-73-8	1,2,3-Trimethylbenzene	4700	96	ug/kg dry	50	08/28/15	B5H2803	8260	
120-82-1	1,2,4-Trichlorobenzene	4500	480	ug/kg dry	50	08/28/15	B5H2803	8260	
95-63-6	1,2,4-Trimethylbenzene	4900	96	ug/kg dry	50	08/28/15	B5H2803	8260	
96-12-8	1,2-Dibromo-3-chloropropane	4600	480	ug/kg dry	50.	08/28/15	B5H2803	8260	
106-93-4	1,2-Dibromoethane	4800	96	ug/kg dry	50	08/28/15	B5H2803	8260 ⁻	i ka i mari daka ariti, berita a kajaji nga
95-50-1	1,2-Dichlorobenzene	4700	. 96	ug/kg dry	50	08/28/15	B5H2803	8260	
107-06-2	1,2-Dichloroethane	4900	96	ug/kg dry	50	08/28/15	B5H2803	8260	in a till ander om build de tre men a 1990 gelag.
78-87-5	1,2-Dichloropropane	4800	96	ug/kg dry	50	08/28/15	B5H2803	8260	
108-67-8	1,3,5-Trimethylbenzene	4900	96	ug/kg dry	50	08/28/15	B5H2803	8260	KANAMATAN KANTAN AND
541-73-1	1,3-Dichlorobenzene	4800	96	ug/kg dry	50	08/28/15	B5H2803	8260	
106-46-7	1,4-Dichlorobenzene	4800	96	ug/kg dry	50	08/28/15	B5H2803	8260	
78-93-3	2-Butanone (MEK)	4400	480	ug/kg dry	50	08/28/15	B5H2803	8260	A06
591-78-6	2-Hexanone	4600	480	ug/kg dry	50	08/28/15	B5H2803	8260	A06
91-57-6	2-Methylnaphthalene	4600	480	ug/kg dry	50	08/28/15	B5H2803	8260	X
67-64-1	2-Propanone (acetone)	4100	1900	ug/kg dry	50	08/28/15	B5H2803	8260	A06, A11
108-10-1	4-Methyl-2-pentanone (MIBK)	4600	480	ug/kg dry	50	08/28/15	B5H2803	8260	
107-13-1	Acrylonitrile	4600	480	ug/kg dry	50	08/28/15	B5H2803	8260	
71-43-2	Benzene	4800	96	ug/kg dry	50	08/28/15	B5H2803	8260	
108-86-1	Bromobenzene	4800	96	ug/kg dry	50	08/28/15	B5H2803	8260	and the second
74-97-5	Bromochloromethane	4800	.96	ug/kg dry	50	08/28/15	B5H2803	8260	
75-27-4	Bromodichloromethane	5000	96	ug/kg dry	50	08/28/15	B5H2803	8260	SACCION LIAIGA CESTON
75-25-2	Bromoform	4500	96	ug/kg dry	50	08/28/15	B5H2803	8260	
74-83-9	Bromomethane	5100	480	ug/kg dry	50	08/28/15	B5H2803	8260	-Permanen in 1981).
75-15-0	Carbon disulfide	4800	96	ug/kg dry	50	08/28/15	B5H2803	8260	
56-23-5	Carbon tetrachloride	4500	96	ug/kg dry	50	08/28/15	B5H2803	8260	
108-90-7	Chlorobenzene	4800	96	ug/kg dry	50	08/28/15	B5H2803	8260	
75-00-3	Chloroethane	5200	480	ug/kg dry	50	08/28/15	B5H2803	8260	
67-66-3	Chloroform	5000	- 96	ug/kg dry	50	08/28/15	B5H2803	8260	
74-87-3	Chloromethane	4500	480	ug/kg dry	50	08/28/15	B5H2803	8260	
156-59-2	cis-1,2-Dichloroethylene	4900	96	ug/kg dry		08/28/15	B5H2803	8260	



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

							<u> </u>		
CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Volat	iles		<u></u>	_	-				
10061-01-5	cis-1,3-Dichloropropylene	4800	96	ug/kg dry	50	08/28/15	B5H2803	8260	
110-82-7	Cyclohexane	4500	480	ug/kg dry	50	08/28/15	B5H2803	8260	
124-48-1	Dibromochloromethane	5000	96	ug/kg dry	50	08/28/15	B5H2803	8260	
74-95-3	Dibromomethane	4600	96	ug/kg dry	50	08/28/15	B5H2803	8260	
75-71-8	Dichlorodifluoromethane	4400	480	ug/kg dry	50	08/28/15	B5H2803	8260	dinaman di dinaman di dinaman di dinaman di dinaman di dinaman di dinaman di dinaman di dinaman di dinaman di d
50-29-7	Diethyl ether	4900	480	ug/kg dry	50	08/28/15	B5H2803	8260	
08-20-3	Diisopropyl Ether	4900	480	ug/kg dry	50	08/28/15	B5H2803	8260	
00-41-4	Ethylbenzene	4900		ug/kg dry	50	08/28/15	B5H2803	8260	
37-92-3	Ethyltertiarybutylether .	4800	480	ug/kg dry	50	08/28/15	B5H2803	8260	
7-72-1	Hexachloroethane	4500	480	ug/kg dry	50	08/28/15	B5H2803	8260	
8-82-8	Isopropylbenzene	5000	96	ug/kg dry	50	08/28/15	B5H2803	8260	Accessor the processor of the second
330-20-7	m & p - Xylene	9900	190	ug/kg dry	50	08/28/15	B5H2803	8260	
4-88-4	Methyl iodide	4700	96	ug/kg dry	50	08/28/15	B5H2803	8260	**************************************
5-09-2	Methylene chloride	5100	480	ug/kg dry	50	08/28/15	B5H2803	8260	
534-04-4	Methyltertiarybutylether	5000	96	ug/kg dry	50	08/28/15	B5H2803	8260	
L-20-3	Naphthalene	5100	480	ug/kg dry	50	08/28/15	B5H2803	8260	X
04-51-8	n-Butylbenzene	4600	96	ug/kg dry	50	08/28/15	B5H2803	8260	
03-65-1	n-Propylbenzene	4900	96	ug/kg dry	50	08/28/15	B5H2803	8260	
5-47-6	o-Xylene	4900	96	ug/kg dry	50	08/28/15	B5H2803	8260	o incentral de la la companya de la companya de la companya de la companya de la companya de la companya de la
9-87-6	p-Isopropyl toluene	4700	96	ug/kg dry	50	08/28/15	B5H2803	8260	
35-98-8	sec-Butylbenzene	4700	96	ug/kg dry	50	08/28/15	B5H2803	8260	
00-42-5	Styrene	4900	96	ug/kg dry	50	08/28/15	B5H2803	8260	
8-06-6	tert-Butylbenzene	4700	96	ug/kg dry	50	08/28/15	B5H2803	8260	
5-65-0	tertiary Butyl Alcohol	22000	4800	ug/kg dry	50	08/28/15	B5H2803	8260	
94-05-8	tertiaryAmylmethylether	4800	480	ug/kg dry	50	08/28/15	B5H2803	8260	L
27-18-4	Tetrachloroethylene	4500	96	ug/kg dry	50	08/28/15	B5H2803	8260	
09-99-9	Tetrahydrofuran	4500	480	ug/kg dry	50	08/28/15	B5H2803	8260	
08-88-3	Toluene	4800	96	ug/kg dry	50	08/28/15	B5H2803	8260	
56-60-5	trans-1,2-Dichloroethylene	5000	96	ug/kg dry	50	08/28/15	B5H2803	8260	en og er meddiden i kom i det elegen folk
0061-02-6	trans-1,3-Dichloropropylene	4400	96	ug/kg dry	50	08/28/15	B5H2803	8260	
10-57-6	trans-1,4-Dichloro-2-butene	4200	480	ug/kg dry	50	08/28/15	B5H2803	8260	ter oo dissilandika matalogi
9-01-6	Trichloroethylene	4600	96	ug/kg dry	50	08/28/15	B5H2803	8260	22.7
5-69-4	Trichlorofluoromethane	4700	96	ug/kg dry	50	08/28/15	B5H2803	8260	::::::::::::::::::::::::::::::::::::::
5-01-4	Vinyl chloride	4600	96	ug/kg dry	50	08/28/15	B5H2803	8260	
rrogate: Bromoflu			124 %	40.3-19	94	08/28/15	B5H2803	8260	C. 1000100000000000000000000000000000000
	West of the second second second second second second second second second second second second second second	TO SAN ALAMA ARABARANTA ARANTA PERMANA	oute marketare rare	gn (2), term govern miles men sono	romos comos proprios como como como				anne e la granda di Marina anno anno anno anno anno
urrogate: Dibromo	fluoromethane		136%	52.1-21	7	08/28/15	B5H2803	8260	



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

<u>.</u>		1.	ab 11); 150	J225-Q5					
CAS#	Analyte	Result	RL ·	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Semi							,		ote Y20, Y25
120-82-1		3500	5700	ug/kg dry	1	09/08/15	B5H2808	8270	T
95-95-4	2,4,5-Trichlorophenol	ND	9400	ug/kg dry	1	09/08/15	B5H2808	8270	V
88-06-2	2,4,6-Trichlorophenol	ND	9400	ug/kg dry	1	09/08/15	B5H2808	8270	V
120-83-2	2,4-Dichlorophenol	5800	9400	ug/kg dry	1	09/08/15	B5H2808	8270	T
105-67 - 9	2,4-Dimethylphenol	ND	9400	ug/kg dry	- I	09/08/15	B5H2808	8270	V
51-28-5	2,4-Dinitrophenol	21000	49000	ug/kg dry	1	09/08/15	B5H2808	8270	T
121-14-2	2,4-Dinitrotoluene	3600	7100	ug/kg dry	1	09/08/15	B5H2808	8270	T
606-20-2	2,6-Dinitrotoluene	3500	7100	ug/kg dry	1	09/08/15	B5H2808	8270	T
91-58-7	2-Chloronaphthalene	3800	5700	ug/kg dry	1	09/08/15	B5H2808	8270	Ť
95-57-8	2-Chlorophenol	6300	9400	ug/kg dry	1	09/08/15	B5H2808	8270	T
534-52-1	2-Methyl-4,6-dinitrophenol	3900	49000	ug/kg dry	1	09/08/15	B5H2808	8270	Т
91-57-6	2-Methylnaphthalene	4000	7100	ug/kg dry	1	09/08/15	B5H2808	8270	T
95-48-7	2-Methylphenol (o-Cresol)	ND	9400	ug/kg dry	1	09/08/15	B5H2808	8270	- V
88-74-4	2-Nitroaniline	3100	14000	ug/kg dry	1	09/08/15	B5H2808	8270	T
88-75-5	2-Nitrophenol	6800	9400	ug/kg dry	1	09/08/15	B5H2808	8270	Т
108394,10644 <i>5</i>		ND	19000	ug/kg dry	1	09/08/15	B5H2808	8270	
99-09-2	3-Nitroaniline	1500	14000	ug/kg dry	1	09/08/15	B5H2808	8270	T
101-55-3	4-Bromophenyl phenyl ether	4400	5700	ug/kg dry	1	09/08/15	B5H2808	8270	T
59-50-7	4-Chloro-3-methyl-phenol	ND	5700	ug/kg dry	1	09/08/15	B5H2808	8270	V
7005-72-3	4-Chlorodiphenylether	3900	2900	ug/kg dry	1	09/08/15	B5H2808	8270	
100-01-6	4-Nitroaniline	1900	14000	ug/kg dry	1	09/08/15	B5H2808	8270	T
100-02-7	4-Nitrophenol	4200	49000	ug/kg dry	1	09/08/15	B5H2808	8270	T
83-32-9	Acenaphthene	4400	2900	ug/kg dry	1	09/08/15	B5H2808	8270	
208-96-8	Acenaphthylene	4500	2900	ug/kg dry	1	09/08/15	B5H2808	8270	
120-12-7	Anthracene	7100	2900	ug/kg dry	1	09/08/15	B5H2808	8270	
103-33-3	Azobenzene	4100	5700	ug/kg dry	1	09/08/15	B5H2808	8270	T
56-55-3	Benz[a]anthracene	17000	2900	ug/kg dry	1	09/08/15	B5H2808	8270	A03
50-32-8	Benzo[a]pyrene	17000	5700	ug/kg dry	1	09/08/15	B5H2808	8270	A03
205-99-2	Benzo[b]fluoranthene	23000	5700	ug/kg dry	1	09/08/15	B5H2808	8270	A03
191-24-2	Benzo[g,h,i]perylene	12000	5700	ug/kg dry	1	09/08/15	B5H2808	8270	
207-08-9	Benzo[k]fluoranthene	11000	5700	ug/kg dry	1	09/08/15	B5H2808	8270	
100-51-6	Benzyl Alcohol	7000	71000	ug/kg dry	1	09/08/15	B5H2808	8270	T
111-91-1	Bis(2-chloroethoxy)methane	4100	5700	ug/kg dry	1	09/08/15	B5H2808	8270	T
111-44-4	Bis(2-chloroethyl)ether	3300	2900	ug/kg dry	1	09/08/15	B5H2808	8270	-
108-60-1	Bis(2-chloroisopropyl)ether	3400	2900	ug/kg dry	1	09/08/15	B5H2808	8270	
117-81-7	Bis(2-ethylhexyl)phthalate	4100	7100	ug/kg dry	1	09/08/15	B5H2808	8270	T
85-68 - 7	Butyl benzyl phthalate	4200	7100	ug/kg dry	1	09/08/15	B5H2808	8270	Т
86-74-8	Carbazole	4800	7100	ug/kg dry	1	09/08/15	B5H2808	8270	er "
00-74-0	Carnazoie	4000	/100	ug/kg ury	1	07/00/13	13117000	02/0	



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

CAS#	Analyte	Result	RL	Units	Dileties	Analyzed Date	QC Batch	No. al d	Oualifier
	-	Result	RL	Units	Dilution	Date	QC Daten	Method	Quaimer
Organics-Semivo	olatiles	*****		water water and our control	2-10-10-10-10-10-10-10-10-10-10-10-10-10-	and the second s	**************************************	See n	ote Y20, Y25
218-01-9	Chrysene	18000	2900	ug/kg dry	1	09/08/15	B5H2808	8270	A03
53-70-3	Dibenz[a,h]anthracene	6400	5700	ug/kg dry	1	09/08/15	B5H2808	8270	an tau ann an an aithean a' de ann an an an an an an an an an an an an
132-64-9	Dibenzofuran	4500	7100	ug/kg dry	1	09/08/15	B5H2808	8270	···T
84-66-2	Diethylphthalate	4000	7100	ug/kg dry	1	09/08/15	B5H2808	8270	· T ·
131-11-3	Dimethyl phthalate	4000	7100	ug/kg dry	1	09/08/15	B5H2808	8270	T
84-74-2	Di-n-butyl phthalate	4100	7100	ug/kg dry	1	09/08/15	B5H2808	8270	. T
117-84-0	Di-n-octyl phthalate	3700	7100	ug/kg dry	1	09/08/15	B5H2808	8270	T
206-44-0	Fluoranthene	30000	2900	ug/kg dry	1	09/08/15	B5H2808	8270	A03
86-73-7	Fluorene	5100	2900	ug/kg dry	1	09/08/15	B5H2808	8270	
118-74-1	Hexachlorobenzene	4500	5700	ug/kg dry	1 .	09/08/15	B5H2808	8270	r
87-68-3	Hexachlorobutadiene	3600	2900	ug/kg dry	1	09/08/15	B5H2808	8270	
77-47-4	Hexachlorocyclopentadiene	7900	29000	ug/kg dry	1	09/08/15	B5H2808	8270	T
67-72-1	Hexachloroethane	3100	2900	ug/kg dry	1	09/08/15	B5H2808	8270	
193-39-5	Indeno(1,2,3-c,d)pyrene	12000	5700	ug/kg dry	1	09/08/15	B5H2808	8270	
³ /3-59-1	Isophorone	3400	2900	ug/kg dry	1	09/08/15	B5H2808	8270	
∍ Î-20-3	Naphthalene	4100	2900	ug/kg dry	1	09/08/15	B5H2808	8270	
98-95-3	Nitrobenzene	3500	5700	ug/kg dry	1	09/08/15	B5H2808	8270	T
67-75-9	N-Nitrosodimethylamine	2900	7100	ug/kg dry	1	09/08/15	B5H2808	8270	Т
621-64-7	N-Nitrosodi-n-propylamine	3600	5700	ug/kg dry	1	.09/08/15	B5H2808	8270	T.
86-30-6	N-Nitrosodiphenylamine	2900	5700	ug/kg dry	1	09/08/15	B5H2808	8270	T
87-86-5	Pentachlorophenol	ND	49000	ug/kg dry	1	09/08/15	B5H2808	8270	V
85-01-8	Phenanthrene	19000	2900	ug/kg dry	1	09/08/15	B5H2808	8270	A03
108-95-2	Phenol	6200	9400	ug/kg.dry	1.	09/08/15	B5H2808	8270	Т
129-00-0	Pyrene	28000	2900	ug/kg dry	1	09/08/15	B5H2808	8270	A03
Surrogate: 2,4,6-Tribro	omophenol		41.6%	20.3-11	5	09/08/15	B5H2808	8270	
Surrogate: 2-Fluorobij	phenyl	(A)	64.4 %	32.9-11	5	09/08/15	B5H2808	8270	
Surrogate: 2-Fluoroph	enol		40.4 %	23.7-11	5	09/08/15	.B5H2808	8270	
Surrogate: Nitrobenzei	ne-d5		57.0 %	31.8-11	5	09/08/15	B5H2808	8270	man management with the second of the second
Swrogate: Phenol-d6			51.8%	29.3-11	5	09/08/15	B5H2808	8270	
Surrogate: p-Terpheny	ol-d14		72.9 %	38.5-11	5	09/08/15	B5H2808	8270	eretuurinen 1900 kannaalinkoi tili selemen valveitili kääliikillä



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Pesti	cides	<u> </u>		<u>.</u>					See note Y2
789-02-6	2,4'-DDT	ND	1100	ug/kg dry	10	09/15/15	B5H3117	8081/8082	. V
72-54-8	4,4'-DDD	510	1100	ug/kg dry	10	09/15/15	B5H3117	8081/8082	T, A03
72-55-9	4,4'-DDE	ND	1100	ug/kg dry	10	09/15/15	B5H3117	8081/8082	V.
50-29 - 3	4,4'-DDT	ND	1100	ug/kg dry	10	09/15/15	B5H3117	8081/8082	V
319-84-6	a-BHC	230	570	ug/kg dry	10	09/15/15	B5H3117	8081/8082	T
5103-71-9	a-Chlordane	290	1100	ug/kg dry	10	09/15/15	B5H3117	8081/8082	T
309-00-2	Aldrin	450	1100	ug/kg dry	10	09/15/15	B5H3117	8081/8082	T, A04
319-85-7	b-BHC	210	1100	ug/kg dry	10	09/15/15	B5H3117	. 8081/8082	T
319-86-8	d-BHC	270	1100	ug/kg dry	10	09/15/15	B5H3117	8081/8082	T
60-57-1	Dieldrin	· 200	1100	ug/kg dry	10	09/15/15	B5H3117	8081/8082	T
959-98-8	Endosulfan I	200	1100	ug/kg dry	10	09/15/15	B5H3117	8081/8082	T
33213-65-9	Endosulfan II	330	1100	ug/kg dry	10	09/15/15	B5H3117	8081/8082	T
1031-07-8	Endosulfan sulfate	280	1100	ug/kg dry	10	09/15/15	B5H3117	8081/8082	Т
72-20-8	Endrin	230	1100	ug/kg dry	10	09/15/15	B5H3117	8081/8082	T
7421-93-4	Endrin aldehyde	220	1100	ug/kg dry	10	09/15/15	B5H3117	8081/8082	Ţ
53494-70-5	Endrin ketone	400	1100	ug/kg dry	10	09/15/15	B5H3117	8081/8082	T.
58-89-9	g-BHC (Lindane)	260	1100	ug/kg dry	10	09/15/15	B5H3117	8081/8082	T
5103-74-2	g-Chlordane	230	1100	ug/kg dry	10	09/15/15	B5H3117	8081/8082	T
76-44-8	Heptachlor	240	1100	ug/kg dry	10	09/15/15	B5H3117	8081/8082	T
1024-57-3	Heptachlor epoxide	240	1100	ug/kg dry	10	09/15/15	B5H3117	8081/8082	Т
87-82-1	Hexabromobenzene	150	5700	ug/kg dry	10	09/15/15	B5H3117	8081/8082	Т
72-43-5	Methoxychlor	- 520	2900	ug/kg dry	10	09/15/15	B5H3117	8081/8082	T, A07,
2385-85-5	Mirex	240	2900	ug/kg dry	10	09/15/15	B5H3117	8081/8082	A04 T
59080-40-9	PBB (BP-6)	280	14000	ug/kg dry	10	09/15/15	B5H3117	8081/8082	T
8001-35-2	Toxaphene	ND ND	9700	ug/kg dry	10	09/15/15	B5H3117	8081/8082	
Surrogate: Decachl	-		Applicable	30-15	0	09/15/15	B5H3117	8081/8082	V
	loro-m-xylene	1100	64.8 %	30-15		09/15/15	B5H3117	8081/8082	



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
		resoure	- ALL					Method	- Quantities
	eneral Chemistry		_		· · · · · · · · · · · · · · · · · · ·	_			
TS	% Total Solids	70.0	0.1	%	1	08/27/15	B5H2709	2540 B	
57-12-5	Total Cyanide	2.8	0.14	mg/kg dry	1	09/03/15	B5I0207	ASTM D7284	
Inorganics-M	etals								
7440-36-0	Antimony	44	0.6	mg/kg dry	20	09/08/15	B5H3103	6020/200.8	
7440-38-2	Arsenic	150	5.0	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	
7440-39-3	Barium	770	10	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	Х3
7440-41-7	Beryllium	100	2.0	mg/kg dry	100	09/04/15	B510101	6020/200.8	
7440-43-9	Cadmium	15	2.0	mg/kg dry	100 .	09/04/15	B5I0101	6020/200.8	neled 5 well-les: "Es salt suid la librale
7440-47-3	Ċhromium	120	20	mg/kg dry	100	09/04/15	B510101	6020/200.8	
7440-48-4	Cobalt	110	5.0	mg/kg 'dry	100	09/04/15	B5I0101	6020/200.8	**************************************
7440-50-8	Copper	250	.10	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	
7439-89-6	Iron	23000	5.0	mg/kg dry	10	09/11/15	B5I0101	6010/200.7	A09
7439-92-1	Lead	920	10	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	X3
7439-96-5	Manganese	480	10	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	X3
139-97-6	Mercury	1.4	0.1	mg/kg dry	2	09/03/15	B510204	7471/245.5	A03
1439-98-7	Molybdenum	120	10	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	A09
7440-02-0	Nickel	120	10	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	
7782-49-2	Selenium	. 120	2.0	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	manai wakana waka ili.
7440-22-4	Silver	11	1.0	mg/kg dry	100	09/04/15	B510101	6020/200.8	
7440-28-0	Thallium	94	5.0	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	
7440-62-2	Vanadium	120	10	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	
7440-66-6	Zinc	950	10	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	X3



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9800

			10 ID: 150						
CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Vola									<u> </u>
630-20-6	1,1,1,2-Tetrachloroethane	4800	96	ug/kg dry	50	08/28/15	B5H2803	8260	
71-55-6	1,1,1-Trichloroethane	4900	96	ug/kg dry	50	08/28/15	B5H2803	8260	·
79-34-5	1,1,2,2-Tetrachloroethane	5200	96	ug/kg dry	50	08/28/15	B5H2803	8260	
79-00-5	1,1,2-Trichloroethane	4800	96	ug/kg dry	50	08/28/15	B5H2803	8260	
75 - 34-3	1,1-Dichloroethane	5000	96	ug/kg dry	50	08/28/15	B5H2803	8260	
75-35-4	1,1-Dichloroethylene	4500	96	ug/kg dry	50	08/28/15	B5H2803	8260	
37-61-6	1,2,3-Trichlorobenzene	4600	480	ug/kg dry	50	08/28/15	B5H2803	8260	
96-18-4	1,2,3-Trichloropropane	4600	96	ug/kg dry	50	08/28/15	B5H2803	8260	
526-73-8	1,2,3-Trimethylbenzene	4800	96	ug/kg dry	50	08/28/15	B5H2803	8260	
120-82-1	1,2,4-Trichlorobenzene	4600	480	ug/kg dry	50	_ 08/28/15	B5H2803	8260	
95-63-6	1,2,4-Trimethylbenzene	5000	96	ug/kg dry	50	08/28/15	B5H2803	8260	
96-12-8	1,2-Dibromo-3-chloropropane	4700	480	ug/kg dry	50	08/28/15	B5H2803	8260	
106-93-4	1,2-Dibromoethane	4900	96	ug/kg dry	50	08/28/15	B5H2803	8260	
95-50-1	1,2-Dichlorobenzene	4800	96	ug/kg dry	50	08/28/15	B5H2803	8260	
107-06-2	1,2-Dichloroethane	5000	96	ug/kg dry	50	08/28/15	B5H2803	8260	ي القدر
78-87-5	1,2-Dichloropropane	4900	96	ug/kg dry	50	08/28/15	B5H2803	8260	(
108-67-8	1,3,5-Trimethylbenzene	4900	96	ug/kg dry	50	08/28/15	B5H2803	8260	
541-73-1	1,3-Dichlorobenzene	4800	96	ug/kg dry	50	08/28/15	B5H2803	8260	
06-46-7	1,4-Dichlorobenzene	4900	96	ug/kg dry	50	08/28/15	B5H2803	8260	
78-93-3	2-Butanone (MEK)	4600	480	ug/kg dry	50	08/28/15	B5H2803	8260	A06
591-78-6	2-Hexanone	4600	480	ug/kg dry	50	08/28/15	B5H2803	8260	A06
1-57-6	2-Methylnaphthalene	4700	480	ug/kg dry	50	08/28/15	B5H2803	8260	X
67-64-1	2-Propanone (acetone)	4400	1900	ug/kg dry	50	08/28/15	B5H2803	8260	A06, A1
108-10-1	4-Methyl-2-pentanone (MIBK)	4800	480	ug/kg dry	50	08/28/15	B5H2803	8260	-
107-13-1	Acrylonitrile	4600	480	ug/kg dry	50	08/28/15	B5H2803	8260	
71-43-2	Benzene	4800	96	ug/kg dry	50	08/28/15	B5H2803	8260	
08-86-1	Bromobenzene	4900	96	ug/kg dry	50	08/28/15	B5H2803	8260	
74-97-5	Bromochloromethane	4700	96	ug/kg dry	50	08/28/15	B5H2803	8260	
75-27-4	Bromodichloromethane	5100		ug/kg dry	ai amerikan kanan kanan kanan kanan	08/28/15	B5H2803	8260	
75-25-2	Bromoform	4700	96	ug/kg dry	50	08/28/15	B5H2803	8260	
74-83-9	Bromomethane	5100	480	ug/kg dry	50	08/28/15	B5H2803	8260	
75-15-0	Carbon disulfide	5000	96	ug/kg dry	50	08/28/15	B5H2803	8260	
56-23-5	Carbon disumde Carbon tetrachloride	4600	96	ug/kg dry	50	08/28/15	B5H2803	8260	
108-90-7	Chlorobenzene	4900	96	ug/kg dry	50	08/28/15	B5H2803	8260	100
75-00-3	Chloroethane	5200	480	ug/kg dry	50	08/28/15	B5H2803	8260	
67-66-3	Chloroform	4900	96	ug/kg dry	50	08/28/15	B5H2803	8260	
74-87-3	Chloromethane	4400	480	ug/kg dry	50	08/28/15	B5H2803	8260	
156-59-2			96	ug/kg dry	50 50	08/28/15	B5H2803	8260	
130-39-2	cis-1,2-Dichloroethylene	5000	90	ug/kg ary	50	00/20/13	מופאטנת	020U	



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

									
CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
							~ · · · · · · · · · · · · · · · · ·	171001001	
Organics-Volat 10061-01-5	cis-1,3-Dichloropropylene	4900	.96	natha de-	50	08/28/15	B5H2803	8260	,
110-82-7	Cyclohexane	4500	480	ug/kg dry ug/kg dry	50	08/28/15	B5H2803	8260 8260	
124-48-1	Dibromochloromethane	4500 5000	96		BEFFEET CONTRA	08/28/15	THE TRANSPORT OF THE PROPERTY	gggagagang como utrostras	
74-95-3	Dibromomethane	4600	96	ug/kg dry	50 50	08/28/15	B5H2803 B5H2803	8260 8260	
75-71-8	Dichlorodifluoromethane		480	ug/kg dry	to control of the other con-	08/28/15	B5H2803	energy and the second second second	
the second second second	Diethyl ether	4200	480	ug/kg dry	50			8260	
60-29-7		4900	480	ug/kg dry	50	08/28/15	B5H2803	8260	
108-20-3	Diisopropyl Ether	5000		ug/kg dry	50	08/28/15	B5H2803	8260	
100-41-4	Ethylbenzene	5000	96	ug/kg dry	50	08/28/15	B5H2803	8260	
637-92-3	Ethyltertiarybutylether	4900	480	ug/kg dry	50	08/28/15	B5H2803	8260	
67-72-1	Hexachloroethane	4800	480	ug/kg dry	50	08/28/15	B5H2803	8260	rana yana yana a
98-82-8	Isopropylbenzene	5000	96	ug/kg dry	50	08/28/15	B5H2803	8260	
1330-20-7	m & p - Xylene	9800	190	ug/kg dry	50	08/28/15	B5H2803	8260	
74-88-4	Methyl iodide	5000	96	ug/kg dry _	50	08/28/15	B5H2803	8260	
75-09-2	Methylene chloride	5100	480	ug/kg dry	50	08/28/15	B5H2803	8260	
\534-04-4	Methyltertiarybutylether	5000	96	ug/kg dry	50	08/28/15	B5H2803	8260	
√1 -20- 3	Naphthalene	5100	480	ug/kg dry	50	08/28/15	B5H2803	8260	X
104-51-8	n-Butylbenzene	4700	96	ug/kg dry	50	08/28/15	B5H2803	8260	
103-65-1	n-Propylbenzene	4900	96	ug/kg dry	50	08/28/15	B5H2803	8260	
95-47-6	o-Xylene	4900	96	ug/kg dry	50	08/28/15	B5H2803	8260	
99-87-6	p-Isopropyl toluene	4700 ·	96	ug/kg dry	50	08/28/15	B5H2803	8260	
135-98-8	sec-Butylbenzene	4800	96	ug/kg dry	. 50	08/28/15	B5H2803	8260	
100-42-5	Styrene	5000	96	ug/kg dry	50	08/28/15	B5H2803	8260	
98-06-6	tert-Butylbenzene	4700	96	ug/kg dry	50	08/28/15	B5H2803	8260	
75-65-0	tertiary Butyl Alcohol	22000	4800	ug/kg dry	50	08/28/15	B5H2803	8260	
994-05-8	tertiaryAmylmethylether	4900	480	ug/kg dry	50	08/28/15	B5H2803	8260	
127-18-4	Tetrachloroethylene	4600	96	ug/kg dry	50	08/28/15	B5H2803	8260	
109-99-9	Tetrahydrofuran	4400	480	ug/kg dry	50	08/28/15	B5H2803	8260	
108-88-3	Toluene	4800	96	ug/kg dry	50	08/28/15	B5H2803	8260	Marie Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos Carlos
156-60-5	trans-1,2-Dichloroethylene	4900	.: 96	ug/kg dry	50 🚟	08/28/15	B5H2803	8260	
10061-02-6	trans-1,3-Dichloropropylene	4500	96	ug/kg dry	50	08/28/15	B5H2803	8260	44.136.50 St. 1240 St. 1700 St. 1700 St. 1700 St. 1700 St. 1700 St. 1700 St. 1700 St. 1700 St. 1700 St. 1700 S
110-57-6	trans-1,4-Dichloro-2-butene	4200	480	ug/kg dry	50	08/28/15	B5H2803	8260	
79-01-6	Trichloroethylene	4700	96	ug/kg dry	50	08/28/15	B5H2803	8260	Carlo Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Ma
75-69-4	Trichlorofluoromethane	4600	96	ug/kg dry	50	-08/28/15	B5H2803	8260	
75-01-4	Vinyl chloride	4600	96	ug/kg dry	50	08/28/15	B5H2803	8260	
Surrogate: Bromofh			122 %	40.3-1	Description (February)	08/28/15	B5H2803	8260	
Surrogate: Dibromo			137 %	52.1-2		08/28/15	B5H2803	8260	
Surrogate: Toluene-			130 %	55.4-1	and a section about 4	08/28/15	B5H2803		
			130 70	33.4-12		.00/40/LJ	ייייייייייייייייייייייייייייייייייייייי	8260	



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

					Analyzed			
Analyte	Result	RL	Units	Dilution	Date	QC Batch	Method	Qualifier
volatiles							See n	ote Y20, Y25
1,2,4-Trichlorobenzene	3300	5700	ug/kg dry	1 .	09/08/15	B5H2808	8270	T
2,4,5-Trichlorophenol	ND	9400	ug/kg dry	1	09/08/15	B5H2808	8270	V
2,4,6-Trichlorophenol	ND	9400	ug/kg dry	1	09/08/15	B5H2808	8270	V
2,4-Dichlorophenol	5200	9400	ug/kg dry	1	09/08/15	B5H2808	8270	T
2,4-Dimethylphenol	ND	9400	ug/kg dry	1	09/08/15	B5H2808	8270	٧
2,4-Dinitrophenol	21000	49000	ug/kg dry	1	09/08/15	. B5H2808	8270	, T
2,4-Dinitrotoluene	3100	7100	ug/kg dry	1	09/08/15	B5H2808	8270	T
2,6-Dinitrotoluene	3300	7100	ug/kg dry	1	09/08/15	B5H2808	8270	T
2-Chloronaphthalene	3500	5700	ug/kg dry	1	09/08/15	B5H2808	8270	Т
2-Chlorophenol	5700	9400	ug/kg dry	1 :	09/08/15	B5H2808	8270	Ţ
2-Methyl-4,6-dinitrophenol	3400	49000	ug/kg dry	1	09/08/15	B5H2808	8270	T
2-Methylnaphthalene	3700	7100	ug/kg dry	1	09/08/15	B5H2808	8270	\mathbf{T}
2-Methylphenol (o-Cresol)	ND	9400	ug/kg dry	1	09/08/15	B5H2808	8270	V
2-Nitroaniline	2900	14000	ug/kg dry	1	09/08/15	B5H2808	8270	\mathbf{T}
2-Nitrophenol	6200	9400	ug/kg dry	1	09/08/15	B5H2808	8270	n: aliinii aaaaaila T
3 & 4-Methylphenol	1300	19000	ug/kg dry	1	09/08/15	B5H2808	8270	
3-Nitroaniline	ND	14000	ug/kg dry	1	09/08/15	B5H2808	8270	V
4-Bromophenyl phenyl ether	3900	5700	ug/kg dry	1	09/08/15	B5H2808	8270	T
The second description of the second second	3900	5700	ug/kg dry	1	09/08/15	B5H2808	8270	V
	3600	2900	g (1	09/08/15	B5H2808	8270	
		14000	The second second second second second second	1	09/08/15	B5H2808	8270	T
		49000	r greggeryngr saugger	.1	09/08/15	B5H2808	8270	\mathbf{T}^{-1}
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		TO A EL CONTROL A TRANSPORTA ANO TRA	THE REPORT OF STREET	1	Standing and the con-	CONTRACTOR CONTRACTOR		
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Butyl benzyl phthalate	4100.,	7100	ug/kg dry	1	09/08/15	B5H2808	8270	T
	1,2,4-Trichlorobenzene 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol 2,4-Dinethylphenol 2,4-Dinitrophenol 2,4-Dinitrophenol 2,4-Dinitrotoluene 2,6-Dinitrotoluene 2-Chlorophenol 2-Methyl-4,6-dinitrophenol 2-Methyl-4,6-dinitrophenol 2-Methylphenol (o-Cresol) 2-Nitroaniline 2-Nitroaniline 3-Nitroaniline 4-Bromophenyl phenyl ether 4-Chloro-3-methyl-phenol 4-Chlorodiphenylether 4-Nitroaniline 4-Nitroaniline 4-Nitrophenol Acenaphthylene Acenaphthylene Benzo[a]anthracene Benzo[a]pyrene Benzo[b]fluoranthene Benzo[k]fluoranthene Benzyl Alcohol Bis(2-chloroethoxy)methane Bis(2-chloroethoxy)methane Bis(2-chloroisopropyl)ether Bis(2-cthylhexyl)phthalate	1,2,4-Trichlorobenzene 3300 2,4,5-Trichlorophenol ND 2,4,6-Trichlorophenol ND 2,4-Dichlorophenol 5200 2,4-Dimethylphenol ND 2,4-Dinitrophenol 21000 2,4-Dinitrophenol 21000 2,4-Dinitrotoluene 3100 2,6-Dinitrotoluene 3300 2-Chloronaphthalene 3500 2-Chlorophenol 5700 2-Methyl-4,6-dinitrophenol 3400 2-Methylnaphthalene 3700 2-Methylnaphthalene 3700 2-Methylnaphthalene 3700 2-Methylnaphthalene 3700 2-Methylphenol (o-Cresol) ND 2-Nitroaniline 2900 2-Nitrophenol 6200 3 & 4-Methylphenol 1300 3-Nitroaniline ND 4-Bromophenyl phenyl ether 3900 4-Chloro-3-methyl-phenol 3900 4-Chlorodiphenylether 3600 4-Nitroaniline 1500 4-Nitrophenol 3600 Acenaphthene 4100 Acenaphthylene 4100 Anthracene 5900 Azobenzene 3700 Benzo[a]pyrene 16000 Benzo[a]pyrene 16000 Benzo[a]pyrene 12000 Benzo[k]fluoranthene 12000 Benzo[k]fluoranthene 12000 Benzo[k]fluoranthene 12000 Benzo[k]fluoranthene 12000 Benzo[k]fluoranthene 3900 Bis(2-chloroethoxy)methane 3900 Bis(2-chloroethoxy)methane 3900 Bis(2-chloroethoxy)phthalate 3900 Bis(2-chloroethoxy)phthalate 3900	1,2,4-Trichlorobenzene 3300 5700	1,2,4-Trichlorobenzene 3300 5700 19/kg dry 2,4,5-Trichlorophenol ND 9400 19/kg dry 2,4,6-Trichlorophenol ND 9400 19/kg dry 2,4-Dichlorophenol 5200 9400 19/kg dry 2,4-Dichlorophenol ND 9400 19/kg dry 2,4-Dinitrophenol ND 9400 19/kg dry 2,4-Dinitrophenol 21000 49000 19/kg dry 2,4-Dinitrophenol 21000 49000 19/kg dry 2,4-Dinitrotoluene 3100 7100 19/kg dry 2,4-Dinitrotoluene 3300 7100 19/kg dry 2,4-Dinitrotoluene 3300 7100 19/kg dry 2,4-Dinitrotoluene 3500 5700 19/kg dry 2,4-Dinitrophenol 3400 49000 19/kg dry 2,4-Dinitrophenol 3400 49000 19/kg dry 2,4-Dinitrophenol 3400 49000 19/kg dry 2,4-Dinitrophenol 2900 14000 19/kg dry 2,4-Dinitrophenol 2900 14000 19/kg dry 2,4-Dinitrophenol 1300 19000 19/kg dry 3,4-Dinitrophenol 1300 19000 19/kg dry 3,4-Dinitrophenol 1300 19000 19/kg dry 4,4-Dinitrophenol 3900 5700 19/kg dry 4,4-Dinitrophenol 3600 2900 19/kg dry 4,4-Dinitrophenol 3600 49000 19/kg dry 4,4-Dinitrophenol 36	1,2,4-Trichlorobenzene 3300 5700 12 kg dry 1 2,4,5-Trichlorophenol ND 9400 12 kg dry 1 2,4-Dichlorophenol ND 9400 12 kg dry 1 2,4-Dichlorophenol 5200 9400 12 kg dry 1 2,4-Dimethylphenol ND 9400 12 kg dry 1 2,4-Dimethylphenol ND 9400 12 kg dry 1 2,4-Dimitrophenol 21000 49000 12 kg dry 1 2,4-Dinitrotoluene 3100 7100 12 kg dry 1 2,4-Dinitrotoluene 3300 7100 12 kg dry 1 2,6-Dinitrotoluene 3500 5700 12 kg dry 1 2,6-Dinitrotoluene 3500 5700 12 kg dry 1 2-Chlorophenol 5700 9400 12 kg dry 1 2-Methyl-4,6-dinitrophenol 3400 49000 12 kg dry 1 2-Methylphenol (0-Cresol) ND 9400 12 kg dry 1 2-Nitroaniline 2900 14000 12 kg dry 1 2-Nitroaniline 2900 14000 12 kg dry 1 2-Nitrophenol 6200 9400 12 kg dry 1 3-k 4-Methylphenol 1300 19000 12 kg dry 1 3-k 4-methylphenol 1300 19000 12 kg dry 1 4-Bromophenyl phenyl ether 3900 5700 12 kg dry 1 4-Chloro-3-methyl-phenol 3900 5700 12 kg dry 1 4-Chlorodiphenylether 3600 2900 12 kg dry 1 4-Chlorodiphenylether 3600 2900 12 kg dry 1 4-Nitrophenol 3600 49000 12 kg dry 1 4-Rotenaphthene 4100 2900 12 kg dry 1 4-Rotenaphthylene 4100 2900 12 kg dry 1 4-Rotenaphthylene 4100 5700 12 kg dry 1 4-Rotenaphthylene 16000 5700 12 kg dry 1 4-Rotenaphthylene 16000 5700 12 kg dry 1 4-Rotenaphthylene 12000 5700 12 kg dry 1 4-Rotena	volatiles Result RL Units Dilution Date 1,2,4-Trichlorobenzene 3300 5700 ug/kg dry 1 09/08/15 2,4,5-Trichlorophenol ND 9400 ug/kg dry 1 09/08/15 2,4-Dirichlorophenol 5200 9400 ug/kg dry 1 09/08/15 2,4-Dinitrophenol 21000 4900 ug/kg dry 1 09/08/15 2,4-Dinitrophenol 21000 4900 ug/kg dry 1 09/08/15 2,4-Dinitrotoluene 3100 7100 ug/kg dry 1 09/08/15 2,4-Dinitrotoluene 3300 7100 ug/kg dry 1 09/08/15 2,6-Dinitrotoluene 3500 5700 ug/kg dry 1 09/08/15 2-Chiorophenol 5700 9400 ug/kg dry 1 09/08/15 2-Methyl-4,6-dinitrophenol 3400 49000 ug/kg dry 1 09/08/15 2-Methyl-phenol (-C-Cresol) ND 9400 ug/kg dry 1 09/08/1	Analyse Result RL Units Dilution Date QC Batch volatiles 1,2,4-Trichlorobenzene 3300 5700 ug/kg dry 1 09/08/15 B5H2808 2,4,5-Trichlorophenol ND 9400 ug/kg dry 1 09/08/15 B5H2808 2,4-Dinterbylphenol ND 9400 ug/kg dry 1 09/08/15 B5H2808 2,4-Dinitrophenol 21000 4900 ug/kg dry 1 09/08/15 B5H2808 2,4-Dinitrophenol 21000 4900 ug/kg dry 1 09/08/15 B5H2808 2,4-Dinitrotoluene 3100 7100 ug/kg dry 1 09/08/15 B5H2808 2,6-Dinitrotoluene 3500 5700 ug/kg dry 1 09/08/15 B5H2808 2,6-Dinitrotoluene 3500 5700 ug/kg dry 1 09/08/15 B5H2808 2,-Chlorosphenol 5700 9400 ug/kg dry 1 09/08/15 B5H2808 2-Methyl-4,6-dinitrophenol	Name



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Sen	nivolatiles				-			See n	ote Y20, Y25
218-01-9	Chrysene	18000	2900	ug/kg dry	1	09/08/15	B5H2808	8270	A03
53-70-3	Dibenz[a,h]anthracene	6400	5700	ug/kg dry	1	09/08/15	B5H2808	8270	
132-64-9	Dibenzofuran	4100	7100	ug/kg dry	1	09/08/15	B5H2808	8270	Т
84-66-2	Diethylphthalate	3700	7100	ug/kg dry	1	09/08/15	B5H2808	8270	T
131-11-3	Dimethyl phthalate	3700	7100	ug/kg dry	1	09/08/15	B5H2808	8270	Т
84-74-2	Di-n-butyl phthalate	3700	7100	ug/kg dry	1	09/08/15	B5H2808	8270	Т
117-84-0	Di-n-octyl phthalate	3400	7100	ug/kg dry	1	09/08/15	B5H2808	8270	T
206-44-0	Fluoranthene	28000	2900	ug/kg dry	1	09/08/15	B5H2808	8270	A03
36-73-7	Fluorene	4600	2900	ug/kg dry	1	09/08/15	B5H2808	8270	
118-74-1	Hexachlorobenzene	4000	5700	ug/kg dry	1	09/08/15	B5H2808	8270	Т
37-68-3	Hexachlorobutadiene	3400	2900	ug/kg dry	1	09/08/15	B5H2808	8270	
77-47-4	Hexachlorocyclopentadiene	7700	29000	ug/kg dry	1	09/08/15	B5H2808	8270	Т
57-72-1	Hexachloroethane	3100	2900	ug/kg dry	1	09/08/15	B5H2808	8270	
193-39-5	Indeno(1,2,3-c,d)pyrene	12000	5700	ug/kg dry	1	09/08/15	B5H2808	8270	
8-59-1	Isophorone	3300	2900	ug/kg dry	1	09/08/15	B5H2808	8270	
1-20-3	Naphthalene	4000	2900	ug/kg dry	1	09/08/15	B5H2808	8270	
98-95-3	Nitrobenzene	3200	5700	ug/kg dry	1	09/08/15	B5H2808	8270 `	T
57-75-9	N-Nitrosodimethylamine	2600	7100	ug/kg dry	1	09/08/15	B5H2808	8270	Ť
621-64-7	N-Nitrosodi-n-propylamine	3500	5700	ug/kg dry	1	09/08/15	B5H2808	8270 -	T
36-30-6	N-Nitrosodiphenylamine	2500	5700	ug/kg dry	1	09/08/15	B5H2808	8270	Т
37-86-5	Pentachlorophenol	ND	49000	ug/kg dry	1	09/08/15	B5H2808	8270	V
35-01-8	Phenanthrene	17000	2900	ug/kg dry	1	-09/08/15	B5H2808	8270	A03
108-95-2	Phenol	5600	9400	ug/kg dry	1	09/08/15	B5H2808	8270	Т
129-00-0	Pyrene	29000	2900	ug/kg dry	1	09/08/15	B5H2808	8270	A03
Surrogate: 2,4,6-1	Tribromophenol		35.1 %	20.3-11	5	09/08/15	B5H2808	. 8270	
iurrogate: 2-Fluo	robiphenyl		59.7 %	32.9-11	5	09/08/15	B5H2808	8270	
urrogate: 2-Fluo	rophenol		34.4 %	23.7-11	5	09/08/15	B5H2808	8270	
urrogate: Nitrob	enzene-d5		56.0 %	31.8-11	5	09/08/15	B5H2808	8270	
urrogate: Phenoi	I-d6		46.9 %	29.3-11	5	09/08/15	B5H2808	8270	
urrogate: p-Terp	henyl-d14		69.6%	38.5-11	5	09/08/15	B5H2808	8270	



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

CAS#	· Analyte	Result	RL	Units	['] Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Pest	icides								See note Y20
789-02-6	2,4'-DDT	ND.	1100	ug/kg dry	10	09/15/15	B5H3117	8081/8082	V
72-54-8	4,4'-DDD	660	1100	ug/kg dry	10	09/15/15	B5H3117	8081/8082	T
72-55-9	4,4'-DDE	ND	1100	ug/kg dry	10	09/15/15	B5H3117	8081/8082	V
50-29-3	4,4'-DDT	' ND	1100	ug/kg dry	10	09/15/15	B5H3117	8081/8082	V
319-84-6	а-ВНС	280	570	ug/kg dry	10	09/15/15	B5H3117	8081/8082	T
5103-71-9	a-Chlordane	340	1100	ug/kg dry	10	09/15/15	B5H3117	8081/8082	Т
309-00-2	Aldrin	400	1100	ug/kg dry	10	09/15/15	B5H3117	8081/8082	A04, T
319-85-7	b-BHC	250	1100	ug/kg dry	10	09/15/15	B5H3117	8081/8082	Т
319-86-8	d-BHC	300	1100	ug/kg dry	10	09/15/15	B5H3117	8081/8082	T
60-57-1	Dieldrin	250	1100	ug/kg dry	10	09/15/15	B5H3117	8081/8082	Т.
959-98-8	Endosulfan I	260	1100	ug/kg dry	10	09/15/15	B5H3117	8081/8082	· T
33213-65-9	Endosulfan II	330	. 1100	ug/kg dry	10	09/15/15	B5H3117	8081/8082	T
1031-07-8	Endosulfan sulfate	290	1100	ug/kg dry	10	09/15/15	B5H3117	8081/8082	Т
72-20-8	Endrin	270	1100	ug/kg dry	10	09/15/15	B5H3117	8081/8082	Т
7421-93-4	Endrin aldehyde	250	1100	ug/kg dry	10	09/15/15	B5H3117	8081/8082	Ţ
53494-70-5	Endria ketone	340	1100	ug/kg dry	10	09/15/15	B5H3117	8081/8082	
58-89-9	g-BHC (Lindane)	270	1100	ug/kg dry	10	09/15/15	B5H3117	8081/8082	T
5103-74-2	g-Chlordane	290	1100	ug/kg dry	10	09/15/15	B5H3117	8081/8082	T
76-44-8	Heptachlor	260	1100	ug/kg dry	10	09/15/15	B5H3117	8081/8082	T
1024-57-3	Heptachlor epoxide	300	1100	ug/kg dry	10	09/15/15	B5H3117	8081/8082	Ť
87-82-1	Hexabromobenzene	200	5700	ug/kg dry	10	09/15/15	B5H3117	8081/8082	T
72-43-5	Methoxychlor	370	2900	ug/kg dry	10	09/15/15	В5Н3117	8081/8082	A04, A07, T
2385-85-5	Mirex	320	2900	ug/kg dry	10	09/15/15	B5H3117	8081/8082	T
59080-40-9	PBB (BP-6)	310	14000	ug/kg dry	10	09/15/15	B5H3117	8081/8082	1
8001-35-2	Toxaphene	ND	9700	ug/kg dry	10	09/15/15	B5H3117	8081/8082	ri sarah Militaria Salah K. 1991.
Surrogate: Decach	alorobiphenyl	Not	Applicable	30-15	0	09/15/15	B5H3117	8081/8082	у.
Surrogate: Tetrach	doro m vulguo		82.1 %	30-15		09/15/15	B5H3117	8081/8082	



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Inorganics-G	eneral Chemistry	·				-			
TS	% Total Solids	70.0	0.1	%	1	08/27/15	B5H2709	2540 B	100
57-12-5	Total Cyanide	2.8	0.14	mg/kg dry	1	09/03/15	B5I0207	ASTM D7284	
norganics-M	etals	·							
7440-36-0	Antimony	49	0.6	mg/kg dry	20	09/08/15	B5H3103	6020/200.8	
7440-38-2	Arsenic	150	5.0	mg/kg dry	100	09/04/15	B510101	6020/200.8	
7440-39-3	Barium	1200	10	mg/kg dry	100	09/04/15	B510101	6020/200.8	X3
7440-41-7	Beryllium	110	2.0	mg/kg dry	100	09/04/15	B510101	6020/200.8	
7440-43-9	Cadmium	15	2.0	mg/kg dry	100	09/04/15	B510101	6020/200.8	
7440-47-3	Chromium	130	20	mg/kg dry	100	09/04/15	B5 I 0101	6020/200.8	
7440-48-4	Cobalt	110	5.0	mg/kg dry	100	09/04/15	B510101	6020/200.8	
7440-50-8	Copper	280	10	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	
7439-89-6	Iron	19000	5.0	mg/kg dry	10	09/11/15	B510101	6010/200.7	A09
7439-92-1	Lead	1800	10	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	X3
7439-96-5	Manganese	530	10	mg/kg dry	100	09/04/15	B510101	6020/200.8	X 3
439-97-6	Mercury	1.8	0.1	mg/kg dry	2	09/03/15	B510204	7471/245.5	A04
439-98-7	Molybdenum	130	10	mg/kg dry	100	09/04/15	B510101	6020/200.8	A09
7440-02-0	Nickel	130	10	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	
7782-49-2	Selenium	120	2.0	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	
7440-22-4	Silver	11	1.0	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	
7440-28-0	Thallium	92	5.0	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	
7440-62-2	Vanadium	130	10	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	-
7440-66-6	Zinc	1100	10	mg/kg dry	100	09/04/15	B510101	6020/200.8	X3



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

			ad ID: 150	0225 07	_				
CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Vola	atiles								
630-20-6	1,1,1,2-Tetrachloroethane	ND	62	ug/kg dry	50	08/28/15	B5H2803	8260	
71-55-6	I,1,1-Trichloroethane	ND	62	ug/kg dry	50	08/28/15	B5H2803	8260	
79-34-5	1,1,2,2-Tetrachloroethane	ND	62	ug/kg dry	50	08/28/15	B5H2803	8260	
79-00-5	1,1,2-Trichloroethane	ND	62	ug/kg dry	50	08/28/15	B5H2803	8260	
75-34-3	1,1-Dichloroethane	ND	62	ug/kg dry	50	08/28/15	B5H2803	8260	
75-35-4	1,1-Dichloroethylene	ND	62	ug/kg dry	50	08/28/15	B5H2803	8260	
87-61-6	1,2,3-Trichlorobenzene	ND	310	ug/kg dry	50	08/28/15	B5H2803	8260	
96-18-4	1,2,3-Trichloropropane	ND	62	ug/kg dry	50	08/28/15	B5H2803	8260	
526-73-8	1,2,3-Trimethylbenzene	ND	62	ug/kg dry	50	08/28/15	B5H2803	8260	
120-82-1	1,2,4-Trichlorobenzene	ND	310	ug/kg dry	50	08/28/15	B5H2803	8260	
95-63-6	1,2,4-Trimethylbenzene	ND	62	ug/kg dry	50	08/28/15	B5H2803	8260	
96-12-8	1,2-Dibromo-3-chloropropane	ND	310	ug/kg dry	50	08/28/15	B5H2803	8260	
106-93 - 4	1,2-Dibromoethane	ND	62	ug/kg dry	50	08/28/15	B5H2803	8260	
95-50-1	1,2-Dichlorobenzene	ND	62	ug/kg dry	50	08/28/15	B5H2803	8260	
107-06-2	1,2-Dichloroethane	ND	62	ug/kg dry	50	08/28/15	B5H2803	8260	•
78-87-5	1,2-Dichloropropane	ND	62	ug/kg dry	50	08/28/15	B5H2803	8260	
.08-67-8	1,3,5-Trimethylbenzene	ND	62	ug/kg dry	50	08/28/15	B5H2803	8260	
541-73-1	1,3-Dichlorobenzene	ND	62	ug/kg dry	50	08/28/15	B5H2803	8260	S
06-46-7	1,4-Dichlorobenzene	ND	62	ug/kg dry	50	08/28/15	B5H2803	8260	
78-93-3	2-Butanone (MEK)	ND	310	ug/kg dry	50	08/28/15	B5H2803	8260	
591-78-6	2-Hexanone	ND	310	ug/kg dry	50	08/28/15	B5H2803	8260	
91-57-6	2-Methylnaphthalene	ND	310	ug/kg dry	50	08/28/15	B5H2803	8260	X
67-64-1	2-Propanone (acetone)	ND	1200	ug/kg dry	50	08/28/15	B5H2803	8260	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	310	ug/kg dry	50	08/28/15	B5H2803	8260	
107-13-1	Acrylonitrile	ND	310	ug/kg dry	50	08/28/15	B5H2803	8260	
71-43-2	Benzene	ND	62	ug/kg dry	50	08/28/15	B5H2803	8260	
108-86-1	Bromobenzene	ND	62	ug/kg dry	50	08/28/15	B5H2803	8260	
74-97-5	Bromochloromethane	ND.	62	ug/kg dry	50	08/28/15	B5H2803	8260	
75-27-4	Bromodichloromethane	ND	62	ug/kg dry	50	08/28/15	B5H2803	8260	
75-27- 4 75-25-2	Bromoform	ND	62	ug/kg dry	50	08/28/15	B5H2803	8260	
74-83-9	Bromomethane	ND	310	ug/kg dry	50	08/28/15	B5H2803	8260	
75-15-0	Carbon disulfide	ND	62	value and a value in the contraction	50	08/28/15	B5H2803	8260	
75-13-0 56-23-5	Carbon tetrachloride	ND	62	ug/kg dry	50	08/28/15	B5H2803	8260	
108-90-7	Chlorobenzene	ND	62	ug/kg dry	50	08/28/15	B5H2803	8260	
75-00-3	Chloroethane	ND	310	ug/kg dry	50	08/28/15	B5H2803	8260	
67-66-3	Chloroform	ND	62	ug/kg dry	50	08/28/15	B5H2803	8260	
74-87-3	Chloromethane	ND	310	ug/kg dry	50	08/28/15	B5H2803	8260	2
74-87-3 156-59-2	cis-1,2-Dichloroethylene		62	ug/kg dry	50	08/28/15	B5H2803	8260	
136-39-2 10061-01-5		ND ND	. 62	ug/kg dry	50	08/28/15	B5H2803	8260 8260	
iii.ii.ii.ii.ii.ii.ii.ii.ii.ii.	cis-1,3-Dichloropropylene	ND ND	310	ug/kg dry	50	08/28/15	B5H2803	8260	
110-82-7	Cyclohexane	ACTION CONTRACTOR OF THE PARTY	62			08/28/15	B5H2803	8260	
124-48-1	Dibromochloromethane	ND	02	ug/kg dry	50	00120113	DJDZ803	6200	



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

CAS#	Analyte	Result	· RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Vola	tiles						٠		
74-95-3	Dibromomethane	ND	62	ug/kg dry	50	08/28/15	B5H2803	8260	
75-71-8	Dichlorodifluoromethane	ND	310	ug/kg dry	50	08/28/15	B5H2803	8260	casta i casta
60-29-7	Diethyl ether	ND	310	ug/kg dry	50	08/28/15	B5H2803	8260	
108-20-3	Diisopropyl Ether	ND	310	ug/kg dry	- 50	08/28/15	B5H2803	8260	
100-41-4	Ethylbenzene	ND	62	ug/kg dry	50	08/28/15	B5H2803	8260	
637-92-3	Ethyltertiarybutylether	ND	310	ug/kg dry	50	08/28/15	B5H2803	8260	
67-72-1	Hexachloroethane	ND	310	ug/kg dry	50	08/28/15	B5H2803	8260	
98-82-8	· Isopropylbenzene	ND	62	ug/kg dry	50	08/28/15	B5H2803	8260	
1330-20-7	m & p - Xylene	ND	120	ug/kg dry	50	08/28/15	B5H2803	8260	
74-88-4	Methyl iodide	ND	62	ug/kg dry	50	08/28/15	B5H2803	8260	
75-09-2	Methylene chloride	ND	310	ug/kg dry	50	08/28/15	B5H2803	8260	
1634-04-4	Methyltertiarybutylether	ND	62	ug/kg dry	50	08/28/15	B5H2803	8260	
91-20-3	Naphthalene	ND	310	ug/kg dry	50	08/28/15	B5H2803	8260	X
104-51-8	n-Butylbenzene	ND	. 62	ug/kg dry	50	08/28/15	B5H2803	8260	
103-65-1	n-Propylbenzene	ND	62	ug/kg dry	50	08/28/15	B5H2803	8260	
⁹ 5-47-6	o-Xylene	ND	62	ug/kg dry	50	08/28/15	B5H2803	8260	
)-87-6	p-Isopropyl toluene	ND		ug/kg dry	50	08/28/15	B5H2803	8260	and the property of the
135-98-8	sec-ButyIbenzene	ND.	62	ug/kg dry	50	08/28/15	B5H2803	8260	
100-42-5	Styrene	ND	62	ug/kg dry	50	08/28/15	B5H2803	8260	
98-06-6	tert-Butylbenzene	ND	62	ug/kg .dry	50	08/28/15	B5H2803	8260	
75-65-0	tertiary Butyl Alcohol	ND	3100	ug/kg dry	50	08/28/15	B5H2803	8260	
994-05-8	tertiaryAṃylmethylether	ND	310	ug/kg dry	50	08/28/15	B5H2803	8260	
127-18-4	Tetrachloroethylene	ND	62	ug/kg dry	50	08/28/15	B5H2803	8260	
109-99-9	Tetrahydrofuran	ND	310	ug/kg dry	50	08/28/15	B5H2803	8260	
108-88-3	Toluene	ND	- 62	ug/kg dry	50	08/28/15	B5H2803	8260	
156-60-5	trans-1,2-Dichloroethylene	ND	62	ug/kg dry	50	08/28/15	B5H2803	8260	
10061-02-6	trans-1,3-Dichloropropylene	ND	62	ug/kg dry	50	08/28/15	B5H2803	8260	
110-57-6	trans-1,4-Dichloro-2-butene	ND	310	ug/kg dry	50	08/28/15	B5H2803	8260	
79-01-6	Trichloroethylene	ND	62.1	ug/kg dry	50	08/28/15	B5H2803	8260	
75-69-4	Trichlorofluoromethane	ND	62	ug/kg dry	50	08/28/15	B5H2803	8260	ennen en en en en en en en en en en en e
75-01-4	Vinyl chloride	ND	62	ug/kg dry	50	08/28/15	B5H2803	8260	
Surrogate: Bromoft	luorobenzene		131 %	40.3-19	94	08/28/15	B5H2803	8260	
Surrogate: Dibrom	ofluoromethane		138 %	52.1-2.	17	08/28/15	B5H2803	8260	
Surrogate: Toluene	-48		138 %	55.4-19	26	08/28/15	B5H2803	8260	



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier									
Organics-Semiv	olatiles								See note Y20									
120-82-1	1,2,4-Trichlorobenzene	ND	440	ug/kg dry	1.	09/08/15	B5H2808	8270										
95-95-4	2,4,5-Trichlorophenol	ND	730	ug/kg dry	1	09/08/15	B5H2808	8270 ·	- 									
88-06-2	2,4,6-Trichlorophenol	, ND	730	ug/kg dry	1	09/08/15	B5H2808	8270										
120-83-2	2,4-Dichlorophenol	ND	730	ug/kg dry	1	09/08/15	B5H2808	8270	.30									
105-67-9	2,4-Dimethylphenol	ND	730	ug/kg dry	1	09/08/15	B5H2808	8270										
51-28-5	2,4-Dinitrophenol	ND	3800	ug/kg dry	1	09/08/15	B5H2808	8270	·									
121-14-2	2,4-Dinitrotoluene	ND .	550	ug/kg dry	1	09/08/15	B5H2808	8270										
506-20-2	2,6-Dinitrotoluene	ND .	550	ug/kg dry	1	09/08/15	B5H2808	8270	nadionista kuti 1990-in di ministrata da 17, a 1944 in 2000 an									
91-58-7	2-Chloronaphthalene	ND	440	ug/kg dry	1	09/08/15	B5H2808	8270										
95-57-8	2-Chlorophenol	ND	730	ug/kg dry	1	09/08/15	B5H2808	8270	**************************************									
534-52-1	2-Methyl-4,6-dinitrophenol	ND	3800	ug/kg dry	1	09/08/15	B5H2808	8270										
91-57-6	2-Methylnaphthalene	ND	550	ug/kg dry	1	09/08/15	B5H2808	8270										
95-48-7	2-Methylphenol (o-Cresol)	ND	730	ug/kg dry	1	09/08/15	B5H2808	8270										
88-74-4	2-Nitroaniline	ND	1100	ug/kg dry	1	09/08/15	B5H2808	8270										
88-75-5	2-Nitrophenol	ND	: 730	ug/kg dry	1	09/08/15	B5H2808	8270										
108394,106445	3 & 4-Methylphenol	ND	1500	ug/kg dry	1	09/08/15	B5H2808	8270	* #									
99-09-2	3-Nitroaniline	ND	1100	ug/kg dry	1.	09/08/15	B5H2808	8270										
01-55-3	4-Bromophenyl phenyl ether	ND	440	ug/kg dry	1	09/08/15	B5H2808	8270	- A									
59-50-7	4-Chloro-3-methyl-phenol	ND	440	ug/kg dry	1	09/08/15	B5H2808	8270	197									
7005-72-3	4-Chlorodiphenylether	ND	220	ug/kg dry	1	09/08/15	B5H2808	8270										
00-01-6	4-Nitroaniline	ND	1100	ug/kg dry	. 1	09/08/15	B5H2808	8270										
100-02 - 7	4-Nitrophenol	ND	3800	ug/kg dry	1	09/08/15	B5H2808	8270	the control of the desire of the transmission									
33-32-9	Acenaphthene	ND	220	ug/kg dry	1	09/08/15	B5H2808	8270										
208-96-8	Acenaphthylene	ND	220	ug/kg dry	1	09/08/15	B5H2808	8270										
120-12-7	Anthracene	ND	220	ug/kg dry	1	09/08/15	B5H2808	8270										
03-33-3	Azobenzene	ND	440	ug/kg dry	1	09/08/15	B5H2808	8270										
6-55-3	Benz[a]anthracene	ND	220	ug/kg dry	1	09/08/15	B5H2808	8270										
50-32-8	Benzo[a]pyrene	ND	440	ug/kg dry	1	09/08/15	B5H2808	8270	000-000-000-000-000-000-000-000-000-00									
205-99-2	Benzo[b]fluoranthene	ND :	440	ug/kg dry	1	09/08/15	B5H2808	8270										
91-24-2	Benzo[g,h,i]perylene	ND	440	ug/kg dry	1	09/08/15	B5H2808	8270	O Carlo Callera de Contra de Carlo Contra Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Ca									
207-08-9	Benzo[k]fluoranthene	ND.	:440	ug/kg dry	1	09/08/15	B5H2808	8270										
00-51-6	Benzyl Alcohol	ND	5500	ug/kg dry	1	09/08/15	B5H2808	8270	Material (Color Color 11-91-1	Bis(2-chloroethoxy)methane	ND	440	ug/kg dry	1	09/08/15	B5H2808	8270	
11-44-4	Bis(2-chloroethyl)ether	ND	220	ug/kg dry	1	09/08/15	B5H2808	8270	***************************************									
08-60-1	Bis(2-chloroisopropyl)ether	ND	220	ug/kg dry	1	09/08/15	B5H2808	8270										
17-81-7	Bis(2-ethylhexyl)phthalate	ND	550	ug/kg dry	1	09/08/15	B5H2808	8270	. mater 10 met 160 miles in Silver Silver									
85-68 - 7	Butyl benzyl phthalate	. ND	550	ug/kg dry	1	09/08/15	B5H2808	8270										
36-74-8	Carbazole	ND	550	ug/kg dry	1	09/08/15	B5H2808	8270										
18-01-9	Chrysene	ND .	220	ug/kg dry	1	09/08/15	B5H2808	8270										
3-70-3	Dibenz[a,h]anthracene	ND	440	ug/kg dry	1	09/08/15	B5H2808	8270	er en en en en en en en en en en en en en									
132-64-9	Dibenzofuran	ND	550	ug/kg dry		09/08/15	B5H2808	8270	ANDER A									



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifie
Organics-Sem	ivolatiles	·	-						See note Y2
34-66-2	Diethylphthalate	ND	550	ug/kg dry	1	09/08/15	B5H2808	8270	
131-11-3	Dimethyl phthalate	ND	550	ug/kg dry	1	09/08/15	B5H2808	8270	
34-74-2	Di-n-butyl phthalate	ND	550	ug/kg dry	1	09/08/15	B5H2808	8270	
17-84-0	Di-n-octyl phthalate	ND	550	ug/kg dry	1	09/08/15	B5H2808	8270	
206-44-0	Fluoranthene	ND	220	ug/kg dry	1	09/08/15	B5H2808	8270	
86-73-7	Fluorene	ND.	220	ug/kg dry	1	09/08/15	B5H2808	8270	
18-74-1	Hexachlorobenzene	ND	440	ug/kg dry	1	09/08/15	B5H2808	8270	
37-68-3	Hexachlorobutadiene	ND	220	ug/kg dry	1	09/08/15	B5H2808	8270	
7-47-4	Hexachlorocyclopentadiene	ND	2200	ug/kg dry	1	09/08/15	B5H2808	8270	
7-72-1	Hexachloroethane	ND	- 220	ug/kg dry	1	09/08/15	B5H2808	8270	
93-39-5	Indeno(1,2,3-c,d)pyrene	ND	440	ug/kg dry	1	09/08/15	B5H2808	8270	
8-59-1	Isophorone	ND	220	ug/kg dry	1	09/08/15	B5H2808	8270	
1-20-3	Naphthalene	ND	220	ug/kg dṛy	1	09/08/15	B5H2808	8270	
8-95-3	Nitrobenzene	ND	. 440	ug/kg dry	1	09/08/15	B5H2808	8270	
7-75-9	N-Nitrosodimethylamine	ND	550	ug/kg dry	1	09/08/15	B5H2808	8270	-
21-64-7	N-Nitrosodi-n-propylamine	ND	440	ug/kg dry	1	09/08/15	B5H2808	8270	
5-30-6	N-Nitrosodiphenylamine	ND	440	ug/kg dry	1	09/08/15	B5H2808	_ 8270	5
7-86-5	Pentachlorophenol	ND	3800	ug/kg dry	1	09/08/15	B5H2808	8270	
35-01-8	Phenanthrene	ND	220	ug/kg dry	1	09/08/15	B5H2808	8270	
08-95-2	Phenol	ND	730	ug/kg dry	. 1	09/08/15	B5H2808	8270	
29-00-0	Pyrene	ND	220	ug/kg dry	1	09/08/15	B5H2808	8270	
urrogate: 2,4,6-Ti	ribromophenol		54.2 %	20.3-11	5	09/08/15	B5H2808	8270	
urrogate: 2-Fluor	robiphenyl		64.7 %	32.9-11.	5	09/08/15	B5H2808	8270	
urrogate: 2:Fluor	rophenol.		42.2 %	23.7-11.	5	09/08/15	B5H2808	8270	
urrogate: Nitrobe	nzene-d5	,•	60.4 %	31.8-11.	5	09/08/15	B5H2808	8270	
irrogate: Phenol-	-d6		54.0%	29.3-11.	5	09/08/15	B5H2808	8270	
urrogate: p-Terph	nenvl-d14		82.8 %	38.5-11.	5	09/08/15	B5H2808	8270	



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Pesti	cides				•				
789-02-6	2,4'-DDT	7.6	22	ug/kg dry	1	09/09/15	B5H3117	8081/8082	T
72-54-8	4,4'-DDD	9.4	22	ug/kg dry	1	09/09/15	B5H3117	8081/8082	T
72-55-9	4,4'-DDE	14	22	ug/kg dry	1	09/09/15	B5H3117	8081/8082	Т
50-29-3	4,4'-DDT	28	22	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
319-84-6	a-BHC	ND	11	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
5103-71-9	a-Chlordane	ND ·	22	ug/kg dry	1	09/09/15	B5H3117	8081/8082	***************************************
309-00-2	Aldrin	ND	22	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
319-85-7	b-BHC	ND	22	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
319-86-8	d-BHC	ND	22	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
60-57-1	Dieldrin	ND	22	ug/kg dry	1	09/09/15	B5H3117	8081/8082	STANCES CONTROL OF THE PARTY OF
959-98-8	Endosulfan I	, ND	22	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
33213-65-9	Endosulfan II	ND	22	ug/kg dry	1	09/09/15	B5H3117	8081/8082	and discount and any and any and any
1031-07-8	Endosulfan sulfate	ND .	22	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
72-20-8	Endrin	ND	22	ug/kg dry	1	09/09/15	B5H3117	8081/8082	•
7421-93-4	Endrin aldehyde	ND	22	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
53494-70-5	Endrin ketone	ND	22	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
58-89-9	g-BHC (Lindane)	ND	22	ug/kg dry	.1	09/09/15	B5H3117	8081/8082	
5103-74-2	g-Chlordane	ND	22	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
76-44-8	Heptachlor	ND	22	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
1024-57-3	Heptachlor epoxide	ND	22	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
87-82-1	Hexabromobenzene	ND .	110	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
72-43-5 .	Methoxychlor	ND	55	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
2385-85-5	Mirex	ND	55	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
59080-40-9	PBB (BP-6)	ND	280	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
8001-35-2	Toxaphene	ND :	190	ug/kg dry	.1	09/09/15	B5H3117	8081/8082	
Surrogate: Decachi	lorobiphenyl		62.5 %	30-150)	09/09/15	B5H3117	8081/8082	
Surrogate: Tetrachi			70.9 %	30-150)	09/09/15	B5H3117	8081/8082	



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-PCB	s as Aroclors			-	 i				
12674-11-2	Aroclor 1016	ND	110	ug/kg dry	1	09/14/15	B5H3117	8081/8082	· _
11104-28-2	Aroclor 1221	ND .	110	ug/kg dry	1	09/14/15	B5H3117	8081/8082	
11141-16-5	Aroclor 1232	ND	110	ug/kg dry	1	09/14/15	B5H3117	8081/8082	
53469-21-9	Aroclor 1242	ND	110	ug/kg dry	1	09/14/15	B5H3117	8081/8082	
12672-29-6	Aroclor 1248	ND	110	ug/kg dry	1	09/14/15	B5H3117	8081/8082	
11097-69-1	Aroclor 1254	. I ND .	110	ug/kg dry	1	09/14/15	B5H3117	8081/8082	
11096-82-5	Aroclor 1260	120	110	ug/kg dry	1	09/14/15	B5H3117	8081/8082	
37324-23-5	Aroclor 1262	ND	120	ug/kg dry	1	09/14/15	B5H3117	8081/8082	Y21
11100-14-4	Aroclor 1268	ND	110	ug/kg dry	1	09/14/15	B5H3117	8081/8082	***************************************
Surrogate: Decachi	lorobiphenyl .		62.5 %	30÷15	0	09/14/15	B5H3117	8081/8082	
Surrogate: Tetrachl	oro-m-xylene		70.9 %	30-15	0	09/14/15	B5H3117	8081/8082	
Inorganics-Ge	neral Chemistry							`.	
TS	% Total Solids	90,3	0.1	%	1.	08/27/15	B5H2709	2540 B	
57-12-5	Total Cyanide	0.17	0.11	mg/kg dry	1	09/03/15	B510207	ASTM D7284	
37-12-3	totai Cyaniue	0.17	0.11	mg/kg dry	1	07/03/13	D310207	ABTWI D1204	
organics-Me	tals					***			
140-36-0	Antimony	ND	0,3	mg/kg dry	10	09/08/15	B5H3103	6020/200.8	
7440-38-2	Arsenic	5.7	0.5	mg/kg dry	10	09/04/15	B510101	6020/200.8	
7440-39-3	Barium	29	1.0	mg/kg dry	10.	09/04/15	B5I0101	6020/200:8	
7440-41-7	Beryllium	0.2	0.2	mg/kg dry	10	09/04/15	B5I0101 ·	6020/200.8	
7440-43-9	Cadmium	0.3	0.2	mg/kg dry	10	09/04/15	B5I0101	6020/200.8	
7440-47-3	Chromium	13	2.0	mg/kg dry	10	09/04/15	B5I0101	6020/200.8	
7440-48-4	Cobalt	3.5	0.5	mg/kg dry	10	09/04/15	B5I0101	6020/200.8	
7440-50-8	Copper	13	1.0	mg/kg dry	10	09/04/15	B5I0101	6020/200.8	
7439-89-6	Iron	9500	5.0	mg/kg dry	10	09/11/15	B5I0101	6010/200. 7	A09
7439-92-1	Lead	28	1.0	mg/kg dry	10	09/04/15	B5I0101	6020/200.8	1
7439-96-5	Manganese	150	1.0	mg/kg dry	10	09/04/15	B5I0101	6020/200.8	
7439-97-6	Mercury	0.1	0.06	mg/kg dry	1	09/03/15	B5I0204	7471/245.5	
7439-98-7	Molybdenum	ND ND	1.0	mg/kg dry	10	09/04/15	B510101	6020/200.8	
7440-02-0	Nickel	9.6	1.0	mg/kg dry	10	09/04/15	B5I0101	6020/200.8	mannana aki 2000 mana aki
7782-49-2	Selenium	0.3	0.2	mg/kg dry	10	09/04/15	B5I0101	6020/200.8	
7440-22-4	Silver	ND	0.1	mg/kg dry	10	09/04/15	B5I0101	6020/200.8	
7440-28-0	Thallium	ND	0.5	mg/kg dry	10	09/04/15	B510101	6020/200.8	
7440-62-2	Vanadium	13	1.0	mg/kg dry	10	09/04/15	· B5I0101	6020/200.8	an an an an an an an an an an an an an a
	Mark the section of t					Anna anna anna anna anna anna anna anna		Principal Control Cont	more union i makes processors to a consulta



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Vola	atiles			_		•			
630-20-6	1,1,1,2-Tetrachloroethane	ND	74	ug/kg dry	50	08/28/15	B5H2803	8260	
71-55-6	1,1,1-Trichloroethane	ND .	74	ug/kg dry	50	08/28/15	B5H2803	8260	
79-34-5	1,1,2,2-Tetrachloroethane	ND	74	ug/kg dry	50	08/28/15	B5H2803	8260	
79-00-5	1,1,2-Trichloroethane	ND.	74	ug/kg dry	50	08/28/15	B5H2803	8260	
75-34-3	1,1-Dichloroethane	ND	74	ug/kg dry	50	08/28/15	B5H2803	8260	eriodredoudus montellitas statumidania
75-35-4	1,1-Dichloroethylene	ND	74	ug/kg dry	50	08/28/15	B5H2803	8260	
87-61-6	1,2,3-Trichlorobenzene	ND	370	ug/kg dry	50	08/28/15	B5H2803	8260	and a start of the
96-18-4	1,2,3-Trichloropropane	ND	74	ug/kg dry	50	08/28/15	B5H2803	8260	
526-73-8	1,2,3-Trimethylbenzene	ND	74	ug/kg dry	50	08/28/15	B5H2803	8260	
120-82-1	1,2,4-Trichlorobenzene	ND	370	ug/kg dry	50	08/28/15	B5H2803	8260	
95-63-6	1,2,4-Trimethylbenzene	ND	74	ug/kg dry	50	08/28/15	B5H2803	8260	
96-12-8	1,2-Dibromo-3-chloropropane	ND	370	ug/kg dry	50	08/28/15	B5H2803	8260	
106-93-4	1,2-Dibromoethane	ND	74	ug/kg dry	50	08/28/15	B5H2803	8260	
95-50-1	1,2-Dichlorobenzene	ND	74	ug/kg dry	50	08/28/15	B5H2803	8260	
107-06-2	1,2-Dichloroethane	ND	74	ug/kg dry	50	08/28/15	B5H2803	8260	titistis "
78-87-5	1,2-Dichloropropane	ND	74	ug/kg dry	50	08/28/15	B5H2803	8260	
108-67-8	1,3,5-Trimethylbenzene	ND	74	ug/kg dry	50	08/28/15	B5H2803	8260	(
541-73-1	1,3-Dichlorobenzene	ND	74.	ug/kg dry	50	08/28/15	B5H2803	8260	
106-46-7	1,4-Dichlorobenzene	ND	74	ug/kg dry	~50	08/28/15	B5H2803	8260	
78-93-3	2-Butanone (MEK)	ND	370	ug/kg dry	50	08/28/15	B5H2803	8260	
591-78-6	2-Hexanone	ND	370	ug/kg dry	50	08/28/15	B5H2803	8260	Land Market and South State
91-57-6	2-Methylnaphthalene	ND	370	ug/kg dry	50	08/28/15	B5H2803	8260	X
67-64-1	2-Propanone (acetone)	ND	1500	ug/kg dry	50	08/28/15	B5H2803	8260	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	370	ug/kg dry	50	08/28/15	B5H2803	8260	
107-13-1	Acrylonitrile	ND	- 370 [°]	ug/kg dry	.50	08/28/15	B5H2803	8260	and the same
71-43-2	Benzene	ND	74	ug/kg dry	50	08/28/15	B5H2803	8260	
108-86-1	Bromobenzene	ND	74	ug/kg dry	50	08/28/15	B5H2803	8260	to the second control of the second
74-97-5	Bromochloromethane	ND	74	ug/kg dry	50	08/28/15	B5H2803	8260	
75-27-4	Bromodichloromethane	ND	74	ug/kg dry	50	08/28/15	B5H2803	8260	
75-25-2	Bromoform	ND	74	ug/kg dry	50	08/28/15	B5H2803	8260	
74-83-9	Bromomethane	ND	370	ug/kg dry	50	08/28/15	B5H2803	8260	Principality posterior
75-15-0	Carbon disulfide	ND	74	ug/kg dry	50	08/28/15	B5H2803	8260	
56-23-5	Carbon tetrachloride	ND	74	ug/kg dry	50	08/28/15	B5H2803	8260	
108-90-7	Chlorobenzene	ND	74	ug/kg dry	50	08/28/15	B5H2803	8260	
75-00-3	Chloroethane	ND	- 370	ug/kg dry	50	08/28/15	B5H2803	8260	
67-66-3	Chloroform	. ND	74	ug/kg dry	50	08/28/15	B5H2803	8260	
74-87 - 3	Chloromethane	ND	370	ug/kg dry	50	08/28/15	B5H2803	8260	
156-59-2	cis-1,2-Dichloroethylene	ND	74	ug/kg dry	50	08/28/15	B5H2803	8260	
10061-01-5	cis-1,3-Dichloropropylene	ND	74	ug/kg dry	50	08/28/15	B5H2803	8260	The second second
110-82-7	Cyclohexane	ND	370	ug/kg dry	50	08/28/15	B5H2803	8260	
124-48-1	Dibromochloromethane	ND	74	ug/kg dry	50	08/28/15	B5H2803	8260	
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P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Vola	ntiles	_			-			· · · ·	
74-95-3	Dibromomethane	ND	74	ug/kg dry	50	08/28/15	B5H2803	8260	
75-71-8	Dichlorodifluoromethane	ND	370	ug/kg dry	50	08/28/15	B5H2803	8260	
60-29-7	Diethyl ether	ND	370	ug/kg dry/	50	08/28/15	B5H2803	8260	
108-20-3	Diisopropyl Ether	ND	370	ug/kg dry	50	08/28/15	B5H2803	8260	
100-41-4	Ethylbenzene	ND	74	ug/kg dry	50	08/28/15	B5H2803	8260	
637 - 92-3	Ethyltertiarybutylether	ND	370	ug/kg dry	50	08/28/15	B5H2803	8260 ,	
67-72-1	Hexachloroethane	ND	370	ug/kg dry	50	08/28/15	B5H2803	8260	
98-82-8	Isopropylbenzene	ND	74	ug/kg dry	50	08/28/15	B5H2803	8260	
1330-20-7	m & p - Xylene	ND	150	ug/kg dry	50	08/28/15	B5H2803	8260	
74-88-4	Methyl iodide	ND	74	ug/kg dry	50	08/28/15	B5H2803	8260	
75-09-2	Methylene chloride	ND	370	ug/kg dry	50	08/28/15	B5H2803	8260	
1634-04-4	Methyltertiarybutylether	ND	74	ug/kg dry	50	08/28/15	B5H2803	8260 ,	
91-20-3	Naphthalene	ND	370	ug/kg dry	50	08/28/15	B5H2803	8260	X
104-51-8	n-Butylbenzene	ND	74	ug/kg dry	50	08/28/15	B5H2803	8260	
103-65-1	n-Propylbenzene	ND	74	ug/kg dry	50	08/28/15	B5H2803	8260	
?5-47-6	o-Xylene	ND	74	ug/kg dry	50	08/28/15	B5H2803	8260	
)-87-6	p-Isopropyl toluene	ND	74	ug/kg dry	50	08/28/15	B5H2803	8260	ne de
135-98 - 8	sec-Butylbenzene	ND	74	ug/kg dry	50	08/28/15	B5H2803	8260	
100-42-5	Styrene	ND	74	ug/kg dry	50	08/28/15	B5H2803	8260	
98-06-6	tert-Butylbenzene	ND	74	ug/kg dry	50	08/28/15	B5H2803	8260	
75-65-0	tertiary Butyl Alcohol	ND	3700	ug/kg dry	50	08/28/15	B5H2803	8260	
994-05-8	tertiaryAmylmethylether	ND	370	ug/kg dry	50	08/28/15	B5H2803	8260	
127-18-4	Tetrachloroethylene	ND	74	ug/kg dry	50	08/28/15	B5H2803	8260	
109-99-9	Tetrahydrofuran	ND	370	ug/kg dry	` 50	08/28/15	B5H2803	8260	
108-88-3	Toluene	-ND	74	ug/kg dry	50	08/28/15	B5H2803	8260	
156-60-5	trans-1,2-Dichloroethylene	ND	74	ug/kg dry	50	08/28/15	B5H2803	8260	
10061-02-6	trans-1,3-Dichloropropylene	ND	74 -	ug/kg dry	50	08/28/15	B5H2803	8260	
110-57-6 `	trans-1,4-Dichloro-2-butene	ND	370	ug/kg dry	50	08/28/15	B5H2803	8260	
79-01-6	Trichloroethylene	ND.	74	ug/kg dry	50	08/28/15	B5H2803	8260	
75-69-4	Trichlorofluoromethane	ND	74	ug/kg dry	50	08/28/15	B5H2803	8260	
75-01-4	Vinyl chloride	ND	74	ug/kg dry	50.	08/28/15	B5H2803	8260	
urrogate: Bromof	luorobenzene		145 %	40.3-19	4	08/28/15	B5H2803	8260	
urrogate: Dibrom	ofluoromethane 15		155 %	52.1-21	7	08/28/15	B5H2803	8260	
urrogate: Toluene	-d8		151 %	55.4-19	6	08/28/15	B5H2803	8260	
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P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifie
Organics-Semiv	olatiles			-		_		See r	ote Y20, Y2
20-82-1	1,2,4-Trichlorobenzene	. ND	4800	ug/kg dry	1	09/08/15	B5H2808	8270	
95-95-4	2,4,5-Trichlorophenol	ND	8000	ug/kg dry	1	09/08/15	B5H2808	8270	
8-06-2	2,4,6-Trichlorophenol	ND	8000	ug/kg dry	1	09/08/15	B5H2808	8270	
120-83-2	2,4-Dichlorophenol	ND	8000	ug/kg dry	l	09/08/15	B5H2808	8270	
05-67-9	2,4-Dimethylphenol	ND	8000	ug/kg dry	1.	09/08/15	B5H2808	8270	
1-28-5	2,4-Dinitrophenol	ND	41000	ug/kg dry	1	09/08/15	B5H2808	8270	
21-14-2	-2,4-Dinitrotoluene	ND	6000	ug/kg dry	1	09/08/15	B5H2808	8270	
506-20-2	2,6-Dinitrotoluene	ND	6000	ug/kg dry	1	09/08/15	B5H2808	8270	
1-58-7	2-Chloronaphthalene	ND	4800	ug/kg dry	1	09/08/15	B5H2808	8270	
5-57-8	2-Chlorophenol	ND	8000	ug/kg dry	1	09/08/15	B5H2808	8270	
34-52-1	2-Methyl-4,6-dinitrophenol	ND	41000	ug/kg dry	1	09/08/15	B5H2808	8270	
1-57-6	2-Methylnaphthalene	ND	6000	ug/kg dry	1	09/08/15	B5H2808	8270	omately 2 (1364)
5-48-7	2-Methylphenol (o-Cresol)	ND	8000	ug/kg dry	1	09/08/15	B5H2808	8270	
8-74-4	2-Nitroaniline	ND	12000	ug/kg dry	1	09/08/15	B5H2808	8270	
8-75-5	2-Nitrophenol	ND	8000	ug/kg dry	1	09/08/15	B5H2808	8270	
08394,106445	3 & 4-Methylphenol	ND	16000	ug/kg dry	1	09/08/15	B5H2808	8270	
9-09-2	3-Nitroaniline	ND ···	12000	ug/kg dry	1	09/08/15	B5H2808	8270	
01-55-3	4-Bromophenyl phenyl ether	ND	4800	ug/kg dry	1	09/08/15	B5H2808	8270	Salitanes.
9-50-7	4-Chloro-3-methyl-phenol	ND	4800	ug/kg dry	1	09/08/15	B5H2808	8270	
005-72-3	4-Chlorodiphenylether	ND	2400	ug/kg dry	1	09/08/15	B5H2808	8270	
00-01-6	4-Nitroaniline	ND	12000	ug/kg dry	1 ****	09/08/15	B5H2808	8270	
00-02-7	4-Nitrophenol	ND	41000	ug/kg dry	1	09/08/15	B5H2808	8270	
3-32-9	Acenaphthene	ND	2400	ug/kg dry	1	09/08/15	B5H2808	8270	
08-96-8	Acenaphthylene	ND	2400	ug/kg dry	1	09/08/15	B5H2808	8270	
20-12-7	Anthracene	ND	2400	ug/kg dry	1	09/08/15	B5H2808	8270	
03-33-3	Azobenzene	ND	4800	ug/kg dry	1	09/08/15	B5H2808	8270	
6-55-3	Benz[a]anthracene	ND	2400	ug/kg dry	1	09/08/15	B5H2808	8270	
0-32-8	Benzo[a]pyrene	ND	4800	ug/kg dry	1	09/08/15	B5H2808	8270	
05-99-2	Benzo[b]fluoranthene	ND	4800	ug/kg dry	1	09/08/15	B5H2808	8270	
91-24-2	Benzo[g,h,i]perylene	ND	4800	ug/kg dry	1	09/08/15	B5H2808	8270	
07-08-9	Benzo[k]fluoranthene	ND	4800	ug/kg dry		09/08/15	B5H2808	8270	
00-51 - 6	Benzyl Alcohol	ND	60000	ug/kg dry	1	09/08/15	B5H2808	8270	
11-91-1	Bis(2-chloroethoxy)methane	ND	4800	ug/kg dry	1	09/08/15	B5H2808		
11-44-4	Bis(2-chloroethyl)ether	ND	2400	ug/kg dry	1	09/08/15	B5H2808	8270	The second
08-60-1	Bis(2-chloroisopropyl)ether	ND	2400	ug/kg dry	1	09/08/15	B5H2808	8270	
03-00-1 17 - 81-7	Bis(2-ethylhexyl)phthalate	ND	6000	ug/kg dry	1	09/08/15	B5H2808	8270	
5-68-7	Butyl benzyl phthalate	ND.	6000	ug/kg dry ug/kg dry	1	09/08/15	B5H2808	8270	
6-74-8	Carbazole		6000		_	09/08/15	B5H2808	8270	
0-74-8 18-01-9	AND THE PROPERTY OF THE PROPER	ND ND	2400	ug/kg dry	1	09/08/15	B5H2808	STEEL PROPERTY CONTRACT A CONTRACT AGENCY	
Carrier and Court with a disk at Hillian in analy	Chrysene Diberzia blanthracena	ND ND	4800	ug/kg dry	1	09/08/15	a de la constitución de la const	8270 8270	
3-70-3 32-64-9	Dibenz[a,h]anthracene Dibenzofuran	ND ND	4800 6000	ug/kg dry ug/kg dry	1 Lorente de des	09/08/15	B5H2808 B5H2808	8270 	y P Service Barrier and the



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Sem	ivolatiles							See n	ote Y20, Y25
84-66-2	Diethylphthalate	ND	6000	ug/kg dry	1	09/08/15	B5H2808	8270	
131-11-3	Dimethyl phthalate	ND	6000	ug/kg dry	1	09/08/15	B5H2808	8270	
84-74-2	Di-n-butyl phthalate	ND	6000	ug/kg dry	1 ·	09/08/15	B5H2808	8270	
117-84-0	Di-n-octyl phthalate	. ND	6000	ug/kg dry	1	09/08/15	B5H2808	8270	
206-44-0	Fluoranthene	3200	2400	ug/kg dry	1	09/08/15	B5H2808	8270	
86-73-7	Fluorene	ND'	2400	ug/kg dry	1	09/08/15	B5H2808	8270	
118-74-I	Hexachlorobenzene	ND	4800	ug/kg dry	1	09/08/15	B5H2808	8270	
87-68-3	Hexachlorobutadiene	ND	2400	ug/kg dry	1	09/08/15	B5H2808	8270	
77-47-4	Hexachlorocyclopentadiene	ND	24000	ug/kg dry	1	09/08/15	B5H2808	8270	alkan kalenda da aran aran aran aran aran aran ara
67-72-1	Hexachloroethane	ND	2400	ug/kg dry	1	09/08/15	B5H2808	8270	
193-39-5	Indeno(1,2,3-c,d)pyrene	ND	4800	ug/kg dry	1	09/08/15	B5H2808	8270	
78-59-1	Isophorone	ND	2400	ug/kg dry	1	09/08/15	B5H2808	8270	
91-20-3	Naphthalene	ND	2400	ug/kg dry	1	09/08/15	B5H2808	8270	- No. 100 -
98-95-3	Nitrobenzene	ND	4800	ug/kg dry	1	09/08/15	B5H2808	8270	
67-75-9	N-Nitrosodimethylamine	ND	6000	ug/kg dry	1	09/08/15	B5H2808	8270	***************************************
521-64-7	N-Nitrosodi-n-propylamine	ND	4800	ug/kg dry	1	09/08/15	B5H2808	8270	
6-30-6	N-Nitrosodiphenylamine	ND	4800	ug/kg dry	1	09/08/15	B5H2808	8270	
87-86-5	Pentachlorophenol	ND	41000	ug/kg dry	1	09/08/15	B5H2808	8270	
85-01-8	Phenanthrene	ND	2400	ug/kg dry	1	09/08/15	B5H2808	8270	
108-95-2	Phenol	ND	8000	ug/kg dry	- 1	09/08/15	B5H2808	8270	
129-00-0	Pyrene	3200	2400	ug/kg dry	1	09/08/15	B5H2808	8270	
Surrogate: 2,4,6-T	ribromophenol	No	t Applicable	20.3-11	15	09/08/15	B5H2808	8270	V
Surrogate: 2-Fluor	robiphenyl	, No	t Applicable	32.9-11	15	09/08/15	B5H2808	8270 °	V
Surrogate: 2-Fluo	rophenol	. No	t Applicable	23.7-1	15	09/08/15	B5H2808	8270	7
Surrogate: Nitrobe	enzene-d5	erandar Lackbard Diban	t Applicable	31.8-11	!5	09/08/15	B5H2808	8270	V
Surrogate: Phenol	-d6	CONTRACTOR AND AND AND AND AND AND AND AND AND AND	t Applicable	29.3-11	15	09/08/15	B5H2808	8270	<i>V</i>
Surrogate: p-Terpl		######################################	t Applicable	38.5-11	musik rasis attender Arasi	09/08/15	B5H2808	8270	\boldsymbol{v}



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

					_	Analyzed			
CAS#	Analyte	Result	RL	Units	Dilution	Date	QC Batch	Method	Qualifier
Organics-Pesti	cides					<u>-</u>			See note Y20
789-02-6	2,4'-DDT	81	48	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
72-54-8	4,4'-DDD	240	48	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
72-55-9	4,4'-DDE	180	48	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
50-29-3	4,4'-DDT	340	48	ug/kg dry	1	09/09/15	B5H3117	8081/8082	**************************************
319-84-6	a-BHC	ND	24	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
5103-71-9	a-Chlordane	ND	48	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
309-00-2	Aldrin	ND "	48	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
319-85-7	b-BHC	ND	48	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
319-86-8	d-BHC	ND	48	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
60-57-1	Dieldrin	ND	48	ug/kg dry	1	09/09/15	B5H3117	8081/8082	and the second s
959-98-8	Endosulfan I	ND	48	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
33213-65-9	Endosulfan II	ND	48	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
1031-07-8	Endosulfan sulfate	ND	48	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
72-20-8	Endrin	ND	48	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
7421-93-4	Endrin aldehyde	ND	48	ug/kg dry	1.	09/09/15	B5H3117	8081/8082	
53494-70-5	Endrin ketone	ND	48	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
58-89-9	g-BHC (Lindane)	ND	48	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
5103-74-2	g-Chlordane	ND	48	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
76-44-8	Heptachlor	ND	48	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
1024-57-3	Heptachlor epoxide	ND	48	ug/kg dry	1	09/09/15	B5H3117	8081/8082	•
87-82-1	Hexabromobenzene	ND	240	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
72-43-5	Methoxychlor	ND	120	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
2385-85-5	Mirex	ND	120	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
59080-40-9	PBB (BP-6)	ND	600	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
8001-35-2	Toxaphene	ND	410	ug/kg dry	1	09/09/15	B5H3117	8081/8082	
Surrogate: Decachl	orobiphenyl		71.8 %	30-150)	09/09/15	B5H3117	8081/8082	
Surrogate: Tetrachl	oro-m-xylene		69.8 %	30-150)	09/09/15	B5H3117	8081/8082	



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

QC Batch S B5H3117 S B5H3117 S B5H3117 S B5H3117 S B5H3117 S B5H3117 S B5H3117 S B5H3117 S B5H3117	7 8081/8082 8081/8082 9 8081/8082 9 8081/8082 9 8081/8082 9 8081/8082 9 8081/8082	Qualifier See note Y20 Y21 JD
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B510101	6020/200.8	
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P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

						Analyzed			
CAS#	Analyte	Result	RL	Units	Dilution	Date	QC Batch	Method	Qualifier
Organics-Volat	tiles								
630-20-6	1,1,1,2-Tetrachloroethane	ND	75	ug/kg dry	50	08/28/15	B5H2803	8260	
71-55-6	1,1,1-Trichloroethane	ND	75	ug/kg dry	50	08/28/15	B5H2803	8260	
79-34-5	1,1,2,2-Tetrachloroethane	ND	75	ug/kg dry	50	08/28/15	B5H2803	8260	
19-00-5	1,1,2-Trichloroethane	ND	75	ug/kg dry	150	08/28/15	B5H2803	8260	
75-34-3	1,1-Dichloroethane	ND .	75	ug/kg dry	50	08/28/15	B5H2803	8260	
5-35-4	1,1-Dichloroethylene	ND	75	ug/kg dry	50	08/28/15	B5H2803	8260	
7-61-6	1,2,3-Trichlorobenzene	ND	380	ug/kg dry	50	08/28/15	B5H2803	8260	
6-18-4	1,2,3=Trichloropropane	ND	75	ug/kg dry	50	08/28/15	B5H2803	8260	
26-73-8	1,2,3-Trimethylbenzene	ND	75	ug/kg dry	50	08/28/15	B5H2803	8260	
20-82-1	1,2,4-Trichlorobenzene	ND	380	ug/kg dry	50	08/28/15	B5H2803	8260	
5-63-6	1,2,4-Trimethylbenzene	ND	75	ug/kg dry	50	08/28/15	B5H2803	8260	
6-12-8	1,2-Dibromo-3-chloropropane	ND	380	ug/kg dry	50	08/28/15	B5H2803	8260	
06-93-4	1,2-Dibromoethane	ND	75	ug/kg dry	50	08/28/15	B5H2803	8260	
5-50-1	1,2-Dichlorobenzene	ND	75	ug/kg dry	50	08/28/15	B5H2803	8260	
07-06-2	1,2-Dichloroethane	ND	75	ug/kg dry	50	08/28/15	B5H2803	8260	
8-87-5	1,2-Dichloropropane	ND	75	ug/kg dry	50	08/28/15	B5H2803	8260	
08-67-8	1,3,5-Trimethylbenzene	ND	75	ug/kg dry	50	08/28/15	B5H2803	8260	(
41-73-1	1,3-Dichlorobenzene	ND	75	ug/kg dry	50	08/28/15	B5H2803	8260	
06-46-7	1,4-Dichlorobenzene	ND	75	ug/kg dry	50	08/28/15	B5H2803	8260	
8-93-3	2-Butanone (MEK)	ND	380	ug/kg dry	50	08/28/15	B5H2803	8260	
91-78-6	2-Hexanone	ND	380	ug/kg dry	50	08/28/15	B5H2803	8260	ener (1900)
1-57-6	2-Methylnaphthalene	ND	380	ug/kg dry	50	08/28/15	B5H2803	8260	X
7-64-1	2-Propanone (acetone)	· ND	1500	ug/kg dry	50	08/28/15	B5H2803	8260	in i and in the second second second second
08-10-1	4-Methyl-2-pentanone (MIBK)	ND	380	ug/kg dry	50	08/28/15	B5H2803	8260	
07-13-1	Acrylonitrile	ND	380	ug/kg dry	50	08/28/15	B5H2803	8260	
1-43-2	Benzene	ND	75	ug/kg dry	50	08/28/15	B5H2803	8260	
08 - 86-1	Bromobenzene	ND	75	ug/kg dry	50	08/28/15	B5H2803	8260	
4-97-5	Bromochloromethane	ND	75	ug/kg dry	50	08/28/15	B5H2803	8260	
5-27-4	Bromodichloromethane	ND	75	ug/kg dry	50	08/28/15	B5H2803	8260	V/2
'5-25-2	Bromoform	ND	75	ug/kg dry	50	08/28/15	B5H2803	8260	
'4 - 83-9	Bromomethane	ND	380	ug/kg dry	50	08/28/15	B5H2803	8260	Spect David Land Special St
75-15-0	Carbon disulfide	ND	75	ug/kg dry	50	08/28/15	B5H2803	8260	
6-23-5	Carbon tetrachloride	ND	75	ug/kg dry	50	08/28/15	B5H2803	8260	
08-90-7	Chlorobenzene	ND	75	ug/kg dry	50	08/28/15	B5H2803	8260	
'5-00-3	Chloroethane	ND	380	ug/kg dry	50	08/28/15	B5H2803	8260	
5-00-3 57-66-3	Chloroform	ND	75	ug/kg dry	50	08/28/15	B5H2803	8260	
7-00-3 74-87-3	Chloromethane	ND	380	ug/kg dry	50	08/28/15	B5H2803	8260	
AND ADDRESS OF THE PARTY OF THE	cis-1,2-Dichloroethylene	erane united the sector and the calestanding or	75	ug/kg dry	50	08/28/15	B5H2803	8260	
56-59-2	is de de la company de la comp	ND ND	75	Constant of the Contract of th	50	08/28/15	B5H2803	8260	* 1818)
0061-01-5	cis-1,3-Dichloropropylene	ND	380	ug/kg dry ug/kg dry	50	08/28/15	B5H2803	8260	
10-82-7 24-48-1	Cyclohexane Dibromochloromethane	ND ND	. 380 75	ug/kg dry ug/kg dry	50	08/28/15	B5H2803	8260	



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	, Qualifier
Organics-Vola	itiles								
74-95-3	Dibromomethane	ND	75	ug/kg dry	50	08/28/15	B5H2803	8260	
75-71-8	Dichlorodifluoromethane	ND	380	ug/kg dry	50	08/28/15	B5H2803	8260	interior de la compactica de la compactica de la compactica de la compactica de la compactica de la compactica
60-29-7	Diethyl ether	ND	380	ug/kg dry	. 50	08/28/15	B5H2803	8260	
108-20-3	Diisopropyl Ether	· ND	380	ug/kg dry	50	08/28/15	B5H2803	8260	
100-41-4	Ethylbenzene	ND	75	ug/kg dry	50	08/28/15	B5H2803	8260	
637-92-3	Ethyltertiarybutylether	ND	380	ug/kg dry	50	08/28/15	B5H2803	8260	
67-72-1	Hexachloroethane	ND	380	ug/kg dry	50	08/28/15	B5H2803	8260	
98-82-8	Isopropylbenzene	ND	75	ug/kg dry	50	08/28/15	B5H2803	8260	
1330-20-7	m & p - Xylene	: ND	150	ug/kg dry	50	08/28/15	B5H2803	8260	
74-88-4	Methyl iodide	ND	75	ug/kg dry	50	08/28/15	B5H2803	8260	e en en en en en en en en en en en en en
75-09-2	Methylene chloride	ND	380	ug/kg dry	50	08/28/15	B5H2803	8260	
1634-04-4	Methyltertiarybutylether	ND	75	ug/kg dry	50	08/28/15	B5H2803	8260	Milestonia (1966), propinska pol
91-20-3	Naphthalene	ND	380	ug/kg dry	50	08/28/15	B5H2803	8260	X
104-51-8	n-Butylbenzene	ND	75	ug/kg dry	50	08/28/15	B5H2803	8260	
103-65-1	n-Propylbenzene	ND	75	ug/kg dry	50.	08/28/15	B5H2803	8260	
? 5-47-6	o-Xylene	ND	75	ug/kg dry	50	08/28/15	B5H2803	8260	a for the distance dillation is
9-87-6	p-Isopropyl toluene	ND	75	ug/kg dry	50	08/28/15	B5H2803	8260	
135-98-8	sec-Butylbenzene	ND	75	ug/kg dry	50	08/28/15	B5H2803	8260	
100-42-5	Styrene	ND	75	ug/kg dry	50	08/28/15	B5H2803	8260	
98-06-6	tert-Butylbenzene -	ND	75	ug/kg dry	50	08/28/15	B5H2803	8260	
75-65-0	tertiary Butyl Alcohol	ND	3800	ug/kg dry	50	08/28/15	B5H2803	8260	
994-05-8 .	tertiaryAmylmethylether	ND	380	ug/kg dry	50	08/28/15	B5H2803	8260	
127-18-4	Tetrachloroethylene	ND	75	ug/kg dry	50	08/28/15	B5H2803	8260	
109-99-9	Tetrahydrofuran	ND	380	ug/kg dry	50	08/28/15	B5H2803	8260	decement of the second of the
108-88-3	Toluene	ND .	. 75	ug/kg dry	50	08/28/15	B5H2803	8260	
156-60-5	trans-1,2-Dichloroethylene	ND	75	ug/kg dry	50	08/28/15	B5H2803	8260	State declarate SSS SSS SSS SSS SSS SSS SSS SSS SSS S
10061-02-6	trans-1,3-Dichloropropylene	ND	75	ug/kg dry	50	08/28/15	B5H2803	8260	
110-57-6	trans-1,4-Dichloro-2-butene	ND	380	ug/kg dry	50	08/28/15	B5H2803	8260	
79-01-6	Trichloroethylene	ND	75	ug/kg dry	50	08/28/15	B5H2803	8260	
75-69-4	Trichlorofluoromethane	ND	75	ug/kg dry	50	08/28/15	B5H2803	8260	
75-01-4	Vinyl chloride	ND	75	ug/kg dry	50	08/28/15	B5H2803	8260	
Surrogate: Bromof	luorobenzene		128 %	40.3-1.	94	08/28/15	B5H2803	8260	,
Surrogate: Dibrom	ofluoromethane		139 %	52.1-2	17	08/28/15	B5H2803	8260	
Surrogate: Toluene	and the second s		136 %	55.4-1	06	08/28/15	B5H2803	8260	



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Semiv	olatiles		-				,	See 1	ote Y20, Y25
120-82-1	1,2,4-Trichlorobenzene	ND	2400	ug/kg dry	1	09/08/15	B5H2808	8270	
95-95-4	2,4,5-Trichlorophenol	ND	4000	ug/kg dry	1	09/08/15	B5H2808	8270	and the second
88-06-2	2,4,6-Trichlorophenol	ND	4000	ug/kg dry	1	09/08/15	B5H2808	8270	
120-83-2	2,4-Dichlorophenol	ND	4000	ug/kg dry	1	09/08/15	B5H2808	8270	
105-67-9	2,4-Dimethylphenol	ND	4000	ug/kg dry	1	09/08/15	B5H2808	8270	
51-28-5	2,4-Dinitrophenol	ND	20000	ug/kg dry	1	09/08/15	B5H2808	8270	
121-14-2	2,4-Dinitrotoluene	ND	3000	ug/kg dry	1	09/08/15	B5H2808	8270	
506-20-2	2,6-Dinitrotoluene	ND	3000	ug/kg dry	1	09/08/15	B5H2808	8270	er en en en er er er en en en en en en en en en en en en en
91-58-7	2-Chloronaphthalene	ND	2400	ùg/kg dry	1	09/08/15	B5H2808	8270	
95-57-8	2-Chlorophenol	ND	4000	ug/kg dry	, 1	09/08/15	B5H2808	8270	er en en en en en en en en en en en en en
534-52-1	2-Methyl-4,6-dinitrophenol	ND	20000	ug/kg dry	1 ,	09/08/15	B5H2808	8270	
91-57-6	2-Methylnaphthalene	ND	3000	ug/kg dry	1	09/08/15	B5H2808	8270	
95-48-7	2-Methylphenol (o-Cresol)	ND	4000	ug/kg dry	1	09/08/15	B5H2808	8270	
38-74-4	2-Nitroaniline	ND	6000	ug/kg dry	1	09/08/15	B5H2808	8270	
38-75-5	2-Nitrophenol	ND	4000	ug/kg dry	1	09/08/15	B5H2808	8270	
08394,106445	3 & 4-Methylphenol	ND	8000	ug/kg dry	1	09/08/15	B5H2808	8270	
9-09-2	3-Nitroaniline	ND	6000	ug/kg dry	1	09/08/15	B5H2808	8270	
01-55-3	4-Bromophenyl phenyl ether	ND	2400	ug/kg dry	1	09/08/15	B5H2808	8270	
59-50-7	4-Chloro-3-methyl-phenol	ND	2400	ug/kg dry	i	09/08/15	B5H2808	8270	
7005-72-3	4-Chlorodiphenylether	ND	1200	ug/kg dry	1	09/08/15	B5H2808	8270	
00-01-6	4-Nitroaniline	ND	-6000	ug/kg dry	1	09/08/15	B5H2808	8270	
100-02-7	4-Nitrophenol	ND	20000	ug/kg dry	1	09/08/15	B5H2808	8270	
33-32-9	Acenaphthene	ND	-1200	ug/kg dry	1	09/08/15	B5H2808	8270	
208-96-8	Acenaphthylene	ND	1200	ug/kg dry	1 .	. 09/08/15	B5H2808	8270	
120-12-7	Anthracene	ND.	1200	ug/kg dry	1	09/08/15	B5H2808	8270	
103-33-3	Azobenzene	ND	2400	ug/kg dry	1	09/08/15	B5H2808	8270	
56-55-3	Benz[a]anthracene	ND	1200	ug/kg dry	1	09/08/15	B5H2808	- 8270	
50-32-8	Benzo[a]pyrene	ND	2400	ug/kg dry	1	09/08/15	B5H2808	8270	
205-99-2	Benzo[b]fluoranthene	ND-	- 2400	ug/kg dry	1	09/08/15	B5H2808	8270	
191-24-2	Benzo[g,h,i]perylene	ND	2400	ug/kg dry	1	09/08/15	B5H2808	8270	<u> </u>
207-08-9	Benzo[k]fluoranthene	ND	2400	ug/kg dry	1	09/08/15	B5H2808	8270	
100-51-6	Benzyl Alcohol	ND	30000	ug/kg dry	1	09/08/15	B5H2808	8270	Control of the Contro
11-91-1	Bis(2-chloroethoxy)methane	ND	2400	ug/kg dry	1.	09/08/15	B5H2808	8270	
11-44-4	Bis(2-chloroethyl)ether	ND	1200	ug/kg dry	1	09/08/15	B5H2808	8270	ka dina ka
08-60-1	Bis(2-chloroisopropyl)ether	ND	1200	ug/kg dry	1	09/08/15	B5H2808	8270	
17-81-7	Bis(2-ethylhexyl)phthalate	ND	3000	ug/kg dry	1	09/08/15	B5H2808	8270	ar ar brit
35-68-7	Butyl benzyl phthalate	ND	3000	ug/kg dry	1	09/08/15	B5H2808	8270	
36-74-8	Carbazole	ND	3000	ug/kg dry	1	09/08/15	B5H2808	8270	
218-01-9	Chrysene	ND	1200	ug/kg dry	1	09/08/15	B5H2808	8270	
53-70-3	Dibenz[a,h]anthracene	ND	2400	ug/kg dry	1	09/08/15	B5H2808	8270	
132-64-9	Dibenzofuran	ND	3000	ug/kg dry	eng spendid	09/08/15	B5H2808	8270 8270	



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

CAS#	- Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Ser	nivolatiles					-	,	See n	ote Y20, Y2
84-66-2	Diethylphthalate	ND	3000	ug/kg dry	1	09/08/15	B5H2808	8270	
131-11-3	Dimethyl phthalate	ND	3000	ug/kg dry	1	09/08/15	B5H2808	8270	
84-74-2	Di-n-butyl phthalate	ND	3000	ug/kg dry	1	09/08/15	B5H2808	8270	
117-84-0	Di-n-octyl phthalate	ND	3000	ug/kg dry	1	09/08/15	B5H2808	8270	
206-44-0	Fluoranthene	ND	1200	ug/kg dry	1	09/08/15	B5H2808	8270	
86-73-7	Fluorene	ND	1200	ug/kg dry	1. 21.7	09/08/15	B5H2808	8270	
118-74-1	Hexachlorobenzene	ND	2400	ug/kg dry	1	09/08/15	B5H2808	8270	i i i i i i i i i i i i i i i i i i i
87-68-3	Hexachlorobutadiene	ND	1200	ug/kg dry	1	09/08/15	B5H2808	8270	
77-47-4	Hexachlorocyclopentadiene	ND	12000	ug/kg dry	1	09/08/15	B5H2808	8270	
67-72-1	Hexachloroethane	ND	1200	ug/kg dry	1	09/08/15	B5H2808	8270	
193-39-5	Indeno(1,2,3-c,d)pyrene	ND	2400	ug/kg dry	I	09/08/15	B5H2808	8270	
78-59-1	Isophorone	ND .	1200	ug/kg dry	1	09/08/15	B5H2808	8270	
91-20-3	Naphthalene	ND	1200	ug/kg dry	1	09/08/15	B5H2808	8270	. *** ** ***** **************
98-95-3	Nitrobenzene	ND	2400	ug/kg dry	1	09/08/15	B5H2808	8270	
67-75-9	N-Nitrosodimethylamine	ND	3000	ug/kg dry	1	09/08/15	B5H2808	8270	
(21-64-7	N-Nitrosodi-n-propylamine	ND	2400	ug/kg dry	1	09/08/15	B5H2808	8270	
6-30-6	N-Nitrosodiphenylamine	ND	2400	ug/kg dry	1	09/08/15	B5H2808	8270	
87-86-5	Pentachlorophenol	ND	20000	ug/kg dry	1	09/08/15	B5H2808	8270	
35-01-8	Phenanthrene	ND	1200	ug/kg dry	1	09/08/15	B5H2808	8270	
108-95-2	i Phenol	ND.	4000	ug/kg dry	1.	09/08/15	B5H2808	8270	
129-00-0	Pyrene	NĐ	1200	ug/kg dry	1	09/08/15	B5H2808	8270	*** ****
urrogate: 2,4,6-	Tribromophenol		40.4 %	20.3-11	5	09/08/15	B5H2808	8270	
urrogate: 2-Flue	orobiphenyl	**************************************	64.8 %	32.9-11	5	09/08/15	B5H2808	8270	
urrogate: 2-Flu	prophenol		35.7%	23.7-11	5	09/08/15	B5H2808	8270	
urrogate: Nitrol	enzene-d5	erroren erroreta eta eta erroren erroren erroren erroren erroren erroren erroren erroren erroren erroren error	58.5 %	31.8-11	5	09/08/15	B5H2808	8270	
urrogate: Phenc	1-d6		50.9 %	29.3-11	5	09/08/15	B5H2808	8270	
urrogate: p-Terp	phenyl-d14	and the second s	80.5 %	38.5-11	<u></u>	09/08/15	B5H2808	8270	



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Pes	ticides								
789-02-6	2,4'-DDT	15	24	ug/kg dry	1	09/10/15	B5H3117	8081/8082	T
72-54-8	4,4'-DDD	25	24	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
72-55-9	4,4'-DDE	60	. 24	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
50-29-3	4,4'-DDT	77	24	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
319-84-6	a-BHC	ND	12	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
5103-71-9	a-Chlordane	ND	24	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
309-00-2	Aldrin	ND	. 24	ug/kg dry	1	09/10/15	B5H3117	8081/8082	and the second
319-85-7	b-BHC	- ND	24	ug/kg dry	1	09/10/15	B5H3117	8081/8082	n ween e generalise e e ewen e e e e e e e e e e e e e e e
319-86-8	d-BHC	ND	24	ug/kg dry	1	09/10/15	B5H3117	.8081/8082	
60-57-1	Dieldrin .	ND	24	ug/kg dry	1	09/10/15	B5H3117	8081/8082	44 44 44 44 44 44 44 44 44 44 44 44 44
959-98-8	Endosulfan I	ND	24	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
33213-65-9	Endosulfan II	ND	24	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
1031-07-8	Endosulfan sulfate	ND	24	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
72-20-8	Endrin .	ND	24	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
7421-93-4	Endrin aldehyde	ND	24	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
53494-70-5	Endrin ketone	ND	24	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
58-89-9	g-BHC (Lindane)	ND	. 24	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
5103-74-2	g-Chlordane	ND	24	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
76-44-8	Heptachlor	ND	24	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
1024-57-3	Heptachlor epoxide	ND	24	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
87-82-1	Hexabromobenzene	ND	120	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
72-43-5	Methoxychlor	ND	60	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
2385-85-5	Mirex	ND .	60	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
59080-40-9	PBB (BP-6)	, ND	300	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
8001-35-2	Toxaphene	ND	. 200	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
Surrogate: Decad	chlorobiphenyl		56.3 %	30-150)	09/10/15	B5H3117	8081/8082	
Surrogate: Tetrac	hloro-m-xylene		71.6%	30-150)	09/10/15	B5H3117	8081/8082	



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

CAS#	Analyte	Result	RL_	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifie
Organics-PCB	s as Aroclors							-	
12674-11-2	Aroclor 1016	ND	120	ug/kg dry	1	09/14/15	B5H3117	8081/8082	
11104-28-2	Aroclor 1221	ND	120	ug/kg dry	1	09/14/15	B5H3117	8081/8082	
11141-16-5	Aroclor 1232	ND	120	ug/kg dry	1	09/14/15	B5H3117	8081/8082	
53469-21-9	Aroclor 1242	ND .	120	ug/kg dry	1	09/14/15	B5H3117	8081/8082	
2672-29-6	Aroclor 1248	ND	120	ug/kg dry	1	09/14/15	B5H3117	8081/8082	
11097-69-1	Aroclor 1254	· ND	120	ug/kg dry	1	09/14/15	B5H3117 .	8081/8082	7 II. L. L. L
11096-82-5	Aroclor 1260	170	120	ug/kg dry	1	09/14/15	B5H3117	8081/8082	
37324-23-5	Aroclor 1262	ND	180	ug/kg dry	1.	09/14/15	B5H3117	8081/8082	Y21
11100-14-4	Aroclor 1268	ND	120	ug/kg dry	1	09/14/15	B5H3117	8081/8082	
urrogate: Decach	lorobiphenyl		56.3 %	30-15	0	09/14/15	B5H3117	8081/8082	
urrogate: Tetrach	loro-m-xylene		71.6 %	30-15	9	09/14/15	B5H3117	8081/8082	
norganics-Ge	neral Chemistry								
rs .	% Total Solids	83.0	0.1	%	I	08/27/15	B5H2709	2540 B	
7-12-5	Total Cyanide	0.28	0.12	mg/kg dry	1	09/03/15	B5I0207	ASTM D7284	
organics-Me	etals								
140-36-0	Antimony	0.5	0.3	mg/kg dry	10	09/08/15	B5H3103	6020/200.8	
440-38-2	Arsenic	3.5	0.5	mg/kg dry	10	09/04/15	B5I0101	6020/200.8	
7440-39-3	Barium	47	1.0	mg/kg dry	10	09/04/15	B510101	6020/200.8	
440-41-7	Beryllium	0.2	0.2	mg/kg dry	10	09/04/15	B5I0101	6020/200.8	
7440-43-9	Cadmium	1.0	0.2	mg/kg dry	10	09/04/15	B5I0101	6020/200.8	
440-47-3	· Chromium	14	2.0	mg/kg dry	10	09/04/15	B5I0101	6020/200.8	
440-48-4	Cobalt	3.2	0.5	mg/kg dry	10	09/04/15	B5I0101	6020/200.8	
440-50-8	Copper	19	1.0	mg/kg dry	. 10	09/04/15	B5I0101	6020/200.8	
439-89-6	Iron	9100	5.0	mg/kg dry	10	09/11/15	B510101	6010/200.7	A09
439-92-1	Lead	110	1.0	mg/kg dry	10	09/04/15	B5I0101	6020/200.8	
439-96-5	Manganese	150	1.0	mg/kg dry	10	09/04/15	B5I0101	6020/200.8	
439-97-6	Mercury	0.1	0.06	mg/kg dry	1	09/10/15	B510902	7471/245.5	
439-98-7	Molybdenum	ND	1.0	mg/kg dry	10	09/04/15	B510101	6020/200.8	
440-02-0	Nickel	11	1.0	mg/kg dry	10	09/04/15	B510101	6020/200.8	
782-49-2	Selenium	0:8	0.2	mg/kg dry	10	09/04/15	B510101		
440-22-4	Silver	0.4	0.1	mg/kg dry	10	09/04/15	B5I0101	6020/200.8 6020/200.8	
440-28-0	Thallium	v.4 ND	0.5	mg/kg dry	10	09/04/15	B510101	6020/200.8	
and the second second second second second		INL/		me ve my	10	3710T/12	יייייייייי	0020/200.0	
440-62-2	Vanadium	13	1.0	mg/kg dry	10	09/04/15	B5I0101	6020/200.8	



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

									•
CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Vola	itiles								
630-20-6	1,1,1,2-Tetrachloroethane	ND	100	ug/kg dry	50	.08/28/15	B5H2803	8260	
71-55-6	1,1,1-Trichloroethane	ND	100	ug/kg dry	50	08/28/15	B5H2803	8260	History (22)
79-34-5	1,1,2,2-Tetrachloroethane	ND	100	ug/kg dry	50	08/28/15	B5H2803	8260	
79-00-5	1,1,2-Trichloroethane	ND	100	ug/kg dry	50	08/28/15	B5H2803	8260	
75-34-3	1,1-Dichloroethane	ND	100	ug/kg dry	50	08/28/15	B5H2803	8260	territorio de la composició de la compos
75-35-4	1,1-Dichloroethylene	ND .	100	ug/kg dry	50	08/28/15	B5H2803	8260	
87-61-6	1,2,3-Trichlorobenzene	ND	520	ug/kg dry	50	08/28/15	B5H2803	8260	data da arabida da arabida da arabida da arabida da arabida da arabida da arabida da arabida da arabida da arab
96-18-4	1,2,3-Trichloropropane	ND	100	ug/kg dry	50	08/28/15	B5H2803	8260	
526-73-8	1,2,3-Trimethylbenzene	ND	100	ug/kg dry	50	08/28/15	B5H2803	8260	
120-82-1	1,2,4-Trichlorobenzene	ND.	520	ug/kg dry	50	08/28/15	B5H2803	8260	
95-63-6	1,2,4-Trimethylbenzene	ND	100	ug/kg dry	50	08/28/15	B5H2803	8260	o en en en en en en en en en en en en en
96-12-8	1,2-Dibromo-3-chloropropane	ND 1	520	ug/kg dry	50	08/28/15	B5H2803	8260	
106-93-4	1,2-Dibromoethane	ND	100	ug/kg dry	50	08/28/15	B5H2803	8260	and the second
95-50-1	1,2-Dichlorobenzene	ND .	100.	ug/kg dry	50	08/28/15	· B5H2803	8260	
107-06-2	1,2-Dichloroethane	ND	100	ug/kg dry	50	08/28/15	B5H2803	8260	neritain in 2000 not 2000 not
78-87-5	1,2-Dichloropropane	ND	1.00	ug/kg dry	50	08/28/15	B5H2803	8260	
108-67-8	1,3,5-Trimethylbenzene	ND	100	ug/kg dry	50	08/28/15	B5H2803	8260	(
541-73-1	1,3-Dichlorobenzene	ND	100	ug/kg dry	50	08/28/15	B5H2803	8260	
106-46-7	1,4-Dichlorobenzene	ND	100	ug/kg dry	50	08/28/15	B5H2803	8260	······································
78-93-3	2-Butanone (MEK)	ND	520	ug/kg dry	50	08/28/15	B5H2803	8260	
591-78-6	2-Hexanone	ND	520	ug/kg dry	50	08/28/15	B5H2803	8260	
91-57-6	2-Methylnaphthalene	ND	520	ug/kg dry	50	08/28/15	B5H2803	8260	· · · · X
67-64-1	2-Propanone (acetone)	ND	2100	ug/kg dry	50	08/28/15	B5H2803	8260	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	520	ug/kg dry	50	08/28/15	B5H2803	8260	
107-13-1	Acrylonitrile	ND	520	ug/kg dry	50	08/28/15	B5H2803	8260	
71-43-2	Benzene	ND	100	ug/kg dry	50	08/28/15	B5H2803	8260	
108-86-1	Bromobenzene	ND	100	ug/kg dry	50	08/28/15	B5H2803	8260	
74-97-5	Bromochloromethane	ND	100	ug/kg dry	50	08/28/15	B5H2803	8260	
75-27-4	Bromodichloromethane	ND	100	ug/kg dry	50	08/28/15	B5H2803	8260	
75-25-2	Bromoform	ND '	100	ug/kg dry	50	08/28/15	B5H2803	8260	
74-83-9	Bromomethane	ND	520	ug/kg dry	50	08/28/15	B5H2803	8260	
75-15-0	Carbon disulfide	ND	100	ug/kg dry	50	08/28/15	B5H2803	8260	
56-23-5	Carbon tetrachloride	ND ·	100	ug/kg dry	50	08/28/15	B5H2803	8260	
108-90-7	Chlorobenzene	ND	100	ug/kg dry	50	08/28/15	B5H2803	8260	
75-00-3	Chloroethane	ND	520	ug/kg dry	50	08/28/15	B5H2803	8260	
67-66-3	Chloroform	. ND	100	ug/kg dry	50	08/28/15	B5H2803	8260	
74-87-3	Chloromethane	ND	520	ug/kg dry	50	08/28/15	B5H2803	8260	
156-59-2	cis-1,2-Dichloroethylene	ND	100	ug/kg dry	50	08/28/15	B5H2803	8260	
10061-01-5	cis-1,3-Dichloropropylene	ND	100	ug/kg dry	50	08/28/15	B5H2803	8260	50.6", Bellinio (196
110-82-7	Cyclohexane	ND.	520	ug/kg dry	50	08/28/15	B5H2803	8260	
124-48-1	Dibromochloromethane	ND	100	ug/kg dry	50	08/28/15	B5H2803	8260	



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Vola	tiles								
74-95-3	Dibromomethane	ND	100	ug/kg dry	50.	08/28/15	B5H2803	8260	
75-71-8	Dichlorodifluoromethane	ND	520	ug/kg dry	50	08/28/15	B5H2803	8260	
60-29-7	Diethyl ether	ND	520	ug/kg dry	50	08/28/15	B5H2803	8260	
108-20-3	Diisopropyl Ether	ND	520	ug/kg dry	50	08/28/15	B5H2803	8260	
100-41-4	Ethylbenzene	ND	100	ug/kg dry	50	08/28/15	B5H2803	8260	
637-92-3	Ethyltertiarybutylether	ND	520	ug/kg dry	50·	08/28/15	B5H2803	8260	
67-72-1	Hexachloroethane	ND	520	ug/kg dry	50	08/28/15	B5H2803	8260	
98-82-8	Isopropylbenzene	ND	100	ug/kg dry	50	08/28/15	B5H2803	8260	
1330-20-7	m & p - Xylene	ND	210	ug/kg dry	50	08/28/15	B5H2803	8260	
74-88-4	Methyl iodide	ND	100	ug/kg dry	50	08/28/15	B5H2803	8260	and the second
75-09-2	Methylene chloride	ND	520	ug/kg dry	50	08/28/15	B5H2803	8260	
1634-04-4	Methyltertiarybutylether	ND	100	ug/kg dry	50	08/28/15	B5H2803	8260	
91-20-3	Naphthalene	ND	520	ug/kg dry	50	08/28/15	B5H2803	8260	X
104-51-8	n-Butylbenzene	ND	100	ug/kg dry	50	08/28/15	B5H2803	8260	
103-65-1	n-Propylbenzene	ND	100	ug/kg dry	50	08/28/15	B5H2803	8260	
₽5-47-6	o-Xylene	ND	100	ug/kg dry	50 .	08/28/15	B5H2803	8260	
)-87-6	p-Isopropyl toluene	ND	100	ug/kg dry	50	08/28/15	B5H2803	8260	
135-98-8	sec-Butylbenzene	ND	100	ug/kg dry	50	08/28/15	B5H2803	8260	
100-42-5	Styrene	ND	100	ug/kg dry	50	08/28/15	B5H2803	8260	
98-06-6	tert-Butylbenzene	ND	100	ug/kg dry	50	08/28/15	B5H2803	8260	
75-65-0	tertiary Butyl Alcohol	ND	5200	ug/kg dry	50	08/28/15	B5H2803	-8260	
994-05-8	tertiaryAmylmethylether	ND	520	ug/kg dry	- 50	08/28/15	B5H2803	8260	
127-18-4	Tetrachloroethylene	360	100	ug/kg dry	50	08/28/15	B5H2803	8260	
109-99-9	Tetrahydrofuran	ND	520	ug/kg dry	50	08/28/15	B5H2803	8260	222
108-88-3	Toluene	ND	100	ug/kg dry	50	08/28/15	B5H2803	8260	
156-60-5	trans-1,2-Dichloroethylene	ND	100	ug/kg dry	50	08/28/15	B5H2803	8260	
10061-02-6	trans-1,3-Dichloropropylene	ND	100	ug/kg dry	50	08/28/15	B5H2803	8260	
110-57-6	trans-1,4-Dichloro-2-butene	ND	520	ug/kg dry	50	08/28/15	B5H2803	8260.	
79-01-6	Trichloroethylene	ND	100	ug/kg dry	50	08/28/15	B5H2803	8260	
75-69-4	Trichlorofluoromethane	ND	100	ug/kg dry	50	08/28/15	B5H2803	8260	
75-01-4	Vinyl chloride	ND	100	ug/kg dry	50	08/28/15	B5H2803	8260	
Surrogate: Bromofl	uorobenzene	,	148 %	40.3-19	04	08/28/15	B5H2803	8260	
Surrogate: Dibrom	oftuoromethane		153 %	52.1-21	7	08/28/15	B5H2803	8260	
Surrogate: Toluene	·d8		151 %	55.4-19	96	08/28/15	B5H2803	8260	***************************************



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Semiv	olatiles							See r	ote Y20, Y25
120-82-1	1,2,4-Trichlorobenzene	ND %	-5500	ug/kg dry	1	09/08/15	B5H2808	8270	
95-95-4	2,4,5-Trichlorophenol	ND	9100	ug/kg dry	1	09/08/15	B5H2808	8270	
88-06-2	2,4,6-Trichlorophenol	ND	9100	ug/kg dry	1	09/08/15	B5H2808	8270	
120-83-2	2,4-Dichlorophenol	ND	9100	ug/kg dry	1	09/08/15	B5H2808	8270	
105-67-9	2,4-Dimethylphenol	ND	9100	ug/kg dry	1	09/08/15	B5H2808	8270	
51-28-5	2,4-Dinitrophenol	ND	47000	ug/kg dry	1	09/08/15	B5H2808	8270	
121-14-2	2,4-Dinitrotoluene	ND	6900	ug/kg dry	1	09/08/15	B5H2808	8270	
606-20-2	2,6-Dinitrotoluene	ND	6900	ug/kg dry	1	09/08/15	B5H2808	8270	
91-58-7	2-Chloronaphthalene	ND	5500	ug/kg dry	1	09/08/15	B5H2808	8270	
95-57-8	2-Chlorophenol	ND	9100	ug/kg dry	1	09/08/15	B5H2808	8270	
534-52-1	2-Methyl-4,6-dinitrophenol	ND	47000	ug/kg dry	1	09/08/15	B5H2808	8270	
91-57-6	2-Methylnaphthalene	ND	6900	ug/kg dry	1	09/08/15	B5H2808	8270	AND AND AND AND AND AND AND AND AND AND
95-48-7	2-Methylphenol (o-Cresol)	ND	9100	ug/kg dry	1	09/08/15	B5H2808	8270	
88-74-4	2-Nitroaniline	ND	14000	ug/kg dry	1	09/08/15	B5H2808	8270	
88-75-5	2-Nitrophenol	ND	9100	ug/kg dry	1	09/08/15	B5H2808	8270	
108394,106445	3 & 4-Methylphenol	ND	18000	ug/kg dry	1	09/08/15	B5H2808	8270	
99-09-2	3-Nitroaniline	ND	14000	ug/kg dry	1	09/08/15	B5H2808	8270	eserene ì
101-55-3	4-Bromophenyl phenyl ether	ND	5500	ug/kg dry	1	09/08/15	B5H2808	8270	
59-50-7	4-Chloro-3-methyl-phenol	ND	5500	ug/kg dry	1	09/08/15	B5H2808	8270	
7005-72-3	4-Chlorodiphenylether	ND	2700	ug/kg dry	1	09/08/15	B5H2808	8270	
100-01-6	4-Nitroaniline	ND	14000	ug/kg dry	1	09/08/15	B5H2808	8270	
100-02-7	4-Nitrophenol	ND	47000	ug/kg dry	1	09/08/15	B5H2808	8270	
33-32-9	Acenaphthene	ND	2700	ug/kg dry	1	.09/08/15	B5H2808	8270	
208-96-8	Acenaphthylene Acenaphthylene	ND	2700	ug/kg dry	1	09/08/15	B5H2808	8270	danemakan (PSSSS)
120-12-7	Anthracene	ND	2700	ug/kg dry	1	09/08/15	B5H2808	8270	
103-33-3	Azobenzene	ND	5500	ug/kg dry	1	09/08/15	B5H2808	8270	
	Control of the Contro	ia magagagagaga ana ego	and the second s	CHANGE SERVICE LANGUAGE AND ACTUAL	107750019837177.9	TOTAL PROPERTY AND A CONTRACTOR OF THE	Zukanisaskiakumuni 195	Zerian marchara matematika	War War and Control
6-55-3	Benz[a]anthracene	5200	2700	ug/kg dry	1.	09/08/15	B5H2808	8270	
50-32-8	Benzo[a]pyrene	5200	5500	ug/kg dry	1	09/08/15	B5H2808	8270	Т.
205-99-2	Benzo[b]fluoranthene	8100	5500	ug/kg dry	I.	09/08/15	B5H2808	8270	
91-24-2	Benzo[g,h,i]perylene	ND	5500	ug/kg dry	1	09/08/15	B5H2808	8270	
207-08-9	Benzo[k]fluoranthene	ND :	5500	ug/kg dry	1	09/08/15	B5H2808	8270	7.3
100-51-6	Benzyl Alcohol	ND	69000	ug/kg dry	1	09/08/15	B5H2808	8270	
11-91-1	Bis(2-chloroethoxy)methane	ND .	5500	ug/kg dry	11	09/08/15	B5H2808	8270	
11-44-4	Bis(2-chloroethyl)ether	ND	2700	ug/kg dry	1	09/08/15	B5H2808	8270	
08-60-1	Bis(2-chloroisopropyl)ether	ND,	2700	ug/kg dry	1	09/08/15	B5H2808	8270	
17-81-7	Bis(2-ethylhexyl)phthalate	ND	6900	ug/kg dry	1	09/08/15	B5H2808	8270	
35-68-7	Butyl benzyl phthalate	ND.	6900	ug/kg dry	1	09/08/15	B5H2808	8270	
36-74-8	Carbazole	ND	6900	ug/kg dry	1	09/08/15	B5H2808	8270	en en recentation de la la la la la la la la la la la la la
218-01-9	Chrysene	5800	2700	ug/kg dry	, 1	09/08/15	B5H2808	8270	
53-70-3	Dibenz[a,h]anthracene	ND	5500	ug/kg dry	.:	09/08/15	B5H2808	8270	aller to the house of the second second
132-64-9	Dibenzofuran	ND	6900	ug/kg dry	1	09/08/15	B5H2808	8270	otradia. È



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Sem	ivolatiles						٠	See n	ote Y20, Y25
84-66-2	Diethylphthalate	ND	6900	ug/kg dry	1	09/08/15	B5H2808	8270	
131-11-3	Dimethyl phthalate	ND	6900	ug/kg dry	1	09/08/15	B5H2808	8270	
84-74-2	Di-n-butyl phthalate	ND	6900	ug/kg dry	1	09/08/15	B5H2808	8270	
117-84-0	Di-n-octyl phthalate	ND ND	6900	ug/kg dry ,	1	09/08/15	B5H2808	8270	
206-44-0	Fluoranthene	9800	2700	ug/kg dry	1	09/08/15	B5H2808	8270	
86-73-7	Fluorene	ND	2700	ug/kg dry	1	09/08/15	B5H2808	8270	
118-74-1	Hexachlorobenzene	ND	5500	ug/kg dry	1	09/08/15	B5H2808	8270	n conditions according to 11 conditions of 12 conditions
87-68-3	Hexachlorobutadiene	ND	2700	ug/kg dry	1	09/08/15	B5H2808	8270	
77-47-4	Hexachlorocyclopentadiene	ND	27000	ug/kg dry	1	09/08/15	B5H2808	8270	
67-72-1	Hexachloroethane	ND:	2700	ug/kg dry	1	. 09/08/15	B5H2808	8270	
193-39-5	Indeno(1,2,3-c,d)pyrene	ND	√5500	ug/kg dry	1	09/08/15	B5H2808	8270	
78-59-1	Isophorone	ND	2700	ug/kg dry	1	09/08/15	B5H2808	8270	
91-20-3	Naphthalene	ND	2700	ug/kg dry	1	09/08/15	B5H2808	8270	
98-95-3	Nitrobenzene	ND	5500	ug/kg dry	1	09/08/15	B5H2808	8270	
67-75-9	N-Nitrosodimethylamine	ND	6900	ug/kg dry	1	09/08/15	B5H2808	8270	The state of the s
(21-64-7	N-Nitrosodi-n-propylamine	ND	5500	ug/kg dry	1.	09/08/15	B5H2808	8270	
6-30-6	N-Nitrosodiphenylamine	ND	5500	ug/kg dry	1	09/08/15	B5H2808	8270	
87-86-5	Pentachlorophenol	ND	47000	ug/kg dry	1	09/08/15	B5H2808	8270	
85-01 - 8	Phenanthrene	4600	2700	ug/kg dry	1	09/08/15	B5H2808	8270	
108-95-2.	Phenol	ND	9100	ug/kg dry	1	09/08/15	B5H2808	8270	
129-00-0	Pyrene	10000	2700	ug/kg dry	1	09/08/15	B5H2808	8270	
Surrogate: 2,4,6-7	ribromophenol .	Noi	Applicable	20.3-11	5	09/08/15	B5H2808	8270	<i>V</i>
Surrogate: 2-Fluo	robiphenyl	Noi	Applicable	32.9-11	5	09/08/15	B5H2808	8270	ν
Surrogate: 2-Fluo	rophenol	Noi	Applicable	23.7- <i>11</i>	5	09/08/15	B5H2808	8270	V
Surrogate: Nitrob	enzene-d5	Noi	Applicable	31.8-11	5	09/08/15	B5H2808	8270	V
Surrogate: Phenoi	I-d6	Noi	Applicable	29.3-11	5	09/08/15	B5H2808	8270	ν.
Surrogate: p-Terp	hamil did		Applicable	38.5-11	<i>c</i>	09/08/15	B5H2808	8270	V



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Pesti	cides						_		See note Y20
789-02-6	2,4'-DDT	180	55	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
72-54-8	4,4'-DDD	400	55	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
72-55-9	4,4'-DDE	450	55	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
50-29-3	4,4'-DDT	990	270	ug/kg dry	5	09/15/15	B5H3117	8081/8082	in de la company de la company de la company de la company de la company de la company de la company de la comp
319-84-6	a-BHC	ND	27	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
5103-71-9	a-Chlordane	ND	. 55	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
309-00-2	Aldrin	ND	55	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
319-85-7	b-BHC	ND	55	ug/kg dry	1	09/10/15	B5H3117	8081/8082	- Marine Marine - Albert Marine Marine - Albert Marine - Albert Marine - Albert Marine - Albert Marine - Albert
319-86-8	d-BHC	ND	55	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
60-57-1	Dieldrin	ND	55	ug/kg dry	1	09/10/15	B5H3117	8081/8082	October 19 of the Control of the Con
959-98-8	Endosulfan I	: ND	55	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
33213-65-9	Endosulfan II	ND	55	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
1031-07-8	Endosulfan sulfate	ND	- 55	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
72-20-8	Endrin	ND	55	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
7421-93-4	Endrin aldehyde	ND	55	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
53494-70-5	Endrin ketone	ND	55	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
58-89-9	g-BHC (Lindane)	ND	55	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
5103-74-2	g-Chlordane	ND	55	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
76-44-8	Heptachlor	NĎ	55	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
1024-57-3	Heptachlor epoxide	ND	55	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
87-82-1	Hexabromobenzene	ND	270	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
72-43-5	Methoxychlor	ND	140	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
2385-85-5	Mirex	ND	140	ug/kg dry	1.	09/10/15	B5H3117	8081/8082	
59080-40-9	PBB (BP-6)	ND	690	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
8001-35-2	Toxaphene	ND	2300	ug/kg dry	5	09/15/15	B5H3117	8081/8082	Y21
Surrogate: Decachl	lorobiphenyl		62.9 %	30-15)	09/10/15	B5H3117	8081/8082	
Surrogate: Tetrachl	loro-m-xvlene	Kanada 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	72.8 %	30-15	1	09/10/15	B5H3117	8081/8082	



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

CAS#	Analyte	Result	RL	"Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-PCB	s as Aroclors								See note Y2
12674-11-2	Aroclor 1016	ND	1400	ug/kg dry	5	09/15/15	B5H3117	8081/8082	Y21
11104-28-2	Aroclor 1221	ND	1400	ug/kg dry	5	09/15/15	B5H3117	8081/8082	Y21
11141-16-5	Aroclor 1232	ND	1400	ug/kg dry	5	09/15/15	B5H3117	8081/8082	Y21
53469-21-9	Aroclor 1242	ND	1400	ug/kg dry	.5	09/15/15	B5H3117	8081/8082	Y21
12672-29-6	Aroclor 1248	ND	1400	ug/kg dry	5	09/15/15	B5H3117	8081/8082	Y21
1097-69-1	Aroclor 1254	ND:	1400	ug/kg dry	5	09/15/15	B5H3117	8081/8082	Y21
11096-82-5	Aroclor 1260	ND	1400	ug/kg dry	5	09/15/15	B5H3117	8081/8082	Y21
37324-23-5	Aroclor 1262	ND	1400	ug/kg dry	5	09/15/15	B5H3117	8081/8082	Y21
11100-14-4	Aroclor 1268	ND	1400	ug/kg dry	5	09/15/15	B5H3117	8081/8082	Y21
'urrogate: Decachi	lorobiphenyl		62.9 %	30-150		09/15/15	B5H3117	8081/8082	
Surrogate: Tetrachi	loro-m-xylene		72.8 %	30-150		09/15/15	B5H3117	8081/8082	
norganics-Ge	neral Chemistry								
ΓS	% Total Solids	72.8	0.1	%	1	08/27/15	B5H2709	2540 B	
7-12-5	Total Cyanide	1.0	0.14	mg/kg dry	1	09/03/15	B5I0207	ASTM D7284	
organics-Me	etals								
440-36-0	Antimony	6.3	0.3	mg/kg dry	10	09/08/15	B5H3103	6020/200.8	
7440-38-2	Arsenic	22	5.0	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	
7440-39-3	Barium	480	1.0	mg/kg dry	10	09/04/15	B5I0101	6020/200.8	
7440-41-7	Beryllium	2.3	2.0	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	
7440-43-9	Cadmium	4.3	0,2	mg/kg dry	10	09/04/15	B5I0101	6020/200.8	
7440-47-3	Chromium	37	20	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	
7440-48-4	Cobalt	12	5.0	mg/kg dry	100	09/04/15	B510101	6020/200.8	
7440-50-8	Copper	220	. 10	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	
7439-89-6	Iron	40000	5:0	mg/kg dry	.10	09/11/15	B510101	6010/200.7	A09
7439-92-1	Lead	620	1.0	mg/kg dry	10	09/04/15	B5I0101	6020/200.8	1105
439-96-5	Manganese	510	10	mg/kg dry	100	09/04/15	B510101	6020/200.8	
7439-97-6	Mercury	1.7	0.07	mg/kg dry	1	09/10/15	B510902	7471/245.5	
7439-98-7	Molybdenum	7.6	1.0	mg/kg dry	10	09/04/15			A 00
7440-02-0	Nickel	7.0 160	10			09/04/15	B5I0101 B5I0101	6020/200.8	A09
7782-49-2	Selenium		2.0	mg/kg dry	100		Tarter d'income en engles	6020/200.8	
7782 -4 9-2. 7440-22-4		2.3	· · · · · · · · · · · · · · · · · · ·	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	
7440-22-4 7440-28-0	Silver	2.3	, 0.1	mg/kg dry	10	09/04/15	B5I0101	6020/200.8	***************************************
	Thallium	ND 51	0.5	mg/kg dry	10	09/04/15	B5I0101	6020/200:8	<u> </u>
7440-62-2	Vanadium	51	10	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	hagaan cann de
7440-66-6	Zinc	2600	:10	mg/kg dry	100	09/04/15	B510101	6020/200.8	



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
CAO#	raidiye	Result			Dittion		——————————————————————————————————————	Method	Qualific
Organics-Volat	iles.			_					
630-20-6	1,1,1,2-Tetrachloroethane	ND	59	ug/kg dry	50	08/28/15	B5H2803	8260	
71-55-6	1,1,1-Trichloroethane	ND	59	ug/kg dry	50	08/28/15	B5H2803	8260	
79-34-5	1,1,2,2-Tetrachloroethane	ND	59	ug/kg dry	50	08/28/15	B5H2803	8260	Christian Christian Christian Christian Christian Christian Christian Christian Christian Christian Christian
79-00-5	1,1,2-Trichloroethane	. ND	59	ug/kg dry	50	08/28/15	B5H2803	8260	
75-34-3	1,1-Dichloroethane	ND	59	ug/kg dry	50	08/28/15	B5H2803	8260	
75-35-4	1,1-Dichloroethylene	ND	59	ug/kg dry	50	08/28/15	B5H2803	8260	
87-61-6	1,2,3-Trichlorobenzene	ND	300	ug/kg dry	50	08/28/15	B5H2803	8260	
96-18-4	1,2,3-Trichloropropane	ND	59	ug/kg dry	50	08/28/15	B5H2803	8260	
526-73-8	1,2,3-Trimethylbenzene	ND	59	ug/kg dry	50	08/28/15	B5H2803	8260	
120-82-1	1,2,4-Trichlorobenzene	ND	300	ug/kg dry	50	08/28/15	B5H2803	8260	-
95-63-6	1,2,4-Trimethylbenzene	ND	59	ug/kg dry	50	08/28/15	B5H2803	8260	
96-12-8	1,2-Dibromo-3-chloropropane	ND	300	ug/kg dry	50	08/28/15	B5H2803	8260	
106-93-4	1,2-Dibromoethane	ND	59	ug/kg dry	50	08/28/15	B5H2803	8260	
95-50-1	1,2-Dichlorobenzene	ND	59	ug/kg dry	50	08/28/15	B5H2803	8260	
107-06-2	1,2-Dichloroethane	ND	59	ug/kg dry	50	08/28/15	B5H2803	8260	
78-87-5	1,2-Dichloropropane	ND	59	ug/kg dry	50	08/28/15	B5H2803	8260	17
108-67-8	1,3,5-Trimethylbenzene	ND	59	ug/kg dry	50	08/28/15	B5H2803	8260	,
541-73-1	1,3-Dichlorobenzene	ND	59	ug/kg dry	50	08/28/15	B5H2803	8260	***
106-46-7	1,4-Dichlorobenzene	ND	59	ug/kg dry	50	08/28/15	B5H2803	8260	
78-93-3	2-Butanone (MEK)	ND	300	ug/kg dry	50	08/28/15	B5H2803	8260	
591-78-6	2-Hexanone	ND	300	ug/kg dry	50	08/28/15	B5H2803	8260	
91-57-6	2-Methylnaphthalene	, ND	300	ug/kg dry	50	08/28/15	B5H2803	8260	X
67-64-1	2-Propanone (acetone)	ND	1200	ug/kg dry	- 50	08/28/15	B5H2803	8260	***************************************
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	300	ug/kg dry	50	08/28/15	B5H2803	8260	
107-13-1	Acrylonitrile	ND	300	ug/kg dry	50	08/28/15	B5H2803	8260	
71-43-2	Benzene	ND	59	ug/kg dry	50	08/28/15	B5H2803	8260	
108-86-1	Bromobenzene	ND	59	ug/kg dry	50	08/28/15	B5H2803	8260	
74-97-5	Bromochloromethane	ND	59	ug/kg dry	50	08/28/15	B5H2803	8260	
75-27-4	Bromodichloromethane	ND	59	ug/kg dry	50	08/28/15	B5H2803	8260	
75-25-2	Bromoform	ND	59	ug/kg dry	50	08/28/15	B5H2803	8260	
74-83 - 9	Bromomethane	ND	300	ug/kg dry	50	08/28/15	B5H2803	8260	
75-15-0	Carbon disulfide	ND	59	ug/kg dry	50	08/28/15	B5H2803	8260	•
56-23-5	Carbon tetrachloride	ND	59	ug/kg dry	50	08/28/15	B5H2803	8260	
108-90-7	Chlorobenzene	ND	59	ug/kg dry	50	08/28/15	B5H2803	8260	
75-00-3	Chloroethane	ND	300	ug/kg dry	50	08/28/15	B5H2803	8260	
67-66-3	Chloroform	ND	59	ug/kg dry	50	08/28/15	B5H2803	8260	
74-87-3	Chloromethane	ND	300	ug/kg dry	50	08/28/15	B5H2803	8260	
156-59-2	cis-1,2-Dichloroethylene	ND	59	ug/kg dry	50	08/28/15	B5H2803	8260	
10061-01-5	cis-1,3-Dichloropropylene	ND	59	ug/kg dry	50	08/28/15	B5H2803	8260	in the second se
110-82-7	Cyclohexane	ND T	300	ug/kg dry	50	08/28/15	B5H2803	8260	
124-48-1	Dibromochloromethane	ND	59	ug/kg dry	50	08/28/15	B5H2803	8260	



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Vola	itiles		٠	,		-			
74-95-3	Dibromomethane	ND	59	ug/kg dry	50	08/28/15	B5H2803	8260	
75-71-8	Dichlorodifluoromethane	ND	. 300	ug/kg dry	50	08/28/15	B5H2803	8260	iliaaliika kiikeelikeelikeele ola kalee da maka kaasi lik
60-29-7	Diethyl ether	ND	300	ug/kg dry	50	08/28/15	B5H2803	8260	
108-20-3	Diisopropyl Ether	ND	300	ug/kg dry	50	08/28/15	B5H2803	8260	and the state of t
100-41-4	Ethylbenzene	ND	59	ug/kg dry	50	08/28/15	B5H2803	8260	
637-92-3	Ethyltertiarybutylether	ND	300	ug/kg dry	50	08/28/15	B5H2803	8260	
67-72-1	Hexachloroethane	ND	300	ug/kg dry	50	08/28/15	B5H2803	8260	
98-82-8	Isopropylbenzene	ND	59	ug/kg dry	50	08/28/15	B5H2803	8260	
1330-20-7	m & p - Xylene	ND	120	ug/kg dry	50	08/28/15	B5H2803	8260	
74-88-4	Methyl iodide	ND	59	ug/kg dry	50	08/28/15	B5H2803	8260	***************************************
75-09-2	Methylene chloride	ND	300	ug/kg dry	50	08/28/15	B5H2803	8260	
1634-04-4	Methyltertiarybutylether	ND	59	ug/kg dry	50	08/28/15	B5H2803	8260	Stary Specialistics, States and April 1844 of Petrol 20
91-20-3	Naphthalene	ND	300	ug/kg dry	50	08/28/15	B5H2803	8260	X
104-51-8	n-Butylbenzene	ND	59	ug/kg dry	50	08/28/15	B5H2803	8260	
103-65-1	n-Propylbenzene	ND	59	ug/kg dry	50	08/28/15	B5H2803	8260	
₹5-47-6	o-Xylene	ND	59	ug/kg dry	50	08/28/15	B5H2803	8260	
9-87-6	p-Isopropyl toluene	, ND	59	ug/kg dry	50	08/28/15	B5H2803	8260	
135-98-8	sec-Butylbenzene	ND	59	ug/kg dry	50	08/28/15	B5H2803	8260	
100-42-5	Styrene	ND	59	ug/kg dry	50	08/28/15	B5H2803	8260	
98-06-6	tert-Butylbenzene	ND	59	ug/kg dry	50	08/28/15	B5H2803	8260	
75-65-0	tertiary Butyl Alcohol	ND	3000	ug/kg dry	50	08/28/15	B5H2803	8260	
994-05-8	tertiaryAmylmethylether	ND	300	ug/kg dry	50	08/28/15	B5H2803	8260	**************************************
127-18-4	Tetrachloroethylene	ND.	59	ug/kg dry	50	08/28/15	B5H2803	8260	
109-99-9	Tetrahydrofuran	ND	300	ug/kg dry	50	08/28/15	B5H2803	8260	**************************************
108-88-3	Toluene	ND	59	ug/kg dry	50	08/28/15	B5H2803	8260	
156-60-5	trans-1,2-Dichloroethylene	ND	59	ug/kg dry	50	08/28/15	B5H2803	8260	
10061-02-6	trans-1,3-Dichloropropylene	ND.	. 59	ug/kg dry	50	08/28/15	B5H2803	8260	
110-57-6	trans-1,4-Dichloro-2-butene	ND	300	ug/kg dry	50	08/28/15	B5H2803	8260	27 200 100 100 100 100 100 100 100 100 100
79-01-6	Trichloroethylene	ND	59	ug/kg dry	50	08/28/15	B5H2803	8260	
75-69-4	Trichlorofluoromethane	ND	59	ug/kg dry	50	08/28/15	B5H2803	8260	
75-01-4	Vinyl chloride	ND	59	ug/kg dry	50	08/28/15	B5H2803	8260	
Surrogate: Bromo	Nuorobenzene		118 %	40.3-19	4	08/28/15	B5H2803	8260	
Surrogate: Dibron	nofluoromethane		126 %	52.1-21	7	08/28/15	B5H2803	8260	
Surrogate: Toluen	e-d8		123 %	55.4-19	6	08/28/15	B5H2803	8260	



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

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CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Semivo	· · · · · · · · · · · · · · · · · · ·						<u> </u>		note Y20, Y25
120-82-1	1.2.4-Trichlorobenzene	ND	2200	ug/kg dry	1.	09/09/15	B5H2808	8270	1000 120, 125
95-95-4	2,4,5-Trichlorophenol	ND	3700	ug/kg dry	1	09/09/15	B5H2808	8270	
88-06-2	2,4,6-Trichlorophenol	ND	3700	ug/kg dry	1	09/09/15	B5H2808	8270	
120-83-2	2,4-Dichlorophenol	ND	3700	ug/kg dry	1	09/09/15	B5H2808	8270	
120-63-2 105-67-9	2,4-Dimethylphenol	ND	3700	ug/kg dry	1	09/09/15	B5H2808	8270	
51-28-5	2,4-Dinitrophenol	ND	19000	ug/kg dry	1	09/09/15	B5H2808	8270	
121-14-2	2,4-Dinitrotoluene	ND ND	2800	ug/kg dry	1	09/09/15	B5H2808	8270	
606-20-2	2,6-Dinitrotoluene	ND	2800	ug/kg dry	1	09/09/15	B5H2808	8270	
91-58-7	2-Chloronaphthalene	ND	2200	ug/kg dry	1	09/09/15	B5H2808	8270	
95-57-8	2-Chlorophenol	ND	3700	ug/kg dry	1	09/09/15	B5H2808	8270	
534-52-1	2-Methyl-4,6-dinitrophenol	ND	19000	ug/kg dry	1	09/09/15	B5H2808	8270	
91-57-6	2-Methylnaphthalene	ND .	2800	ug/kg dry	1	09/09/15	B5H2808	8270	.9.18.00.00
95-48-7	2-Methylphenol (o-Cresol)	ND	3700	ug/kg dry	1	09/09/15	B5H2808	8270	
38-74-4	2-Nitroaniline	ND ND	5600	ug/kg dry	1	09/09/15	B5H2808	8270	
88-75-5	2-Nitrophenol	ND ND	3700	ug/kg dry	1	09/09/15	B5H2808	8270	
108394,106445	3 & 4-Methylphenol	ND ND	7400	ug/kg dry	1	09/09/15	B5H2808	8270	
99-09-2	3-Nitroaniline	ND ND	5600	ug/kg dry	1	09/09/15	B5H2808	8270	
01-55-3	4-Bromophenyl phenyl ether	ND	2200	ug/kg dry	1	09/09/15	B5H2808	8270	
59-50-7	4-Chloro-3-methyl-phenol	ND	2200	ug/kg dry	1	09/09/15	B5H2808	8270	
7005-72-3	4-Chlorodiphenylether	ND	1100	ug/kg dry	1	09/09/15	B5H2808	8270	
100-01-6	4-Nitroaniline	ND .	5600	ug/kg dry	1	09/09/15	B5H2808	8270	
100-01-0	4-Nitrophenol	ND	19000	ug/kg dry	1	09/09/15	B5H2808	8270	
33-32-9	Acenaphthene	ND	1100	ug/kg dry	1	09/09/15	B5H2808	8270	
208-96-8	Acenaphthylene ·	ND	1100	ug/kg dry	1	09/09/15	B5H2808	8270	
120-12-7	Anthracene	ND ND	1100	ug/kg dry	1	09/09/15	B5H2808	8270 8270	
103-33-3	Azobenzene	ND	2200	ug/kg dry	1	09/09/15	B5H2808	8270 8270	
56-55-3	Benz[a]anthracene	ND	1100	ug/kg dry ug/kg dry	1	09/09/15	B5H2808	8270	
50-32-8	Benzo[a]pyrene	ND	2200	ug/kg dry ug/kg dry	1	09/09/15	B5H2808	8270	
205-99-2	Benzo[b]fluoranthene	ND ND	2200	ug/kg dry	1	09/09/15	B5H2808	8270 8270	
203-99-2 191-24-2	Benzo[g,h,i]perylene	ND	2200	ug/kg dry	1	09/09/15	B5H2808	8270	
207-08-9	and the contract of the contra	ND.	2200	ug/kg dry ug/kg dry	1	09/09/15	B5H2808	8270	
	Benzo[k]fluoranthene	ND	28000	COLD TO THE STATE OF THE STATE	1	09/09/15	B5H2808		
100-51-6 111-91-1	Bis(2-chloroethoxy)methane	ND ND	2200	ug/kg dry	1	09/09/15	B5H2808	8270 8270	
[11-91-1 [11-44-4	- Salar - Strain - Chaire Carabana (Alair Caraba)	ara Kanasa Araba ay araba ay a	1100	ug/kg dry		09/09/15	B5H2808	Burtham Branch of Salar	
108-60-1	Bis(2-chloroethyl)ether	ND	holdest deservation of the company of the	ug/kg dry	1	09/09/15	Paragraphics of a second state of the contract	8270	
No. 29 March 2011 March 2011 According to the Section of the Section 2011 According to the Secti	Bis(2-chloroisopropyl)ether	ND.	1100	ug/kg dry	1		B5H2808	8270	
17-81-7	Bis(2-ethylhexyl)phthalate	ND	2800	ug/kg dry	1	09/09/15	B5H2808	8270	
85-68-7	Butyl benzyl phthalate	ND ND	2800	ug/kg dry	1	09/09/15	B5H2808	8270	
36-74-8	Carbazole	ND	2800	ug/kg dry	1	09/09/15	B5H2808	8270	
218-01-9	Chrysene	ND.	1100	ug/kg dry	16	09/09/15	B5H2808	8270	
53-70-3	Dibenz[a,h]anthracene	ND	2200	ug/kg dry	1 creates Seculo	09/09/15	B5H2808	8270	- Trans Ambrocata
132-64-9	Dibenzofuran	ŃD	2800.	ug/kg dry		09/09/15	B5H2808	8270	



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Sen	nivolatiles		•			. '-		See n	ote Y20, Y25
84-66-2	Diethylphthalate	ND	2800	ug/kg dry	I	09/09/15	B5H2808	8270	
131-11-3	Dimethyl phthalate	ND .	2800	ug/kg dry	1	09/09/15	B5H2808	8270	
84-74-2	Di-n-butyl phthalate	ND	2800	ug/kg dry	1	09/09/15	B5H2808	8270	
117-84-0	Di-n-octyl phthalate	ND	2800	ug/kg dry	1	09/09/15	B5H2808	8270	
206-44-0	Fluoranthene	ND	1100	ug/kg dry	1 .	09/09/15	B5H2808	8270	4
86-73-7	Fluorene	ND	1100	ug/kg dry	1	09/09/15	B5H2808	8270	
118-74-1	Hexachlorobenzene	ND	2200	ug/kg dry	1	09/09/15	B5H2808	8270	
87-68-3	Hexachlorobutadiene	ND	1100	ug/kg dry	1	09/09/15	B5H2808	8270	
77-47-4	Hexachlorocyclopentadiene	ND	11000	ug/kg dry	. 1	09/09/15	B5H2808	8270	
57-72-1	Hexachloroethane	ND	1100	ug/kg dry	1	09/09/15	B5H2808	8270	
193-39-5	Indeno(1,2,3-c,d)pyrene	ND	2200	ug/kg dry	1	09/09/15	B5H2808	_ 8270	
78-59-1	Isophorone	, ND	1100	ug/kg dry	1.	09/09/15	B5H2808	8270	
91-20-3	Naphthalene	ND	1100	ug/kg dry	1	09/09/15	B5H2808	8270	
98-95-3	Nitrobenzene	ND	2200	ug/kg dry	1	09/09/15	B5H2808	8270	
67-75-9	N-Nitrosodimethylamine	ND	2800	ug/kg dry	1	09/09/15	B5H2808	8270	
(21-64-7	N-Nitrosodi-n-propylamine	ND	2200	ug/kg dry	1	09/09/15	B5H2808	8270	
5-30-6	N-Nitrosodiphenylamine	ND	2200	ug/kg dry	1	09/09/15	B5H2808	8270	
37-86-5	Pentachlorophenol	ND	19000	ng/kg dry	1	09/09/15	B5H2808	8270	
85-01-8	Phenanthrene	ND	1100	ug/kg dry	1	09/09/15	B5H2808	8270	
108-95-2	Phenol	ND	3700	ug/kg dry	1	09/09/15	B5H2808	8270	
129-00-0	Pyrene	ND	1100	ug/kg dry	1	09/09/15	B5H2808	827Ô	
urrogate: 2,4,6-1	ribromophenal	D.S.	26.1 %	20.3-11	5	09/09/15	B5H2808	8270	
urrogate: 2-Fluo	robiphenyl	*	60.9 %	32.9-11	5	09/09/15	B5H2808	8270	
lurrogate: 2-Fluo	rophenol		25.0 %	23.7-11	5	09/09/15	B5H2808	8270	
urrogate: Nitrob	enzene-d5		53.9 %	31.8-11	5	09/09/15	B5H2808	8270	
urrogate: Phenoi	-d6		42.8 %	29.3-11	5	09/09/15	B5H2808	8270	
urrogate: p-Terp	hemil-d14		78.6 %	38.5-11		09/09/15	B5H2808	8270	



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Pesti	cides		_					<u> </u>	·
789-02-6	2,4'-DDT	ND	22	ug/kg dry	1	09/10/15	B5H3117.	8081/8082	
72-54-8	4,4'-DDD	4.5	22	úg/kg dry	1	09/10/15	B5H3117	8081/8082	T
72-55-9	4,4'-DDE	17	22	ug/kg dry	1	09/10/15	B5H3117	8081/8082	Τ.
50-29-3	4,4'-DDT	6.8	22	ug/kg dry	1	09/10/15	B5H3117	8081/8082	T
319-84-6	a-BHC	ND	11	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
5103-71-9	a-Chlordane	ND	22	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
309-00-2	Aldrin	ND	22	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
319-85-7	b-BHC	ND	22	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
319-86-8	d-BHC	ND	22	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
60-57-1	Dieldrin	ND	22	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
959-98-8	Endosulfan I	ND	22	ug/kg dry	1.1	09/10/15	B5H3117	8081/8082	
33213-65-9	Endosulfan II	ND	. 22	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
1031-07-8	Endosulfan sulfate	ND	22	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
72-20-8	Endrin	ND	22	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
7421-93-4	Endrin aldehyde	ND	22	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
53494-70-5	Endrin ketone	ND	22	ug/kg dry	I	09/10/15	B5H3117	8081/8082	,
58-89-9	g-BHC (Lindane)	ND	22	ug/kg dry	.1 -	09/10/15	B5H3117	8081/8082	
5103-74-2	g-Chlordane	ND	22	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
76-44-8	Heptachlor	ND	22	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
1024-57-3	Heptachlor epoxide	ND	22	ug/kg dry	1	09/10/15	′ B5H3117	8081/8082	
87-82-1	Hexabromobenzene	ND	110	ug/kg dry	1.	09/10/15	B5H3117	8081/8082	
72-43-5	Methoxychlor	ND	56	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
2385-85-5	Mirex	ND	. 56	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
59080-40-9	PBB (BP-6)	ND	280	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
8001-35-2	Toxaphene	ND;	190	ug/kg dry	1	09/10/15	B5H3117	8081/8082	5
Surrogate: Decachi	lorobiphenyl		61.8 %	30-150		09/10/15	B5H3117	8081/8082	
Surrogate: Tetrachi	oro-m-xylene		69.9 %	30-150		09/10/15	B5H3117	8081/8082	



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

		L		0223-11					
CAS#	Analyte ;	Result	· RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-PCB	s as Aroclors								
12674-11-2	Aroclor 1016	ND	110	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
11104-28-2	Aroclor 1221	ND	110	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
11141-16-5	Aroclor 1232	ND	110	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
53469-21-9	Aroclor 1242	ND	110	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
12672-29-6	Aroclor 1248	ND	110	ug/kg dry	1	09/10/15	B5H3117	8081/8082	de (- Animal) i se emblém ent de material de la colonia de la colonia de la colonia de la colonia de la colonia
11097-69-1	Aroclor 1254	ND	110	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
11096-82-5	Aroclor 1260	ND	110	ug/kg dry	1	09/10/15	B5H3117	8081/8082	***************************************
37324-23-5	Aroclor 1262	/ ND	110	ug/kg dry	1	09/10/15	B5H3117	.8081/8082	
11100-14-4	Aroclor 1268	ND	110	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
Surrogate: Decachi	lorobiphenyl		61.8 %	30-15	0	09/10/15	B5H3117	8081/8082	
Surrogate: Tetrachi	loro-m-xylene		69.9 %	30-15	0	09/10/15	B5H3117	8081/8082	ommunication and an extension of the comments
Inorganics-Ge	neral Chemistry								
TS	% Total Solids	89.7	0.1	%	1	08/27/15	B5H2709	2540 B	
 57-12-5	Total Cyanide	ND	0.11	mg/kg dry	I	09/03/15	B5I0207	ASTM D7284	
				887	-	03,02,12	2210207	110111111111111111111111111111111111111	
organics-Me									
/140-36-0	Antimony	ND	0.3	mg/kg dry	10	09/08/15	B5H3103	6020/200.8	
7440-38-2	Arsenic	6.0	0.5	mg/kg dry	10	09/04/15	B5I0101	6020/200.8	
7440-39-3	Barium	48	1.0	mg/kg dry	10	09/04/15	B510101	6020/200.8	
7440-41-7	Beryllium	0.6	0.2	mg/kg dry	10	09/04/1 <i>5</i>	B5I0101	6020/200.8	
7440-43-9	Cadmium	0.3	0.2	mg/kg dry	10	09/04/15	B510101	6020/200.8	
7440-47-3	Chromium	35	2.0	mg/kg dry	10	09/04/15	B5I0101	6020/200.8	
7440-48-4	Cobalt	4,3	0.5	mg/kg dry	10	09/04/15	B5I0101	6020/200.8	
7440-50-8	Copper	13	1.0	mg/kg dry	10	09/04/15	B5I0101	6020/200.8	
7439-89-6	Iron	15000	5.0	mg/kg dry	10	09/11/15	B5I0101	6010/200.7	A09
7439-92-1	Lead	27	1.0	mg/kg dry	10	09/04/15	B5I0101	6020/200.8	
7439-96-5	Manganese	810	1.0	mg/kg dry	10	09/04/15	B5I0101	6020/200.8	
7439-97 - 6	Mercury	. ND	0.06	mg/kg dry	1	09/10/15	B510902	7471/245.5	14.6 M 14. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
7439-98-7	Molybdenum	1.3	1.0	mg/kg dry	10	09/04/15	B510101	6020/200.8	- A09
7440-02-0	Nickel	16	1.0	mg/kg dry	10	09/04/15	B5I0101	6020/200.8	omenine it and sittle and telefolio d
7782-49-2	Selenium	0,4	0.2	mg/kg dry	10	09/04/15	B5I0101	6020/200.8	W. Salaka
7440-22-4	Silver	ND	0.1	mg/kg dry	10	09/04/15	B5I0101	6020/200.8	
7440-28-0	Thallium	ND	0.5	mg/kg dry	10	09/04/15	B510101	6020/200.8	
7440-62-2	Vanadium	20	1.0	mg/kg dry	10	09/04/15	B5I0101	6020/200.8	
7440-66-6	Zinc	49	1.0	mg/kg dry	10	09/04/15	B510101	6020/200:8	



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

			Lab ID: 150	0223-12					
CAS#	Analyte	Result	RL	Units	. Dileties	Analyzed Date	QC Batch	26.1.1	Ovolision
CAS#	Analyte	Result	KL	·	Dilution	Date		Method	Qualifier
Organics-Vol	atiles								
630-20-6	1,1,1,2-Tetrachloroethane	ND	70	ug/kg dry	50	08/28/15	B5H2803	8260	
71-55-6	l,l,l-Trichloroethane	ND	70	ug/kg dry	50	08/28/15	B5H2803	8260	
79-34-5	1,1,2,2-Tetrachloroethane	, ND	`70	ug/kg dry	50	08/28/15	B5H2803	8260	
79-00-5	1,1,2-Trichloroethane	ND	70	ug/kg dry	50	08/28/15	B5H2803	8260	
75-34-3	1,1-Dichloroethane	ND	70	ug/kg dry	50	08/28/15	B5H2803	8260	
75-35-4	1,1-Dichloroethylene	ND	70	ug/kg dry	50	08/28/15	B5H2803	8260	
87-61-6	1,2,3-Trichlorobenzene	ND	350	ug/kg dry	50	08/28/15	B5H2803	8260	
96-18-4	1,2,3-Trichloropropane	ND	70	ug/kg dry	50	08/28/15	B5H2803	8260	
526-73-8	1,2,3-Trimethylbenzene	ND	70	ug/kg dry	50	08/28/15	B5H2803	8260	
120-82-1	1,2,4-Trichlorobenzene	ND	350	ug/kg dry	50	08/28/15	B5H2803	8260	
95-63-6	1,2,4-Trimethylbenzene	ND	70	ug/kg dry	50	08/28/15	B5H2803	8260	***************************************
96-12-8	1,2-Dibromo-3-chloropropane	ND	350	ug/kg dry	50	08/28/15	B5H2803	8260	
106-93-4	1,2-Dibromoethane	ND	70	ug/kg dry	50	08/28/15	B5H2803	8260	k til milli kom vil ti en i en sklambet milli til milli
95-50-1	1,2-Dichlorobenzene	. ND	.70	ug/kg dry	50	08/28/15	B5H2803	8260	
107-06-2	1,2-Dichloroethane	ND	70	ug/kg dry	50	08/28/15	B5H2803	8260	udd ac codd dawranau arllad dawrannol.
78-87-5	1,2-Dichloropropane	ND	70	ug/kg dry	50	08/28/15	B5H2803	8260	273.22
108-67-8	1,3,5-Trimethylbenzene	ND	70	ug/kg dry	50	08/28/15	B5H2803	8260	
541-73-1	1,3-Dichlorobenzene	ND	701	ug/kg dry	50	08/28/15	B5H2803	8260	,
106-46-7	1,4-Dichlorobenzene	ND	70	ug/kg dry	50	08/28/15	B5H2803	8260	
78-93-3	2-Butanone (MEK)	ND	350	ug/kg dry	50	08/28/15	B5H2803	8260	
591-78-6	2-Hexanone	ND	350	ug/kg dry	50	08/28/15	B5H2803	8260	Verbu voor kalila aanaanii
91-57-6	2-Methylnaphthalene	ND	350	ug/kg dry	50	08/28/15	B5H2803	8260	X
67-64-1	2-Propanone (acetone)	ND	1400	ug/kg dry	50	08/28/15	B5H2803	8260	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	350	ug/kg dry	50	08/28/15	B5H2803	8260	
107-13-1	Acrylonitrile	ND.	350	ug/kg dry	50	08/28/15	B5H2803	8260	
71-43-2	Benzene	ND	70	ug/kg dry	50	08/28/15	B5H2803	8260	
108-86-1	Bromobenzene	ND	70	ug/kg dry	50	08/28/15	B5H2803	8260	
74-97-5	Bromochloromethane	ND	70	ug/kg dry	50	08/28/15	B5H2803	* 8260	
75-27-4	Bromodichloromethane	ND	70	ug/kg dry	50	08/28/15	B5H2803	8260	
75-25-2	Bromoform	ND	70	ug/kg dry	50	08/28/15	B5H2803	8260	
74-83-9	Bromomethane	ND	350	ug/kg dry	50	08/28/15	B5H2803	8260	Weik Caradir Par
75-15-0	Carbon disulfide	ND	70	ug/kg dry	50	08/28/15	B5H2803	8260	
56-23-5	Carbon tetrachloride	ND	70	ug/kg dry	50	08/28/15	B5H2803	8260	
108-90-7	Chlorobenzene	ND	70	ug/kg dry	50	08/28/15	B5H2803	8260	
75-00-3	Chloroethane	ND	350	ug/kg dry	50	08/28/15	B5H2803	8260	Sin i Kriiii Ciri
67-66-3	Chloroform	ND	70	ug/kg dry	50	08/28/15	B5H2803	8260	
74-87-3	Chloromethane	ND	350	ug/kg dry	50	08/28/15	B5H2803	8260	
156-59-2	cis-1,2-Dichloroethylene	ND	70	ug/kg dry	50	08/28/15	B5H2803	8260	
10061-01-5	cis-1,3-Dichloropropylene	ND	70	ug/kg dry	50	08/28/15	B5H2803	8260	
110-82-7	Cyclohexane	ND	350	ug/kg dry ug/kg dry	50	08/28/15	B5H2803	8260	r y
124-48-1	Dibromochloromethane	ND	70	ug/kg dry	50	08/28/15	B5H2803	8260 8260	
147-70-1	Piotomocinoromeniane	ND	70	ng/kg dry	50	00/20/13	22777603	0200	()



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

.CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Volat	tiles				,		`		
74-95-3	Dibromomethane	ND	70	ug/kg dry	-50	.08/28/15	B5H2803	8260	
75-71-8	Dichlorodifluoromethane	ND	350	ug/kg dry	50	08/28/15	B5H2803	8260	
60-29-7	Diethyl ether	ND	350	ug/kg dry	50	08/28/15	B5H2803	8260	
108-20-3	Diisopropyl Ether	ND	350	ug/kg dry	50	08/28/15	B5H2803	8260	
100-41-4	Ethylbenzene	ND	70	ug/kg dry	50	08/28/15	B5H2803	8260	
637-92-3	Ethyltertiarybutylether	ND	350	ug/kg dry	50	08/28/15	B5H2803	8260	
67-72-1	Hexachloroethane	ND	350	ug/kg dry	50	08/28/15	B5H2803	8260	
98-82-8	Isopropylbenzene	ND	70	ug/kg dry	50	08/28/15	B5H2803	8260	
1330-20-7	m & p - Xylene	ND	140	ug/kg dry	50	08/28/15	B5H2803	8260	
74-88-4	Methyl iodide	ND	70	ug/kg dry	50	08/28/15	B5H2803	8260	other and sections, at the section of
75-09-2	Methylene chloride	; ND	350	ug/kg dry	- 50	08/28/15	B5H2803	8260	
1634-04-4	Methyltertiarybutylether	ND	70 ·	ug/kg dry	50	08/28/15	B5H2803	8260	
91-20-3	Naphthalene	ND	350	ug/kg dry	50	08/28/15	В́5Н2803	8260	X
104-51-8	n-Butylbenzene	ND	70	ug/kg dry	· 50	08/28/15	B5H2803	8260	
103-65-1	n-Propylbenzene	ND	70	ug/kg dry	50	08/28/15	B5H2803	8260	
95-47-6	o-Xylene	ND	70	ug/kg dry	50	08/28/15	B5H2803	8260	
)-87-6	p-Isopropyl toluene	-ND		ug/kg dry	50	08/28/15	B5H2803	8260	
135-98-8	sec-Butylbenzene	ND	70	ug/kg dry	50	08/28/15	B5H2803	8260	Waren i a all talinini da de de de de de de de de de de de de de
100-42-5	Styrene	ND	70	ug/kg dry	50	08/28/15	B5H2803	8260	
98-06-6	tert-Butylbenzene	ND	70	ug/kg dry	50	08/28/15	B5H2803	8260	
75-65-0	tertiary Butyl Alcohol	ND.	3500	ug/kg dry	50	08/28/15	B5H2803	8260	
994-05-8	tertiaryAmylmethylether	ND	350	ug/kg dry	50	08/28/15	B5H2803	8260	
127-18-4	Tetrachloroethylene	ND	70	ug/kg dry	50	08/28/15-	B5H2803	8260	
109-99-9	Tetrahydrofuran	ND	350	ug/kg dry	50	08/28/15	B5H2803	8260	
108-88-3	Toluene	ND	70	ug/kg dry	50	08/28/15	B5H2803	8260	
156-60-5	trans-1,2-Dichloroethylene	ND	70	ug/kg dry	50	08/28/15	B5H2803	8260	A
10061-02-6	trans-1,3-Dichloropropylene	ND	. 70	ug/kg dry	50	08/28/15	B5H2803	8260	
110-57-6	trans-1,4-Dichloro-2-butene	ND	350	ug/kg dry	50	08/28/15	B5H2803	8260	a Para Andrewson Carlotte (National Street
79-01-6	Trichloroethylene	ND	70	ug/kg dry	50	08/28/15	B5H2803	8260	
75-69-4	Trichlorofluoromethane	ND	70	ug/kg dry	50	08/28/15	B5H2803	8260	
75-01-4	Vinyl chloride	ND	70	ug/kg dry	50	08/28/15	B5H2803	8260	
Surrogate: Bromofli	uorobenzene		134 %	40.3-19	04	08/28/15	B5H2803	8260	
Surrogate: Dibromo	fluoromethane	T.	144 %	52.1-21	7	08/28/15	B5H2803	8260	
Surrogate: Toluene-	d8		138 %	55.4-19	96	08/28/15	B5H2803	8260	



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Semive	olatiles							See	note Y20, Y25
120-82-1	1,2,4-Trichlorobenzene	ND	4800	ug/kg dry	1	09/09/15	B5H2808	8270	
95-95-4	2,4,5-Trichlorophenol	ND	7900	ug/kg dry	1	09/09/15	B5H2808	8270	Manada - Carlos Salva No. 2 and Carlos Street Control
88-06-2	2,4,6-Trichlorophenol	"ND"	7900	ug/kg dry	1	09/09/15	B5H2808	8270	Programa
120-83-2	2,4-Dichlorophenol	ND	7900	ug/kg dry	1	09/09/15	B5H2808	8270	en Europe de la companya de la companya de la companya de la companya de la companya de la companya de la comp
105-67-9	2,4-Dimethylphenol	ND	7900	ug/kg dry	1	09/09/15	B5H2808	8270	
51-28-5	2,4-Dinitrophenol	ND	40000	ug/kg dry	1	09/09/15	B5H2808	8270	a and and a state of the state
121-14-2	2,4-Dinitrotoluene	ND	6000	ug/kg dry	1 -	09/09/15	B5H2808	8270	
606-20-2	2,6-Dinifrotoluene	ND	6000	ug/kg dry	1	09/09/15	B5H2808	8270	ere ere er er er er er er er er er er er
91-58-7	2-Chloronaphthalene	ND	4800	ug/kg dry	1	09/09/15	B5H2808	8270	
95-57-8	2-Chlorophenol	ND	7900	ug/kg dry	1	09/09/15	B5H2808	8270	
534-52-1	2-Methyl-4,6-dinitrophenol	ND	40000	ug/kg dry	1	09/09/15	B5H2808	8270	
91-57-6	2-Methylnaphthalene	ND	6000	ug/kg dry	1	09/09/15	B5H2808	8270	anna ann a sa ann a sa ann an an ann an an an an an an an an
95-48-7	2-Methylphenol (o-Cresol)	ND	7900	ug/kg dry	1	09/09/15	B5H2808	8270	
88-74-4	2-Nitroaniline	ND	12000	ug/kg dry	1	09/09/15	B5H2808	8270	en en en en en en en en en en en en en e
88-75-5	2-Nitrophenol	ND	7900	ug/kg dry	1	09/09/15	·B5H2808	8270	
108394,106445	3 & 4-Methylphenol	ND	16000	ug/kg dry	1	09/09/15	B5H2808	8270	
99-09-2	3-Nitroaniline	ND	12000	ug/kg dry	1	09/09/15	B5H2808	8270	
101-55-3	4-Bromophenyl phenyl ether	ND	4800	ug/kg dry	1	09/09/15	B5H2808	8270	1 1000 mm 1000 1000 1000 1000 1000 1000
59-50-7	4-Chloro-3-methyl-phenol	ND	4800	ug/kg dry	1	09/09/15	B5H2808	8270	
7005-72-3	4-Chlorodiphenylether	ND	2400	ug/kg dry	1	09/09/15	B5H2808	8270	
100-01-6	4-Nitroaniline	ND	12000	ug/kg dry	1	09/09/15	B5H2808	8270	
100-02-7	4-Nitrophenol	ND	40000	ug/kg dry	1	09/09/15	B5H2808	8270	, to the time of the control of the second distribution of the second distr
83-32-9	Acenaphthene	ND	2400	ug/kg dry	1	09/09/15	B5H2808	8270	
208-96-8	Acenaphthylene	ND	2400	ug/kg dry	- 1	09/09/15	B5H2808	8270	Principal Community of the Principal Anni Community
120-12-7	Anthracene	ND	2400	ug/kg dry	I I	09/09/15	B5H2808	8270	
103-33-3	Azobenzene	ND	4800	ug/kg dry	I	09/09/15	B5H2808	8270	Control Bracks A.L., the commission to
56-55-3	Benz[a]anthracene	4100	2400	ug/kg dry	1	09/09/15	B5H2808	8270	
50-32-8	Benzo[a]pyrene	ND	4800	ug/kg dry	I	09/09/15	B5H2808	8270	Carlo Carlos Car
205-99-2	Benzo[b]fluoranthene	5500	4800	ug/kg dry	1	09/09/15	B5H2808	8270	
191-24-2	Benzo[g,h,i]perylene	ND	4800	ug/kg dry	1	09/09/15	B5H2808	8270	
207-08-9	Benzo[k]fluoranthene	ND	4800	ug/kg dry	1.	09/09/15	B5H2808	8270	
100-51 - 6	Benzyl Alcohol	ND	60000	ug/kg dry	1	09/09/15	B5H2808	8270	Line Strand Control of the Strand Strands
111-91-1	Bis(2-chloroethoxy)methane	ND	4800	ug/kg dry	1	09/09/15	B5H2808	8270	
111-44-4	Bis(2-chloroethyl)ether	ND	2400	ug/kg dry	1	09/09/15	B5H2808	8270	
108-60-1	Bis(2-chloroisopropyl)ether	ND	2400	ug/kg dry	1	09/09/15	B5H2808	8270	
117-81-7	Bis(2-ethylhexyl)phthalate	ND	6000	ug/kg dry	1	09/09/15	B5H2808	8270	
85-68-7	Butyl benzyl phthalate	ND	6000	ug/kg dry	1	09/09/15	B5H2808	8270	
86-74-8	Carbazole	ND	6000	ug/kg dry	· 1	09/09/15	B5H2808	8270	
218-01-9	Chrysene	4500	2400	ug/kg dry	1	09/09/15	B5H2808	8270	
53-70-3	Dibenz[a,h]anthracene	ND	4800	ug/kg dry	1	09/09/15	B5H2808	8270	
132-64-9	Dibenzofuran	ND	6000	ug/kg dry		09/09/15	B5H2808	8270	armaa mee



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

CAS#	Analyte	Result	. RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Sem	ivolatiles		,	•				See 1	note Y20, Y25
84-66-2	Diethylphthalate	ND	6000	ug/kg dry	1	09/09/15	B5H2808	8270	
131-11-3	Dimethyl phthalate	ND	6000	ug/kg dry	1,	09/09/15	B5H2808	8270	
84-74-2	Di-n-butyl phthalate	ND	6000	ug/kg dry	1	09/09/15	B5H2808	8270	***************************************
117-84-0	Di-n-octyl phthalate	ND	6000	. ug/kg dry	1	09/09/15	B5H2808	8270	
206-44-0	Fluoranthene	9200	2400	ug/kg dry	1	09/09/15	B5H2808	8270	in minimikatika sum serikun meriki periori siliki kilori
86-73-7	Fluorene	ND	2400	ug/kg dry	1	09/09/15	B5H2808	8270	
118-74-1	Hexachlorobenzene	ND	4800	ug/kg dry	1	09/09/15	B5H2808	8270	
87-68-3	Hexachlorobutadiene	ND	2400	ug/kg dry	1.	09/09/15	B5H2808	8270	
77-47-4	Hexachlorocyclopentadiene	ND	24000	ug/kg dry	1	09/09/15	B5H2808	8270	and the summer was at the
67-72-1	Hexachloroethane	ND	2400	ug/kg dry	1	09/09/15	B5H2808	8270	
193-39-5	Indeno(1,2,3-c,d)pyrene	· ND	4800	ug/kg dry	1	09/09/15	B5H2808	8270	terrodo Codesi Provincio de ser de Selecció
78-59-1	Isophorone	- ND	2400	ug/kg dry	1	09/09/15	B5H2808	8270	
91-20-3	Naphthalene	ND	2400	ug/kg dry	1	09/09/15	B5H2808	8270	
98-95-3	Nitrobenzene	ND	4800	ug/kg dry	1	09/09/15	B5H2808	8270	
67-75-9	N-Nitrosodimethylamine	ND	6000	ug/kg dry	1	09/09/15	B5H2808	8270	
21-64-7	N-Nitrosodi-n-propylamine	ND	4800	ug/kg dry	1	09/09/15	B5H2808	8270	
5-30-6	N-Nitrosodiphenylamine	ND	4800	ug/kg dry	1	09/09/15	B5H2808	8270	
87-86-5	Pentachlorophenol	ND	40000	ug/kg dry	1	09/09/15	B5H2808	8270	
85-01-8	Phenanthrene	7300	2400	ug/kg dry	1	09/09/15	B5H2808	8270	Takan matu in 1917 Surrakensular belahasi ili
108-95-2	Phenol	ND	7900	ug/kg dry	1	09/09/15	B5H2808	.8270	
129-00-0	Pyrene	9100	2400	ug/kg dry	1	09/09/15	B5H2808	8270	
Surrogate: 2,4,6-Tr	ibromophenol	Not	Applicable	20.3-1	15	09/09/15	B5H2808	8270	
Surrogate: 2-Fluor	obiphenyl	Not	Applicable	32.9-1.	15	09/09/15	B5H2808	8270	V
Surrogate: 2-Fluor	ophenol	Noi	Applicable	23.7-1.	15	09/09/15	B5H2808	8270	· V
Surrogate: Nitrobe	nzene-d5	proceeding the second	Applicable	31.8-1	15	09/09/15	B5H2808	8270	V
Surrogate: Phenol-	d6	w	Applicable	29.3-1		09/09/15	B5H2808	8270	V
Surrogate: p-Terph			Applicable	38.5-1		09/09/15	B5H2808	8270	v



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9900

CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Pesti	cides			·			_	<u> </u>	See note Y20
789-02-6	2,4'-DDT	66	48	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
72-54-8	4,4'-DDD	340	48	ug/kg dry	1	09/10/15	B5H3117	8081/8082	Manthematika (1999-1991) - No - viden and an albaid (1994) (1994
72-55-9	4,4'-DDE	.230	48	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
50-29-3	4,4'-DDT	260	48	ug/kg dry	1	09/10/15	B5H3117	8081/8082	virolandiki i mem tementek vi maji, i. a, njediseleci m
319-84-6	a-BHC	ND	24	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
5103-71-9	a-Chlordane	· ND	- 48	ug/kg dry	1	09/10/15	B5H3117	8081/8082	***************************************
309-00-2	Aldrin	ND	48	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
319-85-7	b-BHC	ND	48	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
319-86-8	d-BHC	ND	. 48	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
60-57-1	Dieldrin	ND	48	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
959-98-8	Endosulfan I	ND	48	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
33213-65-9	Endosulfan II	ND	48	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
1031-07-8	Endosulfan sulfate	, ND	48	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
72-20-8	Endrin	ND	48	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
7421-93-4	Endrin aldehyde	ND	48	.ug/kg dry	1	09/10/15	B5H3117	8081/8082	
53494-70-5	Endrin ketone	ND	48	ug/kg dry	1	09/10/15	B5H3117	8081/8082	. 7
58-89-9	g-BHC (Lindane)	ND	48	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
5103-74-2	g-Chlordane	ND	48	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
76-44-8	Heptachlor	ND	48	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
1024-57-3	Heptachlor epoxide	ND	48	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
87-82-1	Hexabromobenzene	ND	240	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
72-43-5	Methoxychlor	ND	120	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
2385-85-5	Mirex	ND	120	ug/kg dry	1	. 09/10/15	B5H3117	8081/8082	
59080-40-9	PBB (BP-6)	ND.	600	ug/kg dry	1	′09/10/15	B5H3117	8081/8082	
8001-35-2	Toxaphene	ND	400	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
Surrogate: Decachl	orobiphenyl		53.8 %	30-15	0	09/10/15	B5H3117	8081/8082	
Surrogate: Tetrachl	oro-m-xylene		64.9 %	30-15	0	09/10/15	B5H3117	8081/8082	



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-PCB	s as Aroclors	_						,	See note Y20
12674-11-2	Aroclor 1016	ND	240	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
11104-28-2	Aroclor 1221	ND	240	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
11141-16-5	Aroclor 1232	ND	240	ug/kg dry	1	09/10/15	B5H3117	8081/8082	2000 Control C
53469-21-9	Aroclor 1242	ND:	240	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
12672-29-6	Aroclor 1248	ND	240	ug/kg dry	1	09/10/15	B5H3117	8081/8082	**************************************
11097-69-1	Aroclor 1254	, ND	240	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
11096-82-5	Aroclor 1260	ND	240	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
37324-23-5	Aroclor 1262	ND	240	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
11100-14-4	Aroclor 1268	ND	240	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
Surrogate: Decachi	lorobiphenyl		53.8 %	30-15	9	09/10/15	B5H3117	8081/8082	
Surrogate: Tetrachl	loro-m-xylene	anandraniana dianandiko o este de dienergien aptimos — jangalisien jahtigis (geodesis) penajerang (de-	64.9 %	30-15	9	09/10/15	B5H3117	8081/8082	20000000000000000000000000000000000000
Inorganics-Ge	neral Chemistry								
TS	% Total Solids	84.0	0.1	%	1	08/27/15	B5H2709	2540 B	
57-12-5	Total Cyanide	0.37	0.12	mg/kg dry	1	09/03/15	B5I0207	ASTM D7284	and and a second and a second and a second and a second and a second and a second and a second and a second an
organics-Me	etals								
1∕140-36-0	Antimony:	0.8	0.3	mg/kg dry	10	09/08/15	B5H3103	6020/200.8	
7440-38-2	Arsenic	10	5.0	mg/kg dry	100	09/04/15	B510101	6020/200.8	**************************************
7440-39-3	Barium	150	1.0	mg/kg dry	10	09/04/15	B510101	6020/200.8	
7440-41-7	Beryllium	ND	2.0	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	opening the second of
7440-43-9	Cadmium	1.4	0.2	mg/kg dry	10	09/04/15	B5I0101	6020/200.8	
7440-47-3	Chromium	ND	20	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	and the sale of the sale of the sale
7440-48-4	Cobalt	5.7	5.0	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	10 (C. 1197)
7440-50-8	Copper	. 65	10	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	
7439-89-6	Iron	21000	5.0	mg/kg dry	10	09/11/15	B5I0101	6010/200.7	A09
7439-92-1	Lead	130	1.0	mg/kg dry	10	09/04/15	B5I0101	6020/200.8	and British of a social Vand
7439-96-5	Manganese	410	10	mg/kg dry	100	09/04/15	B510101	6020/200.8	
7439-97-6	Mercury	0.2	0.06	mg/kg dry	1	09/10/15	B510902	7471/245.5	
7439-98-7	Molybdenum	2.1	1.0	mg/kg dry	10	09/04/15	B510101	6020/200.8	A09
7440-02-0	Nickel	20	10	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	
7782-49-2	Selenium	ND	, 2.0	mg/kg dry	2.100	09/04/15	B510101	6020/200.8	
7440-22-4	Silver	0.4	0.1	mg/kg dry	10	09/04/15	B5I0101	6020/200,8	
7440-28-0	Thallium	ND	0.5	mg/kg dry	10	09/04/15	B510101	6020/200.8	
7440-62-2	Vanadium	22	10	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	
, 170-04-4	тапашш и	44	10	mg/ ng ui y	100	07/07/13	D210101	0020/200.8	



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

		ı.	ab ID: 150	8223-13					
CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Vola	atiles								
630-20-6	1,1,1,2-Tetrachloroethane	ND	110	ug/kg dry	50	08/28/15	B5H28Ò3	8260	
71-55-6	l,l,l-Trichloroethane	ND	110.	ug/kg dry	50	08/28/15	B5H2803	8260	
79-34-5	1,1,2,2-Tetrachloroethane	ND ·	110	ug/kg dry	50	08/28/15	B5H2803	8260	
79-00-5	1,1,2-Trichloroethane	ND	110	ug/kg dry	50	08/28/15	B5H2803	8260	
75-34-3	1,1-Dichloroethane	ND	110	ug/kg dry	50	08/28/15	B5H2803	8260	
75-35-4	1,1-Dichloroethylene	ND	110	ug/kg dry	50	.08/28/15	B5H2803	8260	
87-61-6	1,2,3-Trichlorobenzene	ND	540	ug/kg dry	50	08/28/15	B5H2803	8260	allining and a second a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second
96-18-4	1,2,3-Trichloropropane	ND	110	ug/kg dry	50	08/28/15	B5H2803	8260	
526-73-8	1,2,3-Trimethylbenzene	ND	110	ug/kg dry	50	08/28/15	B5H2803	8260	
120-82-1	1,2,4-Trichlorobenzene	ND	540	ug/kg dry	50	08/28/15	B5H2803	8260	
95-63-6	1,2,4-Trimethylbenzene	ND	110	ug/kg dry	50	08/28/15	B5H2803	8260	
96-12-8	1,2-Dibromo-3-chloropropane	ND	540	ug/kg dry	50	08/28/15	B5H2803	8260	
106-93-4	1,2-Dibromoethane	ND	110	ug/kg dry	50	08/28/15	B5H2803	8260	
95-50-1	1,2-Dichlorobenzene	ND	110	ug/kg dry	50	08/28/15	B5H2803	8260	
107-06-2	1,2-Dichloroethane	ND	110	ug/kg dry	50	08/28/15	B5H2803	8260	
78-87-5	1,2-Dichloropropane	ND	110	ug/kg dry	- 50	08/28/15	B5H2803	8260	
108-67-8	1,3,5-Trimethylbenzene	ND	110	ug/kg dry	50	08/28/15	B5H2803	8260	
541-73-1	1,3-Dichlorobenzene	ND	110	ug/kg dry	50	08/28/15	B5H2803	8260	
106-46-7	1,4-Dichlorobenzene	ND	110	ug/kg dry	50	08/28/15	B5H2803	8260	
78-93-3	2-Butanone (MEK)	ND	540	ug/kg dry	50	08/28/15	B5H2803	8260	
591-78-6	2-Hexanone	ND	540	ug/kg dry	50	08/28/15	B5H2803	8260	
91-57-6	2-Methylnaphthalene	ND	540	ug/kg dry	50	08/28/15	B5H2803	8260	X
67-64-1	2-Propanone (acetone)	ND	2200	ug/kg dry	50	08/28/15	B5H2803	8260	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	540	ug/kg dry	50	08/28/15	B5H2803	8260	
107-13-1	Acrylonitrile	ND	540	ug/kg dry	50	08/28/15	B5H2803	8260	****
71-43-2	Benzene	ND	110	ug/kg dry	50	08/28/15	B5H2803	8260	
108-86-1	Bromobenzene	ND	110	ug/kg dry	50	08/28/15	B5H2803	8260	
74-97-5	Bromochloromethane	ND	110	ug/kg dry	50	08/28/15	B5H2803	8260	
75-27-4	Bromodichloromethane	ND	110	ug/kg dry	50	08/28/15	B5H2803	8260	
75-25-2	Bromoform	ND	110	ug/kg dry	50	08/28/15	B5H2803	8260	
74-83-9	Bromomethane	ND	540	ug/kg dry	50	08/28/15	B5H2803	8260	Makarakalankana, (UML) (3)
75-15-0	Carbon disulfide	ND	.110	ug/kg dry	50	08/28/15	B5H2803	8260	
56-23-5	Carbon tetrachloride	ND	110	ug/kg dry	50	08/28/15	B5H2803	8260	
108-90-7	Chlorobenzene	ND	110	ug/kg dry	50	08/28/15	B5H2803	8260	
75-00-3	Chloroethane	ND	540	ug/kg dry	50	08/28/15	B5H2803	8260	
67-66-3	Chloroform	ND	110	ug/kg dry	50	08/28/15	B5H2803	8260	
74-87-3	Chloromethane	ND	540	ug/kg dry	50	08/28/15	B5H2803	8260	en de la companya de
156-59-2	cis-1,2-Dichloroethylene	ND .	110	ug/kg dry	50	08/28/15	B5H2803	8260	
10061-01-5	cis-1,3-Dichloropropylene	ND	110	ug/kg dry	50	08/28/15	B5H2803	8260	
110-82-7	Cyclohexane Cyclohexane	ND	540	ug/kg dry	50 50, 50, 5.	08/28/15	B5H2803	8260	
124-48-1	Dibromochloromethane	ND	110	ug/kg dry	50	08/28/15	B5H2803	8260	Later State Control
124-40-1	Photomocinoroniemane	עא	110	ug/kg uty	20	00/20/13	20021160	0200	



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

CAS#	Analyté	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Vol	atiles					-			
74-95-3	Dibromomethane	ND	110	ug/kg dry	50 .	08/28/15	B5H2803	8260	
75-71-8	Dichlorodifluoromethane	ND	540	ug/kg dry	50	08/28/15	B5H2803	8260	
60-29-7	Diethyl ether	ND	540	ug/kg dry	50	08/28/15	B5H2803	8260	
108-20-3	. Diisopropyl Ether	ND	540	ug/kg dry	50	08/28/15	B5H2803	8260	
100-41-4	Ethylbenzene	ND	110	ug/kg dry	50	08/28/15	B5H2803	8260	
637-92 - 3	. Ethyltertiarybutylether	ND	540	ug/kg dry	50	08/28/15	B5H2803	8260	
67-72-1	Hexachloroethane	ND	540	ug/kg dry	50	08/28/15	B5H2803	8260	
98-82-8	Isopropylbenzene	ND	110	ug/kg dry	50	08/28/15	B5H2803	8260	
1330-20-7	m & p - Xylene	ND	220	ug/kg dry	50	08/28/15	B5H2803	8260	
74-88-4	Methyl iodide	ND	110	ug/kg dry	50	08/28/15	B5H2803	8260	
75-09-2	Methylene chloride	ND	540	ug/kg dry	50	08/28/15	B5H2803	8260	
1634-04-4	Methyltertiarybutylether	ND	110	ug/kg dry	50	08/28/15	B5H2803	8260	
91-20-3	Naphthalene	ND	540	ug/kg dry	50	08/28/15	B5H2803	8260	X
104-51-8	. n-Butylbenzene	ND	110	ug/kg dry	50	08/28/15	B5H2803	8260	7.17.121.1811.1811.1811.18(1) 4 .7
103-65-1	n-Propylbenzene	ND	110	ug/kg dry	50	08/28/15	B5H2803	8260	
<u>ე</u> 5-47-6	o-Xylene	ND	110	ug/kg dry	50	08/28/15	B5H2803	8260	##···· • • • • • • • • • • • • • • • • •
)-87-6	p-Isopropyl toluene:	ND	110	ug/kg dry	: 50	08/28/15	B5H2803	8260	are and a
135-98-8	sec-Butylbenzene	ND	110	ug/kg dry	50	08/28/15	B5H2803	8260	*.
100-42-5	Styrene	ND	110	ug/kg dry	50	08/28/15	B5H2803	8260	
98-06-6	tert-Butylbenzene	ND	110	ug/kg dry	50	08/28/15	B5H2803	8260	
75-65-0	tertiary Butyl Alcohol	ND	5400	ug/kg dry	50	08/28/15	B5H2803	8260	
994-05-8	tertiaryAmylmethylether	ND	540	ug/kg dry	50	08/28/15	B5H2803	8260	**************************************
127-18-4	Tetrachloroethylene	ND	110	ug/kg dry	50	08/28/15	B5H2803	8260	
109-99-9	Tetrahydrofuran	ND	540	ug/kg dry	50	08/28/15	B5H2803	8260	ina antimatera mainte escribir per escrib
108-88-3	Toluene	ND	110	ug/kg dry	50	-08/28/15	B5H2803	8260	
156-60-5	trans-1,2-Dichloroethylene	ND	110	ug/kg dry	50	08/28/15	B5H2803	8260	
10061-02-6	trans-1,3-Dichloropropylene	ND	110	ug/kg dry	50	08/28/15	B5H2803	8260	
110-57-6	trans-1,4-Dichloro-2-butene	ND	540	ug/kg dry	50	08/28/15	B5H2803	8260	
79-01-6	Trichloroethylene	ND :	110	ug/kg dry	50	08/28/15	B5H2803	8260	
75-69-4	Trichlorofluoromethane	ND	110	ug/kg dry	50	08/28/15	B5H2803	8260	ana també ai ana 1 ina ipaké jiha ilay ilipagén dipa.
75-01-4	Vinyl chloride	ND	-110	ug/kg dry	50	08/28/15	B5H2803	8260	
urrogate: Bromo	fluorobenzene		139 %	40.3-1	94	08/28/15	B5H2803	8260	<u> </u>
urrogate: Dibror	nofluoromethane		146%	52.1-2	17	08/28/15	B5H2803	8260	
urrogate: Toluen	e-d8		148 %	55.4-1 <u>9</u>	96	08/28/15	B5H2803	8260	



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

	 								
CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifie
Organics-Semiv	volatiles						<u> </u>	See n	ote Y20, Y2
20-82-1	1,2,4-Trichlorobenzene	ND	5900	ug/kg dry	1	09/09/15	B5H2808	8270	010 120, 12
95-95-4	2,4,5-Trichlorophenol	ND	9800	ug/kg dry	1	09/09/15	B5H2808	8270	
88-06-2	2,4,6-Trichlorophenol	ND	9800	ug/kg dry	i	09/09/15	B5H2808	8270	
120-83-2	2,4-Dichlorophenol	ND	9800	ug/kg dry	1	09/09/15	B5H2808	8270	
105-67-9	2,4-Dimethylphenol	ND	9800	ug/kg dry	1	09/09/15	B5H2808	8270	
1-28-5	2,4-Dinitrophenol	ND	50000	ug/kg dry	1	09/09/15	B5H2808	8270	
21-14-2	2,4-Dinitrotoluene	ND	7400	ug/kg dry	1	09/09/15	B5H2808	8270	
506-20-2	2,6-Dinitrotoluene	ND	7400	ug/kg dry	1	09/09/15	B5H2808	8270	
1-58-7	2-Chloronaphthalene	ND	5900	ug/kg dry	1	09/09/15	B5H2808	8270	
95-57-8	2-Chlorophenol	ND	9800	ug/kg dry	1	09/09/15	B5H2808	8270	
34-52-1	2-Methyl-4,6-dinitrophenol	ND	50000	ug/kg dry	1	09/09/15	B5H2808	8270	
1-57-6	2-Methylnaphthalene	ND	7400	ug/kg dry	1	09/09/15	B5H2808	8270	
5-48-7	2-Methylphenol (o-Cresol)	ND	9800	ug/kg dry	1	09/09/15	B5H2808	8270	
88-74-4	2-Nitroaniline	ND	15000	ug/kg dry	1	09/09/15	B5H2808	8270	
8-75-5	2-Nitrophenol	ND	9800	ug/kg dry	1	09/09/15	B5H2808	8270	
08394,106445 ⁻	Cara Cara Cara Cara Cara Cara Cara Cara	· ND	, 20000	ug/kg dry	1	09/09/15	B5H2808	8270	
9-09-2	3-Nitroaniline	ND	15000	ug/kg dry	1	09/09/15	B5H2808	8270	
01-55-3	4-Bromophenyl phenyl ether	ND	5900	ug/kg dry	1	09/09/15	B5H2808	8270	
9-50-7	4-Chloro-3-methyl-phenol	ND	5900	ug/kg dry	1	09/09/15	B5H2808	8270	
005-72-3	4-Chlorodiphenylether	ND	3000	water the same of the same of the same of the same of the same of the same of the same of the same of the same		09/09/15	B5H2808		
00-01-6	4-Nitroaniline	ND ND	15000	ug/kg dry	1	Source Access control of the second control		8270	
00-01-0	4-Nitrophenol	ND ND	50000	ug/kg dry	1	09/09/15 09/09/15	B5H2808	8270	
3-32-9		E 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3000	ug/kg dry	1	0.0000.0000000000000000000000000000000	B5H2808	8270	
3-32-9 08-96-8	Acenaphthene	ND.		ug/kg dry	1 .	09/09/15	B5H2808	8270	
COLUMN TO THE TOTAL PROPERTY OF THE TOTAL PR	Acenaphthylene	ND	3000	ug/kg dry	1	09/09/15	B5H2808	8270	
20-12-7	Anthracene	ND	3000	ug/kg dry	1	09/09/15	B5H2808	8270	
03-33-3	Azobenzene	ND	5900	ug/kg dry	1	09/09/15	B5H2808	8270	
6-55-3	Benz[a]anthracene	ND	3000	ug/kg dry	. 1	09/09/15	B5H2808	8270	
0-32-8	Benzo[a]pyrene	ND	5900	ug/kg dry	1	09/09/15	B5H2808	8270	
05-99-2	Benzo[b]fluoranthene	ND	5900	ug/kg dry	1	09/09/15	B5H2808	8270	
91-24-2	Benzo[g,h,i]perylene	ND	5900	ug/kg dry	1	09/09/15	B5H2808	8270	
07-08-9	Benzo[k]fluoranthene	ND -	5900	ug/kg dry	1	09/09/15	B5H2808	8270	
00-51-6	Benzyl Alcohol	ND	74000	ug/kg dry	1	09/09/15	B5H2808	8270	
11-91-1	Bis(2-chloroethoxy)methane	ND	5900	ug/kg dry	1 "	09/09/15	B5H2808	8270	
11-44-4	Bis(2-chloroethyl)ether	ND	3000	ug/kg dry	I	09/09/15	B5H2808	8270	
08-60-1	Bis(2-chloroisopropyl)ether	ND	3000	ug/kg dry	1	09/09/15	B5H2808	8270	
17-81-7	Bis(2-ethylhexyl)phthalate	ND	7400	ug/kg dry	1	09/09/15	B5H2808	8270	
5-68-7	Butyl benzyl phthalate	ND	7400	ug/kg dry	1	09/09/15	B5H2808	8270	11.
6-74-8	Carbazole	ND	7400	ug/kg dry	1	09/09/15	B5H2808	8270	
18-01-9	Chrysene	ND	3000	ug/kg dry	1	09/09/15	B5H2808	8270	
3-70-3	Dibenz[a,h]anthracene	ND	5900	ug/kg dry	1	09/09/15	B5H2808	8270	or a second of the second of
32-64-9	Dibenzofuran	NĐ	7400	ug/kg dry	1	09/09/15	B5H2808-	8270	77



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Sem	ivolatiles .							See n	ote Y20, Y25
84-66-2	Diethylphthalate	ND	7400	ug/kg dry	1	09/09/15	B5H2808	8270	
131-11-3	Dimethyl phthalate	ND	7400	ug/kg dry	1	09/09/15	B5H2808	8270	
84-74-2	Di-n-butyl phthalate	ND	7400	ug/kg dry	1	09/09/15	B5H2808	8270	and the second section of the second
117-84-0	Di-n-octyl phthalate	ND	7400	ug/kg dry	1	09/09/15	B5H2808	8270	
206-44-0	₄Fluoranthene	3900	3000	ug/kg dry	. 1	09/09/15	B5H2808	8270	-de initia-terminalisma dendra de la laca, que facili, qu
86-73-7	Fluorene	ND	3000	ug/kg dry	1	09/09/15	B5H2808	8270	
118-74-1	Hexachlorobenzene	ND	5900	ug/kg dry	1	09/09/15	B5H2808	8270	
87-68-3	Hexachlorobutadiene	ND	3000	ug/kg dry	1	09/09/15	B5H2808	8270	
77-47-4	Hexachlorocyclopentadiene	ND	30000	ug/kg dry	1	09/09/15	B5H2808	8270	liele Korrespiele en oarmen en kanne en
67-72-1	Hexachloroethane	ND	3000	ug/kg dry	1	09/09/15	B5H2808	8270	
193-39-5	Indeno(1,2,3-c,d)pyrene	ND	5900	ug/kg dry	1	09/09/15	B5H2808	8270	
78- 59-1	Isophorone	ND	3000	ug/kg dry	1	09/09/15	B5H2808	8270	
91-20-3	Naphthalene	ND	3000	ug/kg dry	1	09/09/15	B5H2808	8270	
98-95-3	Nitrobenzene	ND	5900	ug/kg dry	1	09/09/15	B5H2808	8270	
67-75-9	N-Nitrosodimethylamine	ND	7400	ug/kg dry	1 `	09/09/15	B5H2808	8270	************
₹21-64-7	N-Nitrosodi-n-propylamine	ND	5900	ug/kg dry	1	09/09/15	B5H2808	8270	
5-30-6	N-Nitrosodiphenylamine	ND	5900	ug/kg dry	I	09/09/15	B5H2808	8270	
87-86-5	Pentachlorophenol	· ND·	50000	ug/kg dry	1	09/09/15	B5H2808	8270	
85-01-8	Phenanthrene	ND	3000	ug/kg dry	1	09/09/15	B5H2808	8270	
108-95-2	Phenol	ND	9800	ug/kg dry	1	09/09/15	B5H2808	8270	
129-00-0	Pyrene	4300	3000	ug/kg dry	1	09/09/15	B5H2808	8270	**************************************
Surrogate: 2,4,6-1	ribromophenol	Not	Applicable	20.3-11	5	Ŏ9/09/15	B5H2808	8270	, v
Surrogate: 2-Fluo	robiphenyl	Not	Applicable	32.9-11	5	09/09/15	B5H2808	8270	V
Surrogate: 2-Fluo	rophenol	Noi	Applicable	23.7-1	'5	09/09/15	B5H2808	8270	γ
Surrogate: Nitrobe	enzene-d5	Not	Applicable	31.8-11	'5	09/09/15	B5H2808	8270	· <i>V</i>
Surrogate: Phenol	·d6	Not	Applicable	29.3-1	5	09/09/15	B5H2808	8270	ν
Surrogate: p-Terpl	henvl-d14		Applicable	38.5-11	· · · · · · · · · · · · · · · · · · ·	09/09/15	B5H2808	8270	· <i>V</i>



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Pesti	cides						· 		See note Y20
789-02-6	2,4'-DDT	3400	590	ug/kg dry	10	09/15/15	B5H3117	8081/8082	
72-54-8	4,4'-DDD	970	590	ug/kg dry	10	09/15/15	B5H3117	8081/8082	
72-55-9	4,4'-DDE	18000	5900	ug/kg dry	100	09/16/15	B5H3117	8081/8082	
50-29-3	4,4'-DDT	15000	5900	ug/kg dry	100	09/16/15	B5H3117	8081/8082	
319-84-6	a-BHC	ND	300	ug/kg dry	10	09/15/15	B5H3117	8081/8082	
5103-71-9	a-Chlordane	ND	590	ug/kg dry	10	09/15/15	B5H3117	8081/8082	
309-00-2	Aldrin	ND	590	ug/kg dry	10	09/15/15	B5H3117	8081/8082	
319-85-7	b-ВНС	ND	590	ug/kg dry	10	09/15/15	B5H3117	8081/8082	
319-86-8	d-BHC	ND	590	ug/kg dry	10	09/15/15	B5H3117	8081/8082	
60-57-1	Dieldrin	ND	590	ug/kg dry	10	09/15/15	B5H3117	8081/8082	
959-98-8	Endosulfan I	ND	*590	ug/kg dry	10	09/15/15	B5H3117	8081/8082	
33213-65-9	Endosulfan II	ND	590	ug/kg dry	10	09/15/15	B5H3117	8081/8082	
1031-07-8	Endosulfan sulfate	ND -	590	ug/kg dry	10	09/15/15	B5H3117	8081/8082	
72-20-8	Endrin	ND	590	ug/kg dry	10	09/15/15	B5H3117	8081/8082	
7421-93-4	Endrin aldehyde	ND	590	ug/kg dry	10	09/15/15	B5H3117	8081/8082	
53494-70-5	Endrin ketone	· ND	590	ug/kg dry	10	09/15/15	B5H3117	8081/8082	, –
58-89-9	g-BHC (Lindane)	ND	590	ug/kg dry	10	09/15/15	B5H3117	8081/8082	\/
5103-74-2	g-Chlordane	ND	590	ug/kg dry	10	09/15/15	B5H3117	8081/8082	
76-44-8	Heptachlor	ND	590	ug/kg dry	10	09/15/15	B5H3117	8081/8082	
1024-57-3	Heptachlor epoxide	ND	590 ·	ug/kg dry	10	09/15/15	B5H3117	8081/8082	
87-82-1	Hexabromobenzene	ND	3000	ug/kg dry	10	09/15/15	B5H3117	8081/8082	
72-43-5	Methoxychlor	ND	1500	ug/kg dry	10	09/15/15	B5H3117	8081/8082	\
2385-85-5	Mirex	ND	1500	ug/kg dry	10	09/15/15	B5H3117	8081/8082	
59080-40-9	PBB (BP-6)	ND	7400	ug/kg dry	10	09/15/15	B5H3117	8081/8082	
8001-35-2	Toxaphene	ND .	5000	ug/kg dry	10	09/15/15	B5H3117	8081/8082	
Surrogate: Decach	lorobiphenyl		122 %	30-15	0	09/15/15	B5H3117	8081/8082	
Surrogate: Tetrachi	loro-m-xylene		80.1%	30-15	0	09/15/15	B5H3117	8081/8082	



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

		, <u> </u>		0223-13					
CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-PCB	s as Aroclors								See note Y20
12674-11-2	Aroclor 1016	ND	300	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
11104-28-2	Aroclor 1221	ND	300	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
11141-16-5	Aroclor 1232	ND	300	ug/kg dry	1	09/10/15	B5H3117	8081/8082	Elministration liverage beauty
53469-21-9	Aroclor 1242	ND	300	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
12672-29-6	Aroclor 1248	ND '	300	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
11097-69-1	Aroclor 1254	ND	300	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
11096-82-5	Aroclor 1260	ND	300	ug/kg dry	1	09/10/15	B5H3117	8081/8082	Title Little American (* 7. September - Stan September -
37324-23-5	Aroclor 1262	ND.	300	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
11100-14-4	Aroclor 1268	ND	300	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
lurrogate: Decachi	lorobiphenyl		122%	30-150)	09/10/15	B5H3117	8081/8082	
Surrogate: Tetrachi	loro-m-xylene		80.1 %	30-150)	09/10/15	B5H3117	8081/8082	an an haile an aire an an an an an an an an an an an an an
norganics-Ge	neral Chemistry								
ΓS	% Total Solids	67,5	0,1	%	1	08/27/15	B5H2709	2540 B	
57-12-5	Total Cyanide	0.43	0.15	mg/kg dry	1	09/03/15	B5I0207	ASTM D7284	
⊓organics-Me	•						5010201		
/140-36-0	Antimony	2.2	0.3	mg/kg dry	10	09/08/15	B5H3103	6020/200 P	
7440-38-2	Arsenic	wanted as a second with the same of	0.5	a interior constitution and circles		Same and Allen	Control of the Contro	6020/200.8	
7440-39-3	Barium	11		mg/kg dry	10	09/04/15	B5I0101	6020/200.8	
		120	1.0	mg/kg dry	10	09/04/15	B5I0101	6020/200.8	
7440-41-7	Beryllium	0.5	0.2	mg/kg dry	10	09/04/15	B5I0101	6020/200.8	
7440-43-9	Cadmium	13	0.2	mg/kg dry	10	09/04/15	B5I0101	6020/200,8	71.
7440-47-3	Chromium	29	2.0	mg/kg dry	10	09/04/15	B5I0101	6020/200.8	
7440-48-4	Cobalt	4.5	0.5	mg/kg dry	10	09/04/15	B510101	6020/200.8	
7440-50-8	Copper	. 45	1.0	mg/kg dry	10	09/04/15	B510101	6020/200.8	
7439-89-6	Iron	13000	5.0	.mg/kg dry	10	09/11/15	B510101	6010/200.7	A09
7439-92-1	Lead	230	1.0	mg/kg dry	10	09/04/15	B5I0101	6020/200.8	
7439-96-5	Manganese	510	1.0	mg/kg dry	10	09/04/15	B510101	6020/200.8	
7439-97-6	Mercury	0.2	0.07	mg/kg dry	1	09/10/15	B5I0902	7471/245.5	
7439-98-7	Molybdenum	2.6	1.0	mg/kg dry	10	09/04/15	B510101	6020/200.8	A09
7440-02-0	Nickel	20	1.0	mg/kg dry	10	09/04/15	B5I0101	6020/200.8	reconstituisti tetti. Religiinin 2002.
7782-49-2	Selenium	0.8	0.2	mg/kg dry	10	09/04/15	B5I0101	6020/200.8	
	O S =	0.3	0.1	mg/kg dry	10	09/04/15	B5I0101	6020/200.8	and the Contraction of the Contr
7440-22-4	Silver	0.3							
ett. Alectionalisassitores, como e re	Silver Thallium	ND	0.5	mg/kg dry	10	09/04/15	B510101	6020/200.8	
7440-22-4 7440-28-0 7440-62-2	CONTRACTOR OF THE CONTRACTOR O	Paragram and process proper many recognition of the constant and a second		mg/kg dry mg/kg dry	.10 10	09/04/15 09/04/15	B510101 B510101	6020/200.8 6020/200.8	



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

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CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Volat	tiles				-				
630-20-6	1,1,1,2-Tetrachloroethane	ND	69	ug/kg dry	50	08/28/15	B5H2803	8260	
71-55-6	1,1,1-Trichloroethane	ND	69	ug/kg dry	50	08/28/15	B5H2803	8260	
79-34-5	1,1,2,2-Tetrachloroethane	ND	69	ug/kg dry	50	08/28/15	B5H2803	8260	er per e in industrian (1996) en en en en en en en en en en en en en
79-00-5	1,1,2-Trichloroethane	ND -	69	ug/kg dry	50	08/28/15	B5H2803	8260	
75-34-3	1,1-Dichloroethane	ND	69	ug/kg dry	50	08/28/15	B5H2803	8260	r, - e-reidening - eelingerge - eeling - ee
75-35-4	1,1-Dichloroethylene	ND	69	ug/kg dry	50	08/28/15	B5H2803	8260	
87-61-6	1,2,3-Trichlorobenzene	ND	340	ug/kg dry	50	08/28/15	B5H2803	8260	
96-18-4	1,2,3-Trichloropropane	ND	69	ug/kg dry	50	08/28/15	B5H2803	8260	
526-73-8	1,2,3-Trimethylbenzene	ND	69	ug/kg dry	50	08/28/15	B5H2803	8260	
120-82-1	1,2,4-Trichlorobenzene	ND	340	ug/kg dry	50	08/28/15	B5H2803	8260	
95-63-6	1,2,4-Trimethylbenzene	ND	69	ug/kg dry	50	08/28/15	B5H2803	8260	
96-12-8	1,2-Dibromo-3-chloropropane	ND	340	ug/kg dry	50	08/28/15	B5H2803	8260	
106-93-4	1,2-Dibromoethane	ND	69	ug/kg dry	50	08/28/15	B5H2803	8260	
95-50-1	1,2-Dichlorobenzene	ND	69	ug/kg dry	50	08/28/15	B5H2803	8260	
107-06-2	1,2-Dichloroethane	ND	69	ug/kg dry	50	08/28/15	B5H2803	8260	ne, e was a street we
78-87-5	1,2-Dichloropropane	ND	69	ug/kg dry	50	08/28/15	B5H2803	8260	
108-67-8	1,3,5-Trimethylbenzene	ND	69	ug/kg dry	50	08/28/15	B5H2803	8260	r managangan
541-73-1	1,3-Dichlorobenzene	ND	69	ug/kg dry	50	08/28/15	B5H2803	8260	
106-46-7	1,4-Dichlorobenzene	ND	69	ug/kg dry	50	08/28/15	B5H2803	8260	
78-93-3	2-Butanone (MEK)	ND	340	ug/kg dry	50.	08/28/15	B5H2803	8260	
591-78-6	2-Hexanone	ND	340	ug/kg dry	50	08/28/15	B5H2803	8260	and the second s
91-57-6	2-Methylnaphthalene	ND	340	ug/kg dry	50	08/28/15	B5H2803	8260	X
67-64-1	2-Propanone (acetone)	ND	1400	ug/kg dry	50	08/28/15	B5H2803	8260	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	340	ug/kg dry	50	08/28/15	B5H2803	8260	
107-13-1	Acrylonitrile	ND	340	ug/kg dry	50	08/28/15	B5H2803	8260	A
71-43-2	Benzene	ND	69	ug/kg dry	50	08/28/15	B5H2803	8260	
108-86-1	Bromobenzene	ND	69	ug/kg dry	50	08/28/15	B5H2803	8260	38.6
74-97-5	Bromochloromethane	ND	69	ug/kg dry	50	08/28/15	B5H2803	8260	
75-27-4	Bromodichloromethane	ND	·69	ug/kg dry	50	08/28/15	B5H2803	8260	
75-25-2	Bromoform	ND	69	ug/kg dry	50	08/28/15	B5H2803	8260	
74-83-9	Bromomethane	ND	340	ug/kg dry	50	08/28/15	B5H2803	8260	
75-15-0	Carbon disulfide	ND	69	ug/kg dry	50	08/28/15	B5H2803	8260	
56-23-5	Carbon tetrachloride	ND	69	ug/kg dry	50	08/28/15	B5H2803	8260	
108-90-7	Chlorobenzene	ND	, 69	ug/kg dry	50	08/28/15	B5H2803	8260	
75-00-3	Chloroethane	ND	340	ug/kg dry	50	08/28/15	B5H2803	8260	
67-66-3	Chloroform	ND	69	ug/kg dry	50	08/28/15	B5H2803	8260	
74-87-3	Chloromethane	ND	340	ug/kg dry	50	08/28/15	B5H2803	8260	
156-59-2	cis-1,2-Dichloroethylene	ND ND	69	ug/kg dry	50	08/28/15		8260	
10061-01-5	cis-1,3-Dichloropropylene	ND	69	ug/kg dry	50	08/28/15	B5H2803	8260	
. In add in the control of the second part of the provides a control	Cyclohexane	oversite and mergeritation story and	340	ug/kg dry	50	08/28/15	B5H2803	8260 8260	Commission of the second secon
110-82-7	Secretary and the secretary an	ND ND	69	Carried Control of the Control of th		08/28/15	B5H2803	8260	
124-48-1	Dibromochloromethane	ND	09	ug/kg dry	50	00/20/13	בטסגווכת	640U	,



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

CAS#	- Analyte	 Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Vol	atiles								
74-95-3	Dibromomethane	ND	69	ug/kg dry	50	08/28/15	B5H2803	8260	
75-71-8	Dichlorodifluoromethane	ND	340	ug/kg dry	50	08/28/15	B5H2803	8260	retiller van de andaper van de ste en de neigen van de steen van
60-29-7	Diethyl ether	ND	340	ug/kg dry	50	08/28/15	B5H2803	8260	
108-20-3	Diisopropyl Ether	ND `	340	ug/kg dry	50	08/28/15	B5H2803	8260	immen (1986, a 1966, a) la etia (1966).
100-41-4	Ethylbenzene	ND	69	ug/kg dry	50	08/28/15	B5H2803	8260	
637-92-3	Ethyltertiarybutylether	ND	340	ug/kg dry	50	08/28/15	B5H2803	8260	
67-72-1	Hexachloroethane	ND	340	ug/kg dry	50	08/28/15	B5H2803	8260	
98-82 - 8	Isopropylbenzene	ND	69	ug/kg dry	50	08/28/15	B5H2803	8260	oran old distance of the state
1330-20-7	m & p - Xylene	ND -	140	ug/kg dry	:50	08/28/15	B5H2803	8260	
74-88-4	Methyl iodide	ND	69	ug/kg dry	50	08/28/15	B5H2803	8260	an i mellagar mengan panagar i mengapabbah ga
75-09-2	Methylene chloride	ND'	340	ug/kg dry	50	08/28/15	B5H2803	8260	
1634-04-4	Methyltertiarybutylether	ND	69	ug/kg dry	50	08/28/15	B5H2803	8260	
91-20-3	Naphthalene	ND	340	ug/kg dry	50	08/28/15	B5H2803	8260	X
104-51-8	n-Butylbenzene	ND	69	ug/kg dry	50	08/28/15	B5H2803	8260	
103-65-1	n-Propylbenzene	ND	69	ug/kg dry	50	08/28/15	B5H2803	8260	
^5-47 - 6	o-Xylene	ND	69	ug/kg dry	50	08/28/15	B5H2803	8260	
)-87-6	p-Isopropyl toluene	ND	69	ug/kg dry	50	08/28/15	B5H2803	8260	
135-98-8	sec-Butylbenzene	ND	69	ug/kg dry	50	08/28/15	B5H2803	8260	and the second sections.
100-42-5	Styrene	ND	69	ug/kg dry	50	08/28/15	B5H2803	8260	
98-06-6	tert-Butylbenzene	ND	69	ug/kg dry	50	08/28/15	B5H2803	8260	Action to the second se
75-65-0	tertiary Butyl Alcohol	ND	3400	ug/kg dry	- 50	08/28/15	B5H2803	8260	
994-05-8	tertiaryAmylmethylether	ND	340	ug/kg dry	50	08/28/15	B5H2803	8260	<u></u>
127-18-4	Tetrachloroethylene	ND	69	ug/kg dry	50	08/28/15	B5H2803	8260	
109-99-9	Tetrahydrofuran	ND	340	ug/kg dry	50	08/28/15	B5H2803	8260	*****
108-88-3	Toluene	ND	69	ug/kg dry	50	08/28/15	B5H2803	8260	
156-60-5	trans-1,2-Dichloroethylene	ND	69	ug/kg dry	50	08/28/15	B5H2803	8260	
10061-02-6	trans-1,3-Dichloropropylene	ND	69	ug/kg dry	50	08/28/15	B5H2803	8260	
110-57-6	trans-1,4-Dichloro-2-butene	ND	340	ug/kg dry	50	08/28/15	B5H2803	8260	
79-01-6	Trichloroethylene	ND	69	ug/kg dry	50	08/28/15	B5H2803	8260	
75-69-4	Trichlorofluoromethane	ND	69	ug/kg dry	50	08/28/15	B5H2803	8260	Alamania (III. Latifa di 1981)
75-01-4	Vinyl chloride	ND .	69	ug/kg dry	50	08/28/15	B5H2803	8260	
Surrogate: Bromo	fluorobenzene		144 %	40.3-19	94	08/28/15	B5H2803	8260	
Surrogate: Dibron	nofluoromethane		153 %	52.1-2	17	08/28/15	B5H2803	8260	
Surrogate: Toluen	e-d8 ·	And the suppression of the suppr	153 %	55.4-19	96	08/28/15	B5H2803	8260	and the second s



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
_							-		. 7/20 7/27
Organics-Semivo								and the second s	note Y20, Y25
120-82-1	1,2,4-Trichlorobenzene	ND	4900	ug/kg dry	1	09/09/15	B5H2808	8270	
95-95-4	2,4,5-Trichlorophenol	ND	8000	ug/kg dry	1	09/09/15	B5H2808	8270	
88-06-2	2,4,6-Trichlorophenol	ND	8000	ug/kg dry	1	09/09/15	B5H2808	8270	
120-83-2	2,4-Dichlorophenol	ND	8000	ug/kg dry	1	09/09/15	B5H2808	8270	
105-67-9	2,4-Dimethylphenol	ND	8000	ug/kg dry	1	09/09/15	B5H2808	8270	
51-28-5	2,4-Dinitrophenol	ND	41000	ug/kg dry	1	09/09/15	B5H2808	8270	
121-14-2	2,4-Dinitrotoluene	ND	6100	ug/kg dry	1	09/09/15	B5H2808	8270	
606-20-2	2,6-Dinitrotoluene	ND	6100	ug/kg dry	I	09/09/15	B5H2808	8270	
91-58-7	2-Chloronaphthalene	ND	4900	. ug/kg dry	1	09/09/15	B5H2808	8270	
95-57-8	2-Chlorophenol	ND	8000	ug/kg dry	1 .	09/09/15	B5H2808	8270	
534-52-1	2-Methyl-4,6-dinitrophenol	ND	41000	ug/kg dry	1	09/09/15	B5H2808	8270	
91-57-6	2-Methylnaphthalene	ND	6100	ug/kg dry	1	09/09/15	B5H2808	8270	
95-48-7	2-Methylphenol (o-Cresol)	ND	8000	ug/kg dry	1	09/09/15	B5H2808	8270	
88-74-4	2-Nitroaniline	ND	12000	ug/kg dry	1	09/09/15	B5H2808	8270	
88-75-5	2-Nitrophenol	ND	8000	ug/kg dry	1	09/09/15	B5H2808	8270	
108394,106445	3 & 4-Methylphenol	ND	16000	ug/kg dry	1	09/09/15	B5H2808	8270	
99-09-2	3-Nitroaniline	ND	12000	ug/kg dry	1	09/09/15	B5H2808	8270)
101-55-3	4-Bromophenyl phenyl ether	ND	4900	ug/kg dry	1	09/09/15	B5H2808	8270	_
59-50-7	4-Chloro-3-methyl-phenol	ND	4900	ug/kg dry	1	09/09/15	B5H2808	8270	
7005-72-3	4-Chlorodiphenylether	ND	2400	ug/kg dry	1	09/09/15	B5H2808	8270	***************************************
100-01-6	4-Nitroaniline	ND	12000	ug/kg dry	1	-09/09/15	B5H2808	8270	
100-02-7	4-Nitrophenol	ND	41000	ug/kg dry	1	09/09/15	B5H2808	8270	
83-32-9	Acenaphthene	ND	2400	ug/kg dry	1	09/09/15	B5H2808	8270	
208-96-8	Acenaphthylene	ND	-2400	ug/kg dry	1	09/09/15	B5H2808	8270	
120-12-7	Anthracene	ND	2400	ug/kg dry	1	09/09/15	B5H2808	8270	
103-33-3	Azobenzene	ND	4900	ug/kg dry	1	09/09/15	B5H2808	8270	
56-55-3	Benz[a]anthracene	2700	2400	ug/kg dry	1	09/09/15	B5H2808	8270	
50-32-8	Benzo[a]pyrene	ND	4900	ug/kg dry	1	09/09/15	B5H2808	8270	
205-99-2	Benzo[b]fluoranthene	ND	4900	ug/kg dry	1	09/09/15	B5H2808	8270	
191-24-2	Benzo[g,h,i]perylene	ND	4900	ug/kg dry	1	09/09/15	B5H2808	8270	
207-08-9	Benzo[k]fluoranthene	ND	4900	ug/kg dry	1	09/09/15	B5H2808	8270	
100-51-6	Benzyl Alcohol	ND	61000	ug/kg dry	1	09/09/15	B5H2808	8270	
111-91-1	Bis(2-chloroethoxy)methane	ND	4900	ug/kg dry	1	09/09/15	B5H2808	8270	
111-44-4	Bis(2-chloroethyl)ether	ND	2400	ug/kg dry	1	09/09/15	B5H2808	8270	
108-60-1	Bis(2-chloroisopropyl)ether	ND	2400	ug/kg dry	1	09/09/15	B5H2808	8270	
117-81-7	Bis(2-ethylhexyl)phthalate	ND	6100	ug/kg dry	1	09/09/15	B5H2808	8270	more agreement of the state of
85-68-7	Butyl benzyl phthalate	ND	6100	ug/kg dry	1	09/09/15	B5H2808	8270	
86-74-8	Carbazole	ND	6100	ug/kg dry	1	09/09/15	B5H2808	8270	
218-01-9	Chrysene	3300	2400	ug/kg dry	1	09/09/15	B5H2808	8270	
53-70-3	Dibenz[a,h]anthracene	` ND	4900	ug/kg dry	1	09/09/15	B5H2808	8270	
132-64-9	Dibenzofuran	ND	6100	ug/kg dry	1	09/09/15	B5H2808	8270	



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

CAS#	Analyte	Result	RL.	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Sem	ivolatiles				<u> </u>		·	See n	ote Y20, Y25
84-66-2	Diethylphthalate	ND	6100	ug/kg dry	1	09/09/15	B5H2808	8270	
131-11-3	Dimethyl phthalate	ND	6100	ug/kg dry	1	09/09/15	B5H2808	8270	
84-74-2	Di-n-butyl phthalate	ND	6100	ug/kg dry	1	09/09/15	B5H2808	8270	
117-84-0	Di-n-octyl phthalate	ND	6100	ug/kg dry	1	09/09/15	B5H2808	8270	
206-44-0	Fluoranthene	5000	2400	ug/kg dry	1	09/09/15	B5H2808	8270	
86-73-7	Fluorene	ND	2400	ug/kg dry	1	09/09/15	B5H2808	8270	
118-74-1	Hexachlorobenzene	ND	4900	ug/kg dry	1	09/09/15	B5H2808	8270	**************************************
87-68-3	Hexachlorobutadiene	ND	2400	ug/kg dry	1	09/09/15	B5H2808	8270	
77-47-4	Hexachlorocyclopentadiene	ND	24000	ug/kg dry	1	09/09/15	B5H2808	8270	1
67-72-1	Hexachloroethane	ND	2400	ug/kg dry	1	09/09/15	B5H2808	8270	
193-39-5	Indeno(1,2,3-c,d)pyrene	ND	4900	ug/kg dry	1	09/09/15	B5H2808	8270	
78-59-1	Isophorone	ND	2400	ug/kg dry	1	09/09/15	B5H2808	8270	
91-20-3	Naphthalene	ND	2400	ug/kg dry	1	09/09/15	B5H2808	8270	
98-95-3	Nitrobenzene	NĎ	4900	ug/kg dry	. 1	09/09/15	B5H2808	8270	
67-75-9	N-Nitrosodimethylamine	ND	6100	ug/kg dry	1	09/09/15	B5H2808	8270	***************************************
721-64-7	N-Nitrosodi-n-propylamine	ND	4900	ug/kg dry	1	09/09/15	B5H2808	8270	and the second
6-30-6	N-Nitrosodiphenylamine	ND	4900	ug/kg dry	1	09/09/15	B5H2808	8270	a contract of the same and delice on the be-
87-86-5	Pentachlorophenol	ND	41000	ug/kg dry	1	09/09/15	B5H2808	8270	
85-01-8	Phenanthrene	2500	2400	ug/kg dry	1	09/09/15	B5H2808	8270	
108-95-2	Phenol	ND	8000	ug/kg dry	1	09/09/15	B5H2808	8270	
129-00-0	Pyrene	5600	2,400	ug/kg dry	1	09/09/15	B5H2808	8270	
Surrogate: 2,4,6-7	ribromophenol	Not	Applicable	20.3-11	5	09/09/15	B5H2808	8270	V
Surrogate: 2-Fluo	robiphenyl	Not	Applicable	32.9-11	5	09/09/15	B5H2808	8270	V
Surrogate: 2-Fluo	rophenol	Not	Applicable	23.7-11	5	09/09/15	B5H2808	8270	V
Surrogate: Nitrobe	enzene-d5	Not	Applicable	31.8-11	5	09/09/15	B5H2808	8270	V
Surrogate: Phenol	-d6	property and the second	Applicable	29.3-11	5	09/09/15	B5H2808	8270	V
Surrogate: p-Terpl			Applicable	38.5-11		09/09/15	B5H2808	8270	V



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

					-	Analyzed	000		
CAS#	Analyte	Result	RL	Units	Dilution	Date	QC Batch	Method	Qualifier
Organics-Pes	ticides								See note Y20
789-02-6	/2,4'-DDT	ND	490	ug/kg dry	10	09/15/15	B5H3117	8081/8082	
72-54-8	4,4'-DDD	1300	490	ug/kg dry	10	09/15/15	B5H3117	8081/8082	
72-55-9	4,4'-DDE	3800	490	ug/kg dry	10	09/15/15	B5H3117	8081/8082	
50-29-3	4,4'-DDT	1100	490	ug/kg dry	10	09/15/15	B5H3117	8081/8082	
319-84-6	a-BHC	ND	240	ug/kg dry	10	09/15/15	B5H3117	8081/8082	
5103-71-9	a-Chlordane	ND	490	ug/kg dry	10	09/15/15	B5H3117	8081/8082	
309-00-2	Aldrin	ND	490	ug/kg dry	10	09/15/15	B5H3117	8081/8082	
319-85-7	b-BHC	ND	490	ug/kg dry	10	09/15/15	B5H3117	8081/8082	
319-86-8	d-BHC	ND	490	ug/kg dry	10	09/15/15	B5H3117	8081/8082	
60-57-1	Dieldrin	ND	490	ug/kg dry	10	09/15/15	B5H3117	8081/8082	
959-98-8	Endosulfan I	ND	490	ug/kg dry	10	09/15/15	B5H3117	8081/8082	
33213-65-9	Endosulfan II	ND	490	ug/kg dry	10	09/15/15	B5H3117	8081/8082	
1031-07-8	Endosulfan sulfate	ND	490	ug/kg dry	10	09/15/15	B5H3117	8081/8082	
72-20-8	Endrin	ND	490	ug/kg dry	10	09/15/15	B5H3117	8081/8082	
7421-93-4	Endrin aldehyde	ND	490	ug/kg dry	10	09/15/15	B5H3117	8081/8082	
53494-70-5	Endrin ketone	ND	490	ug/kg dry	10	09/15/15	B5H3117	8081/8082	-
58-89-9	g-BHC (Lindane)	ND ND	490	ug/kg dry	10	09/15/15	B5H3117	8081/8082	1.0
5103-74-2	g-Chlordane	ND	490	ug/kg dry	10	09/15/15	B5H3117	8081/8082	
76-44-8	Heptachlor	ND	490	ug/kg dry	10	09/15/15	B5H3117	8081/8082	
1024-57-3	Heptachlor epoxide	ND	490	ug/kg dry	10	09/15/15	B5H3117	8081/8082	
87-82-1	Hexabromobenzene	ND	2400	ug/kg dry	10	09/15/15	B5H3117	8081/8082	
72-43-5	Methoxychlor	ND	1200	ug/kg dry	10	09/15/15	B5H3117	8081/8082	
2385-85-5	Mirex	ND	1200	ug/kg dry	10	09/15/15	B5H3117	8081/8082	
59080-40-9	PBB (BP-6)	, ND	6100	ug/kg dry	10	09/15/15	B5H3117	8081/8082	
8001-35-2	Toxaphene	ND	4100	ug/kg dry	10	09/15/15	B5H3117	8081/8082	1
Surrogate: Decac.	hlorobiphenyl		105 %	30-15	0	09/15/15	B5H3117	8081/8082	
Surrogate: Tetraci	hloro-m-xylene		70.6 %	30-15	0	09/15/15	B5H3117	8081/8082	e de la companya de l



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CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-PCB	s as Aroclors							S	See note Y20
12674-11-2	Aroclor 1016	ND	240	ug/kg dry	. 1	09/10/15	B5H3117	8081/8082	
11104-28-2	Aroclor 1221	ND	240	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
11141-16-5	Aroclor 1232	ND	240	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
53469-21-9	Aroclor 1242	ND	240	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
12672-29-6	Aroclor 1248	ND	240	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
11097-69-1	Aroclor 1254	ND	240	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
11096-82-5	Aroclor 1260	ND	240	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
37324-23-5	Aroclor 1262	ND	240	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
11100-14-4	Aroclor 1268	ND	240	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
Surrogate: Decach	lorobiphenyl		105 %	30-15	0	09/10/15	B5H3117	8081/8082	
Surrogate: Tetrach	loro-m-xylene		70.6 %	30-15	0	09/10/15	B5H3117	8081/8082	
Inorganics-Ge	neral Chemistry								
TS	% Total Solids	82.4	0.1	%	1	08/27/15	B5H2709	2540 B	
57-12-5	Total Cyanide	0.46	0.12	mg/kg dry	1	09/03/15	B5I0207	ASTM D7284	
organics-Me	etals								
/440-36-0	Antimony	1.0	0.3	mg/kg dry	10	09/08/15	B5H3103	6020/200.8	
7440-38-2	Arsenic	9.4	5.0	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	
7440-39-3	Barium	. 110	1.0	mg/kg dry	10	09/04/15	B5I0101	6020/200.8	
7440-41-7	Beryllium	ND	2.0	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	***************************************
7440-43-9	Cadmium	1.1	0.2	mg/kg dry	10	09/04/15	B5I0101	6020/200.8	
7440-47-3	Chromium	27	20	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	and the service is the service of th
7440-48-4	Cobalt	ND	5.0	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	
7440-50-8	Copper	62	10	mg/kg dry	100	09/04/15	·B5I0101	6020/200.8	
7439-89-6	Iron	14000	5.0	mg/kg dry	10	09/11/15	B5I0101	6010/200.7	A09
7439-92-1	Lead	350	1.0	mg/kg dry	10	09/04/15	B5I0101	6020/200.8	X3
7439-96-5	Manganese	230		mg/kg dry	100	09/04/15	B5I0101	6020/200.8	A04
7439-97-6	Mercury	0.3	0.06	mg/kg dry	1	09/10/15	B5I0902	7471/245.5	and the second s
7439-98-7	Molybdenum	ND	1.0	mg/kg dry	10	09/04/15	B510101	6020/200,8	
7440-02-0	Nickel	22	10	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	and the same of th
7782-49-2	Selenium	ND	2.0	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	
7440-22-4	Silver	0.6	0.1	mg/kg dry	10	09/04/15	B5I0101	6020/200.8	
7440-28-0	Thallium	ND	0.5	mg/kg dry	10	09/04/15	B510101	6020/200.8	
7440-62-2	Vanadium	19	10	mg/kg dry	100	09/04/15	B5I0101	6020/200.8	
govern Windowski vistorijavi		AND DESCRIPTION OF THE PROPERTY OF THE PARTY.	10	and recognizing engages, stop	en an armania si sa	09/04/15			vo
7440-66-6	Zinc	5400	10	mg/kg dry	100	U7/U4/13	B510101	6020/200.8	X3



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

Client ID: TRIP BLANK Lab ID: 1508223-15

		L	ab ID: 150	8223-15					
CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Vola	tiles								See note Y09
630-20-6	1,1,1,2-Tetrachloroethane	ND	50	ug/kg dry	50	08/28/15	B5H2803	8260	
71-55-6	1,1,1-Trichloroethane	ND	50	ug/kg dry	50	08/28/15	B5H2803	8260	1.7
79-34-5	1,1,2,2-Tetrachloroethane	ND	50	ug/kg dry	50	08/28/15	B5H2803	8260	
79-00-5	1,1,2-Trichloroethane	ND	50	ug/kg dry	50	08/28/15	B5H2803	8260	
75-34-3	1,1-Dichloroethane	ND	50	ug/kg dry	50	08/28/15	B5H2803	8260	
75-35-4	1,1-Dichloroethylene	ND	50	ug/kg dry	50	08/28/15	B5H2803	8260	
87-61-6	1,2,3-Trichlorobenzene	ND	250	ug/kg dry	50	08/28/15	B5H2803	8260	
96-18-4	1,2,3-Trichloropropane	ND	50	ug/kg dry	50	08/28/15	B5H2803	8260	
526-73-8	1,2,3-Trimethylbenzene	ND	50	ug/kg dry	50	08/28/15	B5H2803	8260	
120-82-1	1,2,4-Trichlorobenzene	ND	250	ug/kg dry	50	08/28/15	B5H2803	8260	
95-63-6	1,2,4-Trimethylbenzene	ND	50	ug/kg dry	50	08/28/15	B5H2803	8260	
96-12-8	1,2-Dibromo-3-chloropropane	ND	250	ug/kg dry	50	08/28/15	B5H2803	8260	
106-93-4	1,2-Dibromoethane	ND	50	ug/kg dry	50	08/28/15	B5H2803	8260	
95-50-1	1,2-Dichlorobenzene	ND	50	ug/kg dry	50	08/28/15	B5H2803	8260	
107-06-2	1,2-Dichloroethane	ND	50	ug/kg dry	50	08/28/15	·B5H2803	8260	
78-87-5	1,2-Dichloropropane	ND	50	ug/kg dry	50	08/28/15	B5H2803	8260	/ /- -v
108-67-8	1,3,5-Trimethylbenzene	ND	50	ug/kg dry	50	08/28/15	B5H2803	8260	
541-73-1	1,3-Dichlorobenzene	ND	50	ug/kg dry	50	08/28/15	B5H2803	8260	
106-46-7	1,4-Dichlorobenzene	ND -	50	ug/kg dry	50	08/28/15	B5H2803	8260	
78-93-3	2-Butanone (MEK)	ND	250	ug/kg dry	50	08/28/15	B5H2803	8260	
591-78-6	2-Hexanone	ND	250	ug/kg dry	50	08/28/15	B5H2803	8260	
91-57-6	2-Methylnaphthalene	ND	250	ug/kg dry	50	08/28/15	B5H2803	8260	X
67-64-1	2-Propanone (acetone)	ND	1000	ug/kg dry	50	08/28/15	B5H2803	8260	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	250	ug/kg dry	50	08/28/15	B5H2803	8260	
107-13-1	Acrylonitrile	ND	250	ug/kg dry	50	08/28/15	B5H2803	8260	
71-43-2	Benzene	ND	50	ug/kg dry	50	08/28/15	B5H2803	8260	
108-86-1	Bromobenzene	ND	50	ug/kg dry	50	08/28/15	B5H2803	8260	
74-97-5	Bromochloromethane	ND	50	ug/kg dry	50	08/28/15	B5H2803	8260	
75-27-4	Bromodichloromethane	ND	50	ug/kg dry	50	08/28/15	B5H2803	8260	
75-25-2	Bromoform	ND	50	ug/kg dry	50	08/28/15	B5H2803	8260	
74-83-9	Bromomethane	ИĎ	250	ug/kg dry	50	08/28/15	B5H2803	8260	
75-15-0	Carbon disulfide	ND	50	ug/kg dry	50	08/28/15	B5H2803	8260	
56-23-5	' Carbon tetrachloride	ND	50	ug/kg dry	50	08/28/15	B5H2803	8260	
108-90-7	Chlorobenzene	ND	50	ug/kg dry	50	08/28/15	B5H2803	8260	
75-00-3	Chloroethane	ND	250	ug/kg dry	50	08/28/15	B5H2803	8260	
67-66-3	Chloroform	∴ ND	. 50	ug/kg dry	50	08/28/15	B5H2803	8260	
74-87-3	Chloromethane	ND	250	ug/kg dry	50	08/28/15	B5H2803	8260	
156-59-2	cis-1,2-Dichloroethylene	ND	50	ug/kg dry	50	08/28/15	B5H2803	8260	
10061-01-5	cis-1,3-Dichloropropylene	ND	50	ug/kg dry	50	08/28/15	B5H2803	8260	
110-82-7	Cyclohexane	ND	250	ug/kg dry	50	08/28/15	B5H2803	8260	141117-4
124-48-1	Dibromochloromethane	ND	50	ug/kg dry	50	08/28/15	B5H2803	8260	1



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

Client ID: TRIP BLANK Lab ID: 1508223-15

75-71-8	CAS#	Analyte	; Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
The Note of the Note of the Note of the Note of Note	Organics-Vola	tiles	·							See note Y09
108-20-7 Diethyl ether ND 250 ug/kg dry 50 08/28/15 B5H2803 8260	74-95-3	Dibromomethane	ND	/50	ug/kg dry	50	08/28/15	B5H2803	8260	
108-20-3 Diisopropyl Ether ND 250 ug/kg dry 50 08/28/15 B5H2803 \$260	75-71-8	Dichlorodifluoromethane	ND	250	ug/kg dry	50	08/28/15	B5H2803	8260	and and the second the second second second second
100-41-4	60-29-7	Diethyl ether	ND	250	ug/kg dry	50	08/28/15	B5H2803	8260	
Second Content Seco	108-20-3	Diisopropyl Ether	ND	250	ug/kg dry	50	08/28/15	B5H2803	8260	
	100-41-4	Ethylbenzene	ND:	50	ug/kg dry	50	08/28/15	B5H2803	8260	
98-82-8 Isopropylbenzene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 1330-20-7 m & p. Xylene ND 100 ug/kg dry 50 08/28/15 B5H2803 8260 74-88-4 Methyl iodide ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 75-60-9-2 Methylene chloride ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 1634-04-4 Methyl tertiarybutylether ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 91-20-3 Naphthalene ND 250 ug/kg dry 50 08/28/15 B5H2803 8260 104-51-8 n-Butylbenzene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 103-65-1 n-Propylbenzene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 103-65-1 n-Propylbenzene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 135-98-8 see-Butylbenzene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 104-52 Styrene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 104-52 Styrene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 104-53 Styrene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 105-65-0 tertiary Butyl Alcohol ND 250 ug/kg dry 50 08/28/15 B5H2803 8260 107-65-0 tertiary Butyl Alcohol ND 250 ug/kg dry 50 08/28/15 B5H2803 8260 107-99-9 Tetrahydrofuran ND 250 ug/kg dry 50 08/28/15 B5H2803 8260 107-99-9 Tetrahydrofuran ND 250 ug/kg dry 50 08/28/15 B5H2803 8260 107-60-5 trans-1,2-Dichloroethylene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 107-60-5 trans-1,2-Dichloroethylene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 107-60-6 trans-1,3-Dichloroethylene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 107-76 trans-1,4-Dichloro-2-butene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 107-60-6 trans-1,4-Dichloro-2-butene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 107-60-76 trans-1,4-Dichloro-2-butene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 107-60-76 trans-1,4-Dichloro-2-butene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 107-60-76 trans-1,4-Dichloro-2-butene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 107-60-76 trans-1,4-Dichloro-2-butene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 107-60-76 trans-1,4-Dichloro-2-butene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 107-60-76 trans-1,4-Dichloro-2-butene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 107-60-76 trans-1,4-Dichloro-2-butene ND 50 ug/kg dry 50 08/28/15 B5H	637-92-3	Ethyltertiarybutylether	ND	250	ug/kg dry	50	08/28/15	B5H2803	8260	
1330-20-7 m & p - Xylene	67-72-1	Hexachloroethane	ND .	250	ug/kg dry	50	08/28/15	B5H2803	8260	
74-88-4 Methyl iodide ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 75-09-2 Methylene chloride ND 250 ug/kg dry 50 08/28/15 B5H2803 8260 1634-04-4 Methyltertiarybutylether ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 104-51-8 n-Butylbenzene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 103-65-1 n-Propylbenzene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 5-47-6 o-Xylene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 135-98-8 sec-Butylbenzene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 100-42-5 Styrene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 98-06-6 tert-Butylbenzene ND 50 ug/kg dry <td< td=""><td>98-82-8</td><td>Isopropylbenzene</td><td>ND</td><td>50</td><td>ug/kg dry</td><td>50</td><td>08/28/15</td><td>B5H2803</td><td>8260</td><td>terreta de la composição de la composição de la composição de la composição de la composição de la composição La composição de la composição d</td></td<>	98-82-8	Isopropylbenzene	ND	50	ug/kg dry	50	08/28/15	B5H2803	8260	terreta de la composição de la composição de la composição de la composição de la composição de la composição La composição de la composição d
1634-04-4 Methyltertiarybutylether ND 250 ug/kg dry 50 08/28/15 B5H2803 8260 1634-04-4 Methyltertiarybutylether ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 X 104-51-8 n-Butylbenzene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 X 104-51-8 n-Butylbenzene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 X 103-65-1 n-Propylbenzene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 103-65-1 n-Propylbenzene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 3-87-6 p-Isopropyl toluene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 3-87-6 p-Isopropyl toluene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 3-87-6 p-Isopropyl toluene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 3-87-6 p-Isopropyl toluene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 3-87-6 p-Isopropyl toluene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 3-87-6 tertiary butyl Alcohol ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 3-8-6-6 tertiary Butyl Alcohol ND 2500 ug/kg dry 50 08/28/15 B5H2803 8260 3-8-6-0 tertiary Butyl Alcohol ND 2500 ug/kg dry 50 08/28/15 B5H2803 8260 3-8-6-0 tertiary Butyl Alcohol ND 2500 ug/kg dry 50 08/28/15 B5H2803 8260 3-8-6-0 tertiary Butyl Alcohol ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 3-8-6-0 tertiary Butyl Alcohol ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 3-8-6-0 tertiary Butyl Alcohol ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 3-8-6-0 tertiary Butyl Alcohol ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 3-8-6-0 tertiary Butyl Alcohol ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 3-8-6-0 tertiary Butyl Alcohol ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 3-8-6-0 tertiary Butyl Alcohol ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 3-8-6-0 tertiary Butyl Alcohol ND	1330-20-7	m & p - Xylene	ND	. 100	ug/kg dry	- 50	08/28/15	B5H2803	8260	
1634-04-4 Methyltertiarybutylether ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 X 104-51-8 n-Butylbenzene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 X 103-65-1 n-Propylbenzene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 103-65-1 n-Propylbenzene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 103-65-1 n-Propylbenzene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 103-65-1 n-Propylbenzene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 103-65-1 n-Propylbenzene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 103-65-6 p-Isopropyl toluene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 103-98-8 sec-Butylbenzene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 100-42-5 Styrene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 100-42-5 Styrene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 100-42-5 tertiary Butyl Alcohol ND 2500 ug/kg dry 50 08/28/15 B5H2803 8260 103-66 tertiary Amylmethylether ND 250 ug/kg dry 50 08/28/15 B5H2803 8260 103-99-9 Tetrahloroethylene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 103-99-9 Tetrahloroethylene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 103-16-0-5 trans-1,2-Dichloroethylene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 100-61-0-6 trans-1,3-Dichloropropylene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 100-61-0-6 trans-1,4-Dichloro-2-butene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 100-61-0-6 trans-1,4-Dichloro-2-butene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 100-61-0-6 trans-1,4-Dichloro-2-butene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 100-61-0-6 trans-1,4-Dichloro-2-butene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 100-61-0-6 trans-1,4-Dichloro-2-butene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 100-61-0-6 trans-1,4-Dic	74-88-4	Methyl iodide	ND	50	ug/kg dry	50	08/28/15	B5H2803	8260	and the state of t
91 20 3	75-09-2	Methylene chloride	ND	250	ug/kg dry	50 .	08/28/15	B5H2803	8260	
104-51-8 n-Butylbenzene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 103-65-1 n-Propylbenzene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 5-47-6 o-Xylene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 3-87-6 p-Isopropyl toluene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 35-98-8 sec-Butylbenzene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 36-06-5 tertiary Butyl Alcohol ND 2500 ug/kg dry 50 08/28/15 B5H2803 8260 3-65-0 tertiary Butyl Alcohol ND 2500 ug/kg dry 50 08/28/15 B5H2803 8260 3-65-0 tertiary Amylmethylether ND 2500 ug/kg dry 50 08/28/15 B5H2803 8260 3-66-0 127-18-4 Tetrachloroethylene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 3-66-0 108-88-3 Toluene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 3-66-0 10061-02-6 trans-1,3-Dichloroethylene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 3-60-0 10061-02-6 trans-1,4-Dichloro-2-butene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 3-60-0 100-57-6 trans-1,4-Dichloro-2-butene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 3-60-0 100-57-6 trans-1,4-Dichloro-2-butene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 3-60-0 100-57-6 trans-1,4-Dichloro-2-butene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 3-60-0 100-57-6 trans-1,4-Dichloro-2-butene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 3-60-0 100-57-6 trans-1,4-Dichloro-2-butene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 3-60-0 100-57-6 trans-1,4-Dichloro-2-butene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 3-60-0 100-57-6 trans-1,4-Dichloro-2-butene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 3-60-0 100-57-6 trans-1,4-Dichloro-2-butene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 3-60-0 100-57-6 trans-1,4-Dichloro-2-butene ND 50 ug/kg dry 50 08/2	1634-04-4	Methyltertiarybutylether	ND	50	ug/kg dry	50	08/28/15	B5H2803	8260	\$0000000000000000000000000000000000000
103-65-1 In-Propylbenzene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 5-47-6 o-Xylene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 9-87-6 p-Isopropyl toluene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 315-98-8 sec-Butylbenzene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 100-42-5 Styrene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 98-06-6 tert-Butylbenzene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 994-05-6 tertiary Butyl Alcohol ND 2500 ug/kg dry 50 08/28/15 B5H2803 8260 994-05-8 tertiary-Amylmethylether ND 250 ug/kg dry 50 08/28/15 B5H2803 8260 109-99-9 Tetrahydrofuran ND 250 ug/kg dry 50 08/28/15 B5H2803 8260 109-99-9 Tetrahydrofuran ND 250 ug/kg dry 50 08/28/15 B5H2803 8260 108-88-3 Toluene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 106-60-5 trans-1,2-Dichloroethylene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 106-60-6 trans-1,3-Dichloropropylene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 100-57-6 trans-1,4-Dichloro-2-butene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 10-57-6 Trichloroethylene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 10-57-6 Trichloroethylene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 10-57-6 Trichloroethylene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 10-57-6 Trichloroethylene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 10-57-6 Trichloroethylene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 10-57-6 Trichloroethylene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 10-57-6 Trichloroethylene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 10-57-6 Trichloroethylene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 10-57-6 Trichloroethylene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 10-57-6 Trichloroet	91-20-3	Naphthalene	ND.	250	ug/kg dry	50	08/28/15	B5H2803	8260	X
5-47-6 o-Xylene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 3-87-6 p-Isopropyl toluene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 315-98-8 sec-Butylbenzene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 315-98-8 sec-Butylbenzene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 3100-42-5 Styrene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 38-66-6 tert-Butylbenzene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 32-65-0 tertiary Butyl Alcohol ND 2500 ug/kg dry 50 08/28/15 B5H2803 8260 394-05-8 tertiaryAmylmethylether ND 250 ug/kg dry 50 08/28/15 B5H2803 8260 312-18-4 Tetrachloroethylene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 32-60 109-99-9 Tetrahydrofuran ND 250 ug/kg dry 50 08/28/15 B5H2803 8260 32-60 108-88-3 Toluene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 32-60 1061-02-6 trans-1,2-Dichloroethylene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 32-60 10-57-6 trans-1,4-Dichloro-2-butene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 32-60 10-57-6 Trichloroethylene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 32-60 Trichloroethylene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 32-60 Trichloroethylene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 32-60 Trichloroethylene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 32-60 Trichloroethylene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 32-60 Trichloroethylene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 32-60 Trichloroethylene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 32-60 Trichloroethylene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 32-60 Trichloroethylene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 32-60 Trichloroethylene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 32-60	104-51-8	n-Butylbenzene	ND	50	ug/kg dry	50	08/28/15	B5H2803	8260	
9-87-6 p-Isopropyl toluene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 135-98-8 sec-Butylbenzene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 100-42-5 Styrene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 98-06-6 tert-Butylbenzene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 75-65-0 tertiary Butyl Alcohol ND 2500 ug/kg dry 50 08/28/15 B5H2803 8260 994-05-8 tertiary Amylmethylether ND 250 ug/kg dry 50 08/28/15 B5H2803 8260 122-18-4 Tetrachloroethylene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 109-99-9 Tetrahydrofuran ND 250 ug/kg dry 50 08/28/15 B5H2803 8260 108-88-3 Toluene ND 50 ug/kg dry	103-65-1	n-Propylbenzene	ND	50	ug/kg dry	50	08/28/15	B5H2803	8260	100
135-98-8 sec-Butylbenzene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 100 42-5 Styrene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 98-06-6 tert-Butylbenzene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 75-65-0 tertiary Butyl Alcohol ND 2500 ug/kg dry 50 08/28/15 B5H2803 8260 994-05-8 tertiary Amylmethylether ND 250 ug/kg dry 50 08/28/15 B5H2803 8260 127-18-4 Tetrachloroethylene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 109-99-9 Tetrahydrofuran ND 250 ug/kg dry 50 08/28/15 B5H2803 8260 108-88-3 Toluene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 110-60-5 trans-1,2-Dichloroethylene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 110-57-6 trans-1,3-Dichloropropylene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 110-57-6 trans-1,4-Dichloro-2-butene ND 250 ug/kg dry 50 08/28/15 B5H2803 8260 175-69-4 Trichloroethylene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 Trichloroethylene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 Surrogate: Bromofluorobenzene 79.1 % 40.3-194 08/28/15 B5H2803 8260 Surrogate: Dibromofluoromethane 83.7 % 52.1-217 08/28/15 B5H2803 8260 Surrogate: Dibromofluoromethane 83.7 % 52.1-217 08/28/15 B5H2803 8260 Surrogate: Dibromofluoromethane 83.7 % 52.1-217 08/28/15 B5H2803 8260	∖5-47-6	o-Xylene	ND	50	ug/kg dry	50	08/28/15	B5H2803	8260	
100-42-5 Styrene	. 9-87-6	p-Isopropyl toluene	, NĎ	50	ug/kg dry	50	08/28/15	B5H2803	8260	
98-06-6 tert-Butylbenzene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 75-65-0 tertiary Butyl Alcohol ND 2500 ug/kg dry 50 08/28/15 B5H2803 8260 994-05-8 tertiary Amylmethylether ND 250 ug/kg dry 50 08/28/15 B5H2803 8260 127-18-4 Tetrachloroethylene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 109-99-9 Tetrahydrofuran ND 250 ug/kg dry 50 08/28/15 B5H2803 8260 108-88-3 Toluene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 156-60-5 trans-1,2-Dichloroethylene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 110061-02-6 trans-1,3-Dichloropropylene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 110-57-6 trans-1,4-Dichloro-2-butene ND 250 ug/kg dry 50 08/28/15 B5H2803 8260 79-01-6 Trichloroethylene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 75-69-4 Trichlorofluoromethane ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 75-01-4 Vinyl chloride ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 Surrogate: Bromofluoromethane ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 Surrogate: Bromofluoromethane ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 Surrogate: Bromofluoromethane ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 Surrogate: Bromofluoromethane ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 Surrogate: Bromofluoromethane ND 50 ug/kg dry 50 08/28/15 B5H2803 8260	135-98-8	sec-Butylbenzene	ND	50	ug/kg dry	50	08/28/15	B5H2803	8260	and alternatives to be about the position of the property of the second
75-65-0 tertiary Butyl Alcohol ND 2500 ug/kg dry 50 08/28/15 B5H2803 8260 994-05-8 tertiary Amylmethylether ND 250 ug/kg dry 50 08/28/15 B5H2803 8260 127-18-4 Tetrachloroethylene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 109-99-9 Tetrahydrofuran ND 250 ug/kg dry 50 08/28/15 B5H2803 8260 108-88-3 Toluene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 156-60-5 trans-1,2-Dichloroethylene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 10061-02-6 trans-1,3-Dichloropropylene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 110-57-6 trans-1,4-Dichloro-2-butene ND 250 ug/kg dry 50 08/28/15 B5H2803 8260 79-01-6 Trichloroethylene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 75-69-4 Trichlorofluoromethane ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 75-01-4 Vinyl chloride ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 Surrogate: Bromofluorobenzene 79.1 % 40.3-194 08/28/15 B5H2803 8260 Surrogate: Bromofluoromethane 83.7 % 52.1-217 08/28/15 B5H2803 8260	100-42-5	Styrene	ND	50	ug/kg dry	50	.08/28/15	B5H2803	8260	
994-05-8 tertiaryAmylmethylether ND 250 ug/kg dry 50 08/28/15 B5H2803 8260 127-18-4 Tetrachloroethylene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 109-99-9 Tetrahydrofuran ND 250 ug/kg dry 50 08/28/15 B5H2803 8260 108-88-3 Toluene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 156-60-5 trans-1,2-Dichloroethylene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 110-57-6 trans-1,3-Dichloropropylene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 79-01-6 Trichloroethylene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 75-01-4 Vinyl chloride ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 Surrogate: Bromofluorobenzene 79.1% 40.3-194	98-06-6	tert-Butylbenzene	ND	50	ug/kg dry	50	08/28/15	B5H2803	8260	
127-18-4 Tetrachloroethylene	75-65-0	tertiary Butyl Alcohol	'ND	2500	ug/kg dry	50	08/28/15	B5H2803	8260	
109-99-9 Tetrahydrofuran ND 250 ug/kg dry 50 08/28/15 B5H2803 8260 108-88-3 Toluene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 156-60-5 trans-1,2-Dichloroethylene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 10061-02-6 trans-1,3-Dichloropropylene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 110-57-6 trans-1,4-Dichloro-2-butene ND 250 ug/kg dry 50 08/28/15 B5H2803 8260 79-01-6 Trichloroethylene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 75-69-4 Trichlorofluoromethane ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 75-01-4 Vinyl chloride ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 Surrogate: Bromofluorobenzene 79.1 % 40.3-194 <td>994-05-8</td> <td>tertiaryAmylmethylether</td> <td>ND</td> <td>250</td> <td>ug/kg dry</td> <td>50</td> <td>08/28/15</td> <td>B5H2803</td> <td>8260</td> <td></td>	994-05-8	tertiaryAmylmethylether	ND	250	ug/kg dry	50	08/28/15	B5H2803	8260	
108-88-3 Toluene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 156-60-5 trans-1,2-Dichloroethylene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 10061-02-6 trans-1,3-Dichloropropylene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 110-57-6 trans-1,4-Dichloro-2-butene ND 250 ug/kg dry 50 08/28/15 B5H2803 8260 79-01-6 Trichloroethylene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 75-69-4 Trichlorofluoromethane ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 75-01-4 Vinyl chloride ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 Surrogate: Bromofluorobenzene 79.1 % 40.3-194 08/28/15 B5H2803 8260 Surrogate: Dibromofluoromethane 83.7 % 52.1-217 08/28/15 B5H2803<	127-18-4	Tetrachloroethylene	ND	50	ug/kg dry	50	08/28/15	B5H2803	8260	
156-60-5 trans-1,2-Dichloroethylene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 10061-02-6 trans-1,3-Dichloropropylene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 110-57-6 trans-1,4-Dichloro-2-butene ND 250 ug/kg dry 50 08/28/15 B5H2803 8260 79-01-6 Trichloroethylene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 75-69-4 Trichlorofluoromethane ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 75-01-4 Vinyl chloride ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 Surrogate: Bromofluorobenzene 79.1 % 40.3-194 08/28/15 B5H2803 8260 Surrogate: Dibromofluoromethane 83.7 % 52.1-217 08/28/15 B5H2803 8260	109-99-9	Tetrahydrofuran	ND	250	ug/kg dry	50	08/28/15	B5H2803	8260	and the same and the same of t
10061-02-6 trans-1,3-Dichloropropylene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 110-57-6 trans-1,4-Dichloro-2-butene ND 250 ug/kg dry 50 08/28/15 B5H2803 8260 79-01-6 Trichloroethylene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 75-69-4 Trichlorofluoromethane ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 75-01-4 Vinyl chloride ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 Surrogate: Bromofluorobenzene 79.1 % 40.3-194 08/28/15 B5H2803 8260 Surrogate: Dibromofluoromethane 83.7 % 52.1-217 08/28/15 B5H2803 8260	108-88-3	Toluene	ND	50	ug/kg dry	50	08/28/15	B5H2803	8260	
110-57-6 trans-1,4-Dichloro-2-butene ND 250 ug/kg dry 50 08/28/15 B5H2803 8260 79-01-6 Trichloroethylene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 75-69-4 Trichlorofluoromethane ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 75-01-4 Vinyl chloride ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 Surrogate: Bromofluorobenzene 79.1 % 40.3-194 08/28/15 B5H2803 8260 Surrogate: Dibromofluoromethane 83.7 % 52.1-217 08/28/15 B5H2803 8260	156-60-5	trans-1,2-Dichloroethylene	ND	50	ug/kg dry	50	08/28/15	B5H2803	8260	er geralde in der Stan Kalanda Saladis
79-01-6 Trichloroethylene ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 75-69-4 Trichlorofluoromethane ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 75-01-4 Vinyl chloride ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 Surrogate: Bromofluorobenzene 79.1 % 40.3-194 08/28/15 B5H2803 8260 Surrogate: Dibromofluoromethane 83.7 % 52.1-217 08/28/15 B5H2803 8260	10061-02-6	trans-1,3-Dichloropropylene	: ND	. 50:	ug/kg dry	50	08/28/15	B5H2803	8260	
75-69-4 Trichlorofluoromethane ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 75-01-4 Vinyl chloride ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 Surrogate: Bromofluorobenzene 79.1 % 40.3-194 08/28/15 B5H2803 8260 Surrogate: Dibromofluoromethane 83.7 % 52.1-217 08/28/15 B5H2803 8260	110-57-6	trans-1,4-Dichloro-2-butene	ND	250	ug/kg dry	50	08/28/15	B5H2803	8260	area a magailleann de shìomhlaigheann ann an 1960 ann a shìomhlaidh
75-01-4 Vinyl chloride ND 50 ug/kg dry 50 08/28/15 B5H2803 8260 Surrogate: Bromofluorobenzene 79.1 % 40.3-194 08/28/15 B5H2803 8260 Surrogate: Dibromofluoromethane 83.7 % 52.1-217 08/28/15 B5H2803 8260	79-01-6	Trichloroethylene	ND	50	ug/kg dry	50	08/28/15	B5H2803	8260	
Surrogate: Bromofluorobenzene 79.1 % 40.3-194 08/28/15 B5H2803 8260 Surrogate: Dibromofluoromethane 83.7 % 52.1-217 08/28/15 B5H2803 8260	75-69-4	Trichlorofluoromethane	ND	50	ug/kg dry	50	08/28/15	B5H2803	8260	
Surrogate: Dibromofluoromethane 83.7 % 52.1-217 08/28/15 B5H2803 8260	75-01-4	Vinyl chloride	ND	. 50	ug/kg dry	-50	08/28/15	B5H2803	8260	
	Surrogate: Bromofl	uorobenzene		79.1 %	40.3-194	4	08/28/15	B5H2803	8260	ام نے۔۔۔
Surrogate: Toluene-d8 82.8 % 55.4-196 08/28/15 B5H2803 8260	Surrogate: Dibrom	ofluoromethane		83.7 %	52.1-21	7	08/28/15	B5H2803	8260	
	Surrogate: Toluene	-d8	tin yanti sanzi katalan da san	82.8 %	55.4-190	5	08/28/15	B5H2803	8260	



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9

Client ID: TRIP BLANK Lab ID: 1508223-15

CAS#	Analyte	Result	RL Units	Dilution	Analyzed . Date	QC Batch	Method	Qualifier
Inorganics-	General Chemistry				-			
TC	% Total Solids	100	0.1 %	1	08/27/15	B5H2709	2540 B	



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Analyzed	Qualifier
· · · · · · · · · · · · · · · · · · ·							Linus	NI D	- Dillit	Allalyzeu	Quairrier
Batch B5H2705 - Method: 5	5035			Prepare	d: 08/27/20	712					
Blank (B5H2705-BLK1)		_									
1,1,1,2-Tetrachloroethane	ND	50	ug/kg wet							08/27/2015	
,1,1-Trichloroethane	ND	50	ug/kg wet							08/27/2015	
,1,2,2-Tetrachloroethane	ND	50	ug/kg wet							08/27/2015	
,1,2-Trichloroethane	ND	. 50	ug/kg wet							08/27/2015	
,1-Dichloroethane	ND	50	ug/kg wet							08/27/2015	
J-Dichloroethylene	ND	50	ug/kg wet							08/27/2015	
2,3-Trichlorobenzene	ND	250	ug/kg wet							08/27/2015	
2,3-Trichloropropane	ND	50	ug/kg wet							08/27/2015	
2,3-Trimethylbenzene	ND	50	ug/kg wet							08/27/2015	
2,4-Trichlorobenzene	ND ND	250	ug/kg wet							08/27/2015	
2,4-Trimethylbenzene	ND ND	50	ug/kg wet							08/27/2015 08/27/2015	
2-Dibromo-3-chloropropane ,2-Dibromoethane	ND ND	250 50	ug/kg wet ug/kg wet	-				2. 12.		08/27/2015	*
,2-Dioromoetnane ,2-Dichlorobenzene	ND ND	50	ug/kg wet							08/27/2015	
,2-Dichloroethane	ND	50	ug/kg wet					······································		08/27/2015	
2-Dichloropropane	ND ND	50	ug/kg wet							08/27/2015	
,3,5-Trimethylbenzene	ND	50	ug/kg wet							08/27/2015	
3-Dichlorobenzene	ND	50	ug/kg wet			1				08/27/2015	
4-Dichlorobenzene	ND	50	ug/kg wet							08/27/2015	
Butanone (MEK)	ND	250	ug/kg wet							08/27/2015	
-Hexanone	ND	250	ug/kg wet							08/27/2015	
-Methylnaphthalene	ND	250	ug/kg wet							08/27/2015	Х
-Propanone (acetone)	ND	1000	_ug/kg wet							08/27/2015	
-Methyl-2-pentanone (MIBK)	ND	250								08/27/2015	
crylonitrile	ND	250	ug/kg wet							08/27/2015	
enzene	ND	50	ug/kg wet							08/27/2015	
romobenzene	ND	50	ug/kg wet			***********				08/27/2015	
romochloromethane	ND	50	ug/kg wet							08/27/2015	
Bromodichloromethane	ND	50	ug/kg wet					-		08/27/2015	**************************************
romoform	ND	50	ug/kg wet							08/27/2015	
Bromomethane	ND	250	ug/kg wet							08/27/2015	
arbon disulfide	ND	50	ug/kg wet							08/27/2015	
Carbon tetrachloride	ND	50	ug/kg wet							08/27/2015	
Chlorobenzene	ND	50	ug/kg wet							08/27/2015	
Chloroethane	ND	250	ug/kg wet							08/27/2015	
Chloroform	ND	50	ug/kg wet							08/27/2015	
Chloromethane	ND	250	ug/kg wet							08/27/2015	
is-1,2-Dichloroethylene	ND	50	ug/kg wet							08/27/2015	
is-1,3-Dichloropropylene	ND	50	ug/kg wet							08/27/2015	
yclohexane	ND ND	250	ug/kg wet							08/27/2015	
ibromochloromethane	ND	50	ug/kg wet							08/27/2015	
	ND	50	ug/kg wet							08/27/2015	
oichlorodifluoromethane	ND	250	ug/kg wet							08/27/2015	
ethyl ether	ND	250	ug/kg wet							08/27/2015	
Diisopropyl Ether	ND	250	ug/kg wet		-					08/27/2015	
thylbenzene	ND	50	ug/kg wet							08/27/2015	
thyltertiarybutylether	· ND ·	250	ug/kg wet							08/27/2015	
exachloroethane 3	ND	250	ug/kg wet							08/27/2015	



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Analyzed	Qualifier
		100	Oints				Limis	KFD	Limit	Allalyzeu	Qualifier
Batch B5H2705 - Method: 5	035			Prepare	ed: 08/27/20	15					
lank (B5H2705-BLK1)								•			
sopropylbenzene	ND	50	ug/kg wet							08/27/2015	
n & p - Xylene	ND	100	ug/kg wet							08/27/2015	
fethyl iodide	ND	50	ug/kg wet						out the Miller of Section Constitution of the	08/27/2015	
lethylene chloride	ND	250	ug/kg wet							08/27/2015	
[ethyltertiarybutylether	ND	50	ug/kg wet	******************	~~~					08/27/2015	
aphthalene	ND	250	ug/kg wet							08/27/2015	
Butylbenzene	ND	50	ug/kg wet							08/27/2015	
Propylbenzene	ND	50	ug/kg wet							08/27/2015	
Xylene	ND	50	ug/kg wet							08/27/2015	
Isopropyl toluene	ND	50	ug/kg wet							08/27/2015	
c-Butylbenzene	ND	50	ug/kg wet							08/27/2015	
yrene	ND	50	ug/kg wet							08/27/2015	-
rt-Butylbenzene	ND	50	ug/kg wet	······································	-				*******	08/27/2015	
rtiary Butyl Alcohol	. ND	2500	ug/kg wet							08/27/2015	
rtiaryAmylmethylether	ND	250	ug/kg wet			•				08/27/2015	
etrachloroethylene	ND	50	ug/kg wet							08/27/2015	
etrahydrofuran	ND	250	ug/kg wet							08/27/2015	
oluene	ND	50	ug/kg wet							08/27/2015	
ans-1,2-Dichloroethylene	ND	50	ug/kg wet						****	08/27/2015	·
ans-1,3-Dichloropropylene	ND	50	ug/kg wet							08/27/2015	<u>.</u>
ans-1,4-Dichloro-2-butene	ND	250	ug/kg wet							08/27/2015	
richloroethylene	ND	50	ug/kg wet							08/27/2015	
richlorofluoromethane	ND	50	ug/kg wet		***************************************					08/27/2015	
înyl chloride	ND	50	ug/kg wet							08/27/2015	
urrogate: Bromofluorobenzene	50.6			50.00		101	40.3-194				
			ug/L			~~~~~~				08/27/2015	
urrogate: Dibromofluaromethane	51.4		ug/L	50.00		103	52.1-217			08/27/2015	
urrogate: Toluene-d8	50.4		ug/L	50.00		101	55.4-196			08/27/2015	
CS (B5H2705-BS1)											
1,1,2-Tetrachloroethane	2750	50	ug/kg wet	2500		110	70-130			08/27/2015	
	2760	:50	ug/kg wet	2500		110	70-130			08/27/2015	
1,1-Trichloroethane	***************************************									08/27/2015	
	3000	50	ug/kg wet	2500		120	70-130				
1,2,2-Tetrachloroethane	3000	50 50	ug/kg wet ug/kg wet	2500 2500		120 106	70-130 70-130			08/27/2015	
1,2,2-Tetrachloroethane 1,2-Trichloroethane	3000			Construction of the Constr	***************************************					08/27/2015 08/27/2015	_
1,2,2-Tetrachloroethane 1,2-Trichloroethane 1-Dichloroethane	3000 2640	50	ug/kg wet	2500		106	70-130			and the second s	-
1,2,2-Tetrachloroethane 1,2-Trichloroethane 1-Dichloroethane 1-Dichloroethylene	3000 2640 2770	50 50	ug/kg wet ug/kg wet ug/kg wet	2500 2500		106 111	70-130 70-130			08/27/2015	
1,2,2-Tetrachloroethane 1,2-Trichloroethane 1-Dichloroethylene 2,3-Trichlorobenzene	3000 2640 2770 2550 2510	50 50 50	ug/kg wet ug/kg wet	2500 2500 2500		106 111 102 100	70-130 70-130 70-130			08/27/2015 08/27/2015	
1,2,2-Tetrachloroethane 1,2-Trichloroethane 1-Dichloroethane 1-Dichloroethylene 2,3-Trichlorobenzene 2,3-Trichloropropane	3000 2640 2770 2550 2510	50 50 50 250	ug/kg wet ug/kg wet ug/kg wet ug/kg wet ug/kg wet	2500 2500 2500 2500 2500		106 111 102 100	70-130 70-130 70-130 70-130			08/27/2015 08/27/2015 08/27/2015	
1,2,2-Tetrachloroethane 1,2-Trichloroethane 1-Dichloroethylene 2,3-Trichlorobenzene 2,3-Trichloropropane 2,3-Trimethylbenzene	3000 2640 2770 2550 2510 2690 2620	50 50 50 250 50	ug/kg wet ug/kg wet ug/kg wet ug/kg wet ug/kg wet ug/kg wet ug/kg wet	2500 2500 2500 2500 2500 2500 2500		106 111 102 100 108	70-130 70-130 70-130 70-130 70-130			08/27/2015 08/27/2015 08/27/2015 08/27/2015 08/27/2015	
1,2,2-Tetrachloroethane 1,2-Trichloroethane 1-Dichloroethylene 2,3-Trichlorobenzene 2,3-Trichloropropane 2,3-Trimethylbenzene 2,4-Trichlorobenzene	3000 2640 2770 2550 2510 2690 2620 2490	50 50 50 250 50 50 50 250	ug/kg wet ug/kg wet ug/kg wet ug/kg wet ug/kg wet ug/kg wet ug/kg wet	2500 2500 2500 2500 2500 2500 2500		106 111 102 100 108 105 99.8	70-130 70-130 70-130 70-130 70-130 70-130 70-130			08/27/2015 08/27/2015 08/27/2015 08/27/2015 08/27/2015 08/27/2015	
1,2,2-Tetrachloroethane 1,2-Trichloroethane 1-Dichloroethylene 2,3-Trichlorobenzene 2,3-Trichloropropane 2,3-Trimethylbenzene 2,4-Trimethylbenzene 2,4-Trimethylbenzene	3000 2640 2770 2550 2510 2690 2620 2490 2750	50 50 50 250 50 50 50 250 50	ug/kg wet ug/kg wet ug/kg wet ug/kg wet ug/kg wet ug/kg wet ug/kg wet ug/kg wet ug/kg wet	2500 2500 2500 2500 2500 2500 2500 2500		106 111 102 100 108 105 99.8 110	70-130 70-130 70-130 70-130 70-130 70-130 70-130 70-130			08/27/2015 08/27/2015 08/27/2015 08/27/2015 08/27/2015 08/27/2015 08/27/2015	
1,2,2-Tetrachloroethane 1,2-Trichloroethane 1,1-Dichloroethylene 1,1-Dichloroethylene 2,3-Trichlorobenzene 2,3-Trichloropropane 2,3-Trimethylbenzene 2,4-Trichlorobenzene 2,4-Trimethylbenzene 2,4-Trimethylbenzene	3000 2640 2770 2550 2510 2690 2620 2490 2750 2760	50 50 50 250 50 50 250 50 250 50	ug/kg wet ug/kg wet ug/kg wet ug/kg wet ug/kg wet ug/kg wet ug/kg wet ug/kg wet ug/kg wet ug/kg wet	2500 2500 2500 2500 2500 2500 2500 2500		106 111 102 100 108 105 99.8 110	70-130 70-130 70-130 70-130 70-130 70-130 70-130 70-130 70-130			08/27/2015 08/27/2015 08/27/2015 08/27/2015 08/27/2015 08/27/2015 08/27/2015 08/27/2015	
1,2,2-Tetrachloroethane 1,2-Trichloroethane 1,-Dichloroethylene 2,3-Trichlorobenzene 2,3-Trichloropropane 2,3-Trichloropropane 2,4-Trichlorobenzene 2,4-Trimethylbenzene 2,4-Trimethylbenzene 2,Dibromo-3-chloropropane 2-Dibromo-3-chloropropane	3000 2640 2770 2550 2510 2690 2620 2490 2750 2760 2740	50 50 50 250 50 50 50 250 50 50	ug/kg wet ug/kg wet ug/kg wet ug/kg wet ug/kg wet ug/kg wet ug/kg wet ug/kg wet ug/kg wet ug/kg wet ug/kg wet ug/kg wet	2500 2500 2500 2500 2500 2500 2500 2500		106 111 102 100 108 105 99.8 110 110	70-130 70-130 70-130 70-130 70-130 70-130 70-130 70-130 70-130 70-130			08/27/2015 08/27/2015 08/27/2015 08/27/2015 08/27/2015 08/27/2015 08/27/2015 08/27/2015 08/27/2015 08/27/2015	
1,2,2-Tetrachloroethane 1,2-Trichloroethane 1,1-Dichloroethylene 1,2,3-Trichlorobenzene 2,3-Trichloropropane 2,3-Trichlorobenzene 2,4-Trichlorobenzene 2,4-Trichlorobenzene 2,0-Dibromo-3-chloropropane 2-Dibromoethane 2-Dichlorobenzene	3000 2640 2770 2550 2510 2690 2690 2490 2750 2760 2740 2680	50 50 50 250 50 50 50 250 50 250 50 50 50 50 50 50 50 50 50	ug/kg wet ug/kg wet ug/kg wet ug/kg wet ug/kg wet ug/kg wet ug/kg wet ug/kg wet ug/kg wet ug/kg wet ug/kg wet ug/kg wet ug/kg wet	2500 2500 2500 2500 2500 2500 2500 2500		106 111 102 100 108 105 99.8 110 110 110	70-130 70-130 70-130 70-130 70-130 70-130 70-130 70-130 70-130 70-130 70-130			08/27/2015 08/27/2015 08/27/2015 08/27/2015 08/27/2015 08/27/2015 08/27/2015 08/27/2015 08/27/2015 08/27/2015	
1,2,2-Tetrachloroethane 1,2-Trichloroethane 1-Dichloroethane 1-Dichloroethylene 2,3-Trichlorobenzene 2,3-Trichloropropane 2,3-Trimethylbenzene 2,4-Trimethylbenzene 2,4-Trimethylbenzene 2-Dibromo-3-chloropropane 2-Dibromoethane 2-Dichlorobenzene 2-Dichlorobenzene 2-Dichlorobenzene	3000 2640 2770 2550 2510 2690 2690 2490 2750 2760 2740 2680 2770	50 50 50 250 50 50 50 250 50 250 50 50	ug/kg wet ug/kg wet ug/kg wet ug/kg wet ug/kg wet ug/kg wet ug/kg wet ug/kg wet ug/kg wet ug/kg wet ug/kg wet ug/kg wet ug/kg wet ug/kg wet	2500 2500 2500 2500 2500 2500 2500 2500 2500 2500 2500 2500 2500 2500		106 111 102 100 108 105 99.8 110 110 110 110	70-130 70-130 70-130 70-130 70-130 70-130 70-130 70-130 70-130 70-130 70-130			08/27/2015 08/27/2015 08/27/2015 08/27/2015 08/27/2015 08/27/2015 08/27/2015 08/27/2015 08/27/2015 08/27/2015 08/27/2015	
1,2,2-Tetrachloroethane 1,2-Trichloroethane 1-Dichloroethane 1-Dichloroethylene 2,3-Trichlorobenzene 2,3-Trichloropropane 2,3-Trimethylbenzene 2,4-Trimethylbenzene 2,4-Trimethylbenzene 2-Dibromo-3-chloropropane 2-Dibromoethane 2-Dichlorobenzene 2-Dichlorobenzene 2-Dichlorobenzene	3000 2640 2770 2550 2510 2690 2620 2490 2750 2760 2740 2680 2770 2690	50 50 50 250 50 50 250 50 250 50 50 50 50	ug/kg wet ug/kg wet ug/kg wet ug/kg wet ug/kg wet ug/kg wet ug/kg wet ug/kg wet ug/kg wet ug/kg wet ug/kg wet ug/kg wet ug/kg wet ug/kg wet ug/kg wet ug/kg wet	2500 2500 2500 2500 2500 2500 2500 2500 2500 2500 2500 2500 2500 2500 2500		106 111 102 100 108 105 99.8 110 110 110 107 111	70-130 70-130 70-130 70-130 70-130 70-130 70-130 70-130 70-130 70-130 70-130 70-130			08/27/2015 08/27/2015 08/27/2015 08/27/2015 08/27/2015 08/27/2015 08/27/2015 08/27/2015 08/27/2015 08/27/2015 08/27/2015 08/27/2015	
1,2,2-Tetrachloroethane 1,2-Trichloroethane 1-Dichloroethlane 1-Dichloroethlylene 2,3-Trichlorobenzene 2,3-Trichloropropane 2,3-Trichlorobenzene 2,4-Trichlorobenzene 2,4-Trimethylbenzene 2,4-Trimethylbenzene 2-Dibtomo-3-chloropropane 2-Dibromoethane	3000 2640 2770 2550 2510 2690 2690 2770 2760 2740 2680 2770 2690 2710	50 50 50 250 50 50 50 250 50 250 50 50	ug/kg wet ug/kg wet ug/kg wet ug/kg wet ug/kg wet ug/kg wet ug/kg wet ug/kg wet ug/kg wet ug/kg wet ug/kg wet ug/kg wet ug/kg wet ug/kg wet	2500 2500 2500 2500 2500 2500 2500 2500 2500 2500 2500 2500 2500 2500		106 111 102 100 108 105 99.8 110 110 110 110	70-130 70-130 70-130 70-130 70-130 70-130 70-130 70-130 70-130 70-130 70-130			08/27/2015 08/27/2015 08/27/2015 08/27/2015 08/27/2015 08/27/2015 08/27/2015 08/27/2015 08/27/2015 08/27/2015 08/27/2015	



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Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC	חמם	RPD	A == 0.1==== -1	0115
		- 	Onis				Limits	RPD	Limit	Analyzed	Qualifier
Batch B5H2705 - Method: 5	5035			Prepare	ed: 08/27/20	15				,	
LCS (B5H2705-BS1)											•
2-Butanone (MEK)	4320	250	ug/kg wet	2500		173	70-130			08/27/2015	A06, A0
2-Hexanone	3980	250	ug/kg wet	2500		159	70-130			08/27/2015	A06, A
2-Methylnaphthalene	2400	250	ug/kg wet	2500		96.1	70-130			08/27/2015	
2-Propanone (acetone)	5430	1000	ug/kg wet	2500		217	70-130			08/27/2015	A06, A09 A
l-Methyl-2-pentanone (MIBK)	2730	250	ug/kg wet	2500		109	70-130	,		08/27/2015	
Acrylonitrile	2600	250	ug/kg wet	2500		104	70-130			08/27/2015	
Зеплепе	2670	50	ug/kg wet	2500		107	70-130			08/27/2015	
romobenzene	2660	50	ug/kg wet	2500		107	- 70-130			08/27/2015	
romochloromethane	2660	50	ug/kg wet	2500		106	70-130		***************************************	08/27/2015	
Bromodichloromethane	2910	50	ug/kg wet	2500		116	70-130			08/27/2015	
romoform	2700	50	ug/kg wet	2500		108	70-130			08/27/2015	
romomethane	2890	250	ug/kg wet	2500		116	70-130			08/27/2015	
Carbon disulfide	2870	50	ug/kg wet	2500	•	115	70-130			08/27/2015	······································
arbon tetrachloride	2550	50	ug/kg wet	2500		102	70-130			08/27/2015	
Chlorobenzene	2630	50	ug/kg wet	2500		105	70-130		andre and a second	08/27/2015	
hloroethane	3000	250	ug/kg wet	2500		120	70-130			08/27/2015	
uloroform	2830	50	ug/kg wet	2500		113	70-130			08/27/2015	
loromethane	2580	250	ug/kg wet	2500		103	70-130			08/27/2015	
is-1,2-Dichloroethylene	2780	50	ug/kg wet	2500	······································	111	70-130			08/27/2015	
is-1,3-Dichloropropylene	2750	50	ug/kg wet	2500		110	70-130			08/27/2015	-
yclohexane	2540	250	ug/kg wet	2500	····	102	70-130			08/27/2015	
Dibromochloromethane	2820	50	ug/kg wet	2500		-113	70-130			08/27/2015	
libromomethane	2560	50	ug/kg wet	2500		103	70-130			08/27/2015	
ichlorodifluoromethane	2600	250	ug/kg wet	2500		104	70-130			08/27/2015	
iethyl ether	2800	250	ug/kg wet	2500		112	70-130			08/27/2015	
iisopropyl Ether	2750	250	······	2500		110	70-130			08/27/2015	
thylbenzene	2690	50	ug/kg wet	2500	. ,	108	70-130			08/27/2015	
thyltertiarybutylether	2660	250	ug/kg wet			106	70-130			08/27/2015	
[exachloroethane	2750	250	ug/kg wet	2500		110	70-130	······································		08/27/2015	
opropylbenzene	2720	50	ug/kg wet			109	70-130			08/27/2015	
n & p - Xylene	5400	100	ug/kg wet	5000		108	70-130			08/27/2015	
fethyl iodide	2600	50	ug/kg wet	2500		104	70-130			08/27/2015	
fethylene chloride	2830	250	ug/kg wet	2500		113	70-130			08/27/2015	
lethyltertiarybutylether	2740	50	ug/kg wet	2500		110	70-130			08/27/2015	
laphthalene	2640	250	ug/kg wet	2500		106	70-130			08/27/2015	
Butylbenzene Propylbenzene	2670	50 50	ug/kg wet ug/kg wet	2500		107	70-130			08/27/2015	
-Propytoenzene -Xylene	2790	50		2500		112	70-130			08/27/2015	
and annother the first of the best of the second of the se	2670	-50 -50	ug/kg wet	2500		107	70-130			08/27/2015	
Isopropyl toluene	2650	50	ug/kg wet	2500		106	70-130			08/27/2015	
c-Butylbenzene	2660	50	ug/kg wet	2500		and the second s	70-130			08/27/2015	
yrene	2750	50	ug/kg wet	2500		110	70-130	rak, weren		08/27/2015	
rt-Butylbenzene	2640	50	ug/kg wet	2500		106	70-130			08/27/2015	and a second second second
rtiary Butyl Alcohol	12800	2500	ug/kg wet	12500		102	70-130			08/27/2015	
rtiaryAmyImethylether	2600	250	ug/kg wet	2500		104	70-130		<u> </u>	08/27/2015	
etrachloroethylene	2570	50	ug/kg wet	2500		103	70-130			08/27/2015	,
trahydrofuran	2640	250	ug/kg wet	2500		105	70-130			08/27/2015	
luene	2640	50	ug/kg wet	2500		105	70-130			08/27/2015	



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				Spike	Source		%REC		RPD		
Analyte	Result	RL	Units	Level	Result	%REC	Limits	RPD	Limit	Analyzed	Qualifier
Batch B5H2705 - Method: 5035				Prepare	ed: 08/27/20	15					
CS (B5H2705-BS1)											
ans-1,2-Dichloroethylene	2750	50	ug/kg wet	2500		110	70-130			08/27/2015	
ans-1,3-Dichloropropylene	2560	50	ug/kg-wet	2500 +		102	70-130			08/27/2015	
ans-1,4-Dichloro-2-butene	2630	250	ug/kg wet	2500		105	70-130			08/27/2015	
richloroethylene	2520	50	ug/kg wet	2500		101	70-130			08/27/2015	
ichlorofluoromethane	2690	50	ug/kg wet	2500		107	70-130			08/27/2015	
nyl chloride	2600	50	ug/kg wet	2500		104	70-130			08/27/2015	
rrogate: Bromofluorobenzene	49.9		ug/L	50.00		99.8	40.3-194		-	08/27/2015	
arrogate: Dibromofluoromethane	51.5		ug/L	50.00		103	52.1-217			08/27/2015	
rrogate: Toluene-d8	51.2		ug/L	50.00		102	55.4-196			08/27/2015	
(atrix Spike (B5H2705-MS1)	Source	: 150821	4-03					•			
1,1,2-Tetrachloroethane	2960	57	ug/kg dry	2858	ND	104	70-130			08/27/2015	
1,1-Trichloroethane	3060	57	ug/kg dry	2858	ND	107	70-130			08/27/2015	
1,2,2-Tetrachloroethane	3080	57	ug/kg dry	2858	ND	108	70-130			08/27/2015	
1,2-Trichloroethane	2870	57	ug/kg dry	2858	ND	101	70-130			08/27/2015	
1-Dichloroethane	3020	57	ug/kg dry	2858	ND	106	70-130			08/27/2015	
1-Dichloroethylene	2760	57	ug/kg dry	2858	ND	96.5	70-130			08/27/2015	
2,3-Trichlorobenzene	2700	290	ug/kg dry	2858	ND	94.3	70-130	and the second second	Sant Statement Laborat	08/27/2015	(
2,3-Trichloropropane	2830	57	ug/kg dry	2858	ND	98.9	70-130			08/27/2015	<u>)</u>
2,3-Trimethylbenzene	2850	57	ug/kg dry	2858	ND	99.9	70-130	***************************************		08/27/2015	
2,4-Trichlorobenzene	2740	290	ug/kg dry		ND .	95.8	70-130			08/27/2015	
2,4-Trimethylbenzene	2960	57	ug/kg dry	2858	ND	103	70-130		••••	08/27/2015	
2-Dibromo-3-chloropropane	2940	290	ug/kg dry	2858	ND	103	70-130			08/27/2015	
2-Dibromoethane	2960	57	ug/kg dry	2858	ND	104	70-130			08/27/2015	
2-Dichlorobenzene		57	ug/kg dry	2858	ND	101	70-130			08/27/2015	
2-Dichloroethane	3060	57	ug/kg dry	2858	ND	107	70-130			08/27/2015	
2-Dichloropropane	2960	. 57	ug/kg dry	***************************************	ND	104	70-130			08/27/2015	
3,5-Trimethylbenzene	2940	57	ug/kg dry	2858	ND	103	70-130		*****	08/27/2015	
3-Dichlorobenzene	2890	57	ug/kg dry	2858	ND .	101	70-130			08/27/2015	
4-Dichlorobenzene	2880	57	ug/kg dry	2858	ND	101	70-130			08/27/2015	
Butanone (MEK)	4200	290	ug/kg dry	2858	ND	147	70-130			08/27/2015	A04, A0
-Hexanone	3830	290	ug/kg dry	2858	ND	134	70-130			08/27/2015	A04, A0
Methylnaphthalene	2710	290	ng/kg dry	2858	ND	94.8	70-130			08/27/2015	
Propanone (acetone)	5210	1100	ug/kg dry	2858	ND	182	70-130			08/27/2015	A04, A06
-rropatione (accione)	. 3210	1100	ug/kg ut/	2030	11.2		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				A1
-Methyl-2-pentanone (MIBK)	2840	290	ug/kg dry	2858	ND	99.4	70-130			08/27/2015	
crylonitrile	2860	290	ug/kg dry	2858	ND	100	70-130			08/27/2015	
enzene	3000	57	ug/kg dry	2858	ND	105	70-130			08/27/2015	
romobenzene	2940	57	ug/kg dry	2858	ND	103	70-130			08/27/2015	
romochloromethane	2990	57	ug/kg dry	2858	ND	105	70-130			08/27/2015	
romodichloromethane	3070	57	ug/kg dry	2858	ND	108	70-130	194331114 <u>1.2504</u>		08/27/2015	
romoform	2770	57	ug/kg dry	2858	ND	97.0	70-130			08/27/2015	
romomethane	3170	290	ug/kg dry	2858	ND	111	70-130			08/27/2015	
arbon disulfide	2960	57	ug/kg dry	2858	ND		70-130			08/27/2015	
arbon tetrachloride	2790	57	ug/kg dry	2858	ND	97.8	70-130			08/27/2015	
aroon tetrachtoride hiorobenzene	2910	57	ug/kg dry	2858	ND	102	70-130			08/27/2015	
niorobenzene hioroethane	3250	290	ug/kg dry	2858	ND ·	114	70-130			08/27/2015	e i i i i i i i i i i i i i i i i i i i
DIOTORI 19DR	1/70	290	TENER OLD	40.20	י עוצו	114 .	10-120			00/4/14013	1



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Analyzed	Qualifier
Batch B5H2705 - Method:	5035			Prepare	ed: 08/26/20	15					
Iatrix Spike (B5H2705-MS1)	Source	e: 1508214	I-03	:							
hloromethane	2780	290	ug/kg dry	2858	ND	97.3	70-130			08/27/2015	
s-1,2-Dichloroethylene	2970	57	ug/kg dry	2858	ND	104	70-130			08/27/2015	*
s-1,3-Dichloropropylene	2940	57	ug/kg dry	2858	ND	103	70-130		-	08/27/2015	
yelohexane	2870	290	ug/kg dry	2858	ND	100	70-130			08/27/2015	
bromochloromethane	2940	57	ug/kg dry	2858	ND	103	70-130			08/27/2015	
bromomethane	2760	57	ug/kg dry	2858	ND	96.7	70-130			08/27/2015	
chlorodifluoromethane	2770	290	ug/kg dry	2858	ND	97.0	70-130			08/27/2015	
ethyl ether	3010	290	ug/kg dry	2858	ND	105	70-130			08/27/2015	
isopropyl Ether	3020	290	ug/kg dry	2858	ND	106	70-130			08/27/2015	
rylbenzene	3010	57	ug/kg dry	2858	ND	105	70-130			08/27/2015	
yltertiarybutylether	2930	290	ug/kg dry	2858	ND	103	70-130			08/27/2015	
xachloroethane	2810	290	ug/kg dry	2858	ND	98.3	70-130			08/27/2015	
propylbenzene	3000	57	ug/kg dry	2858	ND	105	70-130			08/27/2015	
& p - Xylene		110	ug/kg dry	5716	ND	105	70-130		•	08/27/2015	
ethyl iodide	2760	57	ug/kg dry	2858	ND	96.4	70-130			08/27/2015	
ethylene chloride	3070	290	ug/kg dry	2858	ND	108	70-130			08/27/2015	
ethyltertiarybutylether	3030	57		2858	ND	106	70-130			08/27/2015	
phihalene	2920	290	ug/kg dry	2858	ND	100	70-130			08/27/2015	
	2850		ug/kg dry	2858	ND	99.7	70-130			08/27/2015	
Butylbenzene	2980	57 57	ug/kg dry		ND		70-130				
Propylbenżene			ug/kg dry	2858		104				08/27/2015	
Xylene	3010	57	ug/kg dry	2858	ND	105	70-130			08/27/2015	
sopropyl toluene	2800	57	ug/kg dry	2858	- ND	98.0	70-130			08/27/2015	
:-Butylbenzene	2860	57 -	ug/kg dry	2858	ND	100	70-130			08/27/2015	
vrene :	3040	57	ug/kg dry	2858	ND	106	70-130			08/27/2015	
t-Butylbenzene	2820	57	ug/kg dry	2858	ND	98.6	70-130	_		08/27/2015	
tiary Butyl Alcohol	13400	2900	ug/kg đry	14290	ND	93.7	70-130			08/27/2015	
tiaryAmylmethylether	2910	290	ug/kg dry	2858	ND	102	70-130			'08/27/2015	
trachloroethylene	2800	57	ug/kg dry	2858	ND	98.0	70-130			08/27/2015	
trahydrofuran	2750	290	ug/kg dry	2858	ND	96.3	70-130			08/27/2015	
luenė	2910	57	ug/kg dry	2858	ND	102	70-130			08/27/2015	
ns-1,2-Dichloroethylene	3010	57	ug/kg dry	2858	ND	105	70-130	******************	*****************	08/27/2015	***************************************
ns-1,3-Dichloropropylene	2730	57	ug/kg dry	2858	ND	95.5	70-130			08/27/2015	
ns-1,4-Dichloro-2-butene	2720	290	ug/kg dry	2858	ND	95.3	70-130			08/27/2015	
ichloroethylene	2780	57	ug/kg dry	2858	ND	97.1	70-130			08/27/2015	
ichlorofluoromethane	2970	57	ug/kg dry	2858	ND	104	70-130			08/27/2015	
nyl chloride	2900	57	ug/kg dry	2858	ND	101	70-130			08/27/2015	
arrogate: Bromofluorobenzene	51.8		ug/kg dry	52.45		98.8	40.3-194	-		08/27/2015	
rrogate: Dibromofluoromethane	57.8		ug/kg dry	52,45		110	52.1-217			08/27/2015	
rrogate: Toluene-d8	55.4			52.45		106	55.4-196			08/27/2015	
		4	ug/kg dry	32.43		100	33.4-190			08/2//2013	
atrix Spike Dup (B5H2705-MSD1)		e: 1508214									
1,1,2-Tetrachloroethane	2880	57	ug/kg dry	2858	ND	101	70-130	2.87	30	08/27/2015	
I,I-Trichloroethane	2800	57	ug/kg dry	2858	ND	98.1	70-130	8.90	30	08/27/2015	
1,2,2-Tetrachloroethane	3110	57	ug/kg dry `	2858	ND	109	70-130	1.12	30	08/27/2015	
,2-Trichloroethane	2810	57	ug/kg dry	2858	ND	98.3	70-130	2.29	30	08/27/2015	
l-Dichloroethane	2790	57	ug/kg dry	2858	ND	97.7	70-130	7.72	30	08/27/2015	
-Dichloroethylene	2500	- 57	ug/kg dry	2858	ND	87.4	70-130	9.86	.30	08/27/2015	
2,3-Trichlorobenzene	2700	290	ug/kg dry	2858	ND	94.4	70-130	0.0504	30	08/27/2015	



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9

			· -	Spike	Source		%REC		RPD		
Analyte	Result ,	RL	Units	Level	Result	%REC	Limits	RPD	Limit	Analyzed	Qualifier
Batch B5H2705 - Method: 503	35			Prepare	ed: 08/26/20	15					
Matrix Spike Dup (B5H2705-MSD1)	Source	: 150821	4-03					-			
1,2,3-Trichloropropane	2850	57	ug/kg dry	2858	ND /	99.6	70-130	0.656	30	08/27/2015	-
1,2,3-Trimethylbenzene	2770	57	ug/kg dry	2858	ND	97.1	70-130	2.85	30	08/27/2015	
1,2,4-Trichlorobenzene	2660	290	ug/kg dry	2858	ND	· 93 . 2	70-130	2.71	30	08/27/2015	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
1,2,4-Trimethylbenzene	2860	57	ug/kg dry	2858	ND	100	70-130	3.24	30	08/27/2015	
1,2-Dibromo-3-chloropropane	2800	290	ug/kg dry	2858	ND	98.0	70-130	4.83	30	08/27/2015	
1,2-Dibromoethane	2970	57	ug/kg dry	2858	ND	104	70-130	0.292	30	08/27/2015	
1,2-Dichlorobenzene	2820	57	ug/kg dry	2858	ND	98.7	70-130	1.81	30	08/27/2015	
1,2-Dichloroethane	2940	57	ug/kg dry	2858	ND	103	70-130	4.19	30	08/27/2015	
1,2-Dichloropropane	2760	57	ug/kg dry	2858	ND	96.7	70-130	6.97	30	08/27/2015	
1,3,5-Trimethylbenzene	2820	57	ug/kg dry	2858	ND	98.7	70-130	4.07	30	08/27/2015	
1,3-Dichlorobenzene	2810	57	ug/kg dry	2858	ND	98.5	70-130	2.51	30	08/27/2015	
1,4-Dichlorobenzene	2780	57	ug/kg dry	2858	ND	97.4	70-130	3.34	30	08/27/2015	
2-Butanone (MEK)	3790	290	ug/kg dry	2858	ND	133	70-130	10.1	30	08/27/2015	A04, A06
2-Hexanone	3590	290	ug/kg dry	2858	ND	126	70-130	6.48	30	08/27/2015	A06
2-Methylnaphthalene	2740	290	ug/kg dry	2858	ND	96.0	70-130	1.19	30	08/27/2015	X
2-Propanone (acetone)	4600	1100	ug/kg dry	2858	ND	161	70-130	12.3	30	08/27/2015	A04, A06,
4-Methyl-2-pentanone (MIBK)	2900	290	ug/kg dry	2858	ND	101	70-130	2.03	30	08/27/2015	/51.1
Acryfonitrile	2700	290	ug/kg dry	2858	ND	94,6	70-130	5.58	30	08/27/2015	
Benzene	2760	57	ug/kg dry	2858	ND	96.5	70-130	8.51	30	08/27/2015	
Bromobenzene	2840	57	ug/kg dry	2858	ND	99.5	70-130	3.20	30	08/27/2015	
Bromochloromethane	2830	57	ug/kg dry	2858	ND	99.1	70-130	5.45	30	08/27/2015	
Bromodichloromethane	2920	57	ug/kg dry	2858	ND	102	70-130	5.10	30	08/27/2015	
Bromoform	2730	57	ug/kg dry	2858	ND	95.4	70-130	. 1.61	30	08/27/2015	
Bromomethane	2820	290	ng/kg dry	2858	ND	98.8	70-130	11.6	30	08/27/2015	
Carbon disulfide	2720	57	ug/kg dry	2858	ND	95.3	70-130	8,17	30	08/27/2015	
Carbon tetrachloride	2530	57	ug/kg dry	2858	ND	88,4	70-130	10.0	30	08/27/2015	
Chlorobenzene	2790	57	ug/kg dry	2858	ND	97.7	70-130	4.15	30	08/27/2015	
Chloroethane	2950	290	ug/kg dry	2858	ND	103	70-130	9.69	30	08/27/2015	
Chloroform	2860	57	ug/kg dry	2858	ND	99.9	70-130	5.32	30	08/27/2015	
Chloromethane	2500	290	ug/kg dry	2858	: ND	87.5	70-130	10.7	30	08/27/2015	
cis-1,2-Dichloroethylene	2830	57	ug/kg dry	2858	ND	99.1	70-130 ⁻	4.58	30	08/27/2015	
cis-1,3-Dichloropropylene	2830	57	ug/kg dry	2858	ND	98.9	70-130	3.83	30	08/27/2015	
Cyclohexane	2590	290	ug/kg dry	2858	ND	90.5	70-130	10.2	30	08/27/2015	
Dibromochloromethane	2990	57	ug/kg dry	2858	ND	105	70-130	1.98	30	08/27/2015	
Dibromomethane	2780	57	ug/kg dry	2858	ND	97.3	70-130	0.560	30	08/27/2015	
Dichlorodifluoromethane	2530	290	ug/kg dry	2858		88.5	70-130	9.18		08/27/2015	
Diethyl ether	2920	290	ug/kg dry	2858	ND ND	102	70-130	3.16	30	08/27/2015	
Düsopropyl Ether	2910	290	ug/kg dry	- 2858	ND	102	70-130	3.53	30	08/27/2015	
Ethylbenzene	2800	57	ug/kg dry	2858	ND	98.1	70-130	6.98	30	08/27/2015	
Ethyltertiarybutylether	2860	290	ug/kg dry	2858	ND	100	70-130		30	08/27/2015	
Hexachloroethane	2650	290	ug/kg dry	2858	ND	92.8	70-130	5.76	30	08/27/2015	
Isopropylbenzene	2880	290 57	ug/kg dry ug/kg dry	2858	ND ND	101	70-130	4.08	30	08/27/2015	
m & p - Xylene	2860 5620	************	. T. P. M. (T. ("22. Table and 22. 2000 a.m.)		ND ND	98.2	70-130	6.73	30	08/27/2015	
m & p - Xylene Methyl todide	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	110 . 57	ug/kg dry	5716		98.2 92.5	70-130	6.73 4.16	30 30		
	2640 2900		ug/kg dry	2858	ND				~~~~~~~	08/27/2015	
Methylene chloride	2900	290	ug/kg dry	2858	ND ND	102 103	70-130 70-130	5.72 2.58	30 30	08/27/2015 08/27/2015	
Methylteriarybutylether		57	ug/kg dry	2858	in an in the second						
Naphthalene	2960	290	ug/kg dry	2858	ND	104	70-130	1.16	30	08/27/2015	``



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

Organics-Volatiles - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Analyzed	Qualifier
Batch B5H2705 - Method: 503	55			Prepare	ed: 08/26/20	15					
Matrix Spike Dup (B5H2705-MSD1)	Source	: 150821	4-03	•							
n-Butylbenzene	2670	57	ug/kg dry	2858	ND	93.3	70-130	6.59	30	08/27/2015	
i-Propylbenzene	2820	57	ug/kg dry	2858	ND	98.8	70-130	5,33	30	08/27/2015	
-Xylene	2810	57	ug/kg dry	2858	ND	98.4	70-130	6.88	30	08/27/2015	٠.
Elsopropyl toluene	2670	57	ug/kg dry	2858	ND	93.5	70-130	4.69	30 -	08/27/2015	
ec-Butylbenzene	2720	57	ug/kg dry	2858	ND	95.3	70-130	5.02	30	08/27/2015	
Styrene	2850	57	ug/kg dry	2858	ND	99.9	70-130	6.39	30	08/27/2015	
ert-Butylbenzene	2710	57	ug/kg dry	2858	ND	94.9	70-130	3.89	30	08/27/2015	
ertiary Butyl Alcohol	13100	2900	ug/kg dry	14290	ND	91.9	70-130	1.91	30	08/27/2015	
ertiaryAmyImethylether	2850	290	ug/kg dry	2858	ND	99.8	70-130	1.86	30	08/27/2015	
etrachloroethylene	2540	57	ug/kg dry	2858	ND	88.7	70-130	9.90	30	08/27/2015	
Tetrahydrofuran	2690	290	ug/kg dry	2858	ND	94.2	70-130	2.15	30	08/27/2015	
Coluene	2750	57	ug/kg dry	2858	ND	96.2	70-130	5.80	30	08/27/2015	
rans-1,2-Dichloroethylene	2720	57	ug/kg dry	2858	ND	95.3	70-130	9.97	30	08/27/2015	
rans-1,3-Dichloropropylene	2610	57	ug/kg dry	2858	ND	91.4	70-130	4.37	30	08/27/2015	
rans-1,4-Dichloro-2-butene	2710	290	ug/kg dry	2858	ND	94.7	70-130	0.616	30	08/27/2015	
Prichlaraethylene	2590	57	ug/kg dry	2858	ND	90.5	70-130	7.08	30	08/27/2015	
ichlorofluoromethane	2640	57	ug/kg dry	2858	ND	92.5	70-130	11.7	30	08/27/2015	
nyl chloride	2600	57	ug/kg dry	2858	ND	90.9	70-130	,11.0	30	08/27/2015	
urrogate: Bromofluorobenzene	49.0		ug/kg đry	52.45		93.5	40.3-194	***************************************		08/27/2015	
urrogate: Dibromofluoromethane	55.5		ug/kg dry	52.45		106	52.1-217		422	08/27/2015	
urrogate: Toluene-d8	52.6		ug/kg dry	52.45		100	55. 4-1 96			08/27/2015	

Batch B5H2803 - Method: 5035

Prepared: 08/28/2015

Blank (B5H2803-BLK1)	8		*		,
1,1,1,2-Tetrachloroethane	ND	50	ug/kg wet		08/28/2015
1,1,1-Trichloroethane	nD ND	50	ug/kg wet		08/28/2015
1,1,2,2-Tetrachloroethane	ND	50	ug/kg wet		08/28/2015
1,1,2-Trichloroethane	ND	50	ug/kg wet	32	08/28/2015
1,1-Dichloroethane	ND	50	ug/kg wet		08/28/2015
l,l-Dichloroethylene	ND	50	ug/kg wet		08/28/2015
1,2,3-Trichlorobenzene	ND	250	ug/kg wet		08/28/2015
1,2,3-Trichloropropane	ND	50	ug/kg wet		08/28/2015
1,2,3-Trimethylbenzene	ND '	50	ug/kg wet	-	08/28/2015
1,2,4-Trichlorobenzene	ND	250	ug/kg wet		08/28/2015
1,2,4-Trimethylbenzene	ND	. 50	ug/kg wet		08/28/2015
1,2-Dibromo-3-chloropropane	ND	250	ug/kg wet		08/28/2015
1,2-Dibromoethane	ND	50	ug/kg wet		08/28/2015
1,2-Dichlorobenzene	ND-	50	ug/kg wet		08/28/2015
1,2-Dichloroethane	ND	['] 50	ug/kg wet		. 08/28/2015
1,2-Dichloropropane	ND	50	ug/kg wet		08/28/2015
1,3,5-Trimethylbenzene	ND	50	ug/kg wet	•	08/28/2015
1,3-Dichlorobenzene	ND	- 50	ug/kg wet		08/28/2015
1,4-Dichlorobenzene	ND ·	50	ug/kg wet		08/28/2015
Butanone (MEK)	ND	250	ug/kg wet		08/28/2015
Hexanone	ND	250	ug/kg wet		08/28/2015



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9

Ameliata	n 14	DI	TT:.	Spike	Source	9/PEC	%REC	ממת	RPD	Analyzad	Ovolifies
Analyte	Result	. RL	Units	Level	Result	%REC	Limits	RPD	Limit	Analyzed	Qualifier
Batch B5H2803 - Method:	5035			Prepare	ed: 08/28/20	15					<u> </u>
Blank (B5H2803-BLK1)									<u>.</u>		
2-Methylnaphthalene	ND	250	ug/kg wet							08/28/2015	Х
2-Propanone (acetone)	ND	1000	ug/kg wet							08/28/2015	
4-Methyl-2-pentanone (MIBK)	ND	250	ug/kg wet							08/28/2015	
Acrylonitrile	ND	250	ug/kg wet							08/28/2015	
Benzene	ND	50	ug/kg wet		***************************************					08/28/2015	
Bromobenzene	ND	50	ug/kg wet							08/28/2015	
Bromochloromethane	ND	50	ug/kg wet							08/28/2015	
Bromodichloromethane	ND	50	ug/kg wet							08/28/2015	
Bromoform	ND	50	ug/kg wet		***************************************					08/28/2015	
Bromomethane	ND	250	ug/kg wet							08/28/2015	
Carbon disulfide	ND	50	ug/kg wet					*************************		08/28/2015	
Carbon tetrachloride	ND	50	ug/kg wet							08/28/2015	
Chlorobenzene	ND	50	ug/kg wet							08/28/2015	
Chloroethane	ND	250	ug/kg wet							08/28/2015	
Chloroform	ND	50	ug/kg wet							08/28/2015	
Chloromethane	ND	250	ug/kg wet							08/28/2015	
cis-1,2-Dichloroethylene	ND	50	ug/kg wet		**************************************					08/28/2015	
eis-1,3-Dichloropropylene	ND	-50	ug/kg wet							08/28/2015	
Cyclohexane	ND	250	ug/kg wet							08/28/2015	
Dibromochloromethane	ND	50	ug/kg wer							08/28/2015	
Dibromomethane	ND	50	ug/kg wet							08/28/2015	
Dichlorodifluoromethane	ND	250	ug/kg wet							08/28/2015	
Diethyl ether	ND	250	ug/kg wet	/# 1						08/28/2015	
Diisopropyl Ether	ND	250	ug/kg wet							08/28/2015	
Ethylbenzene	ND	50	ug/kg wet		X.	·				08/28/2015	
Ethyltertiarybutylether	ND	250	ug/kg wet							08/28/2015	
Hexachloroethane	ND	250	ug/kg wet					***************************************		08/28/2015	
Sopropylbenzene	ND	50	ug/kg wet							08/28/2015	
m & p - Xylene	ND	100	ug/kg wet		,			•		08/28/2015	
Methyl iodide	ND	50	ug/kg wet							08/28/2015	
Methylene chloride	ND	250	ug/kg wet							08/28/2015	•
Methyltertiarybutylether	ND	50	ug/kg wet							08/28/2015	
Naphthalene	ND	250	ug/kg wet							08/28/2015	X
n-Butylbenzene	ND	50	ug/kg wet							08/28/2015	
n-Propylbenzene	ND	50	ug/kg wet							08/28/2015	***************************************
n-Xylene	, ND	50	ug/kg wet							08/28/2015	
p-Isopropyl toluene	ND	50	ug/kg wet							08/28/2015	
see-Butylbenzene	ND	50	ug/kg wet							08/28/2015	
Styrene	ND	50	ug/kg wet							08/28/2015	
tert-Butylbenzene	ND	50	ug/kg wet							08/28/2015	
tertiary Butyl Alcohol	ND	2500	ug/kg wet							08/28/2015	
tertiaryAmylmethylether	ND ND	250	ug/kg wet							08/28/2015	
Tetrachloroethylene	ND	50	ug/kg wet.							08/28/2015	
Tetrahydrofuran	ND	250	ug/kg wet							08/28/2015	
Toluene	ND	50	ug/kg wet							08/28/2015	
trans-1,2-Dichloroethylene	ND.	50	ug/kg wet							08/28/2015	
trans-1,3-Dichloropropylene	ND	50	ug/kg wet							08/28/2015	
trans-1,3-Dichloro-2-butene	ND ND	250					_			08/28/2015	
rans-1,4-Dichioro-2-outene	שא	۷۵0	ug/kg wet							00/20/2013	



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

.nalyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Analyzed	Qualifier
		KL.	Units				Limits	KPD .	Limit	Anaiyzed	Quanner
Batch B5H2803 - Method	1: 5035			Prepare	ed: 08/28/20	15					
lank (B5H2803-BLK1)	· · · · · · · · · · · · · · · · · · ·					<u> </u>					
richloroethylene	ND	50	ug/kg wet							08/28/2015	
richlorofluoromethane inyl chloride	ND ND	50 50	ug/kg wet ug/kg wet							08/28/2015 08/28/2015	
urrogate: Bromofluorobenzene	51:9		ug/L	50.00		104	40.3-194			08/28/2015	
urrogate: Dibromofluoromethane	49.1		ug/L	50.00		98.2	<i>52.1-217</i>			08/28/2015	
urrogate: Toluene-d8	49.8		ug/L	50.00		99.5	55.4-196			08/28/2015	
CS (B5H2803-BS1)								·			
1,1,2-Tetrachloroethane	2620	50	ug/kg wet	2500		105	70-130			08/28/2015	
I,1-Trichloroethane	2700	50	ug/kg wet	2500		108	70-130			08/28/2015	
1,2,2-Tetrachloroethane	2980	50	ug/kg wet	2500		119	70-130			08/28/2015	
1,2-Trichloroethane	2620	50	ug/kg wet	2500		105	70-130			08/28/2015	
1-Dichloroethane	2660	50	ug/kg wet	2500	·····	106	70-130	-	***************************************	08/28/2015	2001.201.000000000000000000000000000000
1-Dichloroethylene	2400	50	ug/kg wet	2500		96.0	70-130			08/28/2015	
2,3-Trichlorobenzene	2530	250	ug/kg wet	2500		101	70-130	and the state of t		08/28/2015	
2,3-Trichloropropane	2680	50	ug/kg wet	2500		107	70-130			08/28/2015	
2,3-Trimethylbenzene	2600	50	ug/kg wet	2500	aliante de la companya de la constitución de la constitución de la constitución de la constitución de la const	104	70-130		****	08/28/2015	
.,4-Trichlorobenzene	2550	250	ug/kg wet	2500		102	- 70-130			08/28/2015	
2,4-Trimethylbenzene	2730	50	ug/kg wet	2500		109	70-130			08/28/2015	
2-Dibromo-3-chloropropane	2600	250	ug/kg wet	2500		104	70-130			08/28/2015	
2-Dibromoethane	2650	50	ug/kg wet	2500		106	70-130			08/28/2015	
2-Dichlorobenzene	2640	50	ug/kg wet	2500		106	70-130			08/28/2015	
2-Dichloroethane	2680	50	ug/kg wet	2500		107	70-130			08/28/2015	
2-Dichloropropane	2620	50	ug/kg wet	2500		105	70-130			08/28/2015	
3,5-Trimethylbenzene	2730	50	ug/kg wet	2500		109	70-130			08/28/2015	
3-Dichlorobenzene	2690	50	ug/kg wet	2500		107	70-130			08/28/2015	
4-Dichlorobenzene	2660	50	ug/kg wet	2500	1.000	106	70-130		and the second second	08/28/2015	
-Butanone (MEK)	3730	250	ug/kg wet	2500		149	70-130			08/28/2015	A06, A0
-Hexanone	· 3460	250	ug/kg wet	2500		138	70-130		***************	08/28/2015	A06, A0
Methylnaphthalene	2470	250	ug/kg wet	2500		99,0	70-130			08/28/2015	
Propanone (acetone)	4650	1000	ug/kg wet	2500		186	70-130			08/28/2015	A06, A09
-Methyl-2-pentanone (MIBK)	2670	250	ug/kg wet	2500		107	70-130			.08/28/2015	A1
crylonitrile	2530	250	ug/kg wet	2500		101	70-130			08/28/2015	
cnzene	2600	50	ug/kg wet	2500		104	70-130			08/28/2015	
romobenzene	2680	50	ug/kg wet	2500		107	70-130	****		08/28/2015	
romochloromethane		50	ug/kg wet	2500	7	105	70-130			08/28/2015	
romodichloromethane	2820	50	ug/kg wet	2500		113	70-130			08/28/2015	diamento e della della della della della della della della della della della della della della della della del
romoform	2580	50	ug/kg wet	2500		103	70-130			08/28/2015	
romomethane	2750	250	ug/kg wet	2500		110	70-130			08/28/2015	
arbon disulfide	2700	50	***************************************	2500		108	70-130			08/28/2015	
arbon tetrachloride	2510	50	ug/kg wet	2500		100	70-130			08/28/2015	
hlorobenzene	2600	50	ug/kg wet	2500		104	70-130			08/28/2015	
hloroethane	2840	250	ug/kg wet	2500		114	70-130		1.	08/28/2015	
hloroform	2840 2690	250 50	Contraction and the contraction of the contraction	2500		114	70-130 70-130			****************	
hloromethane			ug/kg wet							08/28/2015	
	2460	250	ug/kg wet	2500		98.3	70-130			08/28/2015	
s-1,2-Dichloroethylene is-1,3-Dichloropropylene	2680	50	ug/kg wet	2500		107	70-130			08/28/2015	
	2730	50	ug/kg wet	2500		109	70-130			08/28/2015	



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9

	•			Spike	Source		%REC		RPD		
Analyte	Result	RL	Units	Level	Result	%REC	Limits	, RPD	Limit	Analyzed	Qualifier
Batch B5H2803 - Method: 50	035			Prepare	d: 08/28/ 2 0	15					
LCS (B5H2803-BS1)											
Cyclohexane	2430	250	ug/kg wet	2500		97.2	70-130			08/28/2015	
Dibromochloromethane	2770	50	ug/kg wet	2500		111	70-130			08/28/2015	
Dibromomethane	2490	50	ug/kg wet	2500		99.5	70-130			08/28/2015	
Dichlorodifluoromethane	2330	250	ug/kg wet	2500		93.3	70-130			08/28/2015	
Diethyl ether	2710	250	ug/kg wet	2500		108	70-130			08/28/2015	
Diisopropyl Ether	2670	250	ug/kg wet	-2500		107	70-130			08/28/2015	
Ethylbenzene	2700	50	ug/kg wet	2500		108	70-130			08/28/2015	
Sthyltertiarybutylether	2660	250	ug/kg wet	2500		107	70-130			08/28/2015	
Hexachloroethane	2730	250	ug/kg wet	2500		109	70-130			08/28/2015	
sopropylbenzene	2750	50	ug/kg wet	2500		110	70-130			08/28/2015	
n & p - Xylene	5330	100	ug/kg wet	5000		107	70-130			08/28/2015	***************************************
Methyl iodide	2510	50	ug/kg wet	2500		100	70-130			08/28/2015	
Methylene chloride	2700	250	ug/kg wet	2500		108	70-130		***************************************	08/28/2015	
Methyltertiarybutylether	2690	50	ug/kg wet	2500		108	70-130			08/28/2015	
Naphthalene	2690	250	ug/kg wet	2500		107	70-130	-		08/28/2015	Х
i-Butylbenzene	2680	50	ug/kg wet	2500		107	70-130			08/28/2015	
ı-Propylbenzene	2760	50	ug/kg wet	2500		110	70-130			08/28/2015	
-Xylene	2630	50	ug/kg wet	2500		105	70-130			08/28/2015	,
-Isopropyl toluene	2600	50	ug/kg wet	2500		104	70-130			08/28/2015	
ec-Butylbenzene	2680		ug/kg wet	2500		107	70-130			08/28/2015	
Styrene	2670	50	ug/kg wet	2500		107	70-130			08/28/2015	***
ert-Butylbenzene	2590	50	ug/kg wer	2500		104	70-130			08/28/2015	
ertiary Butyl Alcohol	12200	2500	ug/kg wet	12500		97.7	70-130			08/28/2015	
ertiary Amylmethylether	2620	250	ug/kg wet	2500		105	70-130			08/28/2015	
Tetrachloroethylene	2500	50	ug/kg wet	2500		100	70-130			08/28/2015	
Fetrahydrofuran	2500 2520	250	ug/kg wet	2500		101	70-130			08/28/2015	
Coluene	2570	50	ug/kg wet	2500		103	70-130			08/28/2015	
rans-1,2-Dichloroethylene	2660	50	ug/kg wet	2500		106	70-130			08/28/2015	
	****			2500		101	70-130			08/28/2015	
rans-1,3-Dichloropropylene	2530	50	ug/kg wet			107					
rans-1,4-Dichloro-2-butene	2690	250	ug/kg wet	2500			70-130			08/28/2015	
Frichloroethylene	2440	50	ug/kg wet	2500		97.6	70-130			08/28/2015	
Trichlorofluoromethane	2540	50	ug/kg wet	2500		102	70-130			-08/28/2015	
/inyl chloride	2480	50	ug/kg wet	2500		99.1	70-130			08/28/2015	-
Surrogate: Bromofluorobenzene	50.5		ug/L	50.00		101	40.3-194			08/28/2015	
Surrogate: Dibromofluoromethane	51.0		ug/L	50.00		102	52.1-217			08/28/2015	
Surrogate: Toluene-d8	49.8		ng/L	50.00		99.7	55.4-196			08/28/2015	
Matrix Spike (B5H2803-MS1)	Source	e: 150822	3-04								
1,1,1,2-Tetrachloroethane	4810	96	ug/kg dry	4793	ND	100	70-130		***************************************	08/28/2015	***************************************
1,1,1-Trichloroethane	4930	96	ug/kg dry	4793	ND	103	70-130			08/28/2015	
1,1,2,2-Tetrachloroethane	5160	96	ug/kg dry	4793	ND	108	70-130			08/28/2015	
,1,2-Trichloroethane	4750	96	ug/kg dry	4793	ND	99.1	70-130			08/28/2015	
1,1-Dichloroethane	4960	96	ug/kg dry	4793	ND	103	70-130			08/28/2015	
1,1-Dichloroethylene	4420	96	ug/kg dry	4793	ND	92.3	70-130			08/28/2015	
1,2,3-Trichlorobenzene	4500	480	ug/kg dry	4793	ND	94.0	70-130			08/28/2015	
1,2,3-Trichloropropane	4610	96	ug/kg dry	4793	ND	96.1	70-130			08/28/2015	
		and the second second second			and the second second	CONTRACTOR OF THE PARTY OF THE		and the second second	www.companies.com	CONTRACTOR CONTRACTOR CONTRACTOR	CAMPAGE COLUMN COLUMN (
1,2,3-Trimethylbenzene	4680	96	ug/kg dry	4793	ND	97.7	70-130			08/28/2015	1



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

Analyte	Result	RĽ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Analyzed	Qualifier
Batch B5H2803 - Method: 5	5035				ed: 08/27/20						Quantitor
Tatrix Spike (B5H2803-MS1)	Sourc	e: 150822	3-04	-	•	_					
,2,4-Trimethylbenzene	4890	96	ug/kg dry	4793	ND	1021	70-130	-		08/28/2015	
2-Dibromo-3-chloropropane	4620	480	ug/kg dry	4793	ND	96.4	70-130			08/28/2015	
2-Dibromoethane	. 4830	96	ug/kg dry	4793	ND	101	70-130			08/28/2015	
2-Dichlorobenzene	4730	96	ug/kg dry	4793	ND	98.6	70-130			08/28/2015	
2-Dichloroethane	4900	96	ug/kg dry	4793	ND	102	70-130			08/28/2015	
2-Dichloropropane	4770	96	ug/kg dry	4793	ND	99.6	70-130			08/28/2015	
3,5-Trimethylbenzene	4860	96	ug/kg dry	4793	ND	101	70-130			08/28/2015	
3-Dichlorobenzene	4800	96	ug/kg dry	4793	. ND	100	70-130			08/28/2015	
4-Dichlorobenzene	4770	96	ug/kg dry	4793	ND	99.6	70-130			08/28/2015	
Butanone (MEK)	4360	480	ug/kg dry	4793	ND	91.0	70-130				1.0
Hexanone	4570	480	ug/kg dry	4793	ND	95.4	70-130			08/28/2015 08/28/2015	A0
Methylnaphthalene	4640	480	ug/kg dry	4793	ND	96.9	70-130			CONTRACTOR CONTRACTOR	A0
Propanone (acetone)	4060	1900	ug/kg dry	4793	ND	84.6	70-130			08/28/2015	100 11
Methyl-2-pentanone (MIBK)	4640	480		4793	ND ND					08/28/2015	A06, A1
crylonitrile	4630		ug/kg dry			96.8	70-130			08/28/2015	
enzene	4830	480	ug/kg dry	4793	ND	96.5	70-130			08/28/2015	
		96	ug/kg dry	4793	ND	101	70-130			08/28/2015	
romobenzene	4780	96	ug/kg dry	4793	ND	99.7	70-130			08/28/2015	
pmochloromethane	4770	96	ug/kg dry	4793	ND	99.5	70-130			08/28/2015	
omodichloromethane	5030	96	ug/kg dry	4793	ND	105	70-130			08/28/2015	
romoform	4500	96	ug/kg dry	4793	ND	93.8	70-130			08/28/2015	
romomethane	5140	480	ug/kg dry	4793	ND	107	70-130		•	08/28/2015	****
arbon disulfide		96	ug/kg dry	4793	ND	100	70-130			08/28/2015	
arbon tetrachloride	4530	96	ug/kg dry	47.93	ND	94.5	70-130			08/28/2015	***************************************
hlorobenzene	4760	96	ug/kg dry	4793	ND	99.3	70-130			08/28/2015	
hloroethane	5220	480	ug/kg dry	4793	ND	109	70-130		_	08/28/2015	
hloroform	-5030	96	ug/kg dry	4793	ND .	105	70-130			08/28/2015	
hloromethane	4510	480	ug/kg dry	4793	ND	94.1	70-130			08/28/2015	
s-1,2-Dichloroethylene	4940	96	ug/kg dry	4793	ND	103	70-130			08/28/2015	
s-1,3-Dichloropropylene	4790	96	ug/kg dry	4793	ND	100	70-130			08/28/2015	
yclohexane	4520	480	ug/kg dry	4793	ND	94.4	70-130			08/28/2015	
bromochloromethane	4950	96	ug/kg dry	4793	ND	103	70-130			08/28/2015	
bromomethane	4570	96	ug/kg dry	4793	ND	95.4	70-130			08/28/2015	
ichlorodifluoromethane	4430	480	ug/kg dry	4793	ND	92.5	70-130			08/28/2015	
ethyl ether	4880	480	ug/kg dry	4793	ND	102	70-130			08/28/2015	
isopropyl Ether	4860	480	ug/kg dry	4793	ND	101	70-130			08/28/2015	
hylbenzene	4890	96	ug/kg dry	4793	ND	102	70-130			08/28/2015	
hyltertiarybutylether	4840	480	ug/kg dry	4793	ND	101	70-130			08/28/2015	
exachloroethane	4550	480	ug/kg dry	4793	ND	94.9	70-130			08/28/2015	
opropylbenzene	4990	96	ug/kg dry	4793	ND	104	70-130	•			
& p - Xylene	9860	190	ug/kg dry	9586	ND ND	103	70-130			08/28/2015	
ethyl iodide	4720	96	ug/kg dry	4793		· · · · · · · · · · · · · · · · · · ·				08/28/2015	
ethylene chloride	4720 5050	******************		4793 4793	ND	98.5	70-130			08/28/2015	
ethyltertiarybutylether	·	480	ug/kg dry		ND	*****	70-130			08/28/2015	*
	4970	96	ug/kg dry	4793	ND	104	70-130			08/28/2015	
	5100	480	ug/kg dry	4793	ND	.106	70-130			08/28/2015	
Butylbenzene	4640	96	ug/kg dry	4793	ND	96.9	70-130			08/28/2015	
Propylbenzene	4850	96	ug/kg dry	4793	ND *		70-130			08/28/2015	
Xylene	4860	96	ug/kg dry	4793	ND	101	70-130	***************************************		08/28/2015	
sopropyl toluene	4660	96	ug/kg dry	4793	ND	97.2	70-130			08/28/2015	



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				Spike	Source	0/855	%REC	nre	RPD	A malamad	0155
Analyte	Result	RL	Units	Level	Result	%REC	Limits	RPD	Limit	Analyzed	Qualifier
Batch B5H2803 - Method: 50	035			Prepare	ed: 08/27/20	15					
Matrix Spike (B5H2803-MS1)	Source	: 150822	3-04								
sec-Butylbenzene	4730	96	ug/kg dry	4793	ND	98.7	70-130			08/28/2015	
Styrene	4920	96	ug/kg dry	4793	ND	103	70-130			08/28/2015	
tert-Butylbenzene	4690	96	ug/kg dry	4793	ND	97.9	70-130			08/28/2015	
tertiary Butyl Alcohol	21600	4800	ug/kg dry	23960	i ND	90.0	70-130			08/28/2015	
tertiaryAmylmethylether	4840	480	ug/kg dry	4793	ND	101	70-130			08/28/2015	
Tetrachloroethylene	4550	96	ug/kg dry	4793	ND	94.9	70-130			-08/28/2015	
Tetrahydrofuran	4480	480	ug/kg dry	4793	ND	93.6	70-130			08/28/2015	
Toluene	4790	96	ug/kg dry	4793	ND	99.9	70-130			08/28/2015	
trans-1,2-Dichloroethylene	4980	96	ug/kg dry	4793	ND	104	70-130		*****************	08/28/2015	
trans-1,3-Dichloropropylene	4360	96	ug/kg dry	4793	ND	91.0	70-130			- 08/28/2015	
trans-1,4-Dichloro-2-butene	4220	480	ug/kg dry	4793	ND	88.0	70-130			08/28/2015	
Trichloroethylene	4630	96	ug/kg dry	4793	ND	96.6	70-130			08/28/2015	
Trichlorofluoromethane	4680	96	ug/kg dry	4793	ND	97.7	70-130			08/28/2015	
Vinyl chloride	4630	96	ug/kg dry	4793	ND	96.6	70-130			08/28/2015	
	01.0	<u> </u>		74.42		124	40.3-194		***************************************	08/28/2015	
Surrogate: Bromofluorobenzene	91.9		ug/kg dry	gan was and a second			52.1-217			08/28/2015	
Surrogate: Dibromofluoromethane	101	**	ug/kg dry	74.42		136					
Surrogate: Toluene-d8	96.8		ug/kg dry	74.42		130	<i>55.4-196</i>			08/28/2015	18th
Matrix Spike Dup (B5H2803-MSD1)	Source	e: 150822	3-04								1
1,1,1,2-Tetrachloroethane	4810	96	ug/kg dry	4793	ND	100	70-130	0.0241	30	08/28/2015	
1,1,1-Trichloroethane	4930	96	ug/kg dry	4793	ND	103	70-130	0.0475	30	08/28/2015	
1,1,2,2-Tetrachloroethane	5180	96	ug/kg dry	4793	ND	108	70-130	0.463	30	08/28/2015	
1.1.2-Trichloroethane	4780	96	ug/kg dry	4793	ND ND	99.7	70-130	0,603	30	08/28/2015	
1,1-Dichloroethane	4970	96	ug/kg dry	4793	ND	104	70-130	0.146	30	08/28/2015	
,	4520	96	ug/kg dry	4793	ND	94.3	70-130	2,18	30	08/28/2015	
1.1-Dichloroethylene	4570	480	ug/kg dry	4793	ND	95.4	70-130	1.50	30	08/28/2015	
1,2,3-Trichlorobenzene			Mayor Colored Commission Colored	4793	ND	97.0	70-130	0.910	30	08/28/2015	
1,2,3-Trichloropropane	4650	96	ug/kg dry		ND	99.7	70-130	2,07	30	08/28/2015	
1,2,3-Trimethylbenzene	4780	96	ug/kg dry	4793		95.2	70-130	0.967	30	08/28/2015	
1,2,4-Trichlorobenzene	4560	480	ug/kg dry		ND.	3.3				08/28/2015	
1,2,4-Trimethylbenzene	4990	96	ug/kg dry	4793	ND ND	104	70-130	2.17	30 30		
1.2-Dibromo-3-chloropropane	4710	480	ug/kg dry			98.3	70-130	1.98		08/28/2015	
1,2-Dibromoethane	4850	96	ug/kg dry	4793	ND	101	70-130	0.407	30	08/28/2015	
1,2-Dichlorobenzene	4810	96	ug/kg dry	4793	ND	100	70-130	1.76	***************************************	08/28/2015	
1,2-Dichloroethane	5010	96	ug/kg dry	4793	ND	104	70-130	2.09	30	08/28/2015	
1,2-Dichloropropane	4860	96	ug/kg dry	4793	ND	101	70-130	1.75	30	08/28/2015	
1,3,5-Trimethylbenzene	4920	96	ug/kg dry	4793	ND	103	70-130	1.25	30	08/28/2015	
[,3-Dichlorobenzene	4840	96	ug/kg dry	4793	encon en	101	70-130		30	08/28/2015	
1,4-Dichlorobenzene	4850	96	ug/kg dry	4793	ND	101	70-130	1.69	30	08/28/2015	
2-Butanone (MEK)	4620	480	ug/kg dry	4793	ND .	96.4	70-130	5.72	30	08/28/2015	
2-Hexanone	.4590	480	ug/kg dry	4793	ND	95.7	70-130	0.324	30	08/28/2015	
2-Methylnaphthalene	4680 -	480	ug/kg dry	4793	ND	97.7	70-130	0.813	30	08/28/2015	X
2-Propanone (acetone)	4380	1900	ug/kg dry	4793	ND	91.5	70-130	7.74	30	08/28/2015	A06, A11
4-Methyl-2-pentanone (MIBK)	4800	480	ug/kg dry	4793	ND	100	70-130	3,32	30	08/28/2015	
Acrylonitrile	4600	480	ug/kg dry	4793	ND	96.0	70-130	0.523	30	08/28/2015	***************************************
Benzene	4810	96	ug/kg dry	4793	ND	100	70-130	0.318	30	08/28/2015	
Bromobenzene	4870	96	ug/kg dry	4793	ND	102	70-130	1.85	30	08/28/2015	
Bromochloromethane	4740	96	ug/kg dry	4793	ND	99.0	70-130	0.562	. 30	08/28/2015	
Bromodichloromethane	5090	96	ug/kg dry	4793	ND	106	70-130	1.31	30	08/28/2015	
Dromodicinoromeniane	3030	30	ng vg ury	7/33	1410	100	,0-150	1.01	30	00,2013	



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Analyzed	Qualifier
Batch B5H2803 - Method: 503	5 -		```	Prepare	ed: 08/27/20	15					
Matrix Spike Dup (B5H2803-MSD1)	Sourc	e: 150822	3-04								
Bromoform	4740	96	ug/kg dry	4793	ND	98.9	70-130	5.26	30	08/28/2015	
romomethane	5080	480	ug/kg dry	4793	ND	106	70-130	1.21	30	08/28/2015	
arbon disulfide \	4960	96	ug/kg dry	4793	ND	103	70-130	2.93	30	.08/28/2015	
arbon tetrachloride	4570	96	ug/kg dry	4793	ND	95.3	70-130	0.857	30	08/28/2015	
hlorobenzene	4850	96	ug/kg dry	4793	ND	101	70-130	1.95	30	08/28/2015	
hioroethane	5190	480	ug/kg dry	4793	ND	108	70-130	0.576	30	08/28/2015	
hloroform	4950	96	ug/kg dry	4793	ND	103	70-130	1.56	30	08/28/2015	
hloromethane	4430	480	ug/kg.dry	4793	ND	92.5	70-130	1.64	30	08/28/2015	
s-1,2-Dichloroethylene	5020	96	ug/kg dry	4793	ND	105	70-130	1.64	30	08/28/2015	
s-1,3-Dichloropropylene	4860	96	ug/kg dry	4793	ND	101	70-130	1.38	30	08/28/2015	
yclohexane	4530	480	ug/kg dry	4793	ND	94.5	70-130	0.118	30	08/28/2015	
ibromochloromethane	4980	96	ug/kg dry	4793	ND	104	70-130	0.580	30	08/28/2015	
ibromomethane	4590	96		4793	ND	95.8	70-130				
ichlorodifluoromethane	4180	organismo transferiore como	ug/kg dry	4793 4793			0.000000000000000000000000000000000000	0.483	30	08/28/2015	
		480	ug/kg dry		ND	87.3	70-130	5.82:	30	08/28/2015	
iethyl ether	4940	480	ug/kg dry	4793	ND	103	70-130	1.15	30	08/28/2015	
iisopropyl, Ether	4960	480	ug/kg dry	4793	ND	2	70-130	1.99	30	08/28/2015	
hylbenzene	4970	96	ug/kg dry	4793	· ND	104	70-130	1.57	30	08/28/2015	
hyltertiarybutylether	4940	480	ug/kg dry	4793	ND	103	70-130	2.14	30	08/28/2015	
xachloroethane	4750	480	ug/kg dry	4793	ND	99.2	70-130	4.43	30	08/28/2015	
ppropylbenzene	4980	96	ug/kg dry	4793	ND	104	70-130	0.250	30	08/28/2015	
& p - Xylene	9810	190	ug/kg dry	9586	ND	102	70-130	0.492	30	08/28/2015	
ethyl iodide	4980	96	ug/kg dry	4793	ND	104	70-130	5.37	30	08/28/2015	
ethylene chloride	5110	480	ug/kg dry	4793	ND ·	107	70-130	1.07	30	08/28/2015	
erhylfertiarybutylether	5020	96	ug/kg dry	4793	ND	105	70-130	0.976	30.	08/28/2015	
aphthalene	5050	480	ug/kg dry	4793	, ND	105	70-130	0.880	30	08/28/2015	
Butyfbenzene	4670	96	ug/kg dry	4793	ND	97.4	70-130	0.503	30	08/28/2015	
Propylbenzene .	4950	96	ug/kg dry	4793	ND	103	70-130	1.90	30	08/28/2015	•
Xylene	4860	96	ug/kg dry	4793	ND	101	70-130	0.133	30	08/28/2015	
Isopropyl toluene	4730	96	ug/kg dry	4793	ND	98.6	70-130	1.41	30	08/28/2015	
c-Butylbenzene	4790	96	ug/kg dry	4793	ND	100	70-130	1.31	30	08/28/2015	
yrene	4960	96	ug/kg dry	4793	ND	103	70-130	0.796	30	08/28/2015	
rt-Butylbenzene	4730	96	ug/kg dry		ND	98.7	70-130	0.864	30	08/28/2015	
rtiary Butyl Alcohol	21900	4800	ug/kg dry	23960	ND '	91.3	70-130	1.53	30	08/28/2015	
rtiaryAmylmethylether	4910	480	ug/kg dry	4793	ND	102	70-130	1.57	30	08/28/2015	
trachloroethylene	4570	96		4793	ND		70-130	0.513	30	08/28/2015	
trahydrofuran	4420	***************************************	ug/kg dry	4793	ND ND	95.4					
		480	ug/kg dry			92.2	70-130	1.48	30	08/28/2015	
oluene .	4760	96	ug/kg dry	4793	ND	99.3	70-130	0.615	30	08/28/2015	
ns=1,2-Dichleroethylene	4940	96"	ug/kg dry	4793	ND	103	70-130	0.827	30	08/28/2015	
ns-1,3-Dichloropropylene	4480	96	ug/kg dry	4793	ND	93.4	70-130	2.65	30	08/28/2015	
ns-1,4-Dichloro-2-butene	4230	480	ug/kg dry	4793	ND	88.3	70-130	0.418	30	08/28/2015	
ichloroethylene	4690	96	ug/kg dry	4793	ND	97.9	70-130	1.36	30	08/28/2015	
ichlorofluoromethane	4610	96	ug/kg dry	4793	ND	96.2	70-130	1.62	30	08/28/2015	
nyl chloride	4620	96	ug/kg dry	4793	ND	96.5	70-130	0.170	30	08/28/2015	
rrogate: Bromofluorobenzene	90.9		ug/kg dry	74,42		122	40,3-194			08/28/2015	
rrogate: Dibromofluoromethane	102 -										
rroguie. Dioromojinoromethane	102 -		ug/kg dry	74.42		137	<i>52.1-217</i>			08/28/2015	-



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

Batch B5H2808 - Method: 3	Result	RL	Units	Spike Level	Source Result	A/DEG	%REC		RPD		
				LCVOI	Result	%REC	Limits	RPD .	Limit	Analyzed	Qualifier
lank (DSH2000 DI V4)	8545 Soil SVC	OC		Prepar	ed: 08/31/20	15			· .		
lank (B5H2808-BLK1)											_
2,4-Trichlorobenzene	ND	200	ug/kg wet							09/08/2015	
4,5-Trichlorophenol	ND	330	ug/kg wet							09/08/2015	
4,6-Trichlorophenol	ND	330	ug/kg wet							09/08/2015	
4-Dichlerophenol	ND	-330	ug/kg wet							09/08/2015	
4-Dimethylphenol	ND	330	ug/kg wet							09/08/2015	
4-Dinitrophenol	ND	1700	ug/kg wet						_	09/08/2015	
4-Dinitrotoluene	ND	250	ug/kg wet						***************************************	09/08/2015	
6-Dinitrotoluene	ND -	250	ug/kg wet							09/08/2015	
Chloronaphthalene	ND	200	ug/kg wet							09/08/2015	
Chlorophenol	. ND	330	ug/kg wet							09/08/2015	
Methyl-4,6-dinitrophenol	ND	1700	ug/kg wet	-						09/08/2015	
Methylnaphthalene	ND	250	ug/kg wet							09/08/2015	<u> </u>
Methylphenol (o-Cresol)	ND	330	ug/kg wet							09/08/2015	
Nîtroaniline	ND	500	ug/kg wet						7.7.4	09/08/2015	
Nitrophenol	ND	330	ug/kg wet							09/08/2015	
& 4-Methylphenol	ND	660	ug/kg wet							09/08/2015	
Nitroaniline	ND	500	ug/kg wet							09/08/2015	S. Are
Bromophenyl phenyl ether	ND	200	ug/kg wer							09/08/2015	
-Chloro-3-methyl-phenol	ND	200	ug/kg wet							09/08/2015	
Chlorodiphenylether	ND	100	ug/kg wet							09/08/2015	
-Nitroaniline	ND 	500	ug/kg wet							09/08/2015	
Nitrophenol	ND	1700	ug/kg wet							09/08/2015	*****
cenaphthene	ND	100	ug/kg wet							09/08/2015	
cenaphthylene	ND	100	ug/kg wet		· ,					09/08/2015	
nthracene	ND	100	ug/kg wet							09/08/2015	
zobenzene	ND	200	ug/kg wet							09/08/2015	-
enz[a]anthracene	ND	100	ug/kg wet							09/08/2015	-
enzo[a]pyrene	ND	200	ug/kg wet							09/08/2015	
enzo[b]fluoranthene	ND .	200	ug/kg wet			•				09/08/2015 09/08/2015	
enzo[g,h,i]perylene	ND	200	ug/kg wet							ar ar ar ar ar ar ar ar ar ar ar ar ar a	
enzo[k]fluoranthene	ND	200	ug/kg wet							09/08/2015	
enzyl Alcohol	ND	2500	ug/kg wet							09/08/2015 09/08/2015	
is(2-chloroethoxy)methane	ND	200	ug/kg wet							09/08/2015	
is(2-chloroethyl)ether	ND ND	100	ug/kg wet					•		09/08/2015	
is(2-chloroisopropyl)ether	ND ND	100 250	ug/kg wet ug/kg wet							09/08/2015	
is(2-ethylhexyl)phthalate	ND	250								09/08/2015	
utyl benzyl phthalate	ND ND	250	ug/kg wet ug/kg wet							09/08/2015	
arbazole	ND	100	ug/kg wet							09/08/2015	
hrysene	ND ND	200								09/08/2015	
nbenz[a,h]anthracene hbenzofuran	ND ND	250	ug/kg wet ug/kg wet							09/08/2015	
nbenzoturan nethylphthalate	ND ND	250 250	ug/kg wet							09/08/2015	
V	ND ND	250	······································							09/08/2015	
imethyl phthalate	ND ND	250	ug/kg wet							09/08/2015	
i-n-butyl phthalate	ND	250	ug/kg wet ug/kg wet							09/08/2015	
ri-n-octyl phthalate		***************************************	The state of the s							09/08/2015	
luoranthene	ND ND	100 100	ug/kg wet ug/kg wet							09/08/2015	
luorene -											



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			_	0 - 11 -	g		· «PPG				
Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Analyzed	Qualifier
Batch B5H2808 - Method: 35	45 Soil SVC	OC		Prepar	ed: 08/31/201	.5			-		
Blank (B5H2808-BLK1)											-
Hexachlorobutadiene	ND	100	ug/kg wet							09/08/2015	
Hexachlorocyclopentadiene	ND	1000	ug/kg wet							09/08/2015	
Hexachloroethane	ND	100	ug/kg wet							09/08/2015	
Indeno(1,2,3-c,d)pyrene	· ND	200	ug/kg wet							09/08/2015	
sophorone	ND	100	ug/kg wet					************		09/08/2015	
Naphthalene	ND	100	ug/kg wet						-	09/08/2015	
Nitrobenzene	ND	200	ug/kg wet			***				09/08/2015	
N-Nitrosodimethylamine	ND	250	ug/kg wet							09/08/2015	
N-Nitrosodi-n-propylamine	ND	200	ug/kg wet					200000000000000000000000000000000000000	·	09/08/2015	***************************************
N-Nitrosodiphenylamine	ND	200	ug/kg wet				•			09/08/2015	
Pentachlorophenol	ND	1700	ug/kg wet							09/08/2015	
Phenanthrene	ND	100	ug/kg wet				<u> </u>			09/08/2015	
Phenol	ND	330	ug/kg wet							09/08/2015	
Pyrene	ND.	100	ug/kg wet							09/08/2015	
Surrogate: 2,4,6-Tribromophenol	2390		ug/kg wet	4000		59.8	20.3-115			09/08/2015	
Surrogate: 2-Fluorobiphenyl	1420		ug/kg wet	2000		71.2	32.9-115			09/08/2015	
rrogate: 2-Fluorophenol	2300		ug/kg wet	4000		<i>57.5</i>	23.7-115	***********		09/08/2015	
rrogate: Nitrobenzene-d5	1370		ug/kg wet	2000		68.3	31.8-115			09/08/2015	
surrogate: Phenol-d6	2640		ug/kg wet	4000		65.9	29.3-115		· · · · · · · · · · · · · · · · · · ·	09/08/2015	
Surrogate: p-Terphenyl-d14	1740		ug/kg wet	2000		86.8	38.5-115			09/08/2015	
LCS (B5H2808-BS1)										. '	
1,2,4-Trichlorobenzene	1350	200	ug/kg wet	2000		67.7	36.1-90.5			09/08/2015	
2,4,5-Trichlorophenol	3240	330	ng/kg wet	4000		81.1	42.9-114.1			09/08/2015	
2,4,6-Trichlorophenol	3130	330	ug/kg wet	4000		78.2	40.1-106.5			09/08/2015	
4-Dichlorophenol	3080	330	ug/kg wet	4000		76.9	41.3-105.1			09/08/2015	
2,4-Dimethylphenol	1730	330	ug/kg wet	4000	***************************************	43.2	29.1-103.6			09/08/2015	
?,4-Dinitrophenol	2160	1700	ug/kg wet	4000		54.0	10-123			09/08/2015	
2,4-Dinitrotoluene	1580	250	ug/kg wet	2000		79.0	49.3-111.6			09/08/2015	
-,6-Dinitrotoluene	1620	250	ug/kg wet	2000		81.0	49.7-108			09/08/2015	
2-Chloronaphthalene	1470	200	ug/kg wet	2000		73.6	41.4-98.7		••••••••	09/08/2015	
2-Chlorophenol	2830	330	ug/kg wet	4000		70.7	38.8-92.2			09/08/2015	
2-Methyl-4,6-dinitrophenol	2780	1700	ug/kg wet	4000		- 69.6	37.5-107.3			09/08/2015	
-Methylnaphthalene	1450	250	ug/kg wet	2000		72.6	38.6-94.3			09/08/2015	
2-Methylphenol (o-Cresol)	2720	. 330	ug/kg wet	4000		68.1	37.6-99.4			09/08/2015	
2-Nitroaniline	1530	500	ug/kg wet	2000		76.7	48.4-105.5			09/08/2015	
-Nitrophenol	2920	330	ug/kg wet	4000		73.0	39.2-96.3	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		09/08/2015	
3 & 4-Methylphenol	2870	660	ug/kg wet	4000		71.8	38.5-100.7			09/08/2015	
3-Nitroaniline .	1110	500	ug/kg wet	2000		55.5	16.5-118.9	***************************************		09/08/2015	***************************************
Bromophenyl phenyl ether	1660	200	ug/kg wet	2000		82.8	46.6-111.4			09/08/2015	
l-Chloro-3-methyl-phenol	3200	200	ug/kg wet	4000	W0000000000000000000000000000000000000	80.0	44.2-111.5			09/08/2015	
1-Chlorodiphenylether	1520	100	ug/kg wet	2000		75.8	45.5-105.3			09/08/2015	
	1210	500	ug/kg wet	2000		60.4	22.1-117.4			09/08/2015	
		1700	ug/kg wet	4000		66.5	25.4-124			09/08/2015	
	2660	1700	16/16 1701	Account to the second s							
l-Nitrophenol Acenaphthene	2660 1540	100	ug/kg wet	2000		76.9	43.6-101.5			09/08/2015	
4-Nitroaniline 1-Nitrophenol Acenaphthene Acenaphthylene						76.9 81.0	43.6-101.5 46.3-108.7			09/08/2015 09/08/2015	
-Nitrophenol Acenaphthene	1540	100	ug/kg wet	2000			CONTROL OF THE CONTRO			//****	



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

				Spike	Source		%REC		RPD		
Analyte	Result	RL	Units	Level	Result	%REC	Limits	RPD '	Limit	Analyzed	Qualifier
Batch B5H2808 - Method:	3545 Soil SVO	OC		Prepare	ed: 08/31/20	15					
LCS (B5H2808-BS1)											
Benz[a]anthracene	1650	100	ug/kg wet	2000		82.6	53.1-107.9			09/08/2015	
Зепzо[а]рутепе	1610	200	ug/kg wet	2000		80.5	47.5-113.5			09/08/2015	
Benzo[b]fluoranthene	1610	200	ug/kg wet	2000		80.3	49.8-112.3			09/08/2015	
Jenzo[g,h,i]perylene	1650	200	ug/kg wet	2000		82.3	25.7-120.5			09/08/2015	
enzo[k]fluoranthene	1570	200	ug/kg wet	2000-		78.4	49.6-112.4			09/08/2015	
enzyl Alcohol	2950	2500	ug/kg wet	4000		73.8	19.5-106.2			.09/08/2015	
is(2-chloroethoxy)methane	1600	200	ug/kg wet	2000		80.1	36.6-95.2		,	09/08/2015	
is(2-chloroethyl)ether	1330	100	ug/kg wet	2000		66.5	32.5-89.4			09/08/2015	
is(2-chloroisopropyl)ether	1320	100	ug/kg wet	2000		66.2	24.1-100.9	, , , , , , , , , , , , , , , , , , , ,		09/08/2015	
is(2-ethylhexyl)phthalate	1540	250	ug/kg wet	2000		77.2	48.4-121.6			09/08/2015	
utyl benzyl phthalate	1670	250	ug/kg wet	2000		83.5	49.5-117.3			09/08/2015	
arbazole	1510	250	ug/kg wet	2000		75.7	45.9-110.5			09/08/2015	
Thrysene	1710	100	ug/kg wet	2000		85.6	54-109.3			09/08/2015	marrie and the construction of the
libenz[a,h]anthracene	1670	200	ug/kg wet	2000		83.5	32.7-127			09/08/2015	
libenzofuran	. 1510	250	ug/kg wet	2000		75.3	45.8-99.3		***************************************	09/08/2015	***
liethylphthalate	1620	250	ug/kg wet	2000		80.8	49.6-110.7			09/08/2015	
imethyl phthalate	1620	250	ug/kg wet	2000		81.1	51-104.6			09/08/2015	
i-n-butyl phthalate	1580	250	ug/kg wet	2000		78.9	53.5-114.4			09/08/2015	137
i-n-octyl phthalate	1500	250	ug/kg wet	2000		75.0	49.8-123.9			09/08/2015	
noranthene	1430	100	ug/kg wet	2000		71.7	48.8-112.4			09/08/2015	-
luorene	1540	100	ug/kg wet	2000		77.0	45.9-103.5			09/08/2015	
lexachlorobenzene	1650	200	ug/kg wet	2000		82.4	46.4-109.9			09/08/2015	
exachlorobutadiene	1380	100	ug/kg wet	2000		68.9	30,2-96.2			09/08/2015	
exachlorocyclopentadiene	1440	1000	ug/kg wet	2000		71.9	16.5-91.7			09/08/2015	
[exachloroethane	1260	100	ug/kg wet	2000		63.0	30.4-82.9			09/08/2015	
ndeno(1,2,3-c,d)pyrene	1670	200	ug/kg wet	2000		83.6	36.6-126.1			09/08/2015	
sophorone	1440	100	ug/kg wet	2000		72.1	35.3-93.1			09/08/2015	
	1390	100	ug/kg wet	2000		69.7	36.2-91.2			09/08/2015	
aphthalene				2000		70.3	38.1-92.5			09/08/2015	
litrobenzene	1410	200	ug/kg wet			material and a second s	15.1-103.7			09/08/2015	
-Nitrosodimethylamine	1180	250	ug/kg wet	2000	3	59.0		*			
I-Nitrosodi-n-propylamine	1500	200	ug/kg wet	2000		74.9	37.8-95.4			09/08/2015	
-Nitrosodiphenylamine	1630	200	ug/kg wet	2000		81.3	24.3-135.2			09/08/2015	
entachlorophenol	2780	1700	ug/kg wet	4000		69.5	10-112.1			09/08/2015	
henauthrene	1610	100	ug/kg wet	2000		80.7	50.9-105.9			09/08/2015	
henol	2900	330	ug/kg wet	4000		72.4	32.4-98.4			09/08/2015	
угеде	1820	100	ug/kg wet	2000		90.8	46.2-113.7			09/08/2015	
urrogate: 2,4,6-Tribromophenol	3250	-	ug/kg wet	4000		81.2	20.3-115			09/08/2015	
urrogate: 2-Fluorobiphenyl	1430		ug/kg wet	2000		71.3	32.9-115			09/08/2015	
urrogate: 2-Fluorophenol	2530		ug/kg wet	4000		63.3	23.7-115			09/08/2015	
urrogate: Nitrobenzene-d5	1360		ug/kg wet	2000		68.1	31.8-115			09/08/2015	
urrogate: Phenol-d6	2800		ug/kg wet	4000		70.1	29.3-115			09/08/2015	
						81.9	38.5-115			09/08/2015	
urrogate: p-Terphenyl-d14	1640		ug/kg wet	2000	_	01:9	JO.J-113			09/08/2015	
.CS Dup (B5H2808-BSD1)											
,2,4-Trichlorobenzene	1400	200	ug/kg wet	2000		69.8	36.1-90.5	2.96	28.4	09/08/2015	
,4,5-Trichlorophenol	3380	330	ug/kg wet	4000		84.4	42.9-114.1	4.00	29.4	09/08/2015	
,4,6-Trichlorophenol	3260	330	ug/kg wet	4000		81.6	40.1-106.5	4.14	28.6	09/08/2015	Ý
4-Dichlorophenol	3220	330	ug/kg wet	4000		80,4	41.3-105.1	4.42	23.5	09/08/2015	



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nalyte	Result	RL	Units	Level	D14	0/DEC	-				
			<u> </u>	Level	Result	%REC	Limits	RPD	Limit —	Analyzed	Qualifier
atch B5H2808 - Metho	od: 3545 Soil SV	OC		Prepare	ed: 08/31/20	15					
CS Dup (B5H2808-BSD1)											
4-Dimethylphenol	1980	330	ug/kg wet	4000		49.4	29.1-103.6	13.4	30.1	09/08/2015	
4-Dinitrophenol	2270	1700	ug/kg wet	4000		56.8	10-123	5.15	65	09/08/2015	
4-Dinitrotoluene	1640	250	ug/kg wet	2000		82.0	49.3-111.6	3.73	29.9	09/08/2015	
6-Dinitrotoluene	1680	250	ug/kg wet	2000		84.2	49:7-108	3.86	27.3	09/08/2015	
Chloronaphthalene	1500	200	ug/kg wet	2000		.75.1	41.4-98.7	2.02	27.9	09/08/2015	
Chlorophenol	2840	330	ug/kg wet	4000		71.0	38.8-92.2	0.523	25.8	09/08/2015	
Methyl-4,6-dinitrophenol	2880	1700	ug/kg wet	4000		71.9	37.5-107.3	3.31	25.3	09/08/2015	
Methylnaphthalene	1500	250°	ug/kg wet	2000		75.2	38.6-94:3	3.43	28.1	09/08/2015	
Methylphenol (o-Cresol)	2790	330	ug/kg wet	4000	-	69.8	37.6-99.4	2.49	26.3	09/08/2015	
Nitroaniline	1600	500	ug/kg wet	2000		79.9	48.4-105.5	4.14	27.9	09/08/2015	
Nitrophenol	3020	330	ug/kg wet	4000		75.5	39.2-96.3	3.34	25.1	09/08/2015	
& 4-Methylphenol	2920	660	ug/kg wet	4000		73.1	38.5-100.7	-1.70	28	09/08/2015	
Nitroaniline	1200	500	ug/kg wet	2000		60.2	16.5-118.9	8.23	88.7	09/08/2015	
Bromophenyl phenyl ether	1690	200	ug/kg wet	2000		84.6	46.6-111.4	2.13	26	09/08/2015	
Chloro-3-methyl-phenol	3370	200	ug/kg wet	4000		84.3	44.2-111.5	5.32	25.6	09/08/2015	
Chlorodiphenylether	1580	100	ug/kg wet			79.1	45.5-105.3	4.29	29.2	09/08/2015	
Nitroaniline	1290	500	ug/kg wet	2000		64.7	22.1-117.4	6.78	50	09/08/2015	
Vitrophenol	2720	1700	ug/kg wet	4000		68.1	25.4-124	2.47	31.8	09/08/2015	
enaphthene	1590	100	ug/kg wet	2000		79.6	43.6-101.5	3.37	26.1	09/08/2015	
cenaphthylene	1680	100	ug/kg wet	2000		83.9	46.3-108.7	3.52	27.3	09/08/2015	
nthracene	1660	100	ug/kg wet	2000		83.1	48.9-106.4	2.22	24.2	09/08/2015	
zobenzene	1690	200	ug/kg wet	2000		84.3	45.5-109.9	0.0142	27.8	09/08/2015	
enz[a]anthracene	1670	100	ug/kg wet	2000		83.4	53.1-107.9	0.952	24.5	09/08/2015	***************************************
enzo[a]pyrene	1660	200	ug/kg wet	2000		83.0	47.5-113.5	3.03	25.9	09/08/2015	
enzo[b]fluoranthene	1640	200	ug/kg wet	2000		82.0	49.8-112.3	2.07	26.1	09/08/2015	
enzo[g;h,i]perylene	1640	200	ug/kg wet	2000		81.9	25.7-120.5	0.490	37.8	09/08/2015	
enzo[k]fluoranthene	1610	200	ug/kg wet	2000		80.3	49.6-112.4	2.34	25.7	09/08/2015	
enzyl Alcohol	3010	2500	ug/kg wet	4000		75.3	19.5-106.2	1.94	39.8	09/08/2015	
is(2-chloroethoxy)methane	1650	200	ug/kg wet	2000		82.6	36.6-95.2	3.06	29.9	09/08/2015	<u></u>
s(2-ehloroethyl)ether	1340	100	ug/kg wet	2000		67.2	32.5-89.4	0.955	30.4	09/08/2015	
is(2-chloroisopropyl)ether	1320	100	ug/kg wet	2000		65.8	24.1-100.9	0.521	27.6	09/08/2015	
is(2-ethylhexyl)phthalate	1670	250		2000		83.3	48.4-121.6	7.65	~~~~	09/08/2015	
	1770	250	ug/kg wet	2000		88.4	49.5-117.3	5.68	26.1		
utyl benzyl phthalate arbazole	1530	250	ug/kg wet ug/kg wet	2000		CO.		1.17	26.6	09/08/2015	
***************************************				······································		76.6	45.9-110.5		27.5	09/08/2015	
hrysene	1740	100	ug/kg wet	2000		87.2	54-109.3	1.82	24.4	09/08/2015	
ibenz[a,h]anthracene	1680	200	ug/kg wet	2000		83.8	32.7-127	0.365	40.3	09/08/2015	
ibenzofuran	1550	250	ug/kg wèt	2000		77.4	45.8-99.3	2.80	25.7	09/08/2015	
iethylphthalate	1680	250	ug/kg wet			84.1	49.6-110.7	3.98	28.4	09/08/2015	
imethyl phthalate	1650	250	ug/kg wet	2000		82.6	51-104.6	1.80	26.5	09/08/2015	
-n-butyl phthalate	1640	250	ug/kg wet	2000		82.0	53:5-114.4	3.77	25.4	09/08/2015	
i-n-octyl phthalate	1540	250	ug/kg wet	2000		77.0	49.8-123.9	2.68	26.6	09/08/2015	
uorantliene	1470	100	ug/kg wet	2000		73.7	48.8-112.4	2.68	27.9	09/08/2015	
uorene	1600	100	ug/kg wet	2000		80.0	45.9-103.5	3.82	25.2	09/08/2015	
exachlorobenzene	1670	200	ug/kg wet	2000		83.4	46,4-109,9	1.21	25.9	09/08/2015	
exachlorobutadiene	1430	100	ug/kg wet	2000		71.3	30.2-96.2	3.47	29.9	09/08/2015	
exachlorocyclopentadiene	1440	1000	ug/kg wet	2000		71.9	16.5-91.7	0.0367	32.1	09/08/2015	
exachloroethane					communication contractions and a substitute of	graphy although stages and an enterprise processors and in	30.4-82.9				



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

				Spike	Source	4/550	%REC	nn	RPD	A	0110
Analyte	Result	RL	Units	Level	Result	%REC	Limits	RPD	Limit	Analyzed	Qualifier
Batch B5H2808 - Method:	3545 Soil SV	OC_		Prepare	d: 08/31/20	15					
.CS Dup (B5H2808-BSD1)											
sophorone	1500	100	ug/kg wet	2000		74.8	35.3-93.1	3.67	30.4	09/08/2015	
Naphthalene	1430	100	ug/kg wet	2000		71.5	36.2-91.2	2.49	27.4	09/08/2015	
Vitrobenzene	1430	200	ug/kg wet	2000		71.7	38.1-92.5	1.92	30.6	09/08/2015	
I-Nitrosodimethylamine	1180	250	ug/kg wet	2000		59.2	15:1-103.7	0.352	34.2	09/08/2015	
I-Nitrosodi-n-propylamine	1510	200	ug/kg wet	2000		75.4	37.8-95.4	0.589	31.3	09/08/2015	
I-Nitrosodiphenylamine	1640	200	ug/kg wet	2000		81.9	24.3-135.2	0.670	49.3	09/08/2015	
entachlorophenol	2860	1700	ug/kg wet	4000		71.4	10-112.1	2.66	56	09/08/2015	
henanthrene	1670	100	ug/kg wet	2000		83.6	50.9-105.9	3.53	23.3	09/08/2015	
'henol	2910	330	ug/kg wet	4000		72.7	32.4-98.4	0.386	28.8	09/08/2015	
yrene	1910	100	ug/kg wet	2000		95.6	46.2-113.7	5.11	27.9	09/08/2015	
urrogate: 2,4,6-Tribromophenol	3270	•	ug/kg wet	4000		81.7	20.3-115			09/08/2015	
urvogate: 2:Fluorobiphenyl	1480		ug/kg wet	2000		73.9	32.9-115			09/08/2015	
Surrogate: 2-Fluorophenol	2530		ug/kg wet	4000		63.3	23.7-115			09/08/2015	
urrogate: Nitrohenzene-d5	1380		ug/kg wet	2000		. 69.0	31.8-115			09/08/2015	
urrogate: Phenol-d6	2810		ug/kg wet	4000		70.3	29.3-115			09/08/2015	
urrogate: p-Terphenyl-d14	1710		ug/kg wet	2000		85.3	38.5-115			09/08/2015	
Matrix Spike (B5H2808-MS1)	Sourc	e: 150822	23-04								,
.2.4-Trichlorobenzene	3510	5700	ug/kg dry	5716	ND	61.4	33.5-99.6			09/08/2015	 (,
4.5-Trichlorophenol	6440	9400	ug/kg dry	11430	- ND	56.3	41.3-129.6			09/08/2015	
,4,6-Trichlorophenol	ND	9400	ug/kg dry	11430	ND		37.8-122.8			09/08/2015	
4-Dichlorophenol	- 5830	9400	ug/kg dry	11430.	ND	51.0	40.1-115.1			09/08/2015	
,4-Dimethylphenol	ND	9400	ug/kg dry	11430	ND	B	22.5-117.9			09/08/2015	and the second s
4-Dinitrophenol	21000	49000	ug/kg dry	11430	ND	184	10-200.9			09/08/2015	
.4-Dinitrotoluene	3560	7100	ug/kg dry	5716	ND	62.3	48.4-117.6			09/08/2015	
,6-Dinitrotaluene	3490	7100	ug/kg dry	5716	ND	61.0	50.3-113.1			09/08/2015	
-Chloronaphthalene	3790	5700	ug/kg dry	5716	ND	66.2	43.9-103.9		-	09/08/2015	
-Chlorophenol	6270	9400	ug/kg dry	11430	· ND	54.8	34.9-99.2			09/08/2015	
-Methyl-4,6-dinitrophenol	3890	49000	ug/kg dry	11430	ND	34. I	12.3-124.3		Sec. 2000015-002	09/08/2015	
-Methylnaphthalene	4000	7100	ug/kg dry	5716	ND	69.9	31.4-113.4			09/08/2015	
-Methylphenol (o-Cresol)	ND	9400	ug/kg dry	11430	ND		36.3-108.1			09/08/2015	
-Nitroaniline	3140	14000	ug/kg dry	5716	ND	54,9	49-109.6			09/08/2015	
!-Nitrophenol	6800	9400	ug/kg dry	11430	ND	59.5	29.6-108.7			09/08/2015	
& 4-Methylphenol	ND	19000	ug/kg dry	11430	ND		35.7-109.9			09/08/2015	
-Nitroaniline	1460	14000	ug/kg dry	5716	ND	25.5	10-113.7		,	09/08/2015	
-Bromophenyl phenyl ether		5700	ug/kg dry	5716	ND	76.9	47.2-120.7			09/08/2015	
-Chloro-3-methyl-phenol	ND	5700	ug/kg dry	11430	ND		42.6-122.7		2	09/08/2015	
-Chlorodiphenylether	3940	2900	ug/kg dry	5716	ND	69.0	45.9-113.6			09/08/2015	
-Nitroaniline	1940	14000	ug/kg dry	5716	ND	33.9	10-120.8			09/08/2015	
-Nitrophenol	4250	49000	ug/kg dry	11430	ND	37.1	10-187.7			09/08/2015	
	4420	2900		5716	ND	77.4	41.1-113.8			09/08/2015	
Acenaphthene	4470	2900	ug/kg dry ug/kg dry	5716	ND	78.3	46.8-117.3			09/08/2015	
cenaphthylene	the second second		and the second second second second	***************************************		alata kan da kan da kan da kan da kan da kan da kan da kan da kan da kan da kan da kan da kan da kan da kan da	33.6-131			09/08/2015	
Anthracene	7050	2900	ug/kg dry	5716	3630	59.9 71.2	44.1-120.3			09/08/2015	
Azobenzene	4070	5700	ug/kg dry	5716	ND		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			and the contract of the contra	
Benz[a]anthracene	17400	2900	úg/kg dry	5716	20000	-45.7 -6.07	32.3-137.5			09/08/2015	A
Benzo[a]pyrene	16800	5700	ug/kg dry	5716	17200	-6.97	33.4-140			09/08/2015	Ą
Benzo[b]fluoranthene	22600	5700	ug/kg dry	5716	26100	-61.0	22.2-153.3			09/08/2015	E'



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

				Spike	Source		%REC		RPD		
Analyte	Result	RL	Units	Level	Result	%REC	Limits	RPD	Limit	Analyzed	Qualifier
Batch B5H2808 - Method: 3	3545 Soil SV	OC		Prepare	ed: 08/31/20	15					
Iatrix Spike (B5H2808-MS1)	Source	e: 150822	23-04								
enzo[k]fluoranthene	10900	5700	ug/kg dry	5716	7460	60.3	34.8-138.7			09/08/2015	-
enzyl Alcohol	7030	71000	ug/kg dry	11430	ND	61.5	10-117.7			09/08/2015	
is(2-chloroethoxy)methane	4150	5700	ug/kg dry	5716	ND	72.5	35.6-102.7	enterior again		09/08/2015	
is(2-chloroethyl)ether	3330	2900	ng/kg dry	5716	ND	58.2	30.5-96.2			09/08/2015	
is(2-chloroisopropyl)ether	3430	2900	ug/kg dry	5716	ND	60.0	21.5-108	****		09/08/2015	
is(2-ethylhexyl)phthalate	4050	7100	ug/kg dry	5716	ND	70.9	10-181.4			09/08/2015	
utyl benzyl phthalate	4210	7100	ug/kg dry	5716	ND	73.6	43.2-137			09/08/2015	
arbazole	4850	7100	ug/kg dry	5716	ND	84.8	40-128:2			09/08/2015	
hrysene	18200	2900	ug/kg dry	5716	20400	-38.1	34.2-135.8			09/08/2015	A0
ibenz[a,h]anthracene	6440	5700	ug/kg dry	5716	ND	113	15.1-151.4			09/08/2015	
ibenzofuran	4500	7100	ug/kg dry	5716	ND	78.7	39.8-117.2	************		09/08/2015	
iethylphthalate	4020	7100	ug/kg dry	5716	ND	70.3	45-120			09/08/2015	
imethyl phthalate	4030	7100	ug/kg dry	5716	ND	70.6	50.1-110			09/08/2015	
i-n-butyl phthalate	4060	7100	ug/kg dry	5716	ND	71.1	49.9-123.5			09/08/2015	
i-n-octyl phthalate	3690	7100	ug/kg dry	5716	ND	64.6	46.5-133.9			09/08/2015	
noranthene	30300	2900	ug/kg dry	5716	37900	-132	15.2-153			09/08/2015	A0
luorene	5070	2900	ug/kg dry	5716	ND	88.7	40.2-118.3			09/08/2015	
xachlorobenzene	4470	5700	ug/kg dry	5716	ND	78.2	44:8-119.4			09/08/2015	
exachlorobutadiene	3600	2900	ug/kg dry	5716	ND	62.9	28.5-103.4			09/08/2015	
exachlorocyclopentadiene	7860	29000	ug/kg dry	5716	ND	138	10-150.4			09/08/2015	
exachloroethane	3110	2900	ug/kg dry	5716	ND	54.4	17.5-94.5			09/08/2015	
deno(1,2,3-c,d)pyrene	11600	5700	ug/kg dry	5716	9160	42.5	18.8-148.7			09/08/2015	
ophorone	3440	2900	ug/kg dry	5716	ND	60.3	32.7-100.5			09/08/2015	
aphthalene	4060	2900	ug/kg dry	5716	ND	71.0	26,4-107.8			09/08/2015	
itrobenzene	3530	5700	ug/kg dry	5716	ND	61.8	35.6-100.3			09/08/2015	
-Nitrosodimethylamine	2900	7100	ug/kg dry	5716	ND	50.8	10-108.9			09/08/2015	
-Nitrosodi-n-propylamine	3630	5700	ug/kg dry	5716	ND	63.5	31.1-108.4			09/08/2015	
-Nitrosodiphenylamine	2940	5700	ug/kg dry	5716	ND	51.4	41.3-138.2			09/08/2015	
entachlorophenol	21800	49000	ug/kg dry	11430	ND	190	10-187.3			09/08/2015	7
ienanthrene	18600	2900	ug/kg dry	5716	17900	12.5	23.1-144.2			09/08/2015	A0
henol	6150	9400	ug/kg dry	11430	ND	53.8	34-103.7	and the second second second		09/08/2015	
yrene	28000	2900	ug/kg dry	5716	34500	-114	24.1-148.9			09/08/2015	- A0
urrogate: 2,4,6-Tribromophenol	4750		na/ka dar	11430		41.6	20.3-115		-	09/08/2015	
grogate: 2-Fluorobiphenyl	3680	~~	ug/kg dry	5716		64.4	32.9-115	•			Y
urrogate: 2-Fluorophenol	4620		ug/kg dry	11430						09/08/2015	
urrogate: Nitrobenzene-d5			ug/kg dry			40.4	23.7-115			09/08/2015	
	3260		ug/kg dry			57.0	31.8-115			09/08/2015	
urrogate: Phenol-d6	5920		ug/kg dry	11430		51.8	29.3-115			09/08/2015	
rrogate: p-Terphenyl-d14	4170		ug/kg dry	5716		72.9	38:5-115			09/08/2015	
latrix Spike Dup (B5H2808-MSD1)	Sourc	e: 150822	3-04								
2,4-Trichlorobenzene	3320	5700	ug/kg dry	5716	ND	58.1	33.5-99.6		38.3	09/08/2015	
4,5-Trichlorophenol	5840	9400	ug/kg dry	11430	ND	51.1	41.3-129.6		65.3	09/08/2015	
4,6-Trichlorophenol	ND	9400	ug/kg dry	11430	ND		37.8-122.8		65.8	09/08/2015	7
4-Dichlorophenol	5180	9400	ug/kg dry	11430	-ND	45,3	40.1-115.1		38.8	09/08/2015	
4-Dimethylphenol	ND	9400	ug/kg dry	11430	ND		22.5-117.9		47.2	09/08/2015	7
4-Dinitrophenol	20900	49000	ug/kg dry	11430	ND	183	10-200.9		65	09/08/2015	
4-Dinitrotoluene	3120	7100	ug/kg dry	5716	- ND	54.6	48.4-117.6	aran aran da da da da da da da da da da da da da	34.1	09/08/2015	and the second second
6-Dinitrotoluene	3320	7100	ug/kg dry	5716	ND	58.1	50.3-113.1		32.8	09/08/2015	



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Analyzed	Qualifier
Batch B5H2808 - Method: 354	5 Soil SV	OC		Prepare	ed: 08/31/20	15					
Matrix Spike Dup (B5H2808-MSD1)	Sourc	e: 150822	3-04								
2-Chloronaphthalene	3500	5700	ug/kg dry	5716	ND	61.2	43.9-103.9		33.4	09/08/2015	
-Chlorophenol	5740	9400	ug/kg dry	11430	ND	50.2	34.9-99.2		46	09/08/2015	
-Methyl-4,6-dinitrophenol	3350	49000	ug/kg dry	11430	ND	29.3	12.3-124.3	***************************************	60	09/08/2015	
-Methylnaphthalene	3720	7100	ug/kg dry	5716	ND	65.0	31.4-113.4	7.25	35.6	09/08/2015	
-Methylphenol (o-Cresol)	ND	9400	ug/kg dry	11430	ND		36.3-108.1		37.5	09/08/2015	V
-Nitroaniline	2860	14000	ug/kg dry	5716	ND	50.0	49-109.6		34.4	09/08/2015	
-Nitrophenol	6230	9400	ug/kg dry	11430	ND	54.5	29.6-108.7	***************************************	60.3	09/08/2015	***************************************
& 4-Methylphenol	ND.	19000	ug/kg dry	11430	ND	1.	35.7-109.9		62.3	09/08/2015	V
-Nitroaniline	ND	14000	ug/kg dry	5716	ND		10-113.7		67.6	09/08/2015	V
-Bromophenyl phenyl ether	3920	5700	ug/kg dry	5716	ND	68.7	47.2-120.7		32.4	09/08/2015	
-Chloro-3-methyl-phenol	ND	5700	ug/kg dry	11430	ND		42.6-122.7		44.7	09/08/2015	V
-Chlorodiphenylether	3620	2900	ug/kg dry	5716	ND	63.4	45.9-113.6	8.42	33.1	09/08/2015	
-Nitroaniline	1500	14000	ug/kg dry	5716	ND	26.2	10-120.8		67.8	09/08/2015	
-Nitrophenol	3630	49000	ug/kg dry	11430	ND	31.7	10-187.7		56.4	09/08/2015	
Acenaphthene	4310	2900	ug/kg dry	5716	ND	75.4	41.1-113.8	2.60	32.4	09/08/2015	
cenaphthylene	4150	2900	ug/kg dry	5716	ND	72.6	46.8-117.3	7.52	32.4	09/08/2015	
unthracene	5900	2900	ug/kg dry	5716	3630	39.7	33.6-131	17.8	49.4	09/08/2015	
zobenzene	3730	5700	ug/kg dry	5716	ND	65.3	44.1-120.3		34	09/08/2015	
enz[a]anthracene	17200	2900	ug/kg dry	5716	20000	-49.0	32.3-137.5	1.10	47.3	09/08/2015	
enzo[a]pyrene	16400	5700	ug/kg dry	5716		-15.4	33.4-140	2.90	45	09/08/2015	A03
Benzo[b]fluoranthene	22600	5700	ug/kg dry	5716	26100	-60.4	22.2-153.3	0.163	45.7	09/08/2015	A03
Senzo[g,lt,i]perylene	12300	5700	ug/kg dry	5716		49.3	11.3-135		45	09/08/2015	
Benzo[k]fluoranthene	11600	5700	ug/kg dry	5716	7460	72.3	34.8-138.7	6,08	41	09/08/2015	
Senzyl Alcohol	6620	71000	ug/kg dry	11430	ND	57.9	10-117.7	0.00	49	09/08/2015	
lis(2-chloroethoxy)methane	3870	5700	ug/kg dry	5716	ND	67.7	35.6-102.7		37.1	09/08/2015	
tis(2-chloroethyl)ether	3390	2900	ug/kg dry	5716	ND	59.2	30.5-96.2	1.73	39	09/08/2015	*
	3290	2900		5716	ND	57.5	21.5-108	4.29	39.7	09/08/2015	
Bis(2-chloroisopropyl)ether	3900		ug/kg dry		ND		10-181.4	4.29	65.4	09/08/2015	
Bis(2-ethylhexyl)phthalate		7100	ug/kg dry	5716		00.4					
Butyl benzyl phthalate	ND 4600	7100	ug/kg dry	5716	ND	bo d	43.2-137		37.9	09/08/2015	A03
Carbazole	4620	7100	ug/kg dry	5716	ND	80.8	40-128.2	2.00	32.7	09/08/2015	4.02
Chrysene	17700	2900	ug/kg dry	5716	20400	-47.2	34.2-135.8	2.88	45.5	09/08/2015	A03
Dibenz[a/h]anthracene	6430	5700	ug/kg dry	5716	ND	113	15,1-151.4	0.213	64.9	09/08/2015	
Dibenzofuran	4100	7100	ug/kg dry	5716	ND	71.8	39.8-117.2		33.5	09/08/2015	
Diethylphthalate	3680	7100	ug/kg dry	5716	ND -	64.4	45-120		35.2	09/08/2015	
Dimethyl phthalate	3730	7100	ug/kg dry	5716	ND	65.3	50.1-110		31.6	09/08/2015	
li-n-butyl phthalate	3740	7100	ug/kg dry	5716	ND	65.5	49.9-123.5		32.4	09/08/2015	
Di-n-octyl phthalate	3370	7100	ug/kg dry	5716	ND	59.0	46.5-133.9		62	09/08/2015	
luoranthene	28400	2900	ug/kg dry	5716	37900	-165	15.2-153	6:47	53.9	09/08/2015	A03
luorene	4630	2900	ug/kg dry	5716	ND	81.0	40.2-118.3	9.02	36.8	09/08/2015	
lexachlorobenzene	3960	5700	ug/kg dry	5716	ND	69.3	44,8-119.4		36.1	09/08/2015	
Iexachlorobutadiene	3430	2900	ug/kg dry	5716	ND	60.0	28.5-103.4	4.74	40.4	09/08/2015	
lexachlorocyclopentadiene	7690	29000	ug/kg dry	5716	ND -		10-150.4		65	09/08/2015	
Hexachloroethane	3090	2900	ug/kg dry	5716	ND	54.0	17.5-94.5	0.649	46.6	09/08/2015	
ndeno(1,2,3-c,d)pyrene	12100	5700	ug/kg dry	5716	9160	51.4	18:8-148.7	4.29	46.1	09/08/2015	
sophorone	3330	2900	ug/kg dry	5716	ND	58.3	32.7-100.5	3.33	38.5	09/08/2015	
laphthalene	3980	2900	ug/kg dry	5716	ND	69.6	26.4-107.8	2.02	36.8	09/08/2015	
Vitrobenzene	3240	5700	ug/kg dry	5716	ND	56.6	35.6-100.3		39.4	09/08/2015	(
I-Nitrosodimethylamine	2620	7100	ug/kg dry	5716	ND	45.8	10-108.9		54.7	09/08/2015	



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Analyzed	. Qualifier
Batch B5H2808 - Method: 354	5 Soil SV	ос		Prepare	ed: 08/31/20	15					
Matrix Spike Dup (B5H2808-MSD1)	Sour	ce: 150822	23-04								
N-Nitrosodi-n-propylamine	3480	5700	ug/kg dry	5716	ND	60.8	31.1-108.4		37.9	09/08/2015	
N-Nitrosodiphenylamine	2550	5700	ug/kg dry	5716	ND:	44.6	41.3-138.2		35.8	09/08/2015	
Pentachlorophenol	21300	49000	ug/kg dry	11430	ND	186	10-187.3		77.9	09/08/2015	
Phenanthrene	17000	2900	ug/kg dry	5716	17900	-15.3	23.1-144.2	8.95	52.6	09/08/2015	/ A0
Phenol	5550	9400	ug/kg dry	11430	ND	48.6	34-103.7		60.7	09/08/2015	
Pyrene	29000	2900	ug/kg dry	5716	34500	-96.7	24.1-148.9	3.52	53.6	-09/08/2015	A0
Surrogate: 2,4,6-Tribromophenol	4020		ug/kg dry	11430		35. I	20.3-115			09/08/2015	
Surrogate: 2-Fluorobiphenyl	3410		ug/kg dry	5716		59.7	32.9-115			09/08/2015	
Surrogate: 2-Fluorophenol	3930		ug/kg dry	11430		34.4	23.7-115			09/08/2015	
Storogate: Nitrobenzene-d5	3200		ug/kg dry	5716		56.0	31.8-115			-09/08/2015	
Surrogate: Phenol-d6	5370		ug/kg dry	11430		46.9	29.3-115		***************************************	09/08/2015	
Surrogate: p-Terphenyl-d14	3980		ug/kg dry	5716		69.6	38.5-115			09/08/2015	



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

Organics-Pesticides - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Analyzed	Qualifier
Batch B5H3117 - Method: 35	545 Soil Pest	/PCB		Prenare	ed: 09/01/201	5			_		
	545 50H 1 C3U	T CB		· zzopu.							
Blank (B5H3117-BLK1)										00/00/0015	
,4'-DDT	ND	20	ug/kg wet							09/09/2015 09/09/2015	
4'-DDD	ND	20	ug/kg wet							09/09/2015	
4'-DDE	ND	20 20	ug/kg wet ug/kg wet							09/09/2015	
4'-DDT BHC	ND ND	10								09/09/2015	
Chlordane .	ND ND	20	ug/kg wet ug/kg wet			-				09/09/2015	
drin	ND	20	ug/kg wet							09/09/2015	
BHC	ND	20	ug/kg wet							09/09/2015	
ВНС	· ND	20	ug/kg wet							09/09/2015	<u> </u>
eldrin	ND	20	ug/kg wet							09/09/2015	
dosulfan I	ND	20	ug/kg wet							09/09/2015	
dosulfan II	ND	20	ug/kg wet							09/09/2015	
dosulfan sulfate	ND	20	ug/kg wet	,			••••			09/09/2015	•••
drin .	ND	20	ug/kg wet							09/09/2015	
drin aldehyde	ND	20	ug/kg wet		2					09/09/2015	
ndrin ketone	ND	20	ug/kg wet							09/09/2015	
BHC (Lindane)	ND	20	ug/kg wet				***************************************			09/09/2015	
Chlordane	ND	20	ug/kg wet							09/09/2015	1
ptachlor	ND	20	ug/kg wet							09/09/2015	
eptachlor epoxide	ND	20	ug/kg wet							09/09/2015	
exabromobenzene	ND	100	ug/kg wet	•						09/09/2015	
ethoxychlor	ND	50	ug/kg wet							09/09/2015	
irex	ND	50	ug/kg wet			en en en en en en en en en en en en en e			and the second second	09/09/2015	
BB (BP-6)	ND	250	ug/kg wet				***************************************			09/09/2015	
xaphene	ND	170	ug/kg wet							09/09/2015	
rrogate: Decachlorobiphenyl	85.7		ug/kg wet	100.0		85.7	30-150			09/09/2015	
	78.4			100.0		78.4	30-150			09/09/2015	
rrogate: Tetrachloro-m-xylene	76.4		ug/kg wet	100.0		70.4	30-130			09/09/2015	
CS (B5H3117-BS1)	26.2	20		100.0		96.2	50 120			00/00/2015	
4'-DDT	86.2	20	ug/kg wet	100.0		86.2	50-120			09/09/2015	
r-DDD	86.1	20-	ug/kg wet			86:1	50-120			09/09/2015	
4'-DDE	80.2	20	ug/kg wet	100.0		80.2	50-150			09/09/2015	
i-DDT	88.1	20	ug/kg wet	100.0		88:1	50-120	<u></u>		09/09/2015	
BHC	81.6	10	ug/kg wet	100.0		81.6	50-120			09/09/2015	
Chlordane	82.1	20	ug/kg wet			82.1	30-130			09/09/2015	
drin	80.5	20	ug/kg wet	100.0		80.5	30-120			09/09/2015	
BHC	84:1	20.	ug/kg wet	100.0		84.1	50-120			09/09/2015	
ВНС	80.7	20	ug/kg wet	100.0		80.7	50-120			09/09/2015	
eldrin		20	ug/kg wet			83.1	30-130			09/09/2015	
ndosulfan I	69.3	20	ug/kg wet	100.0		69.3	50-120			09/09/2015	
	76.4	20	ug/kg wet	100.0		76.4	50-120			09/09/2015	
ndosulfan sulfate	87.8	20	ug/kg wet	100.0		87.8	50-120			09/09/2015	
ndrin	87.4	20	ug/kg wet	100.0		87.4	50-120		1:52	09/09/2015	
ndrin aldehyde	74.2	20	ug/kg wet	100.0		74.2	30-120			09/09/2015	
ndrin ketone	90.7	20	ug/kg wet	100.0		90.7	50-120			09/09/2015	
			//	100.0		82.0	50-120			09/09/2015	
BHC (Lindane)	82.0	20	ug/kg wet	100.0	***************************************	0Z.V	20-120			09/09/2013	
BHC (Lindane) Chlòrdane	82.0 83.1	20	ug/kg wet	100.0		83.1	50-120			09/09/2015	



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Organics-Pesticides - Quality Control

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Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Analyzed	Qualifier
Satch B5H3117 - Method: 3	3545 Soil Pest	t/PCB		Prepare	ed: 09/01/20)15			-		
CS (B5H3117-BS1)	-										
Ieptachlor epoxide	84.4	20	ug/kg wet	100.0		84,4	30-130			09/09/2015	
lexabromobenzene	83.1	100	ug/kg wet	100.0		83.1				09/09/2015	
lethoxychlor	85.7	50	ug/kg wet	100.0		85.7	50-120			09/09/2015	
firex	82.2	50	ug/kg wet	100.0		82.2	50-120			09/09/2015	
BB (BP-6)	76.9	250	ug/kg wet	100.0		76.9	50-120			09/09/2015	
urrogate: Decachlorobiphenyl	86.7		ug/kg wet	100.0		86.7	30-150			09/09/2015	
urrogate: Tetrachloro-m-xylene	77.0		ug/kg wet	100.0		77.0	30-150			09/09/2015	***************************************
CS Dup (B5H3117-BSD1)	•										
4'-DDT	83.6	20	ug/kg wet	100.0		83.6	50-120	3.07	30	09/09/2015	
4'-DDD	83.4	20:	ug/kg wet	100.0		83.4	50-120	3.13	. 30	09/09/2015	
4'-DDE	78.6	20	ug/kg wet	100.0		78.6	50-150	1.98	30	09/09/2015	
4'-DDT	85.7	20	ug/kg wet	100.0		85.7	50-120	2.72	30	09/09/2015	
внс	78.8	10	ug/kg wet	100.0		78.8	50-120	3.42	30	09/09/2015	
Chlordane	79.8	20	ug/kg wet	100.0	i .	79.8	30-130	2.80	30	09/09/2015	
ldrin	78.1	20	ug/kg wet	100.0		78.1	30-120	3.05	30	09/09/2015	
BHC	81.6	20	ug/kg wet	100.0		76.1 **** 81.6	50-120	3.00	30	09/09/2015	
внС	79.3	20	ug/kg wet	100.0		79.3	50-120	1.78	30	09/09/2015	
Eldrin	80.3	20	ug/kg wet	100.0		79.3 80.3	30-120		30		
idosulfan I	66,2	20	ug/kg wet	100.0				3.35		09/09/2015	
ndosulfan II	72.7	20				66.2	50-120	4.61	30	09/09/2015	
ndosulfan sulfate		and the second	ug/kg wet	100.0		72.7	50-120	4.93	30	09/09/2015	
	85.7	20	ug/kg wet	100.0		85.7	50-120	2.41	30	09/09/2015	
ndrin	84.7	20	ug/kg wet	100.0		84.7	50-120	3.16	30	09/09/2015	
ndrin aldehyde	72.1	20	ug/kg wet	100.0		72.1	30-120	2.90	30	09/09/2015	
ndrin ketone	87.9	20	ug/kg wet	100.0		87.9	50-120	3.20	30	09/09/2015	
BHC (Lindane)	79.7	20	ug/kg wet	100.0		79.7	50-120	2.83	30	09/09/2015	
Chlordane	80.8	20	ug/kg wet	100.0		80.8	50-120	2.80	30	.09/09/2015	
eptachlor	83.8	20	ug/kg wet	100.0		83.8	50-120	3.40	30	09/09/2015	
eptachlor epoxide	81.9	20	ug/kg wet	100.0		81.9	30-130	2.98	- 30	09/09/2015	
exabromobenzene	81.3	100	ug/kg wet	100.0		81.3	50-120	2.15	30	09/09/2015	
ethoxychlor	83.2	50	ug/kg wet	100.0		83.2	50-120	2.95	30	09/09/2015	
lirex	80.0	50	ug/kg wet	100.0		80.0	50-120	2.75	30	09/09/2015	
3B (BP-6)	75.3	250	ug/kg wet	100.0		75.3	50-120	2.03	30	09/09/2015	
errogate: Decachlorobiphenyl	85.5		ug/kg wet	100.0		85.5	30-150			09/09/2015	
nrogate: Tetrachloro-m-xylene	75.5		ug/kg wet	100.0		75.5	30-150			09/09/2015	
(atrix Spike (B5H3117-MS1)	Source	: 150822	3-04								
4'-DDT	ND	1100	ug/kg dry	285.8	1210	-424	50-120			09/15/2015	
4'-DDD	510	1100	ug/kg dry	285.8	454	19.9	50-120			09/15/2015	
4'-DDE	ND	1100	ug/kg dry	285.8	3520	-1230	50-150			09/15/2015	
4'-DDT	ND	1100	ug/kg dry	285.8	5600	-1960	50-120			09/15/2015	
внс	226	570	ug/kg dry	285.8	ND	79.2	·/····································				
Chlordane	226	1100	ug/kg dry	285.8			50-120			09/15/2015	
ldrin	452			····	ND ND	102	30-130			09/15/2015	
		1100	ug/kg dry	285.8	ND	158	30-120			09/15/2015	A04,
BHC	tion and the second of the sec	1100	ug/kg dry	285.8	ND	72.3	50-120			09/15/2015	
BHC ·	271	1100	ug/kg dry	285.8	ND	94.9	50-120			09/15/2015	
eldrin :	204	1100	ug/kg dry	285.8	ND	71.5	30-130			09/15/2015	
idosulfan I	201	1100	ug/kg dry	285.8	ND	70.2	50-120			09/15/2015	



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

Organics-Pesticides - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Analyzed	Qualifier
Batch B5H3117 - Method: 3	545 Soil Pes	t/PCB		Prepare	ed: 09/01/20	15			•		
Matrix Spike (B5H3117-MS1)	Sour	e: 150822	3-04								
ndosulfan II	325	1100	ug/kg dry	285.8	ND	114	50-120			09/15/2015	
ndosulfan sulfate	277	1100	ug/kg dry	285.8	ND	96.8	50-120			09/15/2015	
ndrin	235	1100	ug/kg dry	285.8	ND	82.1	50-120			09/15/2015	
ndrin aldehyde	221	1100	ug/kg dry	285.8	ND	77.3	30-120			09/15/2015	
ndrin ketone	401	1100	ug/kg dry	285.8	ND	140	50-120			09/15/2015	A04,
-BHC (Lindane)	260	1100	ug/kg dry	285.8	ND	90.9	50-120			09/15/2015	
-Chlordane	228	1100	ug/kg dry	285.8	ND	79.8	50-120	*****		09/15/2015	
eptachlor	237	1100	ug/kg dry	285.8	ND	82.8	50-120			09/15/2015	
leptachlor epoxide	235	1100	ug/kg dry	285.8	ND	82.3	30-130			09/15/2015	***
fexabromobenzene	149	5700	ug/kg dry	285.8	ND	52.0	50-120			09/15/2015	
fethoxychlor	519	2900	ug/kg dry	285.8	ND	182	50-120			09/15/2015	A04, A07
lirex	245	2900	ug/kg dry	285.8	ND	85.6	50-120			09/15/2015	
BB (BP-6)	283	14000	ug/kg dry	285.8	ND	99.1	50-120			09/15/2015	
urrogate: Depachlorobiphenyl	0.00		ug/kg dry	285.8			30-150			09/15/2015	
urrogate: Tetrachloro-m-xylene	185		ug/kg dry	285.8		64.8	30-150			09/15/2015	
Iatrix Spike Dup (B5H3117-MSD1)	Sour	ee: 150822	3-04								
4'-DDT	ND	1100	ug/kg dry	285.8	1210	-424	50-120		30	09/15/2015	 (
4'-DDD	659	1100	ug/kg dry	285.8	454	71.9	50-120	25.4	30	09/15/2015	
4'-DDE	ND	1100	ug/kg dry	285.8	3520	-1230	50-150		30	09/15/2015	
4'-DDT	ND	1100	ug/kg dry	285.8	5600	-1960	50-120		30	09/15/2015	
-BHC	279	570	ug/kg dry	285.8	ND	97.7	50-120	20.9	30	09/15/2015	
Chiordane	336	1100	ug/kg dry	285.8	ND	118	30-130	14.4	30	09/15/2015	
ldrin	396	1100	ug/kg dry	285.8	ND	139	30-120	13.1	30	09/15/2015	A04,
BHC	254	1100	ug/kg dry	285.8	ND	88.9	50-120	20.7	30	09/15/2015	
-BHC	302	1100	ug/kg dry	285.8	. ND	106	50-120	10.6	30	09/15/2015	
liëldrin	249	1100	ug/kg dry	285.8	ND	87.1	30-130	19.6	30	09/15/2015	
ndosulfan I	265	1100	ug/kg dry	285.8	ND	92.6	50-120	27.4	30	09/15/2015	
ndosulfan II	326	1100	ug/kg dry	285.8	ND	114	50-120	0,297	30	09/15/2015	
ndosulfan sulfate	294	1100	ug/kg dry	285.8	ND	103	50-120	6.24	30	09/15/2015	
ndrin	274	1100	ug/kg dry	285.8	ND	96.0	50-120	15.6	30	09/15/2015	
ndrin aldehyde	250	1100	ug/kg dry	285.8	ND	87.5	30-120	12.4	30	09/15/2015	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
ndrin ketone	341	1100	ug/kg dry	285.8	ND	119	50-120	16.2	. 30	09/15/2015	
-BHC (Lindane)	274	1100	ug/kg dry	285.8	ND	95.8	50-120	5.20	30	09/15/2015	
Chlordane	289	1100	ug/kg dry	285.8	ND	101	50-120	23.4	30	09/15/2015	
eptachlor	265	1100	ug/kg dry	285.8	ND	92.7	50-120	11.3	30	09/15/2015	
eptachlor epoxide	296	1100	ug/kg dry	285.8	ND	104	30-130	22.8	30	09/15/2015	
exabromobenzene	197	5700	ug/kg dry	285.8	ND	69.1	50-120	28.1	30	09/15/2015	
lethoxychlor	372	2900	ug/kg dry	285.8	ND	130	50-120	33.2	30	09/15/2015	A04, A07
	7.7	1.5	e-e-,								,
(irex	320	2900	ug/kg dry	285.8	ND	112	50-120	26.6	30	09/15/2015	***************************************
BB (BP-6)	310	14000	ug/kg dry	285.8	ND	108	50-120	8.93	30	09/15/2015	
urrogate: Decachlorobiphenyl	0.00		ug/kg dry	285.8			30-150			09/15/2015	
Surrogate: Tetrachloro-m-xylene	235			285.8		***	30-150				



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

Organics-PCBs as Aroclors - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Analyzed	Qualifier
Batch B5H3117 - Method: 354	5 Soil Pes	t/PCB		Prepare	ed: 09/01/2	015					
Blank (B5H3117-BLK1)											
Aroclor 1016	ND	100	ug/kg wet				-			09/09/2015	
Aroclor 1221	-ND	100	ug/kg wet							09/09/2015	
Aroelor 1232	ND	100	ug/kg wet							09/09/2015	***************************************
Aroclor 1242	ND	100	ug/kg wet							09/09/2015	
Aroclor 1248	ND.	100	ug/kg wet		-					09/09/2015	
Aroclor 1254	ND	100	ug/kg wet							09/09/2015	
Aroclor 1260	ND	100	ug/kg wet						W-1000000000000000000000000000000000000	09/09/2015	
Aroclor 1262	ND	100	ug/kg wet		<u> </u>					09/09/2015	
Aroclor 1268	ND	100	ug/kg wet							09/09/2015	
Surrogate: Decachlorobiphenyl	85.7		ug/kg wet	100.0		85.7	30-150			09/09/2015	
Surrogate: Tetrachloro-m-xylene	78.4		ug/kg wet	100.0		78.4	30-150			09/09/2015	
Matrix Spike (B5H3117-MS1)	Source	e: 150822	3-04								
Aroclor 1016	ND	5700	ug/kg dry		ND		29-135			09/15/2015	
Aroclor 1260	ND	5700	ug/kg dry		ND		29-135			09/15/2015	
Surrogate: Decachlorobiphenyl	0.00		ug/kg dry	285.8			30-150			09/15/2015	
Surrogate: Tetrachloro-m-xylene	. 185		ug/kg dry	285.8		64,8	30-150			09/15/2015	
atrix Spike Dup (B5H3117-MSD1)	Sourc	e: 150822	3-04								•••••••••••••••••
Aroclor 1016	ND	5700	ug/kg dry		ND		29-135		15	09/15/2015	
Aroclor 1260	ND	5700	ug/kg dry		ND		29-135		20	09/15/2015	
Surrogate: Decachlorobiphenyl	0.00		ug/kg dry	. 285.8			30-150			09/15/2015	
Surrogate: Tetrachloro-m-xylene	235		ug/kg dry	285.8		82.1	30-150			09/15/2015	



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

Inorganics-General Chemistry - Quality Control

	-										
Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Analyzed	Qualifier
Batch B5H2709 - Method: Solid	.s			Prepare	ed: 08/27/20)15			-		
		e: 150822	24-04		,						
Duplicate (B5H2709-DUP1) % Total Solids	91.2	0.1	%		91.7			0.494	20	08/27/2015	
	,										
Batch B510207 - Method: 9013			·	> Prepare	ed: 09/02/20)15					
Blank (B5I0207-BLK1)											
Total Cyanide	ND	0.10	mg/kg wet		-					09/03/2015	
Blank (B5I0207-BLK2)											
Total Cyanide	ND	0.10	mg/kg wet			•				09/03/2015	
LCS (B5I0207-BS1)											
Total Cyanide	0.838	0.10	mg/kg wet	_ 1.000		83.8	80-120		_	09/03/2015	
LCS (B5I0207-BS2)		•									
Total Cyanide	0.876	0.10	mg/kg wet	1.000		87.6	80-120			09/03/2015	
Matrix Spike (B5I0207-MS1)	Sourc	e: 150822	24-06								
Total Cyanide	1.28	0.11	mg/kg dry	1.148	0.403	76.8	70-130			09/03/2015	
Matrix Spike (B5I0207-MS2)	Sourc	e: 150822	25-05								
Total Cyanide	1.56	0.18	mg/kg dry	1.839	0.155	76.1	70-130			09/03/2015	
Matrix Spike Dup (B5I0207-MSD1)	Sourc	e: 150822	24-06								
Total Cyanide	1.22	0.11	mg/kg dry	1.148	0.403	71.6	70-130	4.76	20	09/03/2015	
Matrix Spike Dup (B5I0207-MSD2)	Sourc	e: 150822	25-05								
Total Cyanide	1.49	0.18	mg/kg dry	1.839	0.155	72.5	70-130	4.40	20	09/03/2015	
Reference (B5I0207-SRM1)											
Total Cyanide	89.6	2.5	mg/kg wet	109.0		82.2	21-110		_	09/03/2015	-
•											



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Inorganics-Metals - Quality Control

Result ND	RL 0.3	Units	Spike Level Prepare	Source Result	%REC	%REC Limits	RPD	RPD Limit	Analyzed	Qualifier
ND	0.3		Prepare	J. 00/24/20						
· ·	0.3	,		a: U8/31/2U)15					
· ·	0.3									
	0.5	mg/kg dry							09/08/2015	
				•						
49.3	0.6	mg/kg dry	50.00		98.5	85-115			09/08/2015	
Source:										
37.9	0.6	mg/kg dry	50.00	1.0	73.7	80-120		_	09/08/2015	
										•
			50.00	1.0	81.1	80-120	9.28	20	09/08/2015	
11.0	0.0	mg/ng dry	, 50.00	1.0	01.1	00 120	,,,,,	20	07/00/2015	
								,	•	
			Prepare	ed: 09/01/20	015		•	1		
								-		
NID	0.5	ma/ka dar				 -			09/04/2015	
	ommunication and a second									
ND	0.2	and the Transmission of the					****		09/04/2015	
ND '	0.2	mg/kg dry							09/04/2015	
ND	2.0	mg/kg dry					tempografika emilikada		09/04/2015	
ND	0.5	mg/kg dry					_		09/04/2015	
ND	1.0	mg/kg dry							09/04/2015	
	****	mg/kg dry								

				and the second					war and a second and the second	and the second second
Same and the second of the second	**********								09/04/2015	
ND	0.1	mg/kg dry							09/04/2015	
ND	0.5	mg/kg dry							09/04/2015	
ND:	1.0	mg/kg dry							09/04/2015	-
ND	1.0	mg/kg dry							09/04/2015	
114	5.0	mg/kg dry	100.0		114	85-115			09/04/2015	
103	10	mg/kg dry	100.0		103	85-115			09/04/2015	
102	2.0	mg/kg dry	100.0		102	85-115			09/04/2015	
10.6			***************************************						******************************	
	e consecuence consecuence the co				····	************				
				-						
		and the second s								
108	10	*******************************	100.0	•	108	85-115			09/04/2015	
104	10	***************************************			104	85-115			09/04/2015	
126	10	mg/kg dry	100.0		126	85-115			09/04/2015	
103	10.	mg/kg dry	100.0		103	85-115			09/04/2015	
109	2.0	mg/kg dry	100.0		109	85-115			09/04/2015	
10.4	1.0	mg/kg dry	10.00						and the second second second second	
		******************************			W/					
	ND ND ND ND ND ND ND ND ND ND ND ND ND N	ND 0.5 ND 1.0 ND 0.2 ND 0.2 ND 0.5 ND 1.0 ND 0.5 ND 1.0 ND 0.5 ND 1.0 ND 0.5 ND 1.0 ND	ND	ND	Source: 1508223-14	ND	ND	Source: 1508223-14	Source: 1508223-14	Source: 1508223-14



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Inorganics-Metals - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Analyzed	Qualifier
Batch B510101 - Method: 3050) .			Prepare	ed: 09/01/20	015		_			
LCS (B5I0101-BS1)											
Zinc	109	10	mg/kg dry	100.0		109	85-115			09/04/2015	
Matrix Spike (B5I0101-MS1)	Source	e: 150822	3-14								
Arsenic	126	5.0	mg/kg dry	100.0	9.4 .	116	80-120			09/04/2015	
Sarium	227	10	mg/kg dry	100.0	.114	113	80-120			09/04/2015	
Beryllium	105	2.0	mg/kg dry	100.0	ND	105	80-120			09/04/2015	
admium	12.2	2.0	mg/kg dry	10.00	1.1	110	80-120			09/04/2015	
Chromium	127	20	mg/kg dry	100.0	27.2	100	80-120			09/04/2015	
Cobalt	109	5.0	mg/kg dry	100.0	ND	109	80-120			09/04/2015	
Copper	168	10	mg/kg dry	100.0	61.8	106	80-120			09/04/2015	
on	15600	5.0	mg/kg dry	500.0	13600	394	80-120			09/11/2015	X
ead [*]	382	10	mg/kg dry	100.0	346	36.3	80-120			09/04/2015	X
fanganese (4.00)	409	10	mg/kg dry	100.0	228	181	80-120			09/04/2015	A0
1olybdenum	129	10	mg/kg dry	100.0	ND	129	80-120			09/04/2015	A0
fickel	128	10	mg/kg dry	100.0	21.9	106	80-120			09/04/2015	
elenium	110	2.0	mg/kg dry	100.0	ND	110	80-120	_		09/04/2015	
îlver	11.3	1.0	mg/kg dry	10.00	0.6	107	80-120	ni ingeliji		09/04/2015	
hallium	96.7	5.0	mg/kg dry	100.0	ND	96.7	80-120			09/04/2015	
anadium .	- 123	10	mg/kg dry	100.0	19.5	104	80-120			09/04/2015	
ne	2990	10	mg/kg dry	100.0	5370	-2380	80-120			09/04/2015	Å
Iatrix Spike Dup (B5I0101-MSD1)	Sourc	e: 150822	3-14								
rsenic	121	5.0	mg/kg dry	100.0	9.4	112	80-120	3.58	20	09/04/2015	
arjum	230	10	mg/kg dry	100.0	114	115	80-120	1.26	20	09/04/2015	
eryllium .	104	2.0	mg/kg dry	100.0	ND	104	80-120	0.971	20	09/04/2015	grovens
admium	11.9	2.0	mg/kg/dry	10.00	1.1		80-120	2.23	20	09/04/2015	
Chromium	126	20	mg/kg dry	100.0	27.2	99.0	80-120	0.995	20	09/04/2015	
obalt	106	5.0	mg/kg dry	100.0	ND	106	80-120	2.12	20	09/04/2015	
	159	10	mg/kg dry	100.0	61.8	97.2	80-120	5.21	20	09/04/2015	
Copper	14100	5.0	mg/kg dry	500.0	13600	98.0	80-120	9.99	20	09/11/2015	
ron)	360	10		100.0	346	14.2	80-120	5.95	20	09/04/2015	X
.ead	378	10	mg/kg dry mg/kg dry		228	150	80-120	7.89	20	09/04/2015	A0
fanganese			·	100.0			80-120	3.72	20		
Molybdenum	124	10	mg/kg dry	. 100.0	ND	124		***************************************		09/04/2015	A0
lickel	125	10	mg/kg dry	100.0	21.9	103	80-120	2.61	20	09/04/2015	
elenium	108	2.0	mg/kg dry	100.0	ND	108	80-120	2.21	20	09/04/2015	
liver.	11.0	1.0	mg/kg dry	10.00	0.6	104	80-120	2.73	20	09/04/2015	*
Thallium	96.3	5.0	mg/kg dry	100.0	ND	96.3	80-120	0.407	20	09/04/2015	
^z anadium		10	mg/kg dry	100.0	19.5	102	80-120	1.90	20	09/04/2015	
inc	2560	10	mg/kg dry	100.0	5370	-2800	80-120	15.3	20	09/04/2015	. х
	÷										
Batch B5I0204 - Method: 747	1		•	Prepar	ed: 09/02/20	015					
Blank (B510204-BLK1)											
Mercury	ND	0.05	mg/kg wet	·	·		• .		_	09/03/2015	
LCS (B510204-BS1)											
	0.4	0.05	maller	0.4000		103	85-115			09/03/2015	
Mercury .	0.4	0.05	mg/kg wet	0.4000		103	03-113			03/03/2013	
Matrix Spike (B5I0204-MS1)	Source	e: 150822	23_08								



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Inorganics-Metals - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Analyzed	Qualifier
							,	IG B		- Indiyzed	Qualifici
Batch B5I0204 - Method: 7471				Prepare	d: 09/02/20	15		_			
Matrix Spike (B5I0204-MS1)	Source	e: 15082	23-08								
Mercury	0.8	0.06	mg/kg dry	0.4829	0.2	105	80-120			09/03/2015	
Matrix Spike Dup (B5I0204-MSD1)	Sourc	e: 15082	23-08								
Mercury	0.8	0.06	mg/kg dry	0.4829	0.2	109	80-120	2.07	20	09/03/2015	
Batch B5I0902 - Method: 7471				Prepare	d: 09/09/20	15					
Blank (B5I0902-BLK1)									-		
Blank (B5I0902-BLK1) Mercury	ND	0.05	mg/kg wet				_		-	09/10/2015	
Mercury	ND	0.05	mg/kg wet						-	09/10/2015	
Mercury LCS (B510902-BS1)	ND 0.4	0.05	mg/kg wet	0.4000		100	85-115		-	09/10/2015	
Mercury LCS (B510902-BS1) Mercury	0.4		mg/kg wet	0.4000		100	85-115		-		
Mercury LCS (B510902-BS1) Mercury Matrix Spike (B510902-MS1)	0.4	0.05	mg/kg wet	0.4000	0.02	100	85-115 80-120	,	-		
	0.4 Source 0.5	0.05 e: 15082 2	mg/kg wet		0.02					09/10/2015	



Michigan Department of Environmental Quality Laboratory Services Section

Analysis Request Sheet

Lab	Nork Order Number Project Name		aiyəiə itequ			Matríx
l	288933		Tree Farm			SOIL/SEDIMENT
	Cade/Project Number AY				Project TAT Days Sar	nple Collector
	B00000196	15		·	1 1 1	eresa Ducsay
	-Division-District Ind					nple Collector Phone
IVI	DEQ-RRD-Superfund	44092 CC Email 3			5:	17-284-5088
State	Project Manager	CC LINEAR S			Cor	ntract Firm
	resa Ducsay				Accept Analysis	
		Overflow Lab Choice 3	1		hold time codes Cor	tract Firm Primary Contact
	csayt@Michigan.gov	457052 Trimatrix				nary Contact Phone
	7-284-5088	19			F	ady Contact Prome
	Lab Use Only Field Sample Identification		Collection Date , Collection	Container Time Count Com	nments	
1	01 55-2015-01	1	08/25/20170	r 2		
2	12 SS-2015-12	·	100	5 7		
3	100-10-0-6	2-DUP	16	5 7		
4	03 33-2015 0	2-4017	183	5 2		
<u></u>	101 DS- 2015-C	5	1 1/85	5 2	···-	
5	05 55-2015-0	13-MS	185	52		
6	06 SS-2015-C	23-MSD	185	52		
7	0755-2015-0	74	100	5 2		
8	08 SS-2015-0	25	1110	7 2		
9	09 SS-2015-0	060	1/3	52		
10	10 SS-2015-0	METALS CHEMISTRY PACKA	174	SQ MS-TOTAL META	. •	
Voil BTE Chf GRI GRI 1,4 OS Pes Pes FCE Tox BNI BNI DI GRI GRI LIbr Fing	Dioxane 1 2 3 4 5 6 7 8 9 10 Pesticides, PCBs ticides & PCBs ticides a PCBs ticides only 1 2 3 4 5 6 7 8 9 10 Is only 1 2 3 4 5 6 7 8 9 10 A-Base Neutral Acids	OpMemo2-Total 1 2 3 4 5 (SSAs, Ba, Be, Cd., Cr., Cv., Co, Fe, Fa, Mn, Hg, Mo, N Michigan 10 - Total 1 2 3 4 5 6 (As, Ba, Cd, Cr., Cu, Pb, Hg, Se, Ag, Zn)	ii,Se,Ag,TI,V,Zn) Aluminum - A	1 2 3 4 1 2 3 4	5 6 7 8 9 10 GS-Gene 5 6 7 8 9 10 Total Cyan 5 6 7 8 9 10 Chem Oxy 5 6 7 8 9 10 Total Org- 5 6 7 8 9 10 Total Org- 5 6 7 8 9 10 Kjeldahl N 5 6 7 8 9 10 Total Phos 5 6 7 8 9 10	GENERAL CHEMISTRY raide - CN 1 2 3 4 5 6 7 8 9 10 Cyanide - CN 1 2 3 4 5 6 7 8 9 10 g Dem - COD 1 2 3 4 5 6 7 8 9 10 graphor - TOC 1 2 3 4 5 6 7 8 9 10 graphor - TOC 1 2 3 4 5 6 7 8 9 10 graphor - TOC 1 2 3 4 5 6 7 8 9 10 graphor - TOC 1 2 3 4 5 6 7 8 9 10 graphor - TOC 1 2 3 4 5 6 7 8 9 10
	Relinquished by		Received By			Date / Time
ybc	Print Name & Org. Jove Sca Dui Signature:	csup, MDEQ	Hel	Se Se	- Raise	
Chain of Custody	Print Name O	LODOY_				
ofc	& Org. Karl 104	<u></u>	Medis	Sc 3	x.+L	
nain			1 - 0	670		8 2015 810
Ö	Print Name & Org.				<u>.</u>	
	Signature:					[
	shorston Services Section		·			Page 120 of 121

DEQ Laboratory Services Section Phone: 517-335-9800

Page 1 of 2

Page 120 of 121



Michigan Department of Environmental Quality Laboratory Services Section

Analysis Request Sheet

Lab Work Order Number Project Name						Matrix
1208953		Tree	Farm			SOIL/SEDIMEN
Site Code/Project Number AY					Project TAT Days	Sample Collector
MIB000000196	15					Teresa Ducsay
Dept-Division-District Ind					Project Due Date	Sample Collector Phone
MDEQ-RRD-Superfund	44092	·				517-284-5088
State Project Manager	A CC Email 3		· ·]	Contract Firm
Teresa Ducsay					Accept Analysis	
State Project Manager Email Products ayt@Michigan.gov	457052 Overflow tab Choice Trimatrix	1			hold time codes	Contract Firm Primary Contact
State Project Manager Phone Pha		2]	Primary Contact Phone
517-284-5088	19]	
Lab Use		Collection]	
Only Field Sample Identification		Date	Collection Time	Container Count C	omments	
1 11 SS-2015-0	<u> </u>	<i>98/</i> 35/1	50915	2		
2 12 55-2015-0	29		1205	2	-	
3 355-2015-1	Ò		1510	2		,
4 11 55-2017	11	28/11/	10/12	2		
19 05 201.5	1.1	126/	\$ 1000	2		
17 14.15 1516	enic	7/24	5		perv	/icl
6						
7						
8	· -					
9			-			
						
0RGANIC CHEMISTRY	METALS CHEMISTRY PACK	AGES	NAE .	TOTAL ME	TALE	· · · · · · · · · · · · · · · · · · ·
VOA - Volatile Organic Addic Volatiles - Full List 1 2 3(4)5) 6 7 8 9 10	OpMemo2 - Total 1 2 3 4 5 [Sb.As,8a,8c,Cd,Cr,Cu,Co,Fe,Pb,Mn,Hg,Mo,N	6 7 8 9 10	Silver - Ag Atuminum - Al	1 2 3	45678910	GENERAL CHEMISTRY GS - General Chemistry
BTEX/MTBE/TMB only 1 2 3 4 5 6 7 8 9 10	Michigan10-Total 12345		Arsenic - As	123	4 5 6 7 8 9 10 4 5 6 7 8 9 1D	Total Cyanide - CN 1 2 3 4 5 6 7 8 9 10 Available Cyanide - CN 1 2 3 4 5 6 7 8 9 10
GRO 12345678910	(As,Ba,Cd,Cr,Cu,Pb,Hg,Se,Ag,Zn)		Barium - 8a Beryllium - Be		4 5 6 7 8 9 10 4 5 6 7 8 9 10	Chem Oxyg Dem - COD 1 2 3 4 5 6 7 8 9 10 Total Org Carbon - TOC 1 2 3 4 5 6 7 8 9 10
1,4 Dłoxana 12345678910			Cadmium - Cd Cobalt - Co		4 5 6 7 8 9 10 4 5 6 7 8 9 10	Kieldahl Nitrogen - KN 1 2 3 4 5 6 7 8 9 10 Total Phosphorus - TP 1 2 3 4 5 6 7 8 9 10
O5 - Pesticides, PCBs			Chromium - Cr Copper - Cu		45678910	
Pesticides & PCBs 123(4)5 6 7 8 9 10 Pesticides only 1 2 3 4 5 6 7 8 9 10		İ	Iron - Fe Mercury - Hg		45678910	
PCBs only 1 2 3 4 5 6 7 8 9 10 Toxaphene 1 2 3 4 5 6 7 8 9 10		1	Lithium – Li Manganese - Min		4 5 6.7 8 9 10	
BNA - Base Neutral Acids			Malybdenum - Mo Nickel - Ni	123	4 5 6 7 8 9 10	
BNAs 123(4) 5 6 7 8 9 10 PNAs only 1 2 3 4 5 6 7 8 9 10			Lead - Pb Antimony - Sb	123	4 5 6 7 8 9 10	
BNs only 1 2 3 4 5 6 7 8 9 10 .			Selenium - Se Strontium - Sr	123	45678910	
Organic Specialty Requests		1	Titanium - Ti Thallium - Ti	123	4 5 6 7 8 9 10 4 5 6 7 8 9 10 4 5 6 7 8 9 10	
Library search - Volatiles 1 2 3 4 5 6 7 8 9 10 Library search - SemiVols 1 2 3 4 5 6 7 8 9 10	·		Uranium - U Vanadium - V	123	45678910	
Finger Print 1 2 3 4 5 6 7 8 9 10			Zinc - Zn	123	4 5 6 7 8 9 10 4 5 6 7 8 9 10	
DRQ/ORO 1 2 3 4 5 6 7 8 9 10		1	Calcium - Ca Potassium - K		4 5 6 7 8 9 10 4 5 6 7 8 9 10	
			Magnesium - Mg Sodium - Na		4 5 6 7 8 9 10	
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Relinquished by		Received	By		· · · · · ·	Date / Time
Print Name	MERCH IMBEC		~ 100	`		Date / Inde
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8 Org. [100	\mathcal{O}^{π}	1	<u>Lelis</u>	22	12, N	
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Print Name & Org.					-	Vice in Vis
Signature:						

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Page 1 of 2

Page 121 of 121



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

22 September 2015

Work Order: 1508224

Price: \$9,335.50

Teresa Ducsay MDEQ-RRD-LANSING 525 W. Allegan Street Lansing, MI 48909

RE: TREE FARM

Learning that the analyses performed by the MDEQ Environmental Laboratory were conducted by methods approved by the U.S. Environmental Protection Agency and other appropriate regulatory agencies.

Sincerely,

George Krisztian Laboratory Director



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800

FAX: (517) 335-9600

MDEQ-RRD-LANSING 525 W. Allegan Street Lansing MI, 48909

Project: TREE FARM Site Code: MIB000000196 Project Manager: Teresa Ducsay

Reported: 09/22/2015

Analytical Report for Samples

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received Qualifier
SB-2015-01	1508224-01	Soil/Sediment	08/26/2015	08/27/2015
SB-2015-02	1508224-02	Soil/Sediment	08/26/2015	08/27/2015
SB-2015-03	1508224-03	Soil/Sediment	08/26/2015	08/27/2015
SB-2015-04	1508224-04	Soil/Sediment	08/26/2015	08/27/2015
SB-2015-05	1508224-05	Soil/Sediment	08/25/2015	08/27/2015
SB-2015-06	1508224-06	Soil/Sediment	08/25/2015	08/27/2015
SB-2015-07	1508224-07	Soil/Sediment	08/25/2015	08/27/2015
SB-2015-08	1508224-08	Soil/Sediment	08/25/2015	08/27/2015
SB-2015-09	1508224-09	Soil/Sediment	08/26/2015	08/27/2015
SB-2015-10	1508224-10	Soil/Sediment	08/24/2015	08/27/2015
SB-2015-03A	1508224-11	Soil/Sediment	08/26/2015	08/27/2015

Notes and Definitions

Y25	Sample extract would not concentrate to the normal volume causing raised reporting limits.
Y21	Reporting Limits (RL) raised due to matrix interference.
Y20	Reporting Limits (RL) raised due to matrix.

Spike recovery is not applicable due to large target analyte concentration in the source sample. X3

X Methods 8260 & 624 are used to analyze volatile organics that have boiling points below 200 °C. 2-Methylnaphthalene & naphthalene have boiling points above 200 °C and are better suited to analysis by methods 8270 & 625 as semivolatile organics.

V Value not available due to dilution.

Reported value is less than the reporting limit (RL). Result is estimated. Ţ

JD Due to severe degradation, specific Aroclor identification is difficult and quantitation is estimated.

Result is estimated due to high initial verification standard criteria failure. A11

Result is estimated due to high recovery of batch quality control. A09

Result(s) and reporting limit(s) are estimated due to poor precision. A07

Result is estimated due to high continuing calibration standard criteria failure. A06

A04 Result is estimated due to high matrix spike recovery.

A03 Result(s)'and reporting limit(s) are estimated due to low matrix spike recovery.

100 Aroclors not spiked.

ND Indicates compound analyzed for but not detected

Reporting Limit RL

Not Applicable NA

Sample results reported on a dry weight basis dry



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Vol	atiles						-	· · ·	
630-20-6	1,1,1,2-Tetrachloroethane	ND	62 -	ug/kg dry	50	08/28/15	B5H2803	8260	
71-55-6	l,l,l-Trichloroethane	ND.		ug/kg dry	50	08/28/15	B5H2803	8260	
79-34-5	1,1,2,2-Tetrachloroethane	ND	62	ug/kg dry	50	08/28/15	B5H2803	8260	de en en en en en en en en en en en en en
79-00-5	1,1,2-Trichloroethane	ND	62	ug/kg dry	50	08/28/15	B5H2803	8260	
75-34-3	1,1-Dichloroethane	ND	62	ug/kg dry`	50	08/28/15	B5H2803	8260	
75-35-4	1,1-Dichloroethylene	ND .	62	ug/kg dry	50	08/28/15	B5H2803	8260	
87-61-6	1,2,3-Trichlorobenzene	ND	310	ug/kg dry	50	08/28/15	B5H2803	8260	
96-18-4	1,2,3-Trichloropropane	.ND	62	ug/kg dry	50	08/28/15	B5H2803	8260	
526-73-8	1,2,3-Trimethylbenzene	ND	62	ug/kg dry	50	08/28/15	B5H2803	8260	on and the second second second second second second second second second second second second second second s
120-82-1	1,2,4-Trichlorobenzene	ND	310	ug/kg dry	. 50	08/28/15	B5H2803	8260	
95-63-6	1,2,4-Trimethylbenzene	ND	62	ug/kg dry	50	08/28/15	B5H2803	8260	ida in indiana in in indiana in indiana in indiana in indiana in indiana in indiana in indiana in indiana in i
96-12-8	1,2-Dibromo-3-chloropropane	ND	310	ug/kg dry	50	08/28/15	B5H2803	8260	
106-93-4	1,2-Dibromoethane	ND	62	ug/kg dry	50	08/28/15	B5H2803	8260	
95-50-1	1,2-Dichlorobenzene	ND	62	ug/kg dry	50	08/28/15	B5H2803	8260	
107-06-2	1,2-Dichloroethane	ND	62	ug/kg dry	50	08/28/15	B5H2803	8260	
79-87-5	1,2-Dichloropropane	ND	62	ug/kg dry	50	08/28/15	B5H2803	8260	
)8-67-8	1,3,5-Trimethylbenzene	ND	62	ug/kg dry	50	08/28/15	B5H2803	8260	eriodete et eligi
541-73-1	1,3-Dichlorobenzene	ND:	62	ug/kg dry	50	08/28/15	B5H2803	8260	
106-46-7	1,4-Dichlorobenzene	ND	62	ug/kg dry	50	08/28/15	B5H2803	8260	
78-93-3	2-Butanone (MEK)	ND	310	ug/kg dry	50	08/28/15	B5H2803	8260	
591-78-6	2-Hexanone	ND	310	ug/kg dry	50	08/28/15	B5H2803	8260	
91-57-6	2-Methylnaphthalene	ND	310	ug/kg dry	50	08/28/15	B5H2803	8260	X
67-64-1 `	2-Propanone (acetone)	. ND	1200	ug/kg dry	50	08/28/15	B5H2803	8260	······································
108-10-1	4-Methyl-2-pentanone (MIBK)	ND:	310	ug/kg dry	50	08/28/15	B5H2803	8260	
107-13-1	Acrylonitrile	ND	310	ug/kg dry	50	08/28/15	B5H2803	8260	
71-43-2	Benzene	ND	62	ug/kg dry	50	08/28/15	B5H2803	8260	
108-86-1	Bromobenzene	ND	62	ug/kg dry	50	08/28/15	B5H2803	8260	
74-97-5	Bromochloromethane	ND	62	ug/kg dry	50	08/28/15	B5H2803	8260	
75-27-4	Bromodichloromethane	ND	62	ug/kg dry	50	08/28/15	B5H2803	8260	······································
75-25-2	Bromoform	ND .	62	ug/kg dry	50	08/28/15	B5H2803	8260	
74-83-9	Bromomethane	. ND	310	ug/kg dry	50	08/28/15	B5H2803	8260	2,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1
75-15-0	Carbon disulfide	ND	62	ug/kg dry	50	08/28/15	B5H2803	8260	
56-23-5	Carbon tetrachloride	ND	62	ug/kg dry	50	08/28/15	B5H2803	8260	kalenda kureka kereka keraka da da da da da da da da da da da da da
108-90-7	Chlorobenzene	ND	62	ug/kg dry	50	08/28/15	B5H2803	8260	
75-00-3	Chloroethane	ND	310	ug/kg dry	50	08/28/15	B5H2803	8260	anan gana katalogada ka Cabu da Sabili da
67-66-3	Chloroform	ND	62	ug/kg dry	50	08/28/15	B5H2803	8260	
74-87-3	Chloromethane	ND	310	ug/kg dry	50	08/28/15	B5H2803	8260	alla de la composição d
156-59-2	cis-1,2-Dichloroethylene	ND	62	ug/kg dry	50	08/28/15	B5H2803	8260	
10061-01-5	cis-1,3-Dichloropropylene	ND	62	ug/kg dry	50	08/28/15	B5H2803	8260	lot in inches
10-82-7	Cyclohexane	ND	310	ug/kg dry	50 ;	08/28/15	B5H2803	8260	
24-48-1	Dibromochloromethane	ND	62	ug/kg dry	50	08/28/15	B5H2803	8260	esas di Exceptes et la Pati.



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
		Result			Dilution	———	QO DAILON	Meniod	Qualifici
Organics-Vola									
74-95-3	Dibromomethane	ND	62	ug/kg dry	50	08/28/15	B5H2803	8260	
75-71-8	Dichlorodifluoromethane	ND	310	ug/kg dry	50	08/28/15	B5H2803	8260	THE TOTAL LOLD BUILDING
60-29-7	Diethyl ether	ND	310	ug/kg dry	50	08/28/15	B5H2803	8260	
108-20-3	Diisopropyl Ether	ND	310	ug/kg dry	50	08/28/15	B5H2803	8260	Priji Priji Priji Priji Priji Priji Priji Priji Priji Priji Priji Priji Priji Priji Priji Priji Priji Priji Pr
100-41-4	Ethylbenzene	ND	62	ug/kg dry	50	08/28/15	B5H2803	8260	
637-92-3	Ethyltertiarybutylether	ND	310	ug/kg dry	50	08/28/15	B5H2803	8260	
67-72-1	Hexachloroethane	ND	310	ug/kg dry	-50	08/28/15	B5H2803	8260	
98-82-8	Isopropylbenzene	ND	62	ug/kg dry	50	08/28/15	B5H2803	8260	
1330-20-7	m & p - Xylene	ND	120	ug/kg dry	50	08/28/15	B5H2803	8260	
74-88-4	Methyl iodide	ND	62	ug/kg dry	50	08/28/15	B5H2803	8260	
75-09-2	Methylene chloride	ND	,310	ug/kg dry	50	08/28/15	B5H2803	8260	
1634-04-4	Methyltertiarybutylether	ND	62	ug/kg dry	50	08/28/15	B5H2803	8260	154.ac. > 4271000000000000000000000000000000000000
91-20-3	Naphthalene	ND	310 .	ug/kg dry	50	08/28/15	B5H2803	8260	X
104-51-8	n-Butylbenzene	ND	62	ug/kg dry	50	08/28/15	B5H2803	8260	exabay kadayyy
103-65-1	n-Propylbenzene	ND	62	ug/kg dry	50	08/28/15	B5H2803	8260	
95-47-6	o-Xylene	ND	62	ug/kg dry	50	08/28/15	B5H2803	8260	
99-87-6	p-Isopropyl toluene	ND	62	ug/kg dry	50	08/28/15	B5H2803	8260	i e e e e e e e e e e e e e e e e e e e
135-98-8	sec-Butylbenzene	ND	62	ug/kg dry	50	08/28/15	B5H2803	8260	
100-42-5	Styrene	ND	62	ug/kg dry	50	08/28/15	B5H2803	8260	
98-06-6	tert-Butylbenzene	ND	62	ug/kg dry	50	08/28/15	B5H2803	8260	*****************
75-65-0	tertiary Butyl Alcohol	ND	3100	ug/kg dry	50	08/28/15	B5H2803	8260	
994-05-8	tertiaryAmylmethylether	ND	310	ug/kg dry	50	08/28/15	B5H2803	8260	
127-18-4	Tetrachloroethylene	ND	- 62	ug/kg dry	50.	08/28/15	B5H2803	8260	
109-99-9	Tetrahydrofuran	ND	310	ug/kg dry	50	08/28/15	B5H2803	8260	
108-88-3	Toluene	ND	62	ug/kg dry	50.	08/28/15	B5H2803	8260	
156-60-5	trans-1,2-Dichloroethylene	ND	62	ug/kg dry	50	08/28/15	B5H2803	8260	
10061-02-6	trans-1,3-Dichloropropylene	ND ND	62	ug/kg dry	50	08/28/15	B5H2803	8260	
110-57-6	trans-1,4-Dichloro-2-butene	ND ND	310	ug/kg dry	50	08/28/15	B5H2803	8260 8260	
79-01-6			62		50	08/28/15	В5Н2803		
Secretary and the second secretary and the second s	Trichloroethylene	ND ND		ug/kg dry		200	- 44 - 34 - 34 - 34 - 34	8260	
75-69-4	Trichlorofluoromethane	ND	62	ug/kg dry	50	08/28/15	B5H2803	8260	
75-01-4	Vinyl chloride	ND .	62	ug/kg dry	50	08/28/15	B5H2803	8260	
Surrogate: Bromoj	<i>Iuorobenzene</i>	TIT. JETTS SEETS A VAN	120 %	40.3-19	4	08/28/15	B5H2803	8260	ngan ng nawa ganjaga yanggayanawa naw
Surrogate: Dibron	nofluoromethane		126%	52.1-21	7. /	08/28/15	B5H2803	8260	
Surrogate: Toluen	<i>₂-d</i> 8		126 %	55.4-19	6	08/28/15	B5H2803	8260	***************************************



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Semiv	olatiles					 -		<u> </u>	See note Y20
120-82-1	1,2,4-Trichlorobenzene	ND	440	ug/kg dry	1	09/09/15	B5H2808	8270	
95-95-4	2,4,5-Trichlorophenol	ND	730	ug/kg dry	1	09/09/15	B5H2808	8270	and the second second
88-06-2	2,4,6-Trichlorophenol	ND	730	ug/kg dry	1	09/09/15	B5H2808	8270	
120-83-2	2,4-Dichlorophenol	ND	730	ug/kg dry	1	09/09/15	B5H2808	8270	ia de la composición de la composición de la composición de la composición de la composición de la composición
105-67-9	2,4-Dimethylphenol	ND	730	ug/kg dry	1	09/09/15	B5H2808	8270	**************************************
51-28-5	2,4-Dinitrophenol	ND .	3800	ug/kg dry	1	09/09/15	B5H2808	8270	***************************************
121-14-2	2,4-Dinitrotoluene	ND	550	ug/kg dry	1	09/09/15	B5H2808	8270	
506-20-2	2,6-Dinitrotoluene	ND	550	ug/kg dry	1	09/09/15	B5H2808	8270	Augustus Compositionals
91-58-7	2-Chloronaphthalene	ND.	440	ug/kg dry	1 .	09/09/15	B5H2808	8270	
95-57-8	2-Chlorophenol	ND	730	ug/kg dry	1	09/09/15	B5H2808	8270	
534-52-1	2-Methyl-4,6-dinitrophenol	. ND	3800	ug/kg dry	1	09/09/15	B5H2808	8270	
91-57-6	2-Methylnaphthalene	ND	550	ug/kg dry	1	09/09/15	B5H2808	8270	
95-48-7	2-Methylphenol (o-Cresol)	ND ,	730	ug/kg dry	1	09/09/15	B5H2808	8270	
38-74-4	2-Nitroaniline	ND	1100	ug/kg dry	l	09/09/15	B5H2808	8270	
88-75-5	2-Nitrophenol	ND	730	ug/kg dry	1	09/09/15	B5H2808	8270	
08394,106445	3 & 4-Methylphenol	ND	1500	ug/kg dry	1	09/09/15	B5H2808	8270	
9-09-2	3-Nitroaniline	ND	1100	ug/kg dry	1	09/09/15	B5H2808	8270	
01-55-3	4-Bromophenyl phenyl ether	ND	440	ug/kg dry	1	09/09/15	B5H2808	8270	
9-50-7	4-Chloro-3-methyl-phenol	ND	440	ug/kg dry	1	09/09/15	B5H2808	8270	
7005-72-3	4-Chlorodiphenylether	ND	220	ug/kg dry	1	09/09/15	B5H2808	8270	
00-01-6	4-Nitroaniline	NĎ	1100	ug/kg dry	1	09/09/15	B5H2808	8270	
00-02-7	4-Nitrophenol	ND	3800	ug/kg dry	1	09/09/15	B5H2808	8270	
33-32-9	Acenaphthene	ND	220	ug/kg dry	1	09/09/15	B5H2808	8270	
08-96-8	Acenaphthylene	ND	220	ug/kg dry	1	09/09/15	B5H2808	8270	
20-12-7	Anthracene	ND	220	ug/kg dry	1	09/09/15	B5H2808	8270	
.03-33-3	Azobenzene	ND	440	ug/kg dry	I	09/09/15	B5H2808	8270	
6-55-3	Benz[a]anthracene	ND:	220	ug/kg dry	1	09/09/15	B5H2808	8270	
50-32-8	Benzo[a]pyrene	ND .	440	ug/kg dry	1	09/09/15	B5H2808	8270	
05-99-2	Benzo[b]fluoranthene	ND	440	ug/kg dry	1	09/09/15	B5H2808	8270	
91-24-2	Benzo[g,h,i]perylene	ND	440	ug/kg dry	1	09/09/15	B5H2808	8270	
07-08-9	Benzo[k]fluoranthene	' ND	440	ug/kg dry	1.	09/09/15	B5H2808	8270	
00-51-6	Benzyl Alcohol	ND	5500	ug/kg dry	1	09/09/15	B5H2808	8270	en it annihele muse danne. Välikeinen han sõ
11-91-1	Bis(2-chloroethoxy)methane	ND	440	ug/kg dry	i	.09/09/15	B5H2808	8270	
11-44-4	Bis(2-chloroethyl)ether	ND	220	ug/kg dry	1	09/09/15	B5H2808	8270	na rangini (b). si kenila si kenila sabahan da i
08-60-1	Bis(2-chloroisopropyl)ether	ND	220	ug/kg dry	I	09/09/15	B5H2808	8270	n de la company
17-81-7	Bis(2-ethylhexyl)phthalate	ND	550	ug/kg dry	1	09/09/15	B5H2808	8270	raines tous and builded about
5-68-7	Butyl benzyl phthalate	ND	550	ug/kg dry	1	09/09/15	В5Н2808	8270	
6-74-8	Carbazole	ND	550	ug/kg dry	1	09/09/15	B5H2808	8270	
218-01-9	Chrysene	ND	220	ug/kg dry	1 1	09/09/15	B5H2808	8270	
3-70-3	Dibenz[a,h]anthracene	ND	440	ug/kg dry	1	09/09/15	B5H2808	8270	
32-64-9	Dibenzofuran	ND	550	ug/kg dry	1	09/09/15	B5H2808	8270	



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Sem	nivolatiles		-	· · · · · · · · · · · · · · · · · · ·					See note Y20
84-66-2	Diethylphthalate	ND	550	ug/kg dry	1	09/09/15	B5H2808	8270	
131-11-3	Dimethyl phthalate	ND	550	ug/kg dry	1	09/09/15	B5H2808	8270	
84-74-2	Di-n-butyl phthalate	ND	550	ug/kg dry	1	09/09/15	B5H2808	8270	
117-84-0	Di-n-octyl phthalate	ND	550	ug/kg dry	1	09/09/15	B5H2808	8270	
206-44-0	Fluoranthene	ND	220	ug/kg dry	1	09/09/15	B5H2808	8270	
86-73-7	Fluorene	ND	220	ug/kg dry	1	09/09/15	B5H2808	8270	
118-74-1	Hexachlorobenzene	ND	440	ug/kg dry	1	09/09/15	B5H2808	8270	
87-68-3	Hexachlorobutadiene	ND	220	ug/kg dry	. 1	09/09/15	B5H2808	8270	
77-47-4	Hexachlorocyclopentadiene	ND	2200	ug/kg dry	1	09/09/15	B5H2808	8270	
67-72-1	Hexachloroethane	ND	220	ug/kg dry	1	09/09/15	B5H2808	8270	
193-39-5	Indeno(1,2,3-c,d)pyrene	ND	440	ug/kg dry	1	09/09/15	B5H2808	8270	
78-59-1	Isophorone	ND	220	ug/kg dry	1	09/09/15	B5H2808	8270	
91-20-3	Naphthalene	ND	220	ug/kg dry	1	09/09/15	B5H2808	8270	en en 1990 Wellingston der der Jennische der Jennische der Jennische der Jennische der Jennische der Jennische
98-95-3	Nitrobenzene	ND	440	ug/kg dry	. 1	09/09/15	B5H2808	8270	
67-75-9	N-Nitrosodimethylamine	ND	550	ug/kg dry	I	09/09/15	B5H2808	8270	
621-64-7	N-Nitrosodi-n-propylamine	ND	440	ug/kg dry	1	09/09/15	B5H2808	8270	3
86-30-6	N-Nitrosodiphenylamine	ND	440	ug/kg dry	1	09/09/15	B5H2808	8270	(1
87-86-5	Pentachlorophenol	ND	3800	ug/kg dry	1.	09/09/15	B5H2808	8270	
85-01-8	Phenanthrene	ND	220	ug/kg dry	1	09/09/15	B5H2808	8270	
108-95-2	Phenol	ND	730	ug/kg dry	1	09/09/15	B5H2808	8270	
129-00-0	Pyrene	ND	220	ug/kg dry	1	09/09/15	B5H2808	8270	
Surrogate: 2,4,6-T	ribromophenol		54.3 %	20.3-11	5	09/09/15	B5H2808	8270	
Surrogate: 2-Fluo	robiphenyl	and the state of t	69.2 %	32.9-11	5	09/09/15	B5H2808	8270	
Surrogate: 2-Fluo	rophenol		49.7 %	23.7-11	5	09/09/15	B5H2808	8270	,
Surrogate: Nitrobe	enzene-d5		67.5 %	31.8-11	5	09/09/15	B5H2808	8270	
Surrogate: Phenol	-d6		63.2 %	29.3-11	5.	09/09/15	B5H2808	8270	
Surrogate: p-Terpl	nenvl-d14		84.2 %	38.5-11	Action to the	09/09/15	B5H2808	8270	er og til skiller for det i de skiller for det skiller for det skiller for det skiller for det skiller for det Gregoria for det skiller for det skiller for det skiller for det skiller for det skiller for det skiller for d



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Pest	icides								
789-02-67	2,4'-DDT	ND	22	ug/kg dry	.1	09/10/15	B5H3117	8081/8082	
72-54-8	4,4'-DDD	ND	22	ug/kg dry	1	09/10/15	B5H3117	8081/8082	and the second
72-55-9	4,4'-DDE	ND	22	ug/kg dry	1	09/10/15	В5Н3117	8081/8082	
50-29-3	4,4'-DDT	ND	22	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
319-84-6	a-BHC	ND	11	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
5103-71-9	a-Chlordane	ND	22	ug/kg dry	1	09/10/15	B5H3117	8081/8082	n a stringer og graf, redesig stringer og sereptiblik til forste det ege
309-00-2	Aldrin	ND ND	22	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
319-85-7	b-BHC	ND ·	22	ug/kg dry	l	09/10/15	B5H3117	8081/8082	
319-86-8	d-BHC	ND	22	ug/kg dry	1.	09/10/15	B5H3117	8081/8082	
60-57-1	Dieldrin	ND	22	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
959-98-8	Endosulfan I	ND	22	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
33213-65-9	Endosulfan II	ND	22	ug/kg dry	1	09/10/15	B5H3117	8081/8082	AND THE PROPERTY OF THE PROPERTY OF
1031-07-8	Endosulfan sulfate	ND	22:	ug/kg dry	- 1	09/10/15	B5H3117	8081/8082	
72-20-8	Endrin	ND	22	ug/kg dry	ľ	09/10/15	B5H3117	8081/8082	
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1	09/10/15	B5H3117	8081/8082	Laborator A. Daniel
53494-70-5	Endrin ketone	ND	22	ug/kg dry	1	09/10/15	B5H3117	8081/8082	·····
/3-89-9	g-BHC (Lindane)	, ND	22	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
5103-74-2	g-Chlordane	ND	22	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
76-44-8	Heptachlor	ND	22	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
1024-57-3	Heptachlor epoxide .	ND	22	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
87-82-1	Hexabromobenzene	, ND	110	ug/kg.dry	17	09/10/15	B5H3117	8081/8082	
72-43-5	Methoxychlor	ND	55	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
2385-85-5	Mirex	ND	55	ug/kg dry	. 1	09/10/15	B5H3117	8081/8082	
59080-40-9	PBB (BP-6)	ND	280	ug/kg dry	1	09/10/15	B5H3117	8081/8082	nemente de la companya de la company
8001-35-2	Toxaphene	ND	190	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
Surrogate: Decach	lorobiphenyl		70.2 %	30-150	9	09/10/15	B5H3117	8081/8082	
Surrogate: Tetrach	loro-m-xylene		66.3 %	30-15	9	09/10/15	B5H3117	8081/8082	



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-PCI	s as Aroclors								
12674-11-2	Aroclor 1016	ND	110	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
11104-28-2	Aroclor 1221	ND	110	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
11141-16-5	Aroclor 1232	ND	110	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
53469-21-9	Aroclor 1242	ND	110	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
12672-29-6	Aroclor 1248	ND	110	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
11097-69-1	Aroclor 1254	ND	110	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
11096-82-5	Aroclor 1260	ND	110	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
37324-23-5	Aroclor 1262	ND	110	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
11100-14-4	Aroclor 1268	ND	110	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
Surrogate: Decaci	nlorobiphenyl		70.2 %	30-15)	09/10/15	B5H3117	8081/8082	
Surrogate: Tetraci	iloro-m-xylene	-	66.3 %	. 30-15)	09/10/15	B5H3117	8081/8082	* w v 17 16 18 \$617 v 18 16 16 16 16 16 16 16 16 16 16 17 17 18 17 18 17 18 17 18 17 18 17 18 17 18 17 18 17 1
Inorganics-Ge	eneral Chemistry								
TS	% Total Solids	90.6	0,1	%	1	08/27/15	B5H2709	2540 B	
57-12-5	Total Cyanide	ND	0.11	mg/kg dry	1	09/03/15	B5I0207	ASTM D7284	S
Inorganics-M	ř								, .
7440-36-0	Antimony	ND	0.3	mg/kg dry	10	09/09/15	B5H3104	6020/200.8	
7440-38-2	Arsenic	ND	5.0	mg/kg dry	100	09/08/15	B5I0102	6020/200.8	. I i i i i i i i i i i i i i i i i i i
7440-39-3	Barium	43	1.0	mg/kg dry	10	09/08/15	B510102	6020/200.8	
7440-41-7	Beryllium	ND	2.0	mg/kg dry	100	09/08/15	B5I0102	6020/200.8	2
7440-43-9	Cadmium	ND	0.2	mg/kg dry	10	09/08/15	B5I0102	6020/200.8	
7440-47-3	Chromium	ND	20	mg/kg dry	100	09/08/15	B5I0102	6020/200.8	en 1980 e desirabilitarios de 1990.
7440-48-4	Cobalt	ND	5.0	mg/kg dry	100	09/08/15	B5I0102	6020/200.8	
7440-50-8	Copper	12	10	mg/kg dry	100	09/08/15	B5I0102	6020/200.8	A09
7439-89-6	Iron	9000	5.0	mg/kg dry	10	09/15/15	B5I0102	6010/200.7	A09
7439-92-1	Lead	3.1	1.0	mg/kg dry	10	09/08/15	B5I0102	6020/200.8	16-11-10-12-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-
7439-96-5	Manganese	780	10	mg/kg dry	100	09/08/15	B5I0102	6020/200.8	
7439-97-6	Mercury	ND	0.06	mg/kg dry	1	09/10/15	B5I0902	7471/245.5	
7439-98-7	Molybdenum	ND	1.0	mg/kg dry	10	09/08/15	B5I0102	6020/200.8	
7440-02-0	Nickel	17	10	mg/kg dry	100	09/08/15	B5I0102	6020/200.8	s to maisin co sistem substitution in the s
7782-49-2	Selenium	.ND	2.0	mg/kg dry	100	09/08/15	B510102	6020/200.8	
7440-22-4	Silver	. ND	1.0	mg/kg dry	100	09/08/15	B5I0102	6020/200.8	
7440-28-0	Thallium	ND	0.5	mg/kg dry	10	09/08/15	B510102	6020/200.8	4.
7440-62-2	Vanadium	15	10	mg/kg dry	100	09/08/15	B5I0102	6020/200.8	ar se de la comita de la comita de la comita de la comita de la comita de la comita de la comita de la comita d
20.000 (CO. 20.000	Zinc	22	10	mg/kg dry	100	09/08/15	B5I0102	6020/200.8	227 227 228 7 286 v



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Organics-Volatiles 630-20-6 1,1,1,2-Tetrachloroethane ND 71 ug/kg dry 50 08/28/15 B5H2803 71-55-6 1,1,1-Trichloroethane ND 71 ug/kg dry 50 08/28/15 B5H2803 79-34-5 1,1,2,2-Tetrachloroethane ND 71 ug/kg dry 50 08/28/15 B5H2803 79-00-5 1,1,2-Trichloroethane ND 71 ug/kg dry 50 08/28/15 B5H2803 75-34-3 1,1-Dichloroethane ND 71 ug/kg dry 50 08/28/15 B5H2803 75-35-4 1,1-Dichloroethylene ND 71 ug/kg dry 50 08/28/15 B5H2803 87-61-6 1,2,3-Trichlorobenzene ND 350 ug/kg dry 50 08/28/15 B5H2803 96-18-4 1,2,3-Trichloropropane ND 71 ug/kg dry 50 08/28/15 B5H2803 526-73-8 1,2,3-Trimethylbenzene ND 350 ug/kg dry 50 08/28/15 B5H2803	Method Qualifier 8260 8260 8260 8260 8260 8260 8260 826
630-20-6 1,1,1,2-Tetrachloroethane ND 71 ug/kg dry 50 08/28/15 B5H2803 71-55-6 1,1,1-Trichloroethane ND 71 ug/kg dry 50 08/28/15 B5H2803 79-34-5 1,1,2,2-Tetrachloroethane ND 71 ug/kg dry 50 08/28/15 B5H2803 79-00-5 1,1,2-Trichloroethane ND 71 ug/kg dry 50 08/28/15 B5H2803 75-34-3 1,1-Dichloroethane ND 71 ug/kg dry 50 08/28/15 B5H2803 75-35-4 1,1-Dichloroethylene ND 71 ug/kg dry 50 08/28/15 B5H2803 87-61-6 1,2,3-Trichlorobenzene ND 350 ug/kg dry 50 08/28/15 B5H2803 526-73-8 1,2,3-Trimethylbenzene ND 71 ug/kg dry 50 08/28/15 B5H2803 120-82-1 1,2,4-Trichlorobenzene ND 350 ug/kg dry 50 08/28/15 B5H2803 95-63-6 <	8260 8260 8260 8260 8260 8260 8260 8260
71-55-6 1,1,1-Trichloroethane ND 71 ug/kg dry 50 08/28/15 B5H2803 79-34-5 1,1,2,2-Tetrachloroethane ND 71 ug/kg dry 50 08/28/15 B5H2803 79-90-5 1,1;2-Trichloroethane ND 71 ug/kg dry 50 08/28/15 B5H2803 75-34-3 1,1-Dichloroethane ND 71 ug/kg dry 50 08/28/15 B5H2803 75-35-4 1,1-Dichloroethylene ND 71 ug/kg dry 50 08/28/15 B5H2803 87-61-6 1,2,3-Trichlorobenzene ND 350 ug/kg dry 50 08/28/15 B5H2803 96-18-4 1,2,3-Trichloropropane ND 71 ug/kg dry 50 08/28/15 B5H2803 526-73-8 1,2,3-Trimethylbenzene ND 71 ug/kg dry 50 08/28/15 B5H2803 120-82-1 1,2,4-Trichlorobenzene ND 350 ug/kg dry 50 08/28/15 B5H2803 95-63-6 1	8260 8260 8260 8260 8260 8260 8260 8260
71-55-6 1,1,1-Trichloroethane ND 71 ug/kg dry 50 08/28/15 B5H2803 79-34-5 1,1,2,2-Tetrachloroethane ND 71 ug/kg dry 50 08/28/15 B5H2803 79-00-5 1,1;2-Trichloroethane ND 71 ug/kg dry 50 08/28/15 B5H2803 75-34-3 1,1-Dichloroethane ND 71 ug/kg dry 50 08/28/15 B5H2803 75-35-4 1,1-Dichloroethylene ND 71 ug/kg dry 50 08/28/15 B5H2803 87-61-6 1,2,3-Trichlorobenzene ND 350 ug/kg dry 50 08/28/15 B5H2803 96-18-4 1,2,3-Trichloropropane ND 71 ug/kg dry 50 08/28/15 B5H2803 526-73-8 1,2,3-Trimethylbenzene ND 71 ug/kg dry 50 08/28/15 B5H2803 120-82-1 1,2,4-Trichlorobenzene ND 350 ug/kg dry 50 08/28/15 B5H2803 95-63-6 1	8260 8260 8260 8260 8260 8260 8260 8260
79-00-5 1,1,2-Trichloroethane ND 71 ug/kg dry 50 08/28/15 B5H2803 75-34-3 1,1-Dichloroethane ND 71 ug/kg dry 50 08/28/15 B5H2803 75-35-4 1,1-Dichloroethylene ND 71 ug/kg dry 50 08/28/15 B5H2803 87-61-6 1,2,3-Trichlorobenzene ND 350 ug/kg dry 50 08/28/15 B5H2803 96-18-4 1,2,3-Trichloropropane ND 71 ug/kg dry 50 08/28/15 B5H2803 526-73-8 1,2,3-Trimethylbenzene ND 71 ug/kg dry 50 08/28/15 B5H2803 120-82-1 1,2,4-Trichlorobenzene ND 350 ug/kg dry 50 08/28/15 B5H2803 95-63-6 1,2,4-Trimethylbenzene ND 71 ug/kg dry 50 08/28/15 B5H2803 96-12-8 1,2-Dibromo-3-chloropropane ND 350 ug/kg dry 50 08/28/15 B5H2803	8260 8260 8260 8260 8260 8260 8260
75-34-3 1,1-Dichloroethane ND 71 ug/kg dry 50 08/28/15 B5H2803 75-35-4 1,1-Dichloroethylene ND 71 ug/kg dry 50 08/28/15 B5H2803 87-61-6 1,2,3-Trichlorobenzene ND 350 ug/kg dry 50 08/28/15 B5H2803 96-18-4 1,2,3-Trichloropropane ND 71 ug/kg dry 50 08/28/15 B5H2803 526-73-8 1,2,3-Trimethylbenzene ND 71 ug/kg dry 50 08/28/15 B5H2803 120-82-1 1,2,4-Trichlorobenzene ND 350 ug/kg dry 50 08/28/15 B5H2803 95-63-6 1,2,4-Trimethylbenzene ND 71 ug/kg dry 50 08/28/15 B5H2803 96-12-8 1,2-Dibromo-3-chloropropane ND 350 ug/kg dry 50 08/28/15 B5H2803	8260 8260 8260 8260 8260 8260 8260
75-34-3 1,1-Dichloroethane ND 71 ug/kg dry 50 08/28/15 B5H2803 75-35-4 1,1-Dichloroethylene ND 71 ug/kg dry 50 08/28/15 B5H2803 87-61-6 1,2,3-Trichlorobenzene ND 350 ug/kg dry 50 08/28/15 B5H2803 96-18-4 1,2,3-Trichloropropane ND 71 ug/kg dry 50 08/28/15 B5H2803 526-73-8 1,2,3-Trimethylbenzene ND 71 ug/kg dry 50 08/28/15 B5H2803 120-82-1 1,2,4-Trichlorobenzene ND 350 ug/kg dry 50 08/28/15 B5H2803 95-63-6 1,2,4-Trimethylbenzene ND 71 ug/kg dry 50 08/28/15 B5H2803 96-12-8 1,2-Dibromo-3-chloropropane ND 350 ug/kg dry 50 08/28/15 B5H2803	8260 8260 8260 8260 8260 8260 8260
87-61-6 1,2,3-Trichlorobenzene ND 350 ug/kg dry 50 08/28/15 B5H2803 96-18-4 1,2,3-Trichloropropane ND 71 ug/kg dry 50 08/28/15 B5H2803 526-73-8 1,2,3-Trimethylbenzene ND 71 ug/kg dry 50 08/28/15 B5H2803 120-82-1 1,2,4-Trichlorobenzene ND 350 ug/kg dry 50 08/28/15 B5H2803 95-63-6 1,2,4-Trimethylbenzene ND 71 ug/kg dry 50 08/28/15 B5H2803 96-12-8 1,2-Dibromo-3-chloropropane ND 350 ug/kg dry 50 08/28/15 B5H2803	8260 8260 8260 8260 8260
96-18-4 1,2,3-Trichloropropane ND 71 ug/kg dry 50 08/28/15 B5H2803 526-73-8 1,2,3-Trimethylbenzene ND 71 ug/kg dry 50 08/28/15 B5H2803 120-82-1 1,2,4-Trichlorobenzene ND 350 ug/kg dry 50 08/28/15 B5H2803 95-63-6 1,2,4-Trimethylbenzene ND 71 ug/kg dry 50 08/28/15 B5H2803 96-12-8 1,2-Dibromo-3-chloropropane ND 350 ug/kg dry 50 08/28/15 B5H2803	8260 8260 8260 3 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
526-73-8 1,2,3-Trimethylbenzene ND 71 ug/kg dry 50 08/28/15 B5H2803 120-82-1 1,2,4-Trichlorobenzene ND 350 ug/kg dry 50 08/28/15 B5H2803 95-63-6 1,2,4-Trimethylbenzene ND 71 ug/kg dry 50 08/28/15 B5H2803 96-12-8 1,2-Dibromo-3-chloropropane ND 350 ug/kg dry 50 08/28/15 B5H2803	8260 8260 8260
120-82-1 1,2,4-Trichlorobenzene ND 350 ug/kg dry 50 08/28/15 B5H2803 95-63-6 1,2,4-Trimethylbenzene ND 71 ug/kg dry 50 08/28/15 B5H2803 96-12-8 1,2-Dibromo-3-chloropropane ND 350 ug/kg dry 50 08/28/15 B5H2803	8260 8260
95-63-6 1,2,4-Trimethylbenzene ND 71 ug/kg dry 50 08/28/15 B5H2803 96-12-8 1,2-Dibromo-3-chloropropane ND 350 ug/kg dry 50 08/28/15 B5H2803	8260
96-12-8: 1,2-Dibromo-3-chloropropane ND 350 ug/kg dry 50 08/28/15 B5H2803	West street and a second of the second of th
	8260
106 02 4 1.2 Dilyomosthana ND 71 polles day 50 09/29/15 D51/2902	
106-93-4 1,2-Dibromoethane ND 71 ug/kg dry 50 08/28/15 B5H2803	8260
95-50×1 1 1,2-Dichlorobenzene ND 1 1,2-Dichlorobenzene ND 1 1, ug/kg dry 50 08/28/15 B5H2803	8260
107-06-2 1,2-Dichloroethane ND 71 ug/kg dry 50 08/28/15 B5H2803	8260
73-87-5 1,2-Dichloropropane ND 71 ug/kg dry 50 08/28/15 B5H2803	8260
)8-67-8 1,3,5-Trimethylbenzene ND 71 ug/kg dry 50 08/28/15 B5H2803	8260
541-73-1 1,3-Dichlorobenzene ND 71 ug/kg dry 50 08/28/15 B5H2803	8260
106-46-7 1,4-Dichlorobenzene ND 71 ug/kg dry 50 08/28/15 B5H2803	8260
78-93-3 2-Butanone (MEK) ND 350 ug/kg dry 50 08/28/15 B5H2803	8260
591-78-6 2-Hexanone ND 350 ug/kg dry 50 08/28/15 B5H2803	8260
91-57-6 2-Methylnaphthalene ND 350 ug/kg dry 50 08/28/15 B5H2803	8260 X
67-64-1 2-Propanone (acetone) ND 1400 ug/kg dry 50 08/28/15 B5H2803	8260
108-10-1 4-Methyl-2-pentanone (MIBK) ND 350 ug/kg/dry 50 08/28/15 B5H2803	8260
107-13-1 Acrylonitrile ND 350 ug/kg dry 50 08/28/15 B5H2803	8260
71-43-2 Benzene ND 71 ug/kg dry 50 08/28/15 B5H2803	8260
108-86-1 Bromobenzene ND 71 ug/kg dry 50 08/28/15 B5H2803	8260
74-97-5 Bromochloromethane ND 71 ug/kg dry 50 08/28/15 B5H2803	8260
75-27-4 Bromodichloromethane ND 71 ug/kg dry 50 08/28/15 B5H2803	8260
75-25-2 Bromoform ND 71 ug/kg dry 50 08/28/15 B5H2803	8260
74-83-9 Bromomethane ND 350 ug/kg dry 50 08/28/15 B5H2803	8260
75-15-0 Carbon disulfide ND 71 ug/kg dry 50 08/28/15 B5H2803	8260
56-23-5 Carbon tetrachloride ND 71 ug/kg dry 50 08/28/15 B5H2803	8260
108-90-7 Chlorobenzene ND 71 ug/kg dry 50 08/28/15 B5H2803 :	8260
	8260
67-66-3 Chloroform ND 71 ug/kg dry 50 08/28/15 B5H2803 :	8260
74-87-3 Chloromethane ND 350 ug/kg dry 50 08/28/15 B5H2803 5	8260
156-59-2 cis-1,2-Dichloroethylene ND 71 ug/kg dry 50 08/28/15 B5H2803	8260
10061-01-5 cis-1,3-Dichloropropylene ND 71 ug/kg dry 50 08/28/15 B5H2803	8260
10-82-7 Cyclohexane ND 350 ug/kg dry 50 08/28/15 B5H2803	8260
24-48-1 Dibromochloromethane ND 71 ug/kg dry 50 08/28/15 B5H2803 8	8260



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CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Vola	itiles						<u> </u>		
74-95-3	Dibromomethane	ND	71	ug/kg dry	50	08/28/15	B5H2803	8260	
75-71-8	Dichlorodifluoromethane	ND	350	ug/kg dry	50	08/28/15	B5H2803	8260	and the second s
60-29-7	Diethyl ether	ND:	350	ug/kg dry	.∴50	08/28/15	B5H2803	8260	
108-20-3	Diisopropyl Ether	ND	350	ug/kg dry	50	08/28/15	B5H2803	8260	
100-41-4	Ethylbenzene	ND	71	ug/kg dry	50	08/28/15	B5H2803	8260	
637-92-3	Ethyltertiarybutylether	ND	350	ug/kg dry	50	08/28/15	B5H2803	8260	
67-72-1	Hexachloroethane	ND	350	ug/kg dry	50	08/28/15	B5H2803	8260	
98-82-8	Isopropylbenzene	ND	71	ug/kg dry	50	08/28/15	B5H2803	8260	Pitting of the Control of the Contro
1330-20-7	m & p - Xylene	ND	140	ug/kg dry	50	08/28/15	B5H2803	8260	
74-88-4	Methyl iodide	ND	71	ug/kg dry	50	08/28/15	B5H2803	8260	
75-09-2	Methylene chloride	ND	350	ug/kg dry	50	08/28/15	B5H2803	8260	
1634-04-4	Methyltertiarybutylether	ND	71	ug/kg dry	50	08/28/15	B5H2803	8260	more, cantast returning gygg
91-20-3	Naphthalene	ND	350	ug/kg dry	50	08/28/15	B5H2803	8260	Х
104-51-8	n-Butylbenzene	ND	. 71	ug/kg dry	50	08/28/15	B5H2803	8260	
103-65-1	n-Propylbenzene	ND	71	ug/kg dry	50	08/28/15	B5H2803	8260	
95-47-6	o-Xylene	ND	71	ug/kg dry	50	08/28/15	B5H2803	8260	error (grana a Merca) (1994) a sande error (inggjaden in a 199
99-87-6	p-Isopropyl toluene	ND	71	ug/kg dry	-50	08/28/15	B5H2803	8260	
135-98-8	sec-Butylbenzene	ND	71	ug/kg dry	50	08/28/15	B5H2803	8260	***************************************
100-42-5	Styrene	ND	71	ug/kg dry	50	08/28/15	B5H2803	8260	
98-06-6	tert-Butylbenzene	ND .	71	ug/kg dry	50	08/28/15	B5H2803	8260	8.5.1.201.748827° 2000.1., 11.20
75-65-0	tertiary Butyl Alcohol	ND	3500	ug/kg dry	50	08/28/15	B5H2803	8260	
994-05-8	tertiaryAmylmethylether	ND	350	ug/kg dry	- 50	08/28/15	B5H2803	8260	***************************************
127-18-4	Tetrachloroethylene	ND	71	ug/kg dry	50	08/28/15	B5H2803	8260	
109-99-9	Tetrahydrofuran	ND	350	ug/kg dry	50	08/28/15	B5H2803	8260	er en de la companya de la companya de la companya de la companya de la companya de la companya de la companya
108-88-3	Toluene	ND	** 71	ug/kg dry	. 50	08/28/15	B5H2803	8260	
156-60-5	trans-1,2-Dichloroethylene	ND	71	ug/kg dry	50	08/28/15	B5H2803	8260	20.00
10061-02-6	trans-1,3-Dichloropropylene	ND	71	ug/kg dry	50	08/28/15	B5H2803	8260	
110-57-6	trans-1,4-Dichloro-2-butene	ND	350	ug/kg dry	50	08/28/15	B5H2803	8260	er-trakter-koltánakott
79-01-6	Trichloroethylene	ND	71	ug/kg dry	50	08/28/15	B5H2803	8260	
75-69-4	Trichlorofluoromethane	ND	71	ug/kg dry	50	08/28/15	B5H2803	8260	
75-01-4	Vinyl chloride	ND	71	ug/kg dry	50	08/28/15	B5H2803	8260	
Surrogate: Bromoj	Auorobenzene		129 %	40,3-19	94	08/28/15	B5H2803	8260	The Control of Assessment Sept. N
Surrogate: Dibron			138 %	52.1-21		08/28/15	B5H2803	8260	
Surrogate: Toluen	10 - 40 Million. The Alexander many is a Market and the state of the s			55.4-19	totala. Militi	08/28/15	B5H2803	Anna Carlotte Control Control Control	A
oarroguie. Totaeni			136 %	33.4-15	ru	00/20/13	מאסענת	8260	



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CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Semiv	olatiles							See n	ote Y20, Y25
120-82-1	1,2,4-Trichlorobenzene	ND	4800	ug/kg dry	1	09/09/15	B5H2808	8270	
95-95-4	2,4,5-Trichlorophenol	ND	7900	ug/kg dry	1	09/09/15	B5H2808	8270	Anna Anna Anna Anna Anna Anna Anna Anna
88-06-2	2,4,6-Trichlorophenol	ND	7900	ug/kg dry	1	09/09/15	B5H2808	8270	
120-83-2	2,4-Dichlorophenol	ND	7900	ug/kg dry	1	09/09/15	B5H2808	8270	Service de la companya del companya del companya de la companya de
105-67-9	2,4-Dimethylphenol	ND	7900	ug/kg dry	1	09/09/15	B5H2808	8270	
51-28-5	2,4-Dinitrophenol	ND	41000	ug/kg dry	1	09/09/15	B5H2808	8270	
121-14-2	2,4-Dinitrotoluene	ND'	6000	ug/kg dry	1.	09/09/15	B5H2808	8270	
506-20-2	2,6-Dinitrotoluene	ND	6000	ug/kg dry	1	09/09/15	B5H2808	8270	
91-58-7	2-Chloronaphthalene	ND	4800	ug/kg dry	1	09/09/15	B5H2808	8270	
95-57-8	2-Chlorophenol	ND	7900	ug/kg dry	. 1	09/09/15	B5H2808	8270	e contribution and sold sold sold sold sold sold sold sol
534-52-1	2-Methyl-4,6-dinitrophenol	ND	41000	ug/kg dry	1	09/09/15	B5H2808	8270	
91-57-6	2-Methylnaphthalene	ND	6000	ug/kg dry	1	09/09/15	B5H2808	8270	Control of the Contro
95-48-7	2-Methylphenol (o-Cresol)	ND	7900	ug/kg dry	1	09/09/15	B5H2808	8270	
88-74-4	2-Nitroaniline	ND	12000	ug/kg dry	1	09/09/15	B5H2808	8270	
88-75-5	2-Nitrophenol	ND	7900	ug/kg dry	1	09/09/15	B5H2808	8270	
08394,106445	3 & 4-Methylphenol	ND	16000	ug/kg dry	1	09/09/15	B5H2808	8270	
/) -09-2	3-Nitroaniline	ND	12000	ug/kg dry	1	09/09/15	B5H2808	8270	
01-55-3	4-Bromophenyl phenyl ether	ND	4800	ug/kg dry	1	09/09/15	B5H2808	8270	
9-50-7	4-Chloro-3-methyl-phenol	- ND	4800	ug/kg dry	1	09/09/15	B5H2808	8270	
7005-72-3	4-Chlorodiphenylether	ND	2400	ug/kg dry	1	09/09/15	B5H2808	8270	
00-01-6	4-Nitroaniline	ND	12000	ug/kg dry	i	09/09/15	B5H2808	8270	
00-02-7	4-Nitrophenol	ND	41000	ug/kg dry	1	09/09/15	B5H2808	· ⁾ 8270	
33-32-9	Acenaphthene	ND	2400	ug/kg dry	1	09/09/15	B5H2808	8270	
208-96-8	Acenaphthylene	ND	2400	ug/kg dry	. I	09/09/15	B5H2808	8270	
20-12-7	Anthracene	ND	2400	ug/kg dry	1,	09/09/15	B5H2808 .	8270	
03-33-3	Azobenzene	ND	4800	ug/kg dry	1	09/09/15	B5H2808	8270	e kanto menerale de la composición del composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composici
6-55-3	Benz[a]anthracene	ND	2400	ug/kg dry	. 1	09/09/15	B5H2808	8270	
50-32-8	Benzo[a]pyrene	ND	4800	ug/kg dry	1	09/09/15	B5H2808	8270	
205-99-2	Benzo[b]fluoranthene	ND	4800	ug/kg dry	-1	09/09/15	B5H2808	8270	
91-24-2	Benzo[g,h,i]perylene	ND	4800	ug/kg dry	1	09/09/15	B5H2808	8270	**************************************
07-08-9	Benzo[k]fluoranthene	ND	4800	ug/kg dry	1	09/09/15	B5H2808	8270	
00-51-6	Benzyl Alcohol	ND	60000	ug/kg dry	1	09/09/15	B5H2808	8270	i de Carine Carta de Carine Carta Carine Carine.
11-91-1	Bis(2-chloroethoxy)methane	ND.	4800	ug/kg dry	1	09/09/15	B5H2808	8270	
11-44-4	Bis(2-chloroethyl)ether	ND	2400	ug/kg dry	1	09/09/15	B5H2808	8270	a ki alla kara a sasa Andria Andria.
08-60-1	Bis(2-chloroisopropyl)ether	, ND	-2400	ug/kg dry	ī	09/09/15	B5H2808	8270	
17-81-7	Bis(2-ethylhexyl)phthalate	ND	6000	ug/kg dry	1	09/09/15	B5H2808	8270	
35-68-7	Butyl benzyl phthalate	ND	6000	ug/kg dry	1	09/09/15	B5H2808	8270	
6-74-8	Carbazole	ND	6000	ug/kg dry	1	09/09/15	B5H2808	× 8270	
18-01-9	Chrysene	ND	2400	ug/kg dry	1	09/09/15	B5H2808	8270	
3-70-3	Dibenz[a,h]anthracene	ND	4800	ug/kg dry	1	09/09/15	B5H2808	8270	
32-64-9	Dibenzofuran	ND	6000	ug/kg dry		09/09/15	B5H2808	8270	



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

CAS#	Analyte _	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Sem	ivolatiles						-	See n	ote Y20, Y25
84-66-2	Diethylphthalate	ND	6000	ug/kg dry	1	09/09/15	B5H2808	8270	
131-11-3	Dimethyl phthalate	ND	6000	ug/kg dry	1	09/09/15	B5H2808	8270	
84-74-2	Di-n-butyl phthalate	8300	6000	ug/kg dry	1	09/09/15	B5H2808	8270	Allii (Alakai (Bereiri (A.) (Alakai (Biri)
117-84-0	Di-n-octyl phthalate	ND	6000	ug/kg dry	1	09/09/15	B5H2808	8270	
206-44-0	Fluoranthene	ND ·	2400	ug/kg dry	1	09/09/15	B5H2808	8270	4
86-73-7	Fluorene	ND	2400	ug/kg dry	1	09/09/15	B5H2808	8270	
118-74-1	Hexachlorobenzene	ND	4800	ug/kg dry	1	09/09/15	B5H2808	8270	and the same of the same of the same of the same of the same of the same of the same of the same of the same of
87-68-3	Hexachlorobutadiene	ND	2400	ug/kg dry	1	09/09/15	B5H2808	8270	
77-47-4	Hexachlorocyclopentadiene	ND	24000	ug/kg dry	1	09/09/15	B5H2808	8270	de referencia con contrata con establica (il proposito con la constitució de la constitució de la constitució d
67-72-1	Hexachloroethane	ND	2400	ug/kg dry	1	09/09/15	B5H2808	8270	
193-39-5	Indeno(1,2,3-c,d)pyrene	ND	4800	ug/kg dry	1	09/09/15	B5H2808	8270	***************************************
78-59-1	İsophorone	ND	2400	ug/kg dry	1	09/09/15	B5H2808	8270	
91-20-3	Naphthalene	ND	2400	ug/kg dry	1	09/09/15	B5H2808	8270	
98-95-3	Nitrobenzene	ND	4800	ug/kg dry	1	09/09/15	B5H2808	8270	
67-75-9	N-Nitrosodimethylamine	ND	6000	ug/kg dry	1	09/09/15.	B5H2808	8270	a (11. 11. 11. 11. 11. 11. 11. 11. 11. 11
621-64-7	N-Nitrosodi-n-propylamine	7. ND	4800	ug/kg dry	1	09/09/15	B5H2808	8270	
86-30-6	N-Nitrosodiphenylamine	ND	4800	ug/kg dry	1	09/09/15	B5H2808	8270	-
87-86-5	Pentachlorophenol	ND .	41000	ug/kg dry	1	09/09/15	B5H2808	8270	
85-01-8	Phenanthrene	ND	2400	ug/kg dry	1	09/09/15	B5H2808	8270	
108-95-2	Phenol	ND	7900	ug/kg dry	1	09/09/15	B5H2808	8270	
129-00-0	Pyrene	- ND	2400	ug/kg dry	1	09/09/15	B5H2808	8270	
Surrogate: 2,4,6-Tr	ribromophenol	Not	Applicable	20.3-11	15	09/09/15	B5H2808	8270	У
Surrogate: 2-Fluor	obiphenyl	Not	Applicable	32.9-11	15	09/09/15	B5H2808	8270	V
Surrogate: 2-Fluor	ophenol	Not	Applicable	23.7-11	15	09/09/15	B5H2808	8270	· γ
Surrogate: Nitrobe	nzene-d5	Not	Applicable	31.8-11	15	09/09/15	B5H2808	8270	V
Surrogate: Phenol-	d6	\$1599\$11-05406\$5000000000000000000	Applicable -	29.3-11	15	09/09/15	B5H2808	8270	V .
Surrogate: p-Terph	enyl-d14		Applicable	38.5-11	15	09/09/15	B5H2808	8270	V



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	OC Batch	Method	Qualifier
Organics-Pesti	<u> </u>			- Critico				Wethou	See note Y20
789-02-6	2,4'-DDT	180	48.	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
72-54-8	4,4'-DDD	830	480 、	ug/kg dry	10	09/15/15	B5H3117	8081/8082	2.00
72-55-9	4,4'-DDE	2200	480	ug/kg dry	10	09/15/15	B5H3117	8081/8082	
50-29-3	4,4'-DDT	1100	480	ug/kg dry	10	09/15/15	B5H3117	8081/8082	
319-84-6	a-BHC	ND	24	ug/kg dry	i I	09/10/15	B5H3117	8081/8082	
5103-71-9	a-Chlordane	· ND	48	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
309-00-2	Aldrin	ND ND	48	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
319-85-7	b-BHC	ND	48	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
319-86-8	d-BHC	ND	48	ug/kg dry	:::1	09/10/15	B5H3117	8081/8082	
60-57-1	Dieldrin	ND	48	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
959-98-8	Endosulfan I	ND	48	ug/kg dry	-1	09/10/15	B5H3117	8081/8082	
33213-65-9	Endosulfan II	ND	48	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
1031-07-8	Endosulfan sulfate	ND	48	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
72-20-8	Endrin	ND	48	ug/kg dry	. 1	09/10/15	B5H3117	8081/8082	20100000000000000000000000000000000000
7421-93-4	Endrin aldehyde	ND	48	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
3494-70-5	Endrin ketone	ND	48	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
/3-89-9	g-BHC (Lindane)	ND'	48.	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
5103-74-2	g-Chlordane	ND	48	ug/kg dry	1	09/10/15	B5H3117	8081/8082	idenicus
76-44-8	Heptachlor	ND	48	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
1024-57-3	Heptachlor epoxide	ND	48	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
87-82-1	Hexabromobenzene	ND	240	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
72-43-5	Methoxychlor	ND	120	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
2385-85-5	Mirex	ND	120	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
59080-40-9	PBB (BP-6)	ND	600	ug/kg dry	1	09/10/15	B5H3117	8081/8082	n marana and an in marana and an an an an an an an an an an an an an
8001-35-2	Toxaphene	ND	410	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
Surrogate: Decachle	orobiphenyl		92.2 %	30-150)	09/10/15	B5H3117	8081/8082	
Surrogate: Tetrachle	oro-m-xylene		113 %	30-150		09/10/15	B5H3117	8081/8082	



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

			D ID: 150	0224-02					
CAS#	Analyte	Resuit	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-PCB	s as Aroclors							s	ee note Y20
12674-11-2	Aroclor 1016	ND	240	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
11104-28-2	Aroclor 1221	ND	240	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
11141-16-5	Aroclor 1232	ND	240	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
53469-21-9	Aroclor 1242	ND	240	ug/kg dry	1.	-09/10/15	B5H3117	8081/8082	
12672-29-6	Aroclor 1248	ND	240	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
11097-69-1	Aroclor 1254	ND	240	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
11096-82-5	Aroclor 1260	ND	240	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
37324-23-5	Aroclor 1262	ND	240	ug/kg dry	1.	09/10/15	B5H3117	8081/8082	
11100-14-4	Aroclor 1268	ND	240	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
Surrogate: Decach	lorobiphenyl		92.2 %	30-15	0	09/10/15	B5H3117	8081/8082	
Surrogate: Tetrachi	loro-m-xylene		113 %	30-15	0	09/10/15	B5H3117	8081/8082	
Inorganics-Ge	neral Chemistry								
TS.	% Total Solids	83.6	0.1	%	1	08/27/15	B5H2709	2540 B	
Andreas Andreas Andreas Andreas Andreas Andreas Andreas Andreas Andreas Andreas Andreas Andreas Andreas Andreas		18	0.60	mg/kg dry	5	09/03/15	B5I0207	ASTM D7284	
57-12-5	Total Cyanide	18	0.00	mg/kg ury	3	09/03/13	D310207	A31W D7284	
Inorganics-Me	etals .						markeme arranga mesa		, '
7440-36-0	Antimony	7.8	0,3	mg/kg dry	10	09/09/15	B5H3104	6020/200.8	`\
7440-38-2	Arsenic	21	5.0	mg/kg dry	100	09/08/15	B5I0102	6020/200.8	A09
7440-39-3	Barium	700	1.0	mg/kg dry	10	09/08/15	B5I0102	6020/200.8	
7440-41-7	Beryllium	ND	2.0	mg/kg dry	100	09/08/15	B5I0102	6020/200.8	
7440-43-9	Cadmium	5.3	0.2	mg/kg dry	10	09/08/15	B510102	6020/200.8	
7440-47-3	Chromium	52	20	mg/kg dry	100	09/08/15	B5I0102	6020/200.8	
7440-48-4	Cobalt	9.2	5.0	mg/kg dry	100	09/08/15	B5I0102	6020/200.8	
7440-50-8	Copper	200	10	mg/kg dry	100	09/08/15	B5I0102	6020/200.8	A09
7439-89-6	Iron	87000	50	mg/kg dry	100	09/15/15	B510102	6010/200.7	A09
7439-92-1	Lead	1200	1.0	mg/kg dry	10	09/08/15	B5I0102	6020/200.8	
7439-96-5	Manganese	510	10	mg/kg dry	100	09/08/15	B510102	6020/200.8	
7439-97-6	Mercury	0.2	0.06	mg/kg dry	1	09/10/15	B5I0902	7471/245.5	
7439-91-0 7439-98-7	Molybdenum	4.7	1.0	mg/kg dry	- 10	09/08/15	B5I0102	6020/200.8	. A09
			10	// 1	100	09/08/15	B5I0102 .	6020/200.8	ASSESSED AND
7440-02-0 7782-49-2	Nickel Selenium	ND.	2.0	mg/kg dry mg/kg dry	100	09/08/15	B510102	6020/200.8	
7440-22-4	Silver	ND	1.0	mg/kg dry	100	09/08/15	B5I0102	6020/200.8	
7440-22-4	Thallium	ND	0.5	mg/kg dry	10	09/08/15	B510102	6020/200.8	
7440-62-2	Vanadium	14	10	mg/kg dry	100	09/08/15	B5I0102	6020/200.8	
incontinuos premioratorismente, il exceptionite in co			10	mg/kg dry	100	09/08/15	B510102	6020/200.8	
7440-66-6	Zinc	2100	10 (mara my	100	07/00:13%		0020/200.0	



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

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CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Vola	tiles			-	`			. <u></u>	
630-20-6	1,1,1,2-Tetrachloroethane	ND	71	ug/kg dry	50	08/28/15	B5H2803	8260	
71-55-6	I,1,1-Trichloroethane	ND	71	ug/kg dry	50	08/28/15	B5H2803	8260	
79-34-5	1,1,2,2-Tetrachloroethane	ND	71	ug/kg dry	50	08/28/15	B5H2803	8260	
79-00-5	1,1,2-Trichloroethane	ND	71	ug/kg dry	50	08/28/15	B5H2803	8260	
75-34-3	1,1-Dichloroethane	ND	71	ug/kg dry	50	08/28/15	B5H2803	8260	
75-35-4	1,1-Dichloroethylene	ND:	71.	ug/kg dry	50	08/28/15	B5H2803	8260	
87-61-6	1,2,3-Trichlorobenzene	ND	350	ug/kg dry	50	08/28/15	B5H2803	8260	
96-18-4	1,2,3-Trichloropropane	ND	71	ug/kg dry	50	08/28/15	B5H2803	8260	
526-73-8	1,2,3-Trimethylbenzene	ND	71	ug/kg dry	50	08/28/15	B5H2803	8260	
120-82-1	1,2,4-Trichlorobenzene	ND	350	ug/kg dry	50	08/28/15	B5H2803	8260	
95-63-6	1,2,4-Trimethylbenzene	ND	71	ug/kg dry	50	08/28/15	B5H2803	8260	
96-12-8	1,2-Dibromo-3-chloropropane	ND	350	ug/kg dry	50	08/28/15	B5H2803	8260	
106-93-4	1,2-Dibromoethane	ND	71	ug/kg dry	50	08/28/15	B5H2803	8260	
95-50-1	1,2-Dichlorobenzene	ND	71	ug/kg dry	50	08/28/15	B5H2803	8260	
107-06-2	1,2-Dichloroethane	ND	71	ug/kg dry	50	08/28/15	B5H2803	8260	Access
73-87-5	1,2=Dichloropropane	ND :		ug/kg dry	50	08/28/15	B5H2803	8260	
)8-67-8	1,3,5-Trimethylbenzene	ND	71	ug/kg dry	50	08/28/15	B5H2803	8260	
541-73-1	1,3-Dichlorobenzene	ND	71	ug/kg dry	50	08/28/15	B5H2803	8260	
106-46-7	1,4-Dichlorobenzene	ND	71	ug/kg dry	50	08/28/15	B5H2803	8260	
78-93-3	2-Butanone (MEK)	ND	350	ug/kg dry	50	08/28/15	B5H2803	8260	
591-78-6	2-Hexanone	ND	350	ug/kg dry	50	08/28/15	B5H2803	8260	
91-57-6	2-Methylnaphthalene	ND	350	ug/kg dry	50	08/28/15	B5H2803	8260	X
67-64-1	2-Propanone (acetone)	ND	1400	ug/kg dry	50	08/28/15	B5H2803	8260	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	350	ug/kg dry	50	08/28/15	B5H2803	8260	
107-13-1	Acrylonitrile	ND.	350	ug/kg dry	50	08/28/15	B5H2803	8260	
71-43-2	Benzene	ND	71	ug/kg dry	50	08/28/15	B5H2803	8260	
108-86-1	Bromobenzene	ND	71	ug/kg dry	50	08/28/15	B5H2803	8260	
74-97-5	Bromochloromethane	ND	71	ug/kg dry	50	08/28/15	B5H2803	8260	
75-27-4	Bromodichloromethane	ND	71	ug/kg dry	50	08/28/15	B5H2803	8260	***************************************
75-25-2	Bromoform	ND	71	ug/kg dry	50	08/28/15	B5H2803	8260	
74-83-9	Bromomethane	ND	350	ug/kg dry	50	08/28/15	B5H2803	8260	
75-15-0	Carbon disulfide	ND	71	ug/kg dry	50	08/28/15	B5H2803	8260	
56-23 - 5	Carbon tetrachloride	ND	71	ug/kg dry	50	08/28/15	B5H2803	8260	<u> </u>
108-90-7	Chlorobenzene	ND	71	ug/kg dry	50	08/28/15	B5H2803	8260	
75-00-3	Chloroethane	ND	350	ug/kg dry	50	08/28/15	B5H2803	8260	
67-66-3	Chloroform	ND	71	ug/kg dry	50	08/28/15	B5H2803	8260	
74-87-3	Chloromethane	ND	350	ug/kg dry	50	08/28/15	B5H2803	8260	
156-59-2	cis-1,2-Dichloroethylene	ND	71	ug/kg dry	50	08/28/15	B5H2803	8260	
10061-01-5	cis-1,3-Dichloropropylene	ND	71	ug/kg dry	50	08/28/15	B5H2803	8260	to an object of 12.142.
110-82-7	Cyclohexane	ND	350.	ug/kg dry	50	08/28/15	B5H2803	8260	
24-48-1	Dibromochloromethane	ND	71	ug/kg dry	50	08/28/15	B5H2803	8260 ·	



P.O. Box 30270 Lansing, MI 48909 .TEL: (517) 335-9800 FAX: (517) 335-9600

CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifie
Organics-Vol	atiles			,					
74-95-3	Dibromomethane	ND	71	ug/kg dry	50	08/28/15	B5H2803	8260	
75-71-8	Dichlorodifluoromethane	ND	350	ug/kg dry	50	08/28/15	B5H2803	8260	
50-29-7	Diethyl ether	ND	350	ug/kg dry	50	08/28/15	B5H2803	8260	
108-20-3	Diisopropyl Ether	ND	350	ug/kg dry	50	08/28/15	B5H2803	8260	
100-41-4	Ethylbenzene	ND	71	ug/kg dry	50	08/28/15	B5H2803	8260	
537-92-3	Ethyltertiarybutylether	ND	350	ug/kg dry	50	08/28/15	B5H2803	8260	***************************************
57-72-1	Hexachloroethane	ND	350	ug/kg dry	50	08/28/15	B5H2803	8260	
98-82-8	Isopropylbenzene	ND	71	ug/kg dry	50	08/28/15	B5H2803	8260	· · · · · · · · · · · · · · · · · · ·
1330-20-7	m & p - Xylene	ND	140	ug/kg dry	50	08/28/15	B5H2803	8260	
74-88-4	Methyl iodide	ND	71	ug/kg dry	50	08/28/15	B5H2803	8260	
75-09-2	Methylene chloride	ND	350	ug/kg dry	50	08/28/15	B5H2803	8260	
634-04-4	Methyltertiarybutylether	ND	71	ug/kg dry	50	08/28/15	B5H2803	8260	
1-20-3	Naphthalene	ND	350	ug/kg dry	50	08/28/15	B5H2803	8260	X
04-51-8	n-Butylbenzene	ND	71	ug/kg dry	50	08/28/15	B5H2803	8260	
03-65-1	n-Propylbenzene	ND	71	ug/kg dry	50	08/28/15	B5H2803	8260	
95-47-6	o-Xylene	ND	71	ug/kg dry	50	08/28/15	B5H2803	8260	
9-87-6	p-Isopropyl toluene	ND	71	ug/kg dry	50	08/28/15	B5H2803	8260	
35-98-8	sec-Butylbenzene	ND	71	ug/kg dry	50	08/28/15	B5H2803	8260	
00-42-5	Styrene	ND	71	ug/kg dry	50	08/28/15	B5H2803	8260	
8-06-6	tert-Butylbenzene	ND	71	ug/kg dry	50	08/28/15	B5H2803	8260	
5-65-0	tertiary Butyl Alcohol	ND	3500	ug/kg dry	50	08/28/15	B5H2803	8260	
94-05-8	tertiaryAmylmethylether	ND	350	ug/kg dry	50	08/28/15	B5H2803	8260	
27-18-4	Tetrachloroethylene	ND	71	ug/kg dry	50	08/28/15	B5H2803	8260	
09-99-9	Tetrahydrofuran	ND .	350	ug/kg dry	50	08/28/15	B5H2803	8260	
08-88-3	Toluene	ND	71	ug/kg dry	50	08/28/15	B5H2803	8260	
56-60-5	trans-1,2-Dichloroethylene	ND	71	ug/kg dry	50	08/28/15	B5H2803	8260	
0061-02-6	trans-1,3-Dichloropropylene	ND	71	ug/kg dry	50	08/28/15	B5H2803	8260	
10-57-6	trans-1,4-Dichloro-2-butene	ND	350	ug/kg dry	50	08/28/15	B5H2803	8260	
9-01-6	Trichloroethylene	ND	71	ug/kg dry	50	08/28/15	B5H2803	8260	
'5-69-4	Trichlorofluoromethane	ND	71	ug/kg dry	50	08/28/15	B5H2803	8260	
5-01-4	Vinyl chloride	ND	71	ug/kg dry	50	08/28/15	B5H2803	8260	
ırrogate: Bromo	fluorobenzene		107 %	40.3-19	4	08/28/15	B5H2803	8260	
arrogate: Dibron	nofluoromethane		114 %	52.1-21;	7	08/28/15	B5H2803	8260	
urrogate: Toluen	e-d8		112 %	55.4-190		08/28/15	B5H2803	8260	



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

			an in: 150						
CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Sem	ivolatiles			-				<u>-</u>	See note Y20
120-82-1	1,2,4-Trichlorobenzene	ND	470	ug/kg dry	1	09/17/15	B5I0307	8270	
95-95-4	2,4,5-Trichlorophenol	ND	770	ug/kg dry	1	09/17/15	B510307	8270	. (1000000000000000000000000000000000000
88-06-2	2,4,6-Trichlorophenol	ND	770	ug/kg dry	1.	09/17/15	B510307	8270	
120-83-2	2,4-Dichlorophenol	ND	770	ug/kg dry	1	09/17/15	B510307	8270	terminen (100000000000 kille ein fles in den besche ein den Seiner Steinen (1900)
105-67-9	2,4-Dimethylphenol	ND	770	ug/kg dry	1	09/17/15	B510307	8270	
51-28-5	2,4-Dinitrophenol	ND	4000	ug/kg dry	I	09/17/15	B510307	8270	
121-14-2	2,4-Dinitrotoluene	ND	580	ug/kg dry	1	09/17/15	B510307	8270	
606-20-2	2,6-Dinitrotoluene	ND	580	ug/kg dry	1	09/17/15	B510307	8270	- Mary etc.
91-58-7	2-Chloronaphthalene	ND	470	ug/kg dry	1	. 09/17/15	B510307	8270	
95-57-8	2-Chlorophenol	ND	770	ug/kg dry	1	09/17/15	B510307	8270	Andrew Control of the
534-52-1	2-Methyl-4,6-dinitrophenol	ND	4000	ug/kg dry	1	09/17/15	B510307	8270	
91-57-6	2-Methylnaphthalene	ND	580	ug/kg dry	1	09/17/15	B5I0307	8270	\$4000000000000000000000000000000000000
95-48-7	2-Methylphenol (o-Cresol)	ND	770	ug/kg dry	1	09/17/15	B5I0307	8270	
88-74-4	2-Nitroaniline	ND	1200	ug/kg dry	· 1	09/17/15	B510307	8270	
88-75-5	2-Nitrophenol	ND	770	ug/kg dry	1	09/17/15	B510307	8270	
108394,10644	5 3 & 4-Methylphenol	ND	1500	ug/kg dry	۲1	09/17/15	B5I0307	8270	angadan anga maka maka maka maka maka maka maka ma
9-09-2	3-Nitroaniline	ND	1200	ug/kg dry	1.	09/17/15	B510307	8270	
101-55-3	4-Bromophenyl phenyl ether	ND	470	ug/kg dry	1	09/17/15	B5I0307	8270	identia tidle den i e e e e e e e e e e e e e e e e e e
59-50-7	4-Chloro-3-methyl-phenol	ND	470	ug/kg dry	1	09/17/15	B510307	8270	
7005-72-3	. 4-Chlorodiphenylether	ND	230	ug/kg dry	1	09/17/15	B5I0307	8270	
100-01-6	4-Nitroaniline	ND	1200	ug/kg dry	1	09/17/15	B510307	8270	
100-02-7	4-Nitrophenol	ND	4000	ug/kg dry	1	09/17/15	B5I0307	8270	
83-32-9	Acenaphthene	ND	230	ug/kg dry	1	09/17/15	B510307	8270	
208-96-8	Acenaphthylene	ND	230	ug/kg dry	1	09/17/15	B5I0307	8270	and the second s
120-12-7	Anthracene	ND	230	ug/kg dry	. 1	09/17/15	B510307	8270	
103-33-3	Azobenzene	ND	470	ug/kg dry	1	09/17/15	B5I0307	8270	The second secon
56-55-3	Benz[a]anthracene	ND	, 230	ug/kg dry	1	09/17/15	B510307	8270	
50-32-8	Benzo[a]pyrene	ND	· 470	ug/kg dry	1	09/17/15	B5I0307	8270	
205-99-2	Benzo[b]fluoranthene	ND	470	ug/kg dry	i	09/17/15	B510307	8270	
191-24-2	Benzo[g,h,i]perylene	ND	470	ug/kg dry	1	09/17/15	B510307	8270	****
207-08-9	-Benzo[k]fluoranthene	ND	470	ug/kg dry	1	09/17/15	B510307	8270	
100-51-6	Benzyl Alcohol	ND	5800	ug/kg dry	.1	09/17/15	B5I0307	8270	talife talife visita in interessioni estate estate estate estate estate estate estate estate estate estate est
111-91-1	Bis(2-chloroethoxy)methane	ND ,	470	ug/kg dry	1	09/17/15	B510307	8270	
111-44-4	Bis(2-chloroethyl)ether	ND	230	ug/kg dry	1	09/17/15	B5I0307	8270	olak (Perili di sakatan katan katan Perili ,
108-60-1	Bis(2-chloroisopropyl)ether	ND	230	ug/kg dry	1 .	09/17/15	B510307	8270	
117-81-7	Bis(2-ethylhexyl)phthalate	ND	580	ug/kg dry	1	09/17/15	B5I0307	8270	Marital Control
85-68-7	Butyl benzyl phthalate	ND	580	ug/kg dry	1	09/17/15	B510307	8270	
86-74-8	Carbazole	ND	580	ug/kg dry	1	09/17/15	B5I0307	8270	ge migli the all this estate
218-01-9	Chrysene	ND	230	ug/kg dry	1	09/17/15	B510307	8270	
53-70-3	Dibenz[a,h]anthracene	ND	470	ug/kg dry	1	09/17/15	B5I0307	8270	
V	The second contract of the second contract of			and the substitute of the same of the	rilliana Pilliana		and the contract of the design of the	man Dana is to an a law and see a	
32-64-9	Dibenzofuran	ND :	580	ug/kg dry	1	09/17/15	B510307	8270	



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Sen	nivolatiles			-					See note Y20
84-66-2	Diethylphthalate	ND	580	ug/kg dry	1	09/17/15	B510307	8270	
131-11-3	Dimethyl phthalate	ND	580	ug/kg dry	1	09/17/15	B510307	8270	
84-74-2	Di-n-butyl phthalate	ND	580	ug/kg dry	1	09/17/15	B5I0307	8270	**************************************
117-84-0	Di-n-octyl phthalate	ND	580	ug/kg dry	11	09/17/15	B5I0307	8270	
206-44-0	Fluoranthene	ND	230	ug/kg dry	1	09/17/15	B510307	8270	Managaria (1904) and an anni an anni an anni an anni an anni an anni an anni an anni an anni an anni an anni a
86-73-7	Fluorene	ND	230	ug/kg dry	1 ;	09/17/15	B510307	8270	
118-74-1	Hexachlorobenzene	ND	470	ug/kg dry	1	09/17/15	B5I0307	8270	COLOR & SOMERINE STORMS STORES
87-68-3	Hexachlorobutadiene	ND	230	ug/kg dry	1.1	09/17/15	B510307	8270	
77-47-4	Hexachlorocyclopentadiene	ND	2300	ug/kg dry	1	09/17/15	B510307	8270	
67-72-1	Hexachloroethane	ND	230	ug/kg dry	1	09/17/15	B510307	8270	
193-39-5	Indeno(1,2,3-c,d)pyrene	ND	470	ug/kg dry	1	09/17/15	B5I0307	8270	
78-59-1	Isophorone	ND	230	ug/kg dry	1	09/17/15	B5I0307	8270	
91-20-3	Naphthalene	ND	230	ug/kg dry	1	09/17/15	B510307	8270	40 mai allon con vironino 4 manza 2 mai 30 st. 2000 co
98-95-3	Nitrobenzene	ND	470	ug/kg dry	1.	09/17/15	B510307	8270	
67-75-9	N-Nitrosodimethylamine	ND	580	ug/kg dry	1	09/17/15	B510307	8270	a 1999 (1945) in la black to deposit (1946) in 1946 (1946)
621-64-7	N-Nitrosodi-n-propylamine	ND	470	ug/kg dry	1	09/17/15	B510307	8270	المحتر إلا والمالية
86-30-6	N-Nitrosodiphenylamine	ND	470	ug/kg dry	1	09/17/15	B5I0307	8270	
87-86-5	Pentachlorophenol	ND	4000	ug/kg dry	1	09/17/15	B510307	8270	
85-01-8	Phenanthrene	ND	230	ug/kg dry	1	09/17/15	B5I0307	8270	
108-95-2	Phenol	ND .	770	ug/kg dry	1	09/17/15	B510307	8270	
129-00-0	Pyrene	ND	230	ug/kg dry	1	09/17/15	B5I0307	8270	alak kila sala kiri salar Araba Araba (da sala sala sala sala sala sala sala sa
Surrogate: 2,4,6-T	ribromophenol		57.5 %	20.3-11	5 +	09/17/15	B5I0307	8270	
Surrogate: 2-Fluo	robiphenyl		66.3 %	32.9-11	5	09/17/15	B5I0307	8270	t ann a ann a comhlaid i am thinn ann an daoide "deillead aire
Surrogate: 2-Fluo	rophenol		49.2 %	23.7-11	5	09/17/15	B510307	8270	
Surrogate: Nitrobe	enzene-d5		63.6 %	31.8-11	5	09/17/15	B5I0307	8270	
Surrogate: Phenol			61.8%	29.3-11	5	09/17/15	B5I0307	8270	
Surrogate: p-Terpi	And the second of the second o		80.7 %	38.5-11	Chicago a tana a	09/17/15	B5I0307	8270	BOTT SEE LESSONES (S.



P.O. Box 30270 Lansing, MI 48909 TEL: (517) 335-9800 FAX: (517) 335-9600

CAS#	Analyte	Result	RL ,	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Pesti	cides								
789-02-6	2,4'-DDT	ND	23	ug/kg dry	1	09/10/15	B5H3117	-8081/8082	
72-54-8	4,4'-DDD	ND	23	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
72-55-9	4,4'-DDE	ND .	23	ug/kg dry	. 1	09/10/15	B5H3117	8081/8082	
50-29-3	4,4'-DDT	ND	23	ug/kg dry	1	09/10/15	B5H3117	8081/8082	Antonio estracione reconstante
319-84-6	a-BHC	ND	12	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
5103-71-9	a-Chlordane	ND	23	ug/kg dry	1	09/10/15	B5H3117	8081/8082	.4.1552.1
309-00-2	Aldrin	ND	23	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
319-85-7	b-BHC	. ND	23	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
319-86-8	d-BHC	ND	23	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
60-57-1	Dieldrin	ND	23	ug/kg dry	1	09/10/15	B5H3117	8081/8082	and the second of the second o
959-98-8	Endosulfan I	ND	23	ug/kg dry	- 1	09/10/15	B5H3117	8081/8082	
33213-65-9	Endosulfan II	ND	23	ug/kg dry	1	09/10/15	B5H3117	8081/8082	Maria (2. 1987) (2. 1109) (1. 11
1031-07-8	Endosulfan sulfate	ND	23	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
72-20-8	Endrin	ND	23	ug/kg dry	1	09/10/15	B5H3117	8081/8082	D
7421-93-4	Endrin aldehyde	· ·········ND	23	ug/kg dry	1	09/10/15	B5H3117	8081/8082	nias fire
3494-70-5	Endrin ketone	ND	23	ug/kg dry	1	09/10/15	B5H3117	8081/8082	aadd dallaa oo ah ah ah ah ah ah ah ah ah ah ah ah ah
3-89-9	g-BHC (Lindane)	ND	23	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
5103-74-2	g-Chlordane	ND	23	ug/kg dry	1	09/10/15	B5H3117	8081/8082	Callin Landon (1977) Landon (1986)
76-44-8	Heptachlor	- ND	. 23	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
1024-57-3	Heptachlor epoxide	ND	23	ug/kg dry	1	09/10/15	B5H3117	8081/8082	200
87-82-1	Hexabromobenzene	'ND	120	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
72-43-5 /	Methoxychlor	ND	58	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
2385-85-5	Mirex	ND	58	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
59080-40-9	PBB (BP-6)	ND	290	ug/kg dry	1	09/10/15	B5H3117	8081/8082	
8001-35-2	Toxaphene	ND	200	ug/kg dry	1:00	09/10/15	В5Н3117	8081/8082	
Surrogate: Decachl	orobiphenyl		69.3 %	30-15	0	09/10/15	B5H3117	8081/8082	
Surrogate: Tetrachl	oro-m-xvlene		70.7%	30-15	o .	09/10/15	B5H3117	8081/8082	