NYC Mayor's Office of Environmental Remediation

NYC Brownfield Cleanup Program

Generic Template for Remedial Investigation Report

88-96 WITHERS STREET

BROOKLYN, NEW YORK

Remedial Investigation Report

NYC BCP Site Number: Site Number

Prepared for:

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November 21/2014

CERTIFICATION

I, Steven J. McGinn, am a Qualified Environmental Professional, as defined in proposed RCNY § 43-1402(ar). I have primary direct responsibility for implementation of the Remedial Investigation for the 88-96 Withers Street Site, (NYC BCP Site No. site number). I am responsible for the content of this Remedial Investigation Report (RIR), have reviewed its contents and certify that this RIR is accurate to the best of my knowledge and contains all available environmental information and data regarding the property.

Qualified Environmental Professional Date Signature

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LIST OF ACRONYMS

Acronym	Definition
AOC	Area of Concern
CAMP	Community Air Monitoring Plan
COC	Contaminant of Concern
CPP	Citizen Participation Plan
CSM	Conceptual Site Model
DER-10	New York State Department of Environmental Conservation Technical Guide 10
FID	Flame Ionization Detector
GPS	Global Positioning System
HASP	Health and Safety Plan
HAZWOPER	Hazardous Waste Operations and Emergency Response
IRM	Interim Remedial Measure
NAPL	Nonaqueous Phase Liquid
NYC BCP	New York City Brownfield Cleanup Program
NYC DOHMH	New York City Department of Health and Mental Hygiene
NYC OER	New York City Office of Environmental Remediation
NYS DOH ELAP	New York State Department of Health Environmental Laboratory Accreditation Program
OSHA	Occupational Safety and Health Administration
PID	Photoionization Detector
QEP	Qualified Environmental Professional
RI	Remedial Investigation
RIR	Remedial Investigation Report
SCO	Soil Cleanup Objective
SPEED	Searchable Property Environmental Electronic Database

EXECUTIVE SUMMARY

The Remedial Investigation Report (RIR) provides sufficient information for establishment of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy pursuant to RCNY§ 43-1407(f). The remedial investigation (RI) described in this document is consistent with applicable guidance.

Site Description, Physical Setting and Site History

The Site is located in Brooklyn, New York City and is identified as Block 2742 and Lots 17 & 20 on the New York City Tax Map. Figure 1 shows the Site location. The Site is 12,500-square feet and is bounded by Withers Street to the north, commercial and residential development to the south, Leonard Street to the east, and commercial and residential development to the west. Currently, the Site is occupied by a vacant commercial building.

The area surrounding the subject property consists of a mix of residential, commercial and industrial properties. Specifically, Withers Street is located immediately to the north, beyond which lies Badame-Sessa Memorial Square. To the south and west properties consist of commercial and residential uses. Leonard Street is located immediately to the east and properties beyond consist of commercial and residential uses. No sensitive receptors (i. e. schools, hospitals, daycare centers, etc.) are located with 500 feet of the site.

Summary of Proposed Redevelopment Plan

The development project consists of a twelve (12) story commercial and residential building. The building will have commercial units and storage space on the first floor, mechanical facilities on the second floor and residential units on the third through twelfth floors. The building will be situated on a concrete slab foundation and a poured concrete foundation that forms a partial basement. Parking will be provided on the west side of the building and will consist of ground level parking. As part of development, the referenced lot(s) are expected to be merged into a single lot.

Summary of Past Uses of Site and Areas of Concern

The building was most recently occupied by Strocchia Iron Works but it has also been occupied by a variety of industrial, commercial and manufacturing uses consisting of a fur cleaning and dying facility, an auto repair facility and a filling station. The property is listed with the New York City Department of Buildings and the Department of Planning and Zoning Map as a Hazardous Materials "e" Designation (E-138) due to current/historical petroleum of manufacturing uses.

The AOCs identified for this site include:

1. The entire property is occupied by a building that has historically been used for commercial/industrial purposes, all of which engaged in practices that could have impacted the environment.
2. Soils underlying the subject building are suspected to consist of fill material. Analytical results obtained from soil samples collected at the property confirmed elevated levels of semi-volatile organic compounds and metals in excess of their respective regulatory soil cleanup guidelines established at the time the samples were collected.
3. Due to the noted levels of volatile and semi-volatile organic compounds in soils the potential for soil vapor issues may be present at the site.
4. A groundwater sample collected during the previous Phase II ESA detected a volatile organic compound and metals that exceeded their respective standards.

Summary of the Work Performed under the Remedial Investigation

Nelson, Pope & Voorhis undertook the following scope of work:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);

2. Installed seven soil borings across the entire project Site, and collected fourteen soil samples for chemical analysis from the soil borings to evaluate soil quality;
3. Installed three groundwater monitoring wells throughout the Site to establish groundwater flow and collected three groundwater samples for chemical analysis to evaluate groundwater quality;
4. Installed six soil vapor probes around Site perimeter and collected five samples for chemical analysis. The sixth soil vapor sample could not be retrieved to a malfunction of the Summa canister.

Summary of Environmental Findings

1. Elevation of the property is approximately fifteen feet.
2. Depth to groundwater is approximately ten feet at the Site.
3. Groundwater flow is generally from east to west beneath the Site.
4. Depth to bedrock is approximately 800 feet at the Site.
5. The stratigraphy of the site, from the surface down, consists of eight feet of fill underlain by silty sand down to at least twelve feet.
6. Soil/fill samples collected during the RI showed the presence of several volatile and semi-volatile organic compounds as well as pesticides and metals. No PCBs were detected in any of the samples submitted for laboratory analysis.

   Review of the analytical results for volatile organic compounds found that only the detections of acetone in samples B-3 0-2', B-4 0'-2' and B-7 0-2' exceeded its respective Track 1 Soil Cleanup Objective (SOC). None of these concentrations of acetone exceeded its respective Track 2 SCOs.

Review of the analytical results for semi-volatile organic compounds found that only sample B-5 0-2' exhibited concentrations of semi-volatile organic compounds that exceeded their respective Track 1 and/or Track 2 SCOs.

Review of the analytical results for pesticides found that only four were found to exceed their respective Track 1 SCOs. None were found to exceed their respective Track 2 SCOs B-1 0-2' and B-3 0-2').

Review of the analytical results for metals found elevated levels of these constituents in the samples B-1 0-2', B-2 0-2', B-3 0-2', B-4 0-2', B-4 10'-12', B-5 0-2', B-6 0-2' and B-7 0-2' which exceeded their respective Track 1 SCOs and/or Track 2 SCOs.

Overall, it appears that soil impacts related to volatile and semi-volatile organic compounds as well as pesticides appear to be limited to isolated areas across the site. However, soil impacts with respect to metals appear to be more widespread. All soil impacts appear to be limited to the upper two feet of soil beneath the building slab.

7. Groundwater samples collected during the RI did not detect the presence of any pesticides or PCBs in any of the samples collected.

   Review of the analytical data for the groundwater samples collected only detected the presence of one volatile organic compound (trichloroethylene) in only one of the wells sampled. Trichloroethylene was detected in the groundwater sample retrieved from MW-2 at a concentration of 111 ug/l and exceeds its respective NYSDEC TOGS groundwater standard of 5 ug/l.

   Review of the analytical data for groundwater samples collected only detected the presence of one semi-volatile organic compound consisting of Benzoic Acid which was found in all of the wells sampled. There is no NYSDEC TOGS groundwater standard

established for Benzoic Acid and concentrations were found to range from 10.9 to 14.9 ug/l.

Unfiltered and filtered groundwater samples were collected from each of the wells and analyzed for metals. All of the unfiltered samples were found to contain several metals above their respective NYSDEC TOGS groundwater standards. Review of the filtered samples did not detect the presence of any metals which exceeded their respective NYSDEC TOGS groundwater standards.

Overall, there does not appear to be a significant issue related to impacts to groundwater underlying the site. The only constituent of concern seems to be Trichloroethylene which was detected in well MW-2 which is located in the northwestern corner of the property and was non-detect in wells MW-1 and MW-3. Since groundwater underlying the site is not utilized for consumption of potable purposes, direct exposure is not expected to occur. However, due to the shallowness of the water table a potential for soil vapor intrusion does exist and will be evaluated in the following section.

8. Soil vapor samples collected during the RI detected the presence of numerous volatile organic compounds. To assess the potential impact that soil vapor may have on the future use/development of the property, the results were assessed based on the recommendations issued in the NYSDOH Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York. Specifically, the results were compared with the Upper Fence values established in the NYSDOH 2003 Study of Volatile Organic Chemicals in Air of Fuel Oil Heated Homes. These study values are used for comparison when residential development is proposed.

   Review of the results revealed that most of the detected volatile organic compounds exceed their respective Upper Fence values. In addition, soil vapor samples collected during the RI were compared to the compounds listed in Table 3.1 Air Guideline Values Derived by the NYSDOH Final Guidance for Evaluating Soil Vapor Intrusion. Specifically, three volatile organic compounds (methylene chloride, tetrachloroethene and trichloroethene) were detected in soil vapor for which the NYSDOH have established

air guideline values. All three of these compounds were found to exceed their respective NYSDOH air guideline values.

Based on these results, it appears that elevated soil vapors from an unknown source are present beneath the subject property.

REMEDIAL INVESTIGATION REPORT

1.0 INTRODUCTION

1.1 PROJECT BACKGROUND

Caro Enterprises has enrolled in the New York City Brownfield Cleanup Program (NYC BCP) to investigate and remediate a 0.29-acre site located at 88-95 Withers Street in Brooklyn, New York City. Residential and commercial uses are proposed for the property. This RIR summarizes the nature and extent of contamination. The RI work was performed on October 7, 2014. This RIR provides sufficient information for establishment of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy that is protective of human health and the environment consistent with the use of the property pursuant to RCNY§ 43-1407(f).

1.2 SITE LOCATION AND CURRENT USAGE

The Site is located in Brooklyn, New York City and is identified as Block 2742 and Lots 17 & 20 on the New York City Tax Map. Figure 1 shows the Site location. The Site is 12,500-square feet and is bounded by Withers Street to the north, commercial and residential development to the south, Leonard Street to the east, and commercial and residential development to the west. A map of the site boundary is shown in Figure 2. Currently, the Site is occupied by a vacant commercial building.

1.3 Proposed Redevelopment Plan

The development project consists of a twelve (12) story commercial and residential building. The building will have commercial units and storage space on the first floor, mechanical facilities on the second floor and residential units on the third through twelfth floors. The building will be situated on a concrete slab foundation and a poured concrete foundation that forms a partial basement. Parking will be provided on the west side of the building and will consist of ground level parking. As part of this development, the referenced lot(s) are expected to be merged into a single lot Layout of the proposed site development is presented in Figure 3.

Current zoning designation is C 8-1 (Commercial District). The proposed site use is consistent with existing zoning for the property.

1.4 DESCRIPTION OF SURROUNDING PROPERTY

The area surrounding the subject property consists of a mix of residential, commercial and industrial properties. Specifically, Withers Street is located immediately to the north, beyond which lies Badame-Sessa Memorial Square. To the south and west properties consist of commercial and residential uses. Leonard Street is located immediately to the east and properties beyond consist of commercial and residential uses. No sensitive receptors (i. e. schools, hospitals, daycare centers, etc.) are located with 500 feet of the site.

Figure 4 shows the surrounding land usage.

2.0 SITE HISTORY

2.1 PAST USES AND OWNERSHIP

The building was most recently occupied by Strocchia Iron Works but it has also been occupied by a variety of industrial, commercial and manufacturing uses consisting of a fur cleaning and dying facility, an auto repair facility and a filling station. The property is listed with the New York City Department of Buildings and the Department of Planning and Zoning Map as a Hazardous Materials "e" Designation (E-138) due to current/historical petroleum of manufacturing uses.

2.2 PREVIOUS INVESTIGATIONS

A Phase I ESA was prepared for the subject property by AKRF, Inc. and the results were summarized in a report dated March, 2008. The subject property was noted to be occupied by an approximately 12,500 square foot (SF), single story building divided into three (3) separate units. The building was most recently occupied by Strocchia Iron Works but it has also been occupied by a variety of industrial, commercial and manufacturing uses consisting of a fur cleaning and dying facility, an auto repair facility and a filling station. The property is listed with the New York City Department of Buildings and the Department of Planning and Zoning Map as a Hazardous Materials "e" Designation (E-138) due to current/historical petroleum of manufacturing uses.

Results of the Phase I ESA revealed the presence of several recognized environmental conditions (RECs) in connection with the subject property which are summarized below:

- According to New York City Department of Buildings and the Department of Planning and Zoning Maps, the subject property is listed as a Hazardous Materials "e" Designation (E-138) due to current/historical petroleum of manufacturing uses.
- According to Historical Sanborn Maps, the western portion of the subject property was utilized by a fur cleaning and dying facility from 1905 to 1916.

- According to New York City Department of Buildings records, an oil burner application was filed for 94 Withers Street in 1961, indicating the possible presence of an oil storage tank formerly or presently on the subject property.

- Review of regulatory agency databases, historical land use atlases and a visual inspection indicated that the surrounding neighborhood has an approximately 100-year history of residential, commercial and industrial development. Active and closed status spills, petroleum storage tanks and hazardous waste generators were identified within 400 feet of the subject property.

- The subject property is likely to be underlain by historic fill material of unknown origin.

- Based on the age of the building, fluorescent lighting and lighting fixtures observed during the site inspection, these may contain PCBs and-or mercury containing components.

- Based on the age of the building, lead based paint may be present.

- Based on the age of the building, roofing and building materials may contain asbestos.

- A New York City water distribution tunnel is noted to run beneath the northwestern section of the subject property at a depth of 520 to 530 feet bgs.

Based on the findings of the Phase I ESA, a Phase II ESA was conducted by EAA, Inc. which included a geophysical survey, soil sampling and groundwater sampling. The results were provided in a report dated August 18, 2008 and are summarized below:

- Results of a Ground Penetrating Radar (GPR) survey and a magnetometer survey found no conclusive evidence that would indicate the presence of an underground storage tank being located on the subject property.

- A total of six (6) soil borings were installed on the subject property resulting in the collection of twelve (12) soil samples. Analysis of the samples did not identify the presence of any volatile organic compounds, pesticides or PCBs in any of the soil samples collected that exceeded their respective NYSDEC TAGM cleanup guidelines (the applicable regulatory standard for soils at that time). However, several semi-volatile organic compounds were found to exceed their respective NYSDEC TAGM cleanup guidelines in samples collected from four (4) of the soil borings installed as part of the investigation. In addition, several metals were also detected above their respective NYSDEC TAGM soil cleanup guidelines in samples collected from three (3) of the soil borings installed as part of the Phase II ESA investigation. Based on these results, it was concluded that the soils underlying the subject property are typical of fill material.

- One (1) groundwater sample was collected as part of the Phase II ESA investigation. Analysis of the water sample did not detect the presence of any semi-volatile organic compounds, pesticides or PCBs that exceeded the NYSDEC TOGS groundwater quality standards. However, one (1) volatile organic compound and several metals were found to exceed their respective NYSDEC TOGS groundwater quality standards.

The Phase I & II ESA reports are included in Attachment 2.

2.3 AREAS OF CONCERN

The AOCs identified for this site include:

1. The entire property is occupied by a building that has historically been used for commercial/industrial purposes, all of which engaged in practices that could have impacted the environment.

2. Soils underlying the subject building are suspected to consist of fill material. Analytical results obtained from soil samples collected at the property confirmed elevated levels of semi-volatile organic compounds and metals in excess of their

respective regulatory soil cleanup guidelines established at the time the samples were collected.

3. Due to the noted levels of volatile and semi-volatile organic compounds in soils the potential for soil vapor issues may be present at the site.

4. A groundwater sample collected during the previous Phase II ESA detected a volatile organic compound and metals that exceeded their respective standards.

Phase I & II Reports are presented in Appendix A.

3.0 PROJECT MANAGEMENT

3.1 PROJECT ORGANIZATION

The Qualified Environmental Profession (QEP) responsible for preparation of this RIR is Steven J. McGinn of Nelson, Pope & Voorhis..

3.2 HEALTH AND SAFETY

All work described in this RIR was performed in full compliance with applicable laws and regulations, including Site and OSHA worker safety requirements and HAZWOPER requirements.

3.3 MATERIALS MANAGEMENT

All material encountered during the RI was managed in accordance with applicable laws and regulations.

4.0 REMEDIAL INVESTIGATION ACTIVITIES

Nelson, Pope & Voorhis undertook the following scope of work:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Installed seven soil borings across the entire project Site, and collected fourteen soil samples for chemical analysis from the soil borings to evaluate soil quality;
3. Installed three groundwater monitoring wells throughout the Site to establish groundwater flow and collected three groundwater samples for chemical analysis to evaluate groundwater quality;
4. Installed six soil vapor probes around Site perimeter and collected five samples for chemical analysis. The sixth soil vapor sample could not be retrieved to a malfunction of the Summa canister.

4.1 GEOPHYSICAL INVESTIGATION

No geophysical investigation was conducted as part of this Remedial Investigation.

4.2 BORINGS AND MONITORING WELLS

Drilling and Soil Logging

A geologist screened the soil samples during borehole advancement for organic vapors with a Photo Ionization Detector (PID) and soils were evaluated for visual and olfactory impacts prior to collecting environmental samples. All field work was recorded in a field log. A Power Probe 9600 and a Power Probe 9100 drilling rigs were used to complete the site investigation. Two soil samples were collected from each borings for laboratory analysis. A soil sample immediately below the building slab (from the 0-2 feet interval) and a subsurface soil sample from the two foot interval beneath the proposed maximum excavation depth (10 to 12 feet bgs) were also collected. Discrete (grab) samples were taken from the aforementioned sampling intervals. Boring logs were prepared by a geologist are attached in Appendix B. Construction details for the soil borings are provided in Table 1. A map showing the location of soil borings is shown in Figure 5.

Groundwater Monitoring Well Construction

Three groundwater monitoring wells were installed including two groundwater monitor wells down-hydraulic-gradient and one up-hydraulic-gradient from the site. Monitor well locations are shown in Figure 5. Each well was installed using a Power Probe 9600 drill rig and constructed with ten feet of two-inch, .20 slot screen and appropriate riser to bring the well to surface grade. The screen zone was set so that five feet was within the water table and was placed within a gravel pack consisting of #2 Morie sand. Since the wells were temporary installations the remaining annular space was not filled in. Construction details for each monitoring well are provided in Table 1.

Survey

The location of each soil boring, soil vapor point and monitoring well was marked in the field and transcribed on a field survey for future locating and identification.

Water Level Measurement

One round of static water levels was obtained to determine general groundwater elevation and groundwater flow direction. Water level data is included in Table 2. Groundwater head measurements were collected by using an electronic water level indicator which emits a solid tone once the water table is encountered..

4.3 SAMPLE COLLECTION AND CHEMICAL ANALYSIS

Sampling performed as part of the field investigation was conducted for all AOCs and also considered other means for bias of sampling based on professional judgment, area history, discolored soil, stressed vegetation, drainage patterns, field instrument measurements, odor, or other field indicators. All media including soil, groundwater and soil vapor have been sampled and evaluated in the RIR. Discrete (grab) samples have been used for final delineation of the nature and extent of contamination and to determine the impact of contaminants on public health and the environment. The sampling performed and presented in this RIR provides sufficient

basis for evaluation of remedial action alternatives, establishment of a qualitative human health exposure assessment, and selection of a final remedy.

Soil Sampling

The soil borings were installed using a Power Probe hydraulically powered soil probing tool. Mechanized, vehicle mounted soil probe systems apply both static force and hydraulically powered percussion hammers for tool placement. Recovery of large sample volumes was facilitated with a probe-driven sampler. The probe-driven sampler consisted of a dual tube sampling system that has an outer tube that remains in the ground while the inner tube is removed along with the non-reactive plastic tube in which the soil sample has been collected. This dual tube sampling system ensures that the soil sample collected is from the selected sampling depth as the probe was advanced. Discrete samples were secured at the desired depths and were contained within a non-reactive plastic sleeve that lined the hollow probe for subsequent inspection and analysis.

Analytical QA/QC performed for soil samples consisted of one field blank and one duplicate sample. In addition, one trip blank accompanied all samples collected through transit to laboratory.

Fourteen soil samples were collected for chemical analysis during this RI. Data on soil sample collection for chemical analyses, including dates of collection and sample depths, is reported in Table 3. Figure 5 shows the location of samples collected in this investigation. Laboratories and analytical methods are shown below.

Groundwater Sampling

Representative groundwater samples were collected from each well using dedicated polyethylene bailers. Each well was purged of approximately three casing volumes and then sampled.

Analytical QA/QC performed for groundwater samples consisted of one field blank and one duplicate sample. In addition, one trip blank accompanied all samples collected through transit to laboratory.

Three groundwater samples were collected for chemical analysis during this RI. Groundwater sample collection data including dates of collection is reported in Table 3. Sampling logs with information on purging and sampling of groundwater monitor wells is included in Appendix C. Figure 5 shows the location of samples collected in this investigation. Laboratories and analytical methods are shown below.

Soil Vapor Sampling

Samples were collected in accordance with the Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York (NYSDOH October 2006). Conditions in the field may require adjustment of sampling locations.

Five soil vapor samples were collected. A sixth soil vapor sample was also scheduled to be collected but due to a malfunction of the Summa canister being used a sample was not able to be retrieved. Two soil vapor implants were set at a depth of approximately ten feet in the area of the proposed building basement and four soil vapor implants were installed immediately below the existing slab foundation in a transect of the existing property. The vapor implants were installed with a Power Probe 9100 & 9600 direct push/hollow stem auger drill rigs. Sampling occurred for the duration of a two hour sample period.

Samples were collected in appropriate sized Summa canisters that were certified clean by the laboratory and samples were analyzed by using USEPA Method TO-15. Flow rate for both purging and sampling did not exceed 0.2 L/min. One (1) to three (3) implant volumes were purged prior to the collection of any soil-gas samples. A sample log sheet was maintained summarizing sample identification, date and time of sample collection, sampling depth, identity of samplers, sampling methods and devices, soil vapor purge volumes, volume of the soil vapor extracted, vacuum of canisters before and after the samples are collected, apparent moisture content of the sampling zone, and chain of custody protocols.

4Six soil vapor probes were installed and five soil vapor samples were collected for chemical analysis during this RI. The sixth soil vapor sample could not be retrieved to a malfunction of the Summa canister. Soil vapor sampling locations are shown in Figure 5. Soil vapor sample collection data including dates of collection is reported in Table 3. Soil vapor sampling logs are included in Appendix D. Methodologies used for soil vapor assessment conform to the *NYS DOH Final Guidance on Soil Vapor Intrusion, October 2006*.

Chemical Analysis

Chemical analytical work presented in this RIR has been performed under a quality assurance program that includes the following:

Factor	Description
Quality Assurance Officer	The chemical analytical quality assurance is directed by Michael Veraldi
Chemical Analytical Laboratory	Chemical analytical laboratory(s) used in the RI is NYS ELAP certified and were Long Island Analytical Laboratories, Inc.
Chemical Analytical Methods	Soil analytical methods: • TAL Metals by EPA Method 6010C (rev. 2007); • VOCs by EPA Method 8260C (rev. 2006); • SVOCs by EPA Method 8270D (rev. 2007); • Pesticides by EPA Method 8081B (rev. 2000); • PCBs by EPA Method 8082A (rev. 2000); Groundwater analytical methods:

	• TAL Metals by EPA Method 6010C (rev. 2007); • VOCs by EPA Method 8260C (rev. 2006); • SVOCs by EPA Method 8270D (rev. 2007); • Pesticides by EPA Method 8081B (rev. 2000); • PCBs by EPA Method 8082A (rev. 2000); Soil vapor analytical methods: • VOCs by TO-15 VOC parameters..

Results of Chemical Analyses

Laboratory data for soil, groundwater and soil vapor are summarized in Table 4 through 6, respectively. Laboratory data deliverables for all samples evaluated in this RIR are provided in digital form in Appendix E.

5.0 ENVIRONMENTAL EVALUATION

5.1 GEOLOGICAL AND HYDROGEOLOGICAL CONDITIONS

Stratigraphy

Soils encountered at the site were found to consist primarily of fill material at depths ranging from approximately two to eight feet below the concrete slab foundation. Fill material was found to be comprised of silty sand and gravel mixed with a variety of construction debris consisting of concrete, brick and asphalt. Below the fill layer soils consisted silty, fine and medium sands with traces of clay down to a depth of at least twelve feet beneath the building concrete slab. Logs for each of the borings installed at the site are provided in Appendix B.

Hydrogeology

A table of water level data for all monitor wells is included in Table 2. The average depth to groundwater is ten to twelve feet below ground surface. It should be noted that during the installation of MW-2 groundwater was encountered at a depth of approximately sixteen feet below ground surface. Once the well was installed it was found to have risen to approximately 10 feet below ground surface. This may be due to the presence of a clay layer found at approximately thirteen feet and extends to a depth of eighteen feet which is acting as an aquitard limiting the upward migration of groundwater. As a result an accurate groundwater contour map could not be prepared. However, based on regional information, topography and surface water bodies it is suspected that groundwater flows toward the northwest. A map of groundwater level elevations with inferred groundwater flow direction is shown in Figure 6. Groundwater flow is from southeast to the northwest.

5.2 SOIL CHEMISTRY

Review of the analytical results for soil samples collected as part of this investigation detected the presence of several volatile and semi-volatile organic compounds as well as pesticides and metals. No PCBs were detected in any of the samples submitted for laboratory analysis.

Review of the analytical results for volatile organic compounds found that only the detections of acetone in samples B-3 0-2', B-4 0-2' and B-7 0-2' exceeded its respective Track 1 Soil Cleanup Objective (SOC) with detections ranging from 82.6 to 189 ug/kg.

Review of the analytical results for semi-volatile organic compounds found that only sample B-5 0-2' exhibited concentrations of semi-volatile organic compounds that exceeded their respective Track 1 and/or Track 2 SCOs. Specifically, Benzo-a-Anthracene at 6,080 ug/kg, Benzo-b-Flouranthene at 7,730 ug/kg Benzo-a-Pyrene at 5,630 ug/kg, Indeno(1,2,3-c,d) Pyrene at 4,670 ug/kg and Dibenzo-a,h-Anthracene at 851 ug/kg were all detected at concentration that exceeded their respective Track 1 and Track 2 SCOs. In addition, Chrysene and Benzo-k-Flouranthene were detected at concentrations of 5,660 ug/kg and 2,810 ug/kg, respectively and only exceeded the Track 1 SCOs established for each.

Review of the analytical results for pesticides found that only four were found to exceed their respective Track 1 SCOs. None were found to exceed their respective Track 2 SCOs. Specifically, the pesticides 4,4-DDE, 4,4-DDD and 4,4-DDT were detected in samples B-1 0-2' and B-3 0-2' at concentrations ranging from 4.30 to 25.5 ug/kg (4,4-DDE), 9.31 to 22.4 ug/kg (4,4-DDD) and 58 to 159 ug/kg (4,4-DDT). Dieldrin was also detected above its respective Track 1 SCOs in sample B-3 0-2' at a concentration of 13.8 ug/kg. It should be noted that none of the other samples submitted for laboratory analysis exhibited the presence any pesticide compounds.

Review of the analytical results for metals found elevated levels of these constituents in the samples B-1 0-2', B-2 0-2', B-3 0-2', B-4 0-2', B-4 10'-12', B-5 0-2', B-6 0-2' and B-7 0-2' which exceeded their respective Track 1 SCOs and/or Track 2 SCOs. Specifically, the metals detected and ranges of concentration consisted of arsenic (16.1 to 21.3 mg/kg), barium (351 to 576 mg/kg), chromium (30.5 to 34.5 mg/kg), copper (97.2 to 485 mg/kg), lead (76.9 to 1,410 mg/kg), manganese (1,960 mg/kg), zinc (137 to 954 mg/kg) and mercury (0.35 to 5.88 mg/kg). Only the detections of arsenic in samples B-5 0-2'and B-7 0-2'; barium in sample B-5 0-2'; copper in samples B-5 0-2' and B-7 0-2'; lead in samples B-1 0-2'B-5 0-2' and B-7 0-2';and mercury in samples B-1 0-2'and B-5 0-2' were found to exceed their respective Track 2 SCOs.

Overall, it appears that soil impacts related to volatile and semi-volatile organic compounds and well as pesticides appears to be limited to isolated areas across the site. However, soil impacts with respect to metals appear to be more widespread. All soil impacts appear to be limited to the upper two feet of soil beneath the building slab.

Data collected during the RI is sufficient to delineate the vertical and horizontal distribution of contaminants in soil/fill at the Site. A summary table of data for chemical analyses performed on soil samples is included in Table 4. Figure 7 shows the location and posts the values for soil/fill that exceed the 6NYCRR Part 375-6.8 Track1 & 2 Soil Cleanup Objectives.

5.3 GROUNDWATER CHEMISTRY

Review of the analytical results for groundwater samples collected from the subject property did not detect the presence of any pesticides or PCBs in any of the samples collected.

Review of the analytical data for the groundwater samples collected only detected the presence of one volatile organic compound in only one of the wells sampled. Trichloroethylene was detected in the groundwater sample retrieved from MW-2 at a concentration of 111 ug/l and exceeds its respective NYSDEC TOGS groundwater standard of 5 ug/l.

Review of the analytical data for groundwater samples collected only detected the presence of one semi-volatile organic compound consisting of Benzoic Acid which was found in all of the wells sampled. There is no NYSDEC TOGS groundwater standard established for Benzoic Acid and concentrations were found to range from 10.9 to 14.9 ug/l.

Unfiltered and filtered groundwater samples were collected from each of the wells and analyzed for metals. All of the unfiltered samples were found to contain several metals above their respective NYSDEC TOGS groundwater standards. Specifically the metals detected and ranges of concentration consisted of barium (3.85 to 22.2 ug/l), beryllium (0.02 to 0.06 ug/l), cadmium (0.02 to 0.04 ug/l), chromium (1.50 to 2.69 ug/l), copper (1.04 to 1.24 ug/l) and iron (983 to 2,930 ug/l). Review of the filtered samples did not detect the presence of any metals which exceeded their respective NYSDEC TOGS groundwater standards.

Overall, there does not appear to be a significant issue related to impacts to groundwater underlying the site with the exception of Trichloroethylene which was detected in well MW-2

and is located in the northwestern corner of the property. Trichloroethylene was non-detect in wells MW-1 and MW-3. Since groundwater underlying the site is not utilized for consumption of potable purposes direct exposure is not expected to occur. However, due to the shallowness of the water table a potential for soil vapor intrusion does exist and will be evaluated in the Section 5.4.

Data collected during the RI is sufficient to delineate the distribution of contaminants in groundwater at the Site. A summary table of data for chemical analyses performed on groundwater samples is included in Table 5. Exceedance of applicable groundwater standards are shown.

Figure 8 shows the location and posts the values for groundwater that exceed the New York State 6NYCRR Part 703.5 Class GA groundwater standards.

5.4 SOIL VAPOR CHEMISTRY

Review of the analytical data for the five soil vapor samples collected detected the presence of numerous volatile organic compounds. To assess the potential impact that soil vapor may have on the future use/development of the property the results were assessed based on the recommendations issued in the NYSDOH Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York. Specifically, the results were compared with the Upper Fence values established in the NYSDOH 2003 Study of Volatile Organic Chemicals in Air of Fuel Oil Heated Homes. These study values are used for comparison when residential development is proposed.

Review of the results revealed that most of the detected volatile organic compounds exceed their respective Upper Fence values and consist of acetone (160 to 270 un/m^3), benzene (15 to 40 ug/m^3), 2-Butanone (28 to 32 ug/m^3), chloromethane (0.59 ug/m^3), chloroform (2.2 to 3.2 ug/m^3), hexane (32 to 440 ug/m^3), ethylbenzene (12 to 56 ug/m^3), cyclohexane (14 to 110 ug/m^3), methylene chloride (160 un/m^3), tetrachloroetene (11 to 31 ug/m^3), trichloroethene (2.1 to 34 ug/m^3), tetrahydrofuran (5.3 ug/m^3), toluene (82 to 190 ug/m^3), 1,1-dichlorethylene (1.1 ug/m^3, 1,2,4-trimethylbenzene (12 to 81 ug/m^3), 1,3,5-trimethylbenzene 12 to 20 ug/m^3), o-xylene (16 to 76 ug/m^3) and m/p-xylene (28 to 240 ug/m3).

In addition, soil vapor samples collected during the RI were compared to the compounds listed in Table 3.1 Air Guideline Values Derived by the NYSDOH Final Guidance for Evaluating Soil Vapor Intrusion. Specifically, three volatile organic compounds (methylene chloride, tetrachloroethene and trichloroethene) were detected in soil vapor for which the NYSDOH have established air guideline values. Methylene chloride was found to exceed its NYSDOH air guideline value of 60 ug/m^3 in vapor point SV-6 at a concentration of 160 ug/m^3, tetrachloroethene was detected above its NYSDOH air guideline value of 30ug/m^3 in soil vapor point SV-2 at a concentration of 31 ug/m^3 and trichloroethene was detected above its NYSDOH air guideline value of 5 ug/m^3 in SV-5 at a concentration of 10 ug/m^3.

Based on these results, it appears that elevated soil vapors from an unknown source are present beneath the subject property.

Data collected during the RI is sufficient to delineate the distribution of contaminants in soil vapor at the Site. A summary table of data for chemical analyses performed on soil vapor samples is included in Table 6.

Figure 9 shows the location and posts the values for soil vapor samples with detected concentrations.

5.5 PRIOR ACTIVITY

Based on an evaluation of the data and information from the RIR, disposal of significant amounts of hazardous waste is not suspected at this site.

5.6 IMPEDIMENTS TO REMEDIAL ACTION

There are no known impediments to remedial action at this property.

TABLE

Table 1

Construction Details for Soil Borings and Monitoring Wells

	Identification Number	Date of construction	Total Depth	Diameter	Ground surface elevation	Screened interval (Elevation Range)	Construction Material (PVC, steel, etc)	GPS Coordinates
Soil Borings	B-1	10/7/14	10-12 ft	2-inches	17.5 ft	Not Applicable	Not Applicable	Not Applicable
	B-2	10/7/14	10-12 ft	2-inches	17.5 ft			
	B-3	10/7/14	10-12 ft	2-inches	17.5 ft			
	B-4	10/7/14	10-12 ft	2-inches	17.5 ft			
	B-5	10/7/14	10-12 ft	2-inches	17.5 ft			
	B-6	10/7/14	10-12 ft	2-inches	17.5 ft			
	B-7	10/7/14	10-12 ft	2-inches	17.5 ft			
Monitor Wells	MW-1	10/7/14	15 ft	1-inch	17.5 ft	5 ft to 15 ft	PVC	Not Applicable
	MW-2	10/7/14	15 ft	1-inch	17.5 ft	5 ft to 15 ft	PVC	
	MW-3	10/7/14	15 ft	1-inch	17.5 ft	5 ft to 15 ft	PVC	

Table 2

Groundwater Level Data

Monitoring Well ID No.	Date	Water Elevation
MW-1	10/7/14	8.79 ft
MW-2	10/7/14	6.68 ft
MW-3	10/7/14	8.13 ft

Table 3

Analytical Methods Summary

Matrix	Number of Samples	Analytical parameters measured	Analytical methods	Number of duplicate samples	Number and type of QA/QC samples
Soil	14	VOCs SVOCs Metals Pesticides PCBs	8260 8270 6010/7471 8081 8082	1	1 Duplicate 1 Field Blank 1 Trip Blank
Groundwater	3	VOCs SVOCs Metals Pesticides PCBs	8260 8270 6010/7471 8081 8082	1	1 Duplicate 1 Field Blank 1 Trip Blank
Soil vapor	5[1]	VOCs	TO-15	None	None

1 - Six samples were originally scheduled to be collected but only five were retrieved due to Summa canister malfunction.

Table 4
Soil Boring Sample Analytical Results

Constituents	B-1 0-2	B-1 10-12	B-2 0-2	B-2 10-12	B-3 0-2	B-3 10-12	B-4 0-2	B-4 10-12	B-5 0-2	B-5 10-12	B-6 0-2	B-6 10-12	B-7 0-2	B-7 10-12	6 NYCRR Part 375 Unrestricted Use Track 1	*6 NYCRR Part 375 Restricted Residential Track 2*
Semi-Volatiles	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
Naphthalene	ND	ND	77.3	ND	ND	ND	ND	ND	345	ND	ND	ND	ND	ND	12,000	100,000
Acenaphthylene	ND	ND	ND	ND	ND	ND	ND	ND	279	ND	ND	ND	ND	ND	100,000	100,000
Acenaphthene	ND	ND	48.4	ND	ND	ND	64.9	ND	726	ND	ND	ND	ND	ND	20,000	100,000
Dibenzofuran	ND	ND	97.6	ND	ND	ND	ND	ND	455	ND	ND	ND	ND	ND	NV	NV
Flourene	ND	ND	82.7	ND	ND	ND	56.8	ND	690	ND	ND	ND	ND	ND	30,000	100,000
Pentachlorphenol	341	ND	ND	ND	ND	69.8	ND	67.3	ND	ND	ND	ND	ND	ND	800	6,700
Phenanthrene	292	ND	1,070	ND	270	ND	606	ND	8,930	ND	475	ND	694	ND	100,000	100,000
Anthracene	ND	ND	138	ND	69.7	ND	141	ND	1,600	ND	94.9	ND	177	ND	100,000	100,000
Carbazole	ND	ND	126	ND	ND	ND	76	ND	910	ND	67.5	ND	ND	ND	NV	NV
Di-n-butyl-phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	46	ND	ND	ND	NV	NV
Flouranthene	485	ND	1,090	ND	481	ND	932	ND	11,100	ND	912	ND	1,010	ND	100,000	100,000
Pyrene	443	ND	886	ND	401	ND	814	ND	10,200	ND	733	ND	1,050	ND	100,000	100,000
Butyl benzyl phthalate	546	338	ND	ND	ND	110	ND	93.8	ND	ND	299	ND	ND	ND	NV	NV
Benzo-a-Anthracene	292	ND	490	ND	270	ND	497	ND	***6,080***	ND	518	ND	646	ND	1,000	1,000
Chrysene	288	ND	478	ND	254	ND	463	ND	**5,660**	ND	587	ND	669	ND	1,000	3,900
3,3'-Dichlorobenzene	337	ND	ND	ND	67.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	NV	NV
Bis(2-Ethylhexyl)phthalate	462	148	88.2	89.9	110	136	106	132	706	89.3	133	92.9	ND	97.3	NV	NV
Di-n-octyl phthalate	ND	ND	ND	ND	ND	ND	ND	97.6	ND	ND	ND	ND	ND	ND	NV	NV
Benzo-b-Flouranthene	ND	ND	525	ND	364	ND	615	ND	***7,730***	ND	983	ND	762	ND	1,000	1,000
Benzo-k-Flouranthene	ND	ND	266	ND	120	ND	286	ND	**2,810**	ND	309	ND	318	ND	800	3,900
Benzo-a-Pyrene	ND	ND	415	ND	264	ND	461	ND	***5,630***	ND	586	ND	655	ND	1,000	1,000
Indeno(1,2,3-c,d)Pyrene	277	ND	304	ND	232	ND	400	ND	***4,670***	ND	665	ND	509	ND	500	500
Dibenzo-a,h-Anthracene	ND	ND	67.1	ND	ND	ND	67.9	ND	***851***	ND	134	ND	ND	ND	330	330
Benzo-g,h,i-Perylene	504	ND	213	ND	185	ND	314	ND	3,820	ND	544	ND	432	ND	100,000	100,000
Pesticides	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
trans-Chlordane	ND	ND	ND	ND	8.51	ND	ND	ND	ND	ND	ND	ND	ND	ND	NV	NV
cis-Chlordane	ND	ND	ND	ND	11.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	NV	NV
4,4-DDE	**4.30**	ND	ND	ND	**25.5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.3	8,900
Dieldrin	ND	ND	ND	ND	**13.8**	ND	ND	ND	ND	ND	ND	ND	ND	ND	5	200
4,4-DDD	**22.4**	ND	ND	ND	**9.31**	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.3	13,000
4,4-DDT	**159**	ND	ND	ND	**58**	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.3	7,900
Chlordane	ND	ND	ND	ND	39.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	94	4,200
Volatiles	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
Acetone	ND	ND	ND	ND	**82.6**	ND	**189**	ND	ND	ND	ND	ND	**128**	ND	50	100,000
Methylene Chloride	ND	ND	ND	ND	ND	ND	9.96	7.63	ND	ND	ND	ND	11.6	ND	50	100,000

Notes: Bold and Shaded – Concentration exceeds NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives.
Italic – Concentration exceeds NYSDEC Part 375 Restricted Residential Use Soil Cleanup Objectives.
NV – No Cleanup Objective Value.
ND – Non-detect.

Table 4, Continued

Soil Boring Sample Analytical Results

Constituents	B-1 0-2	B-1 10-12	B-2 0-2	B-2 10-12	B-3 0-2	B-3 10-12	B-4 0-2	B-4 10-12	B-5 0-2	B-5 10-12	B-6 0-2	B-6 10-12	B-7 0-2	B-7 10-12	6 NYCRR Part 375 Unrestricted Use Track 1	*6 NYCRR Part 375 Restricted Residential Track 2*
Metals	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**ug/kg**
Aluminum	8,440	5,880	10,900	6,320	6,230	6,180	7,250	5,160	7,030	6,910	10,800	5,590	10,100	6,760	NV	NV
Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	11.6	ND	NV	NV
Arsenic	3.50	ND	2.07	2.12	3.04	3.17	4.64	1.71	***21.3***	ND	8.48	2.24	***16.1***	ND	13	16
Barium	**351**	41	81.5	41.2	218	42.5	85.3	99.5	***576***	40.8	131	56.1	320	31.3	350	400
Calcium	21,600	699	5,440	1,410	7,190	1,300	5,690	998	24,100	928	30,200	1,760	5,970	1,100	NV	NV
Chromium	19.4	16.2	17.4	19.9	14.7	25.8	11.2	11.1	**30.5**	18.6	25.6	20.6	**34.5**	23.1	30	110
Cobalt	7.34	8.39	6.81	9.37	6.24	9.13	6.02	5.15	8.33	7.58	7.63	8.33	7.56	10.9	NV	NV
Copper	41.7	12.5	26	16.1	27.2	16.6	19.5	11.5	***485***	13.1	**97.2**	19.6	***462***	15.4	50	270
Iron	22,300	22,300	20,800	33,400	19,200	28,700	14,100	20,100	26,900	17,400	28,900	26,700	25,300	24,900	NV	NV
Lead	***539***	5.60	**103**	8.21	**151**	6.69	**76.9**	3.93	***1,410***	6.76	**160**	11.1	***672***	6.33	63	400
Magnesium	3,280	1,530	2,230	2,350	2,000	1,930	2,050	1,720	1,690	1,280	2,350	1,650	2,070	2,060	NV	NV
Manganese	373	627	561	504	277	188	219	**1,960**	366	319	519	530	573	149	1,600	2,000
Nickel	11.7	10.8	11	13.3	9.39	16.5	18.2	11.9	15.5	10.2	20.2	14.4	17.5	15.1	30	310
Potassium	1,450	796	1,080	1,380	948	1,210	777	993	1,260	863	1,610	1,010	1,240	1,400	NV	NV
Sodium	319	57.8	130	117	153	130	245	85.9	508	61.1	579	102	1,840	55.5	NV	NV
Thalium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.38	ND	ND	2.27	NV	NV
Vandium	26.6	24	24.9	31.8	22	30.6	17.4	19.1	25.1	31.3	30.8	28.5	26	30.6	NV	NV
Zinc	**220**	29.8	65.7	53.8	**196**	38.1	63.7	25.7	**954**	28.2	**137**	38	**728**	41.6	109	10,000
Mercury	***2.45***	ND	0.02	ND	**0.56**	ND	0.11	ND	***5.88***	0.04	0.11	ND	**0.35**	ND	0.18	0.81
Cyanide	ND	ND	0.31	ND	0.12	ND	ND	ND	1.53	ND	0.55	ND	0.76	ND	27	27

Notes: ND - Not Detected; NS – No Standard;
ug/kg – micrograms per kilogram; mg/kg – milligrams per kilogram
Bold indicates the constituent exceeds the Unrestricted Use regulatory guidance values.
Italic indicates the constituent exceeds the Restricted Residential regulatory guidance values

TABLE 5A
GROUNDWATER SAMPLE RESULTS
VOLATILE AND SEMI-VOLATILE ORGANIC COMPOUNDS

Constituents	MW-1	MW-2	MW-3	1.1.1 T.O.G.S.
Volatiles	**ug/kg**	**ug/kg**	**ug/kg**	**ug/kg**
Trichloroethylene	ND	**111**	ND	5
Semi-Volatiles				
Benzoic Acid	13.7	10.9	14.9	NS

TABLE 5B
GROUNDWATER SAMPLE RESULTS
METALS

Constituent	MW-1 Unfiltered	MW-1 Filtered	MW-2 Unfiltered	MW-2 Filtered	MW-3 Unfiltered	MW-3 Filtered	1.1.1 T.O.G.S.
Metals	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Aluminum	807	ND	1,010	0.05	560	0.5	NS
Calcium	172	0.29	190	88.1	135	82.3	NS
Arsenic	ND	ND	ND	ND	0.09	ND	0.025
Barium	**3.85**	ND	**22.2**	0.06	**4.39**	ND	1
Beryllium	**0.04**	ND	**0.06**	ND	**0.02**	ND	0.003
Cadmium	**0.02**	ND	**0.04**	ND	**0.02**	ND	0.005
Chromium	**1.58**	ND	**2.69**	ND	**1.50**	ND	0.05
Cobalt	0.42	ND	0.84	ND	0.47	ND	NS
Copper	**1.24**	ND	**2.64**	ND	**1.04**	ND	0.2
Iron	**1,530**	ND	**2,930**	0.07	**983**	0.75	300
Lead	0.482	ND	1.18	ND	0.481	ND	25
Magnesium	137	ND	352	33.6	88.2	25.3	35,000
Manganese	9.10	ND	172	0.41	22.2	2.89	300
Nickel	0.87	ND	1.43	ND	0.95	ND	100
Potassium	119	ND	188	12.9	65.4	11.7	NS
Selenium	ND	ND	0.06	ND	0.03	ND	10
Silver	ND	ND	0.007	ND	ND	ND	50
Sodium	32.2	0.25	38.2	39.3	25.1	31.2	20,000
Thallium	0.18	ND	0.08	ND	0.05	ND	0.5
Vanadium	1.22	ND	2.01	ND	1.67	ND	NS
Zinc	3.26	ND	4	ND	1.99	ND	2,000

TABLE 6
SOIL GAS AND AMBIENT AIR SAMPLE RESULTS

Parameter	NYSDOH Air Guideline Values	Indoor Guidance Levels	Results (ug/m^3)					
			SV-1	SV-2	SV-3	SV-4	SV-5	SV-6
Acetone	*NGV*	115	11	**270**	**160**	NSC	97	260
Benzene	*NGV*	13	**26**	**15**	**40**	NSC	9	**14**
2-Hexanone	*NGV*	NGV	ND	ND	ND	NSC	11	ND
2-Butanone	*NGV*	16	2.6	**32**	**28**	NSC	ND	**17**
1,3-Butadine	*NGV*	NGV	ND	ND	ND	NSC	ND	14
Carbon Disulfide	*NGV*	NGV	1.2	7.2	99	NSC	24	16
Chloromethane	*NGV*	0.4	ND	ND	ND	NSC	**0.58**	ND
Chloroform	*NGV*	1.2	**2.2**	**3.2**	ND	NSC	**1.3**	**1.3**
Dichlorodifluoromethane	*NGV*	10	1.9	2.8	ND	NSC	2.1	2.1
4-Ethyl Toluene	*NGV*	NGV	79	47	14	NSC	44	44
Hexane	*NGV*	14	**52**	**32**	**440**	NSC	**59**	**57**
Heptane	*NGV*	NGV	31	21	100	NSC	24	17
Isopropanol	*NGV*	NGV	1.5	46		NSC	1.5	3.5
Ethylbenzene	*NGV*	6.4	**56**	**48**	**12**	NSC	**23**	**24**
Cyclohexane	*NGV*	6.3	**14**	**8.6**	**110**	NSC	5	**17**
Chloromethane	*NGV*	4.2	0.38	ND	ND	NSC	ND	1.1
Methylene Chloride	*60*	16	ND	ND	ND	NSC	3.9	***160***
Tetrachloroethene	*30*	2.5	**11**	***31***	ND	NSC	1.7	ND
Trichloroethene	*5*	0.5	ND	ND	***34***	NSC	***10***	**2.1**
Tetrahydrofuran	*NGV*	0.8	ND	ND	ND	NSC	ND	**5.3**
Toluene	*NGV*	57	**190**	**170**	26	NSC	**82**	**94**
Trichloroflouromethane	*NGV*	12	1.2	ND	ND	NSC	1.6	3.2
1,1-Dichloroethylene	*NGV*	0.4	ND	ND	ND	NSC	**1.1**	ND
1,2,4-Trimethylbenzene	*NGV*	9.8	**81**	**48**	**12**	NSC	**49**	**51**
1,3,5-Trimethylbenzene	*NGV*	3.9	**20**	**12**	ND	NSC	**12**	**12**
o-xylene	*NGV*	7.1	**76**	**61**	**16**	NSC	**34**	**35**
m/p-xylene	*NGV*	11	**240**	**180**	**28**	NSC	**100**	**110**

Notes: Upper Fence values from USEPA Base Data for Indoor Air Concentrations used for comparison with indoor and outdoor air.
ug/m^3 – micrograms per cubic meter; NGV – No value provided in USEPA Base Data.
Bold and Blue Shaded – detection exceeds its applicable USEPA Upper Fence value for indoor air.
Bold and Orange Shaded – detection exceeds its applicable USEPA Upper Fence value for outdoor air.
Italic – Detection exceeds its established NYSDOH Air Guideline Value.
NSC – Sample was not collected due to SUMMA canister failure.
NGV – No Guidance Value established.
ND – Non-detect.

FIGURES

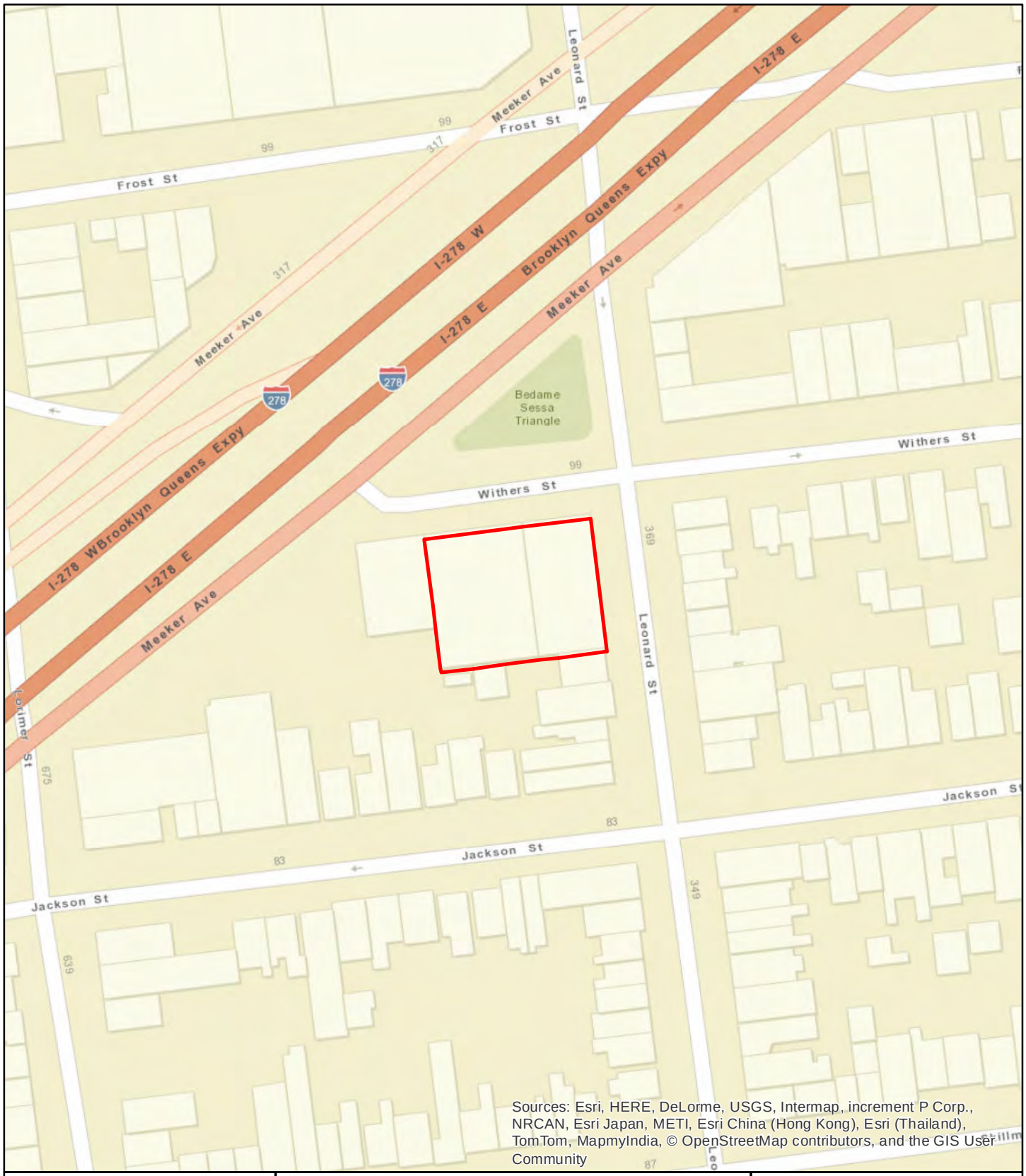

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FIGURE 1
SITE LOCATION MAP

Source: ESRI web map service

Scale: 1 inch = 100 feet

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88-96 Withers St

Brooklyn

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FIGURE 2
SITE BOUNDARY MAP

Source: NYS Orthophotography, 2012

Scale: 1 inch = 50 feet

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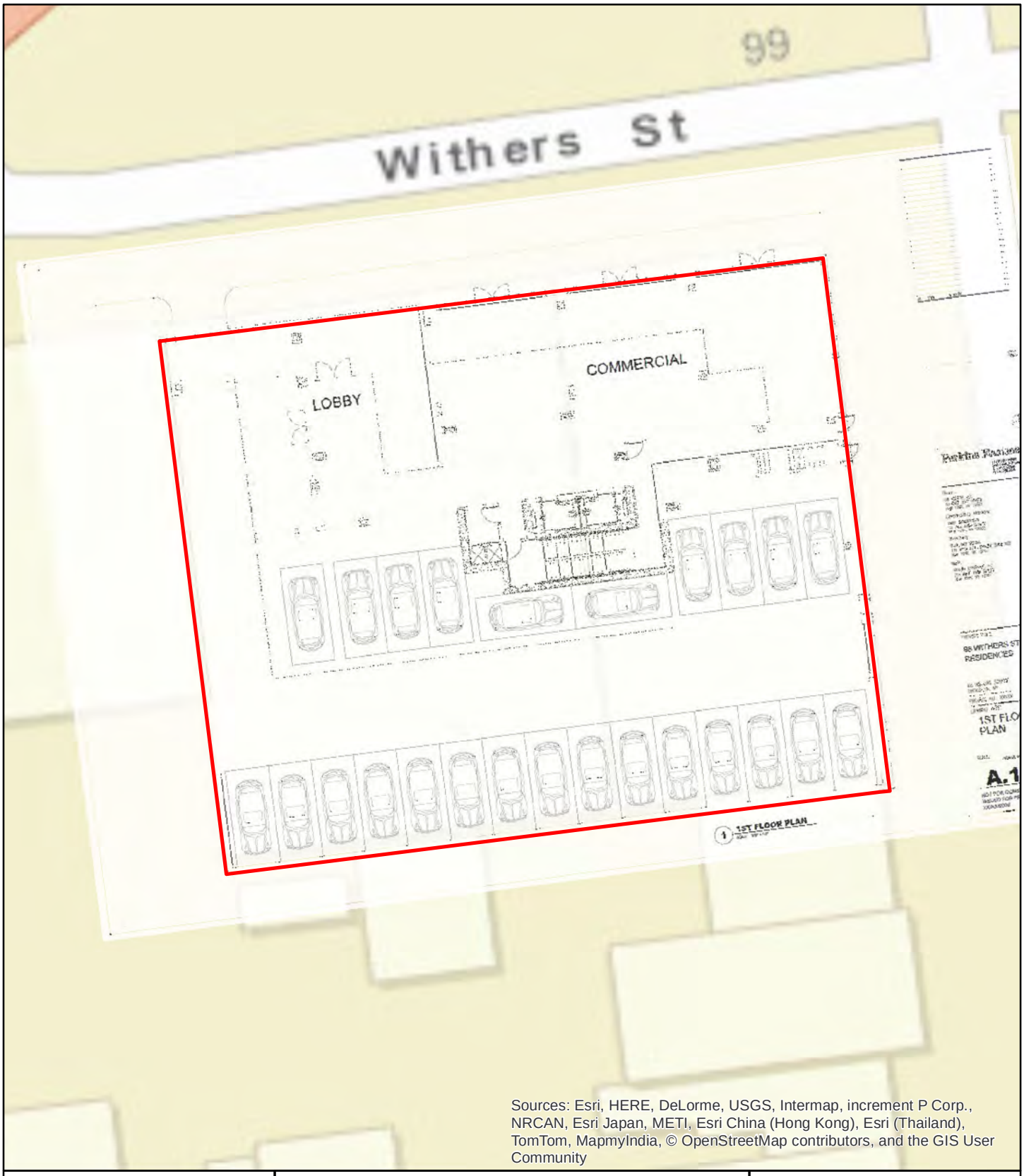

Sources: Esri, HERE, DeLorme, USGS, Intermap, increment P Corp., NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

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FIGURE 3
PROPOSED SITE DEVELOPMENT

Source: ESRI, WMS; Perkins Eastman plans

Scale: 1 inch = 25 feet

N

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FIGURE 4
SURROUNDING LAND USE MAP

Source: ESRI, WMS; NYC Oasis Web Map

Scale: 1 inch = 100 feet

N

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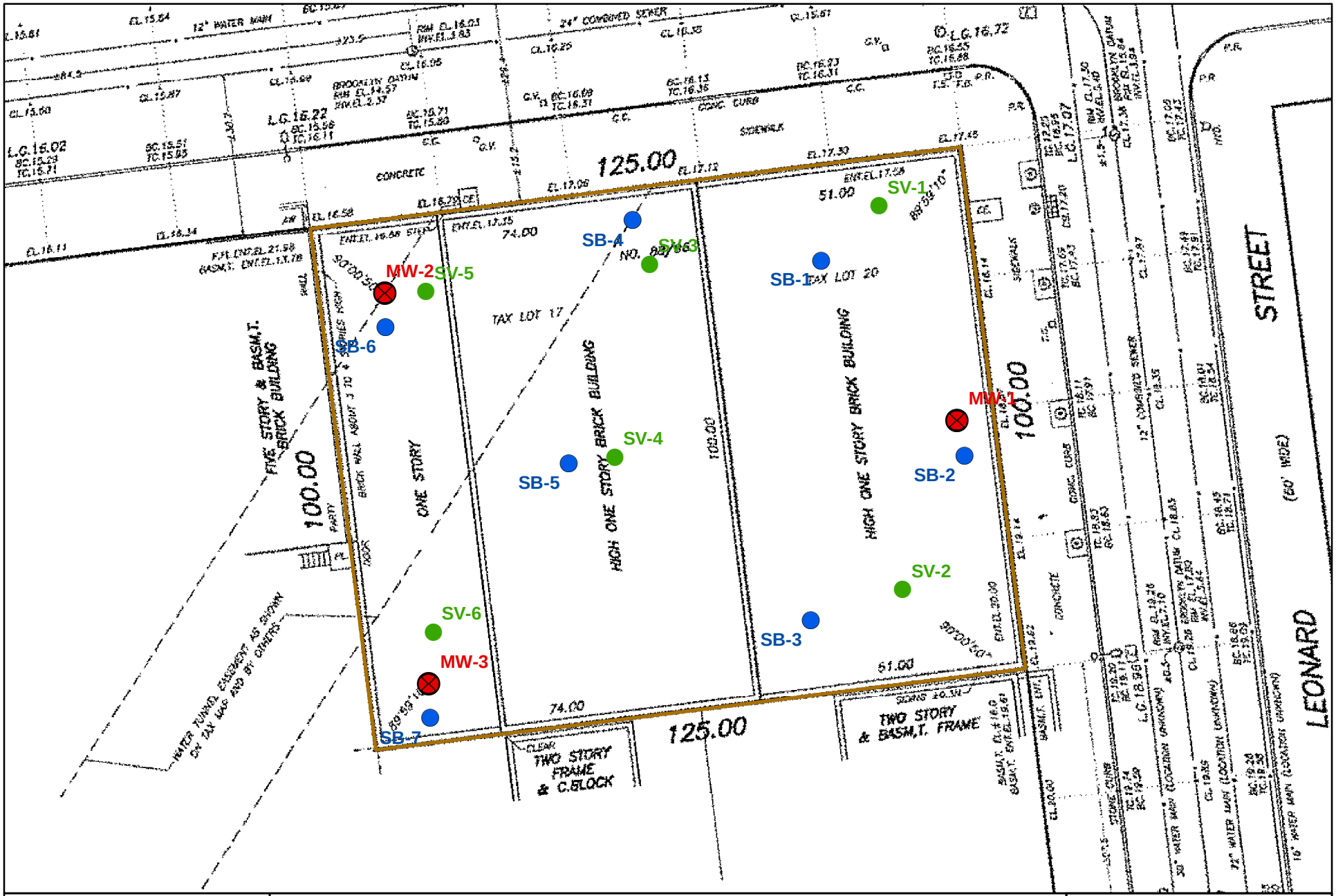

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FIGURE 5
LOCATION OF SOIL BORINGS, WELLS AND SOIL VAPOR SITES

Source: base from NYS Orthophotography, 2012;
Surveyors Plans, architectural survey
Scale: 1 inch = 25 feet

N

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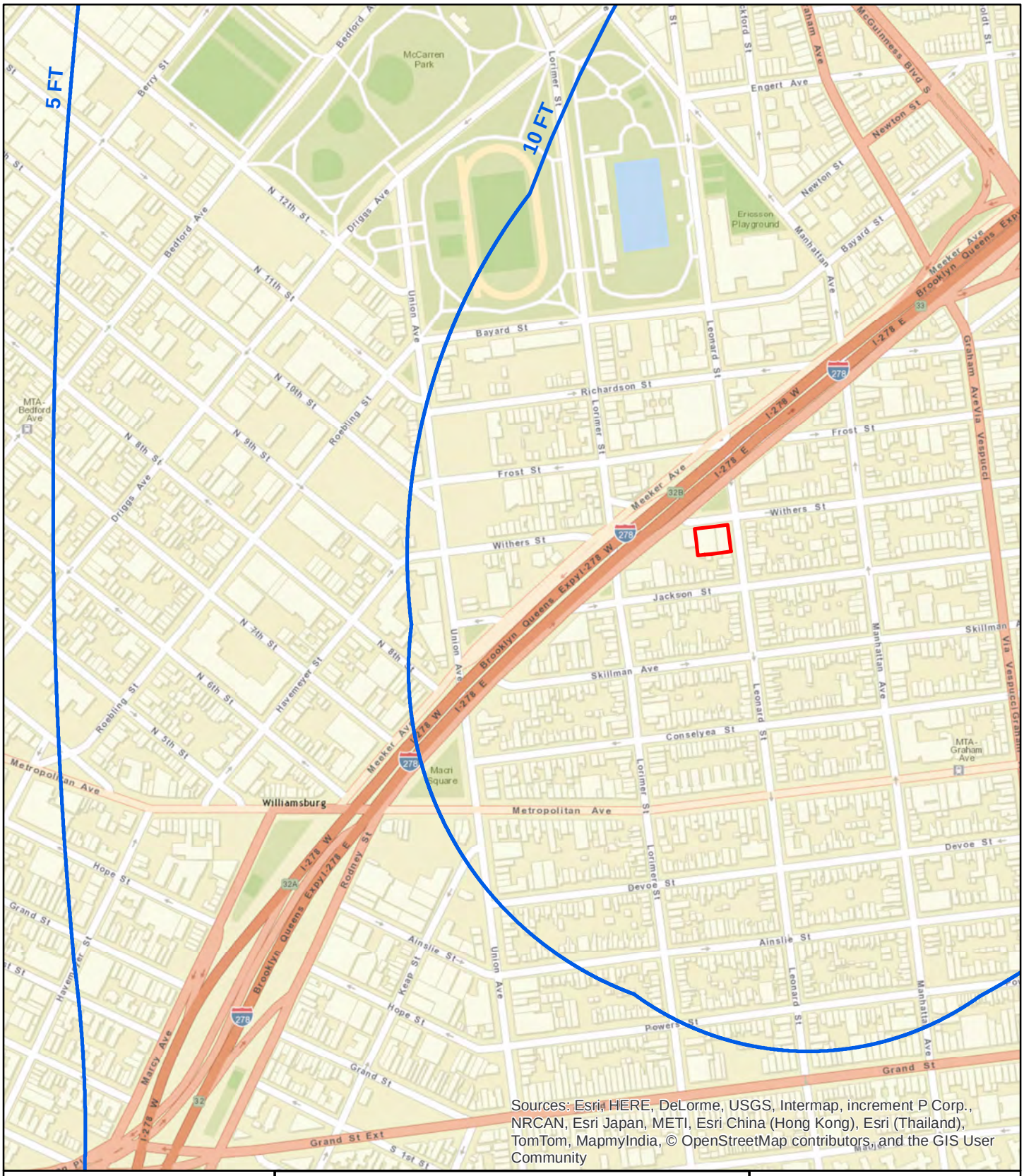

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FIGURE 6
WATER TABLE CONTOUR MAP

Source: ESRI Web Mapping Service, USGS Scientific Investigations Map 3270, 2010 data
Scale: 1 inch = 500 feet

N

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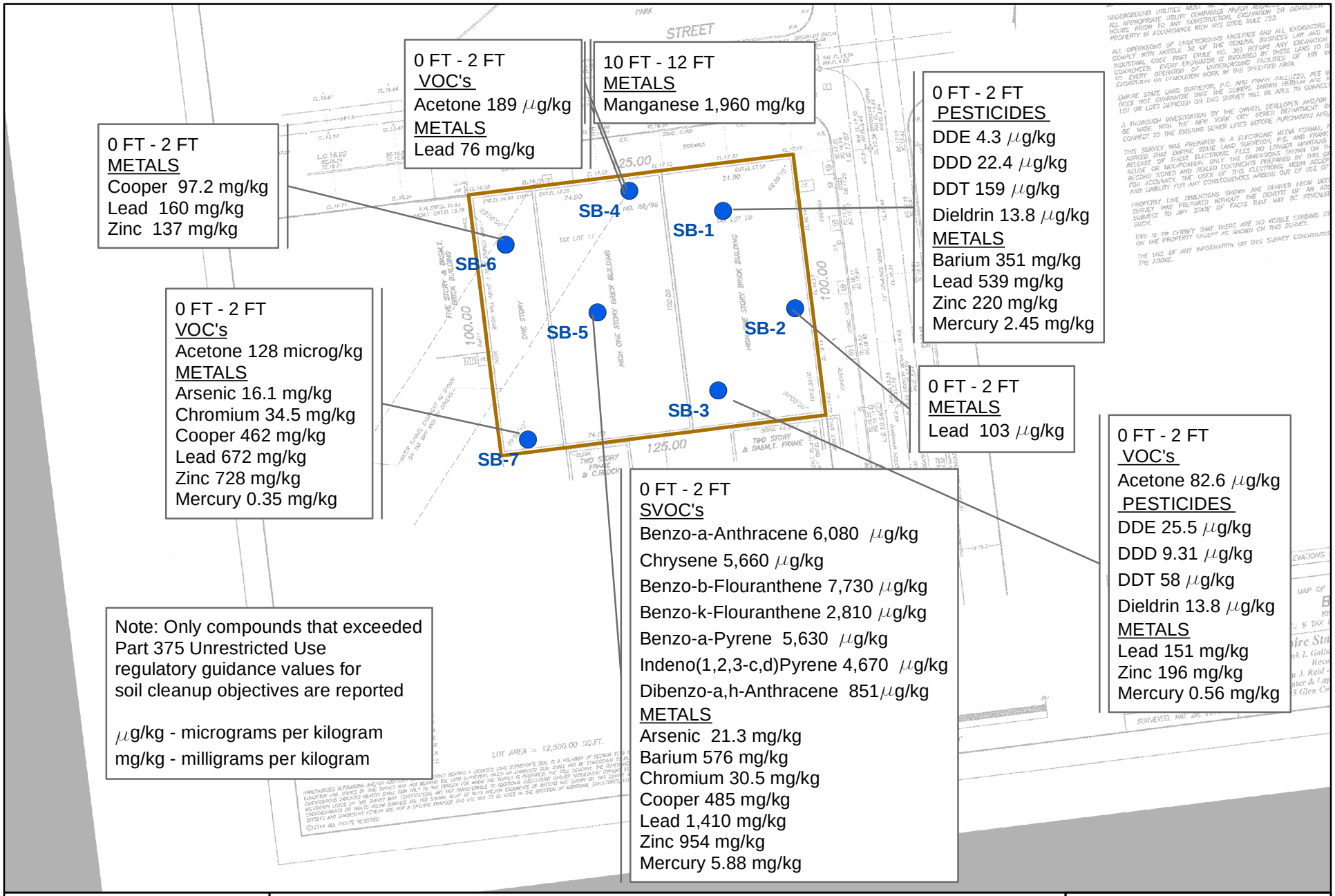

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FIGURE 7
MAP OF SOIL CHEMISTRY RESULTS

Source: base from NYS Orthophotography, 2012;
Surveyors Plans, architectural survey
Scale: 1 inch = 50 feet

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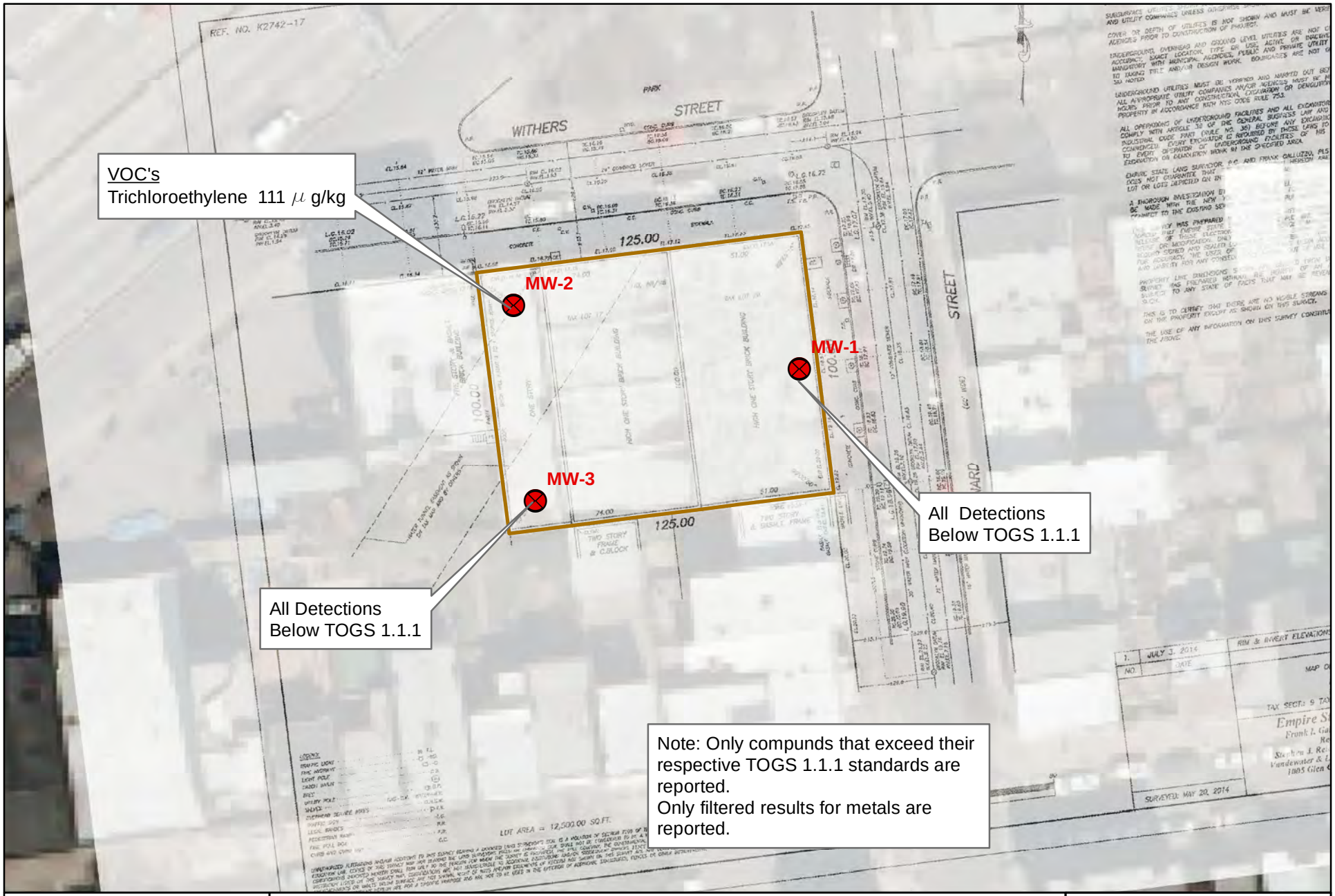

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FIGURE 8
MAP OF GROUNDWATER CHEMISTRY RESULTS

Source: base from NYS Orthophotography, 2012;
Surveyors Plans, architectural survey
Scale: 1 inch = 50 feet

N

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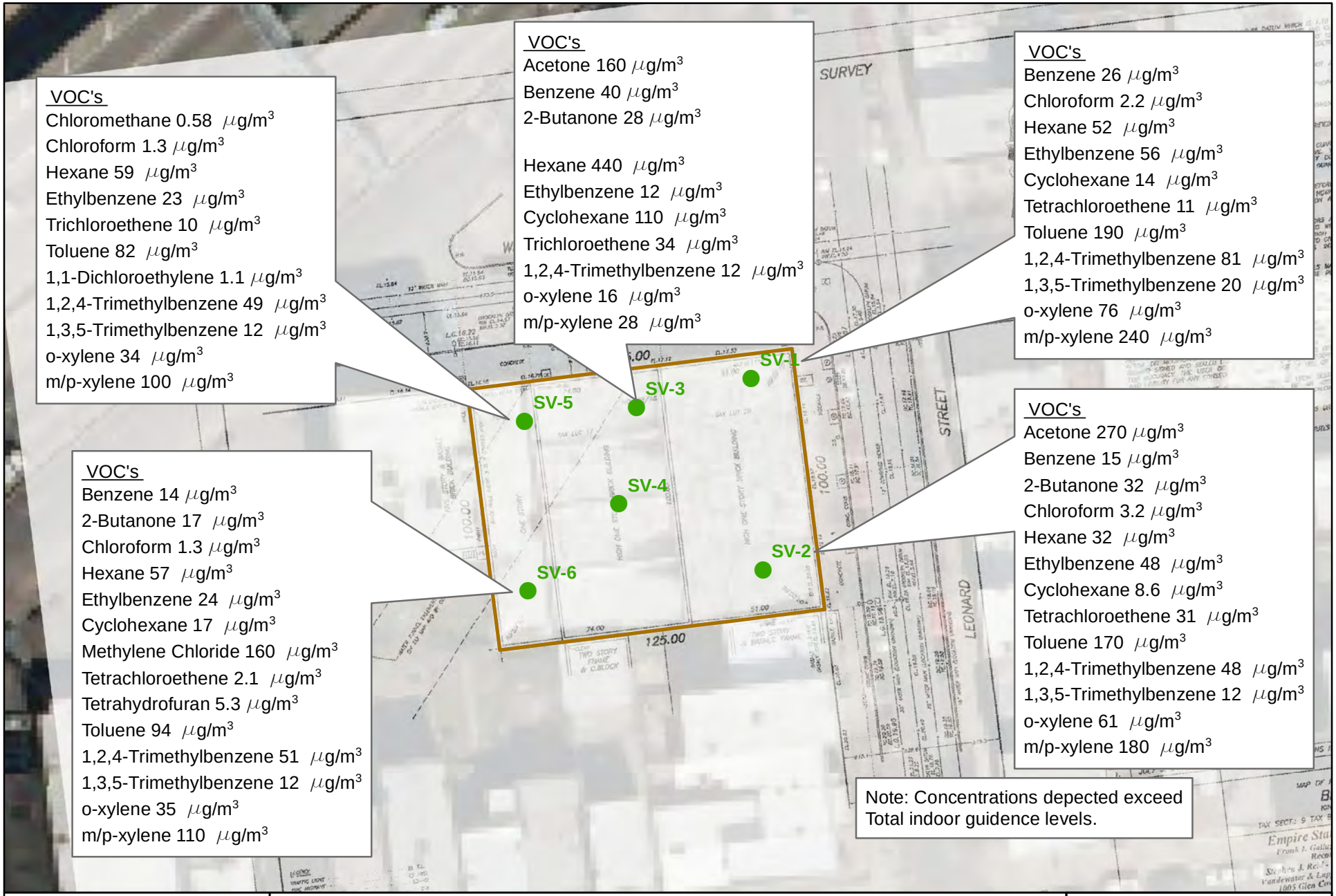

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FIGURE 9
MAP OF SOIL VAPOR CHEMISTRY RESULTS

Source: base from NYS Orthophotography, 2012;
Surveyors Plans, architectural survey
Scale: 1 inch = 50 feet

N

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APPENDICES

Example Groundwater Sampling Logs

Well ID Number	Date & Time	Weather Condition	Headspace PID	Purge volume	pH	Dissolved Oxygen	Temperature	Specific Conductance	Total depth of the well from the top of casing or surveyors mark	Depth from the top of the casing to the water	Estimated water volume in the well

Well ID Number	Date, Start & End Time	Purge Method	purge Rate(s)	Total Volume Purged	pH	Dissolved Oxygen	Temperature	Specific Conductance	Depth from the top of the casing to the water after purging

Calculation of BaP equivalent values: BaP equivalents are calculated by multiplying the equivalent factor by the concentration of the individual cPAH.

cPAHs	Equivalent Factor
Benzo(a)pyrene	1.0
Benzo(a)anthracene	0.1
Benzo(b)fluoranthene	0.1
Benzo(k)fluoranthene	0.01
Chrysene	0.01
Dibenzo(a,h)anthracene	1.0
Indeno(123-cd)pyrene	0.1

Site-Specific Standards, Criteria and Guidance

- 6 NYCRR Part 371 - Identification and Listing of Hazardous Wastes
- 6 NYCRR Part 375 - Inactive Hazardous Waste Disposal Sites
- 6 NYCRR Parts 700-706 - Water Quality Standards (June 1998)
- STARS #1 - Petroleum-Contaminated Soil Guidance Policy
- TOGS 1.1.1 - Ambient Water Quality Standards & Guidance Values and Groundwater Effluent Limitations
- Fish and Wildlife Impact Analysis for Inactive Hazardous Waste Sites (October 1994)
- Technical Guidance for Screening Contaminated Sediments (January 1999)
- NYSDOH Indoor Air Sampling & Analysis Guidance (August 8, 2001 or subsequent update)
- NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York (draft October 2004 or subsequent final draft)
- DER Interim Strategy for Groundwater Remediation at Contaminated Sites in New York State
- 6 NYCRR Part 612 - Registration of Petroleum Storage Facilities (February 1992)
- 6 NYCRR Part 613 - Handling and Storage of Petroleum (February 1992)
- 6 NYCRR Part 614 - Standards for New and Substantially Modified Petroleum Storage Tanks (February 1992)
- 40 CFR Part 280 - Technical Standards and Corrective Action Requirements for Owners and Operators of Underground Storage Tanks

LONG ISLAND ANALYTICAL LABORATORIES INC.
"TOMORROWS ANALYTICAL SOLUTIONS TODAY"

Laboratory Report

NYSDOH ELAP# 11693
USEPA# NY01273
CTDOH# PH-0284
AIHA# 164456
NJDEP# NY012
PADEP# 68-2943

LIAL# 4100807

October 16, 2014

Nelson, Pope & Voorhis
Eric Arnesen
572 Walt Whitman Road
Melville, NY 11747

Re: Withers

Dear Eric Arnesen,

Enclosed please find the laboratory Analysis Report(s) for sample(s) received on October 08, 2014. Long Island Analytical laboratories analyzed the samples on October 15, 2014 for the following:

CLIENT ID	ANALYSIS
B-6 0'-2'	EPA 8081 B, EPA 8082 A, EPA 8260 C, EPA 8270 D, TAL Target Analyte List
B-6 10'-12'	EPA 8081 B, EPA 8082 A, EPA 8260 C, EPA 8270 D, TAL Target Analyte List
B-5 0'-2'	EPA 8081 B, EPA 8082 A, EPA 8260 C, EPA 8270 D, TAL Target Analyte List
B-5 10'-12'	EPA 8081 B, EPA 8082 A, EPA 8260 C, EPA 8270 D, TAL Target Analyte List
B-1 0'-2'	EPA 8081 B, EPA 8082 A, EPA 8260 C, EPA 8270 D, TAL Target Analyte List
B-1 10'-12'	EPA 8081 B, EPA 8082 A, EPA 8260 C, EPA 8270 D, TAL Target Analyte List
DUP-S	EPA 8081 B, EPA 8082 A, EPA 8260 C, EPA 8270 D, TAL Target Analyte List
B-8 0'-2'	EPA 8081 B, EPA 8082 A, EPA 8260 C, EPA 8270 D, TAL Target Analyte List
B-8 10'-12'	EPA 8081 B, EPA 8082 A, EPA 8260 C, EPA 8270 D, TAL Target Analyte List
B-4 0'-2'	EPA 8081 B, EPA 8082 A, EPA 8260 C, EPA 8270 D, TAL Target Analyte List
B-4 10'-12'	EPA 8081 B, EPA 8082 A, EPA 8260 C, EPA 8270 D, TAL Target Analyte List
FB-S	EPA 608, EPA 8081 B, EPA 8260 C, EPA 8270 D, TAL Target Analyte List

B-7 0'-2'	EPA 8081 B, EPA 8082 A, EPA 8260 C, EPA 8270 D, TAL Target Analyte List
B-7 10'-12'	EPA 8081 B, EPA 8082 A, EPA 8260 C, EPA 8270 D, TAL Target Analyte List
B-3 0'-2'	EPA 8081 B, EPA 8082 A, EPA 8260 C, EPA 8270 D, TAL Target Analyte List
B-3 10'-12'	EPA 8081 B, EPA 8082 A, EPA 8260 C, EPA 8270 D, TAL Target Analyte List
MW-1	EPA 608, EPA 8081 B, EPA 8260 C, EPA 8270 D, TAL Target Analyte List
MW-2	EPA 608, EPA 8081 B, EPA 8260 C, EPA 8270 D, TAL Target Analyte List
MW-3	EPA 608, EPA 8081 B, EPA 8260 C, EPA 8270 D, TAL Target Analyte List
DUP-1	EPA 608, EPA 8081 B, EPA 8260 C, EPA 8270 D, TAL Target Analyte List
FB-W	EPA 608, EPA 8081 B, EPA 8260 C, EPA 8270 D, TAL Target Analyte List
Trip Blank	EPA 8260 C

Samples received at 1.7 ° C

5.L Results may be biased low due to the sample not being collected according to 5035A-L/5035A-H low level specifications.

If you have any questions or require further information, please call at your convenience. Long Island Analytical Laboratories Inc. is a NELAP accredited laboratory. All reported results meet the requirements of the NELAP standards unless noted. Report shall not be reproduced except in full without the written approval of the laboratory. Results related only to items tested. Long Island Analytical Laboratories would like to thank you for the opportunity to be of service to you.

Best Regards,

Long Island Analytical Laboratories, Inc.

Michael Veraldi - Laboratory Director

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 10:30	Sample ID: B-6 0'-2'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-01 % Solid:89.88
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Dichlorodifluoromethane	75-71-8	0.607	5.56	<5.56	ug/kg dry	5.L
Chlorodifluoromethane	75-45-6	0.649	5.56	<5.56	ug/kg dry	2.B, 5.L
Chloromethane	74-87-3	0.711	5.56	<5.56	ug/kg dry	4.J, 5.L
Vinyl chloride	75-01-4	0.423	5.56	<5.56	ug/kg dry	5.L
Bromomethane	74-83-9	1.85	5.56	<5.56	ug/kg dry	5.L
Chloroethane	75-00-3	0.379	5.56	<5.56	ug/kg dry	5.L
Trichlorofluoromethane	75-69-4	0.576	5.56	<5.56	ug/kg dry	5.L
Acetone	67-64-1	6.48	55.6	<55.6	ug/kg dry	5.L
1,1-Dichloroethylene	75-35-4	0.493	5.56	<5.56	ug/kg dry	5.L
tert-Butyl alcohol	75-65-0	1.92	5.56	<5.56	ug/kg dry	5.L
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	0.475	5.56	<5.56	ug/kg dry	5.L
Acrylonitrile	107-13-1	0.708	5.56	<5.56	ug/kg dry	5.L
Methylene Chloride	75-09-2	1.25	5.56	<5.56	ug/kg dry	5.L
Carbon disulfide	75-15-0	0.394	5.56	<5.56	ug/kg dry	5.L
Methyl-tert-Butyl Ether	1634-04-4	0.427	5.56	<5.56	ug/kg dry	5.L
trans-1,2-Dichloroethylene	156-60-5	0.514	5.56	<5.56	ug/kg dry	5.L
1,1-Dichloroethane	75-34-3	0.609	5.56	<5.56	ug/kg dry	5.L
Methyl Ethyl Ketone (2-Butanone)	78-93-3	1.67	11.1	<11.1	ug/kg dry	5.L
cis-1,2-Dichloroethylene	156-59-2	0.473	5.56	<5.56	ug/kg dry	5.L
2,2-Dichloropropane	594-20-7	0.352	5.56	<5.56	ug/kg dry	5.L
Bromochloromethane	74-97-5	0.659	5.56	<5.56	ug/kg dry	5.L
Chloroform	67-66-3	0.591	5.56	<5.56	ug/kg dry	5.L
1,1,1-Trichloroethane	71-55-6	0.411	5.56	<5.56	ug/kg dry	5.L
1,2-Dichloroethane	107-06-2	0.543	5.56	<5.56	ug/kg dry	5.L
1,1-Dichloropropylene	563-58-6	0.525	5.56	<5.56	ug/kg dry	5.L
Carbon Tetrachloride	56-23-5	0.533	5.56	<5.56	ug/kg dry	5.L
Benzene	71-43-2	0.402	5.56	<5.56	ug/kg dry	5.L
Trichloroethylene	79-01-6	0.607	5.56	<5.56	ug/kg dry	5.L
1,2-Dichloropropane	78-87-5	0.577	5.56	<5.56	ug/kg dry	5.L
Dibromomethane	74-95-3	0.453	5.56	<5.56	ug/kg dry	5.L

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 10:30	Sample ID: B-6 0'-2'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-01 % Solid:89.88
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
1,4-Dioxane	123-91-1	25.6	55.6	<55.6	ug/kg dry	5.L
Bromodichloromethane	75-27-4	0.478	5.56	<5.56	ug/kg dry	5.L
4-Methyl-2-Pentanone	108-10-1	0.638	11.1	<11.1	ug/kg dry	5.L
cis-1,3-Dichloropropylene	10061-01-5	0.477	5.56	<5.56	ug/kg dry	5.L
Toluene	108-88-3	0.435	5.56	<5.56	ug/kg dry	5.L
trans-1,3-Dichloropropylene	10061-02-6	0.372	5.56	<5.56	ug/kg dry	5.L
1,1,2-Trichloroethane	79-00-5	0.513	5.56	<5.56	ug/kg dry	5.L
Methyl Butyl Ketone (2-Hexanone)	591-78-6	0.778	5.56	<5.56	ug/kg dry	5.L
1,3-Dichloropropane	142-28-9	0.408	5.56	<5.56	ug/kg dry	5.L
Dibromochloromethane	124-48-1	0.364	5.56	<5.56	ug/kg dry	5.L
Tetrachloroethylene	127-18-4	0.523	5.56	<5.56	ug/kg dry	5.L
1,2-Dibromoethane	106-93-4	0.472	5.56	<5.56	ug/kg dry	5.L
Chlorobenzene	108-90-7	0.473	5.56	<5.56	ug/kg dry	5.L
1,1,1,2-Tetrachloroethane	630-20-6	0.747	5.56	<5.56	ug/kg dry	5.L
Ethylbenzene	100-41-4	0.401	5.56	<5.56	ug/kg dry	5.L
m,p-Xylenes	108-38-3/106-42-3	0.613	11.1	<11.1	ug/kg dry	5.L
Styrene	100-42-5	0.285	5.56	<5.56	ug/kg dry	5.L
o-Xylene	95-47-6	0.279	5.56	<5.56	ug/kg dry	5.L
Bromoform	75-25-2	0.399	5.56	<5.56	ug/kg dry	5.L
1,1,2,2-Tetrachloroethane	79-34-5	0.392	5.56	<5.56	ug/kg dry	5.L
Isopropylbenzene (Cumene)	98-82-8	0.279	5.56	<5.56	ug/kg dry	5.L
1,2,3-Trichloropropane	96-18-4	0.615	5.56	<5.56	ug/kg dry	5.L
Bromobenzene	108-86-1	0.369	5.56	<5.56	ug/kg dry	5.L
n-Propylbenzene	103-65-1	0.387	5.56	<5.56	ug/kg dry	5.L
2-Chlorotoluene	95-49-8	0.431	5.56	<5.56	ug/kg dry	5.L
4-Ethyltoluene	622-96-8	0.407	5.56	<5.56	ug/kg dry	2.B, 5.L
4-Chlorotoluene	106-43-4	0.340	5.56	<5.56	ug/kg dry	5.L
1,3,5-Trimethylbenzene	108-67-8	0.354	5.56	<5.56	ug/kg dry	5.L
tert-Butylbenzene	98-06-6	0.505	5.56	<5.56	ug/kg dry	5.L

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 10:30	Sample ID: B-6 0'-2'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-01 % Solid:89.88
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
1,2,4-Trimethylbenzene	95-63-6	0.388	5.56	<5.56	ug/kg dry	5.L
sec-Butylbenzene	135-98-8	0.346	5.56	<5.56	ug/kg dry	5.L
1,3-Dichlorobenzene	541-73-1	3.16	55.6	<55.6	ug/kg dry	3.A, 5.L
4-Isopropyltoluene	99-87-6	4.39	55.6	<55.6	ug/kg dry	3.A, 5.L
1,4-Dichlorobenzene	106-46-7	4.53	55.6	<55.6	ug/kg dry	3.A, 5.L
1,2-Dichlorobenzene	95-50-1	4.81	55.6	<55.6	ug/kg dry	3.A, 5.L
1,4-Diethylbenzene	105-05-5	2.85	55.6	<55.6	ug/kg dry	2.B, 3.A, 5.L
n-Butylbenzene	104-51-8	3.36	55.6	<55.6	ug/kg dry	3.A, 5.L
1,2-Dibromo-3-chloropropane	96-12-8	6.84	55.6	<55.6	ug/kg dry	3.A, 5.L
1,2,4,5-Tetramethylbenzene	95-93-2	2.91	55.6	<55.6	ug/kg dry	2.B, 3.A, 5.L
1,2,4-Trichlorobenzene	120-82-1	3.43	55.6	<55.6	ug/kg dry	3.A, 5.L
Naphthalene	91-20-3	6.56	55.6	<55.6	ug/kg dry	3.A, 5.L
Hexachlorobutadiene	87-68-3	3.23	55.6	<55.6	ug/kg dry	5.L, 3.A
1,2,3-Trichlorobenzene	87-61-6	6.21	55.6	<55.6	ug/kg dry	3.A, 5.L

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Dibromofluoromethane	1868-53-7	104	70-130	
1,2-Dichloroethane-d4	10706-07-0	106	70-130	
Toluene-d8	2037-26-5	113	70-130	
4-Bromofluorobenzene	460-00-4	109	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
Pentafluorobenzene	363-72-4	62	50-200	
1,4-Difluorobenzene	540-36-3	64	50-200	
Chlorobenzene-d5	3114-55-4	55	50-200	
1,4-Dichlorobenzene-d4	3855-82-1	55	50-200	

Date Prepared: 10/08/2014

Date Analyzed: 10/09/2014

Preparation Method: EPA 5035A-L

Analytical Method: EPA 8260 C

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 10:30	Sample ID: B-6 0'-2'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-01 % Solid:89.88
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Pyridine	110-86-1	18.9	150	<150	ug/kg dry	4.N
N-Nitrosodimethylamine	62-75-9	31.2	44.5	<44.5	ug/kg dry	
Phenol	108-95-2	17.8	44.5	<44.5	ug/kg dry	
Aniline	62-53-3	15.6	44.5	<44.5	ug/kg dry	
2-Chlorophenol	95-57-8	20.0	44.5	<44.5	ug/kg dry	
Bis(2-Chloroethyl)ether	111-44-4	28.9	44.5	<44.5	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	17.8	44.5	<44.5	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	21.1	44.5	<44.5	ug/kg dry	
Benzyl alcohol	100-51-6	16.7	44.5	<44.5	ug/kg dry	
1,2-Dichlorobenzene	95-50-1	17.8	44.5	<44.5	ug/kg dry	
2-Methylphenol	95-48-7	25.6	44.5	<44.5	ug/kg dry	
Bis(2-chloroisopropyl)ether	39638-32-9	27.8	44.5	<44.5	ug/kg dry	
Hexachloroethane	67-72-1	22.3	44.5	<44.5	ug/kg dry	
3/4-Methylphenol	108-39-4/106-44-5	20.0	44.5	<44.5	ug/kg dry	
N-Nitroso-di-n-propylamine	621-64-7	16.7	44.5	<44.5	ug/kg dry	
Nitrobenzene	98-95-3	20.0	44.5	<44.5	ug/kg dry	
Isophorone	78-59-1	15.6	44.5	<44.5	ug/kg dry	
2-Nitrophenol	88-75-5	31.2	44.5	<44.5	ug/kg dry	
2,4-Dimethylphenol	105-67-9	32.3	44.5	<44.5	ug/kg dry	
Benzoic Acid	65-85-0	26.7	44.5	<44.5	ug/kg dry	4.N
bis(2-Chloroethoxy)methane	111-91-1	22.3	44.5	<44.5	ug/kg dry	
2,4-Dichlorophenol	120-83-2	15.6	44.5	<44.5	ug/kg dry	
1,2,4-Trichlorobenzene	120-82-1	22.3	44.5	<44.5	ug/kg dry	
Naphthalene	91-20-3	17.8	44.5	<44.5	ug/kg dry	
4-Chloroaniline	106-47-8	15.6	44.5	<44.5	ug/kg dry	
Hexachlorobutadiene	87-68-3	31.2	44.5	<44.5	ug/kg dry	
4-Chloro-3-methylphenol	59-50-7	34.5	44.5	<44.5	ug/kg dry	
2-Methylnaphthalene	91-57-6	23.4	44.5	<44.5	ug/kg dry	
Hexachlorocyclopentadiene	77-47-4	20.0	44.5	<44.5	ug/kg dry	
2,4,6-Trichlorophenol	88-06-2	20.0	44.5	<44.5	ug/kg dry	

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 10:30	Sample ID: B-6 0'-2'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-01 % Solid:89.88
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
2,4,5-Trichlorophenol	95-95-4	27.8	44.5	<44.5	ug/kg dry	
2-Chloronaphthalene	91-58-7	15.6	44.5	<44.5	ug/kg dry	
2-Nitroaniline	88-74-4	37.8	44.5	<44.5	ug/kg dry	
Dimethyl phthalate	131-11-3	18.9	44.5	<44.5	ug/kg dry	
Acenaphthylene	208-96-8	24.5	44.5	<44.5	ug/kg dry	
2,6-Dinitrotoluene	606-20-2	23.4	44.5	<44.5	ug/kg dry	
3-Nitroaniline	99-09-2	35.6	44.5	<44.5	ug/kg dry	
Acenaphthene	83-32-9	25.6	44.5	<44.5	ug/kg dry	
2,4-Dinitrophenol	51-28-5	15.6	150	<150	ug/kg dry	4.N
Dibenzofuran	132-64-9	21.1	44.5	<44.5	ug/kg dry	
4-Nitrophenol	100-02-7	17.8	150	<150	ug/kg dry	
2,4-Dinitrotoluene	121-14-2	15.6	44.5	<44.5	ug/kg dry	
Fluorene	86-73-7	24.5	44.5	<44.5	ug/kg dry	
Diethyl phthalate	84-66-2	22.3	44.5	<44.5	ug/kg dry	
4-Chlorophenyl phenyl ether	7005-72-3	21.1	44.5	<44.5	ug/kg dry	
4-Nitroaniline	100-01-6	22.3	44.5	<44.5	ug/kg dry	
4,6-Dinitro-2-methylphenol	534-52-1	20.0	150	<150	ug/kg dry	
N-Nitrosodiphenylamine	86-30-6	20.0	44.5	<44.5	ug/kg dry	
4-Bromophenyl phenyl ether	101-55-3	20.0	44.5	<44.5	ug/kg dry	
Hexachlorobenzene	118-74-1	22.3	44.5	<44.5	ug/kg dry	
Pentachlorophenol	87-86-5	18.9	44.5	<44.5	ug/kg dry	
Phenanthrene	85-01-8	24.5	44.5	475	ug/kg dry	
Anthracene	120-12-7	20.0	44.5	94.9	ug/kg dry	
Carbazole	86-74-8	18.9	44.5	67.5	ug/kg dry	
Di-n-butyl phthalate	84-74-2	24.5	44.5	46.0	ug/kg dry	
Parathion (ethyl)	56-38-2	57.9	66.8	<66.8	ug/kg dry	
Fluoranthene	206-44-0	22.3	44.5	912	ug/kg dry	
Pyrene	129-00-0	23.4	44.5	733	ug/kg dry	
Butyl benzyl phthalate	85-68-7	21.1	44.5	299	ug/kg dry	

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 10:30	Sample ID: B-6 0'-2'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-01 % Solid:89.88
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Benzo(a)anthracene	56-55-3	26.7	44.5	518	ug/kg dry	
Chrysene	218-01-9	23.4	44.5	587	ug/kg dry	
3,3'-Dichlorobenzidine	91-94-1	15.6	44.5	<44.5	ug/kg dry	
Bis(2-Ethylhexyl)phthalate	117-81-7	23.4	44.5	133	ug/kg dry	
Di-n-octyl phthalate	117-84-0	15.6	44.5	<44.5	ug/kg dry	
Benzo(b)fluoranthene	205-99-2	20.0	44.5	983	ug/kg dry	
Benzo(k)fluoranthene	207-08-9	25.6	44.5	309	ug/kg dry	
Benzo(a)pyrene	50-32-8	23.4	44.5	586	ug/kg dry	
Indeno(1,2,3-cd)pyrene	193-39-5	30.0	44.5	665	ug/kg dry	
Dibenzo(a,h)anthracene	53-70-3	28.9	44.5	134	ug/kg dry	
Benzo(g,h,i)perylene	191-24-2	25.6	44.5	544	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2-Fluorophenol	367-12-4	58	25-121	
Phenol-d6	13127-88-3	60	24-113	
Nitrobenzene-d5	4165-60-0	58	23-120	
2-Fluorobiphenyl	321-60-8	64	30-115	
2,4,6-Tribromophenol	118-79-6	50	19-122	
Terphenyl-d14	1718-51-0	66	18-137	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	107	50-200	
Naphthalene-d8	1146-65-2	109	50-200	
Acenaphthene-d10	15067-26-2	109	50-200	
Phenanthrene-d10	1517-22-2	105	50-200	
Chrysene-d12	1719-03-5	104	50-200	
Perylene-d12	1520-96-3	111	50-200	

Date Prepared: 10/09/2014

Preparation Method: EPA 3545 A

Date Analyzed: 10/10/2014

Analytical Method: EPA 8270 D

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 10:30	Sample ID: B-6 0'-2'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-01 % Solid:89.88
Matrix: Soil	ELAP: #11693

Pesticides Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
alpha-BHC	319-84-6	0.270	5.56	<5.56	ug/kg dry	
gamma-BHC	58-89-9	0.276	5.56	<5.56	ug/kg dry	
beta-BHC	319-85-7	0.466	5.56	<5.56	ug/kg dry	
delta-BHC	319-86-8	0.337	5.56	<5.56	ug/kg dry	
Heptachlor	76-44-8	0.306	5.56	<5.56	ug/kg dry	
Aldrin	309-00-2	0.427	5.56	<5.56	ug/kg dry	
Heptachlor Epoxide	1024-57-3	0.494	5.56	<5.56	ug/kg dry	
trans-Chlordane	5103-74-2	0.704	5.56	<5.56	ug/kg dry	
cis-Chlordane	5103-71-9	0.471	5.56	<5.56	ug/kg dry	
4,4'-DDE	72-55-9	0.285	3.34	<3.34	ug/kg dry	
Endosulfan I	959-98-8	0.537	5.56	<5.56	ug/kg dry	
Dieldrin	60-57-1	0.444	5.56	<5.56	ug/kg dry	
Endrin	72-20-8	0.510	5.56	<5.56	ug/kg dry	
4,4'-DDD	72-54-8	0.506	3.34	<3.34	ug/kg dry	
Endosulfan II	33213-65-9	0.947	5.56	<5.56	ug/kg dry	
4,4'-DDT	50-29-3	0.735	3.34	<3.34	ug/kg dry	4.M
Endrin Aldehyde	7421-93-4	0.783	5.56	<5.56	ug/kg dry	
Methoxychlor	72-43-5	1.22	5.56	<5.56	ug/kg dry	
Endosulfan Sulfate	1031-07-8	1.30	5.56	<5.56	ug/kg dry	
Endrin Ketone	53494-70-5	1.12	5.56	<5.56	ug/kg dry	
Toxaphene	8001-35-2	7.65	111	<111	ug/kg dry	
Chlordane	12789-03-6	1.51	16.7	<16.7	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Tetrachloro-m-xylene	877-09-8	97	70-130	
Decachlorobiphenyl	2051-24-3	94	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	95	50-200	

Date Prepared: 10/08/2014

Date Analyzed: 10/11/2014

Preparation Method: EPA 3545 A

Analytical Method: EPA 8081B

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 10:30	Sample ID: B-6 0'-2'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-01 % Solid:89.88
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	6.65	11.1	<11.1	ug/kg dry	
Aroclor-1260	11096-82-5	4.07	11.1	<11.1	ug/kg dry	
Aroclor-1221	11104-28-2	4.45	11.1	<11.1	ug/kg dry	
Aroclor-1232	11141-16-5	4.45	11.1	<11.1	ug/kg dry	
Aroclor-1242	53469-21-9	4.45	11.1	<11.1	ug/kg dry	
Aroclor-1248	12672-29-6	4.45	11.1	<11.1	ug/kg dry	
Aroclor-1254	11097-69-1	4.45	11.1	<11.1	ug/kg dry	
Aroclor-1262	37324-23-5	4.45	11.1	<11.1	ug/kg dry	
Aroclor-1268	11100-14-4	4.45	11.1	<11.1	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Tetrachloro-m-xylene	877-09-8	88	70-130	
Decachlorobiphenyl	2051-24-3	77	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	118	50-200	

Date Prepared: 10/08/2014

Date Analyzed: 10/09/2014

Preparation Method: EPA 3545 A

Analytical Method: EPA 8082 A

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 10:30	Sample ID: B-6 0'-2'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-01 % Solid:89.88
Matrix: Soil	ELAP: #11693

Total Metals Analysis

Parameter	Date Analyzed	Method	MDL	LOQ	Result	Units	Flag
Aluminum	10/09/2014	EPA 6010 C	6.52	102	10800	mg/kg dry	3.E, 4.G
Antimony	10/09/2014	EPA 6010 C	0.70	1.70	<1.70	mg/kg dry	4.G
Arsenic	10/09/2014	EPA 6010 C	0.18	1.70	8.48	mg/kg dry	
Barium	10/09/2014	EPA 6010 C	0.32	1.70	131	mg/kg dry	4.G
Beryllium	10/09/2014	EPA 6010 C	0.18	1.70	<1.70	mg/kg dry	
Cadmium	10/09/2014	EPA 6010 C	0.18	1.68	<1.68	mg/kg dry	
Calcium	10/09/2014	EPA 6010 C	5.32	102	30200	mg/kg dry	3.E, 4.F
Chromium	10/09/2014	EPA 6010 C	0.17	1.70	25.6	mg/kg dry	
Cobalt	10/09/2014	EPA 6010 C	0.166	1.70	7.63	mg/kg dry	
Copper	10/09/2014	EPA 6010 C	0.15	1.70	97.2	mg/kg dry	4.G
Iron	10/09/2014	EPA 6010 C	6.69	50.9	28900	mg/kg dry	3.E, 4.F
Lead	10/09/2014	EPA 6010 C	0.16	1.70	160	mg/kg dry	4.G
Magnesium	10/09/2014	EPA 6010 C	0.661	5.09	2350	mg/kg dry	4.G
Manganese	10/09/2014	EPA 6010 C	2.32	17.0	519	mg/kg dry	3.E
Nickel	10/09/2014	EPA 6010 C	0.19	1.70	20.2	mg/kg dry	
Potassium	10/09/2014	EPA 6010 C	1.62	10.2	1610	mg/kg dry	4.G
Selenium	10/09/2014	EPA 6010 C	0.57	1.70	<1.70	mg/kg dry	
Silver	10/09/2014	EPA 6010 C	0.14	1.70	<1.70	mg/kg dry	
Sodium	10/09/2014	EPA 6010 C	0.841	5.09	579	mg/kg dry	4.G
Thallium	10/09/2014	EPA 6010 C	1.16	1.70	2.38	mg/kg dry	
Vanadium	10/09/2014	EPA 6010 C	0.20	1.70	30.8	mg/kg dry	
Zinc	10/09/2014	EPA 6010 C	0.44	1.70	137	mg/kg dry	

Date Prepared: 10/09/2014 Preparation Method: EPA 3050B

Parameter	Date Analyzed	Method	MDL	LOQ	Result	Units	Flag
Mercury	10/09/2014	EPA 7471 B	0.002	0.02	0.11	mg/kg dry	4.H

Date Prepared: 10/09/2014 Preparation Method: EPA 7471 B

Parameter	Date Analyzed	Method	MDL	LOQ	Result	Units	Flag
Cyanide	10/13/2014	EPA 9014	0.01	0.11	0.55	mg/kg dry	

Date Prepared: 10/09/2014 Preparation Method: Distillation Prep

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 10:55	Sample ID: B-6 10'-12'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-02 % Solid:87.57
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Dichlorodifluoromethane	75-71-8	0.624	5.71	<5.71	ug/kg dry	5.L
Chlorodifluoromethane	75-45-6	0.666	5.71	<5.71	ug/kg dry	2.B, 5.L
Chloromethane	74-87-3	0.730	5.71	<5.71	ug/kg dry	4.J, 5.L
Vinyl chloride	75-01-4	0.434	5.71	<5.71	ug/kg dry	5.L
Bromomethane	74-83-9	1.90	5.71	<5.71	ug/kg dry	5.L
Chloroethane	75-00-3	0.389	5.71	<5.71	ug/kg dry	5.L
Trichlorofluoromethane	75-69-4	0.592	5.71	<5.71	ug/kg dry	5.L
Acetone	67-64-1	6.65	57.1	<57.1	ug/kg dry	5.L
1,1-Dichloroethylene	75-35-4	0.506	5.71	<5.71	ug/kg dry	5.L
tert-Butyl alcohol	75-65-0	1.97	5.71	<5.71	ug/kg dry	5.L
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	0.488	5.71	<5.71	ug/kg dry	5.L
Acrylonitrile	107-13-1	0.726	5.71	<5.71	ug/kg dry	5.L
Methylene Chloride	75-09-2	1.28	5.71	<5.71	ug/kg dry	5.L
Carbon disulfide	75-15-0	0.404	5.71	<5.71	ug/kg dry	5.L
Methyl-tert-Butyl Ether	1634-04-4	0.439	5.71	<5.71	ug/kg dry	5.L
trans-1,2-Dichloroethylene	156-60-5	0.528	5.71	<5.71	ug/kg dry	5.L
1,1-Dichloroethane	75-34-3	0.625	5.71	<5.71	ug/kg dry	5.L
Methyl Ethyl Ketone (2-Butanone)	78-93-3	1.72	11.4	<11.4	ug/kg dry	5.L
cis-1,2-Dichloroethylene	156-59-2	0.485	5.71	<5.71	ug/kg dry	5.L
2,2-Dichloropropane	594-20-7	0.361	5.71	<5.71	ug/kg dry	5.L
Bromochloromethane	74-97-5	0.676	5.71	<5.71	ug/kg dry	5.L
Chloroform	67-66-3	0.606	5.71	<5.71	ug/kg dry	5.L
1,1,1-Trichloroethane	71-55-6	0.421	5.71	<5.71	ug/kg dry	5.L
1,2-Dichloroethane	107-06-2	0.557	5.71	<5.71	ug/kg dry	5.L
1,1-Dichloropropylene	563-58-6	0.539	5.71	<5.71	ug/kg dry	5.L
Carbon Tetrachloride	56-23-5	0.547	5.71	<5.71	ug/kg dry	5.L
Benzene	71-43-2	0.412	5.71	<5.71	ug/kg dry	5.L
Trichloroethylene	79-01-6	0.624	5.71	<5.71	ug/kg dry	5.L
1,2-Dichloropropane	78-87-5	0.593	5.71	<5.71	ug/kg dry	5.L
Dibromomethane	74-95-3	0.465	5.71	<5.71	ug/kg dry	5.L

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 10:55	Sample ID: B-6 10'-12'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-02 % Solid:87.57
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
1,4-Dioxane	123-91-1	26.3	57.1	<57.1	ug/kg dry	5.L
Bromodichloromethane	75-27-4	0.491	5.71	<5.71	ug/kg dry	5.L
4-Methyl-2-Pentanone	108-10-1	0.654	11.4	<11.4	ug/kg dry	5.L
cis-1,3-Dichloropropylene	10061-01-5	0.490	5.71	<5.71	ug/kg dry	5.L
Toluene	108-88-3	0.447	5.71	<5.71	ug/kg dry	5.L
trans-1,3-Dichloropropylene	10061-02-6	0.381	5.71	<5.71	ug/kg dry	5.L
1,1,2-Trichloroethane	79-00-5	0.526	5.71	<5.71	ug/kg dry	5.L
Methyl Butyl Ketone (2-Hexanone)	591-78-6	0.798	5.71	<5.71	ug/kg dry	5.L
1,3-Dichloropropane	142-28-9	0.419	5.71	<5.71	ug/kg dry	5.L
Dibromochloromethane	124-48-1	0.373	5.71	<5.71	ug/kg dry	5.L
Tetrachloroethylene	127-18-4	0.537	5.71	<5.71	ug/kg dry	5.L
1,2-Dibromoethane	106-93-4	0.484	5.71	<5.71	ug/kg dry	5.L
Chlorobenzene	108-90-7	0.485	5.71	<5.71	ug/kg dry	5.L
1,1,1,2-Tetrachloroethane	630-20-6	0.766	5.71	<5.71	ug/kg dry	5.L
Ethylbenzene	100-41-4	0.411	5.71	<5.71	ug/kg dry	5.L
m,p-Xylenes	108-38-3/106-42-3	0.629	11.4	<11.4	ug/kg dry	5.L
Styrene	100-42-5	0.292	5.71	<5.71	ug/kg dry	5.L
o-Xylene	95-47-6	0.287	5.71	<5.71	ug/kg dry	5.L
Bromoform	75-25-2	0.410	5.71	<5.71	ug/kg dry	5.L
1,1,2,2-Tetrachloroethane	79-34-5	0.402	5.71	<5.71	ug/kg dry	5.L
Isopropylbenzene (Cumene)	98-82-8	0.287	5.71	<5.71	ug/kg dry	5.L
1,2,3-Trichloropropane	96-18-4	0.632	5.71	<5.71	ug/kg dry	5.L
Bromobenzene	108-86-1	0.379	5.71	<5.71	ug/kg dry	5.L
n-Propylbenzene	103-65-1	0.397	5.71	<5.71	ug/kg dry	5.L
2-Chlorotoluene	95-49-8	0.442	5.71	<5.71	ug/kg dry	5.L
4-Ethyltoluene	622-96-8	0.418	5.71	<5.71	ug/kg dry	2.B, 5.L
4-Chlorotoluene	106-43-4	0.349	5.71	<5.71	ug/kg dry	5.L
1,3,5-Trimethylbenzene	108-67-8	0.363	5.71	<5.71	ug/kg dry	5.L
tert-Butylbenzene	98-06-6	0.518	5.71	<5.71	ug/kg dry	5.L

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 10:55	Sample ID: B-6 10'-12'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-02 % Solid:87.57
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
1,2,4-Trimethylbenzene	95-63-6	0.399	5.71	<5.71	ug/kg dry	5.L
sec-Butylbenzene	135-98-8	0.355	5.71	<5.71	ug/kg dry	5.L
1,3-Dichlorobenzene	541-73-1	0.324	5.71	<5.71	ug/kg dry	5.L
4-Isopropyltoluene	99-87-6	0.451	5.71	<5.71	ug/kg dry	5.L
1,4-Dichlorobenzene	106-46-7	0.465	5.71	<5.71	ug/kg dry	5.L
1,2-Dichlorobenzene	95-50-1	0.493	5.71	<5.71	ug/kg dry	5.L
1,4-Diethylbenzene	105-05-5	0.292	5.71	<5.71	ug/kg dry	2.B, 5.L
n-Butylbenzene	104-51-8	0.345	5.71	<5.71	ug/kg dry	5.L
1,2-Dibromo-3-chloropropane	96-12-8	0.702	5.71	<5.71	ug/kg dry	5.L
1,2,4,5-Tetramethylbenzene	95-93-2	0.299	5.71	<5.71	ug/kg dry	2.B, 5.L
1,2,4-Trichlorobenzene	120-82-1	0.352	5.71	<5.71	ug/kg dry	5.L
Naphthalene	91-20-3	0.674	5.71	<5.71	ug/kg dry	5.L
Hexachlorobutadiene	87-68-3	0.331	5.71	<5.71	ug/kg dry	5.L
1,2,3-Trichlorobenzene	87-61-6	0.637	5.71	<5.71	ug/kg dry	5.L

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Dibromofluoromethane	1868-53-7	98	70-130	
1,2-Dichloroethane-d4	10706-07-0	103	70-130	
Toluene-d8	2037-26-5	102	70-130	
4-Bromofluorobenzene	460-00-4	104	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
Pentafluorobenzene	363-72-4	82	50-200	
1,4-Difluorobenzene	540-36-3	82	50-200	
Chlorobenzene-d5	3114-55-4	82	50-200	
1,4-Dichlorobenzene-d4	3855-82-1	71	50-200	

Date Prepared: 10/08/2014

Date Analyzed: 10/08/2014

Preparation Method: EPA 5035A-L

Analytical Method: EPA 8260 C

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 10:55	Sample ID: B-6 10'-12'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-02 % Solid:87.57
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Pyridine	110-86-1	19.4	154	<154	ug/kg dry	4.N
N-Nitrosodimethylamine	62-75-9	32.0	45.7	<45.7	ug/kg dry	
Phenol	108-95-2	18.3	45.7	<45.7	ug/kg dry	
Aniline	62-53-3	16.0	45.7	<45.7	ug/kg dry	
2-Chlorophenol	95-57-8	20.6	45.7	<45.7	ug/kg dry	
Bis(2-Chloroethyl)ether	111-44-4	29.7	45.7	<45.7	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	18.3	45.7	<45.7	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	21.7	45.7	<45.7	ug/kg dry	
Benzyl alcohol	100-51-6	17.1	45.7	<45.7	ug/kg dry	
1,2-Dichlorobenzene	95-50-1	18.3	45.7	<45.7	ug/kg dry	
2-Methylphenol	95-48-7	26.3	45.7	<45.7	ug/kg dry	
Bis(2-chloroisopropyl)ether	39638-32-9	28.5	45.7	<45.7	ug/kg dry	
Hexachloroethane	67-72-1	22.8	45.7	<45.7	ug/kg dry	
3/4-Methylphenol	108-39-4/106-44-5	20.6	45.7	<45.7	ug/kg dry	
N-Nitroso-di-n-propylamine	621-64-7	17.1	45.7	<45.7	ug/kg dry	
Nitrobenzene	98-95-3	20.6	45.7	<45.7	ug/kg dry	
Isophorone	78-59-1	16.0	45.7	<45.7	ug/kg dry	
2-Nitrophenol	88-75-5	32.0	45.7	<45.7	ug/kg dry	
2,4-Dimethylphenol	105-67-9	33.1	45.7	<45.7	ug/kg dry	
Benzoic Acid	65-85-0	27.4	45.7	<45.7	ug/kg dry	4.N
bis(2-Chloroethoxy)methane	111-91-1	22.8	45.7	<45.7	ug/kg dry	
2,4-Dichlorophenol	120-83-2	16.0	45.7	<45.7	ug/kg dry	
1,2,4-Trichlorobenzene	120-82-1	22.8	45.7	<45.7	ug/kg dry	
Naphthalene	91-20-3	18.3	45.7	<45.7	ug/kg dry	
4-Chloroaniline	106-47-8	16.0	45.7	<45.7	ug/kg dry	
Hexachlorobutadiene	87-68-3	32.0	45.7	<45.7	ug/kg dry	
4-Chloro-3-methylphenol	59-50-7	35.4	45.7	<45.7	ug/kg dry	
2-Methylnaphthalene	91-57-6	24.0	45.7	<45.7	ug/kg dry	
Hexachlorocyclopentadiene	77-47-4	20.6	45.7	<45.7	ug/kg dry	
2,4,6-Trichlorophenol	88-06-2	20.6	45.7	<45.7	ug/kg dry	

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 10:55	Sample ID: B-6 10'-12'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-02 % Solid:87.57
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
2,4,5-Trichlorophenol	95-95-4	28.5	45.7	<45.7	ug/kg dry	
2-Chloronaphthalene	91-58-7	16.0	45.7	<45.7	ug/kg dry	
2-Nitroaniline	88-74-4	38.8	45.7	<45.7	ug/kg dry	
Dimethyl phthalate	131-11-3	19.4	45.7	<45.7	ug/kg dry	
Acenaphthylene	208-96-8	25.1	45.7	<45.7	ug/kg dry	
2,6-Dinitrotoluene	606-20-2	24.0	45.7	<45.7	ug/kg dry	
3-Nitroaniline	99-09-2	36.5	45.7	<45.7	ug/kg dry	
Acenaphthene	83-32-9	26.3	45.7	<45.7	ug/kg dry	
2,4-Dinitrophenol	51-28-5	16.0	154	<154	ug/kg dry	4.N
Dibenzofuran	132-64-9	21.7	45.7	<45.7	ug/kg dry	
4-Nitrophenol	100-02-7	18.3	154	<154	ug/kg dry	
2,4-Dinitrotoluene	121-14-2	16.0	45.7	<45.7	ug/kg dry	
Fluorene	86-73-7	25.1	45.7	<45.7	ug/kg dry	
Diethyl phthalate	84-66-2	22.8	45.7	<45.7	ug/kg dry	
4-Chlorophenyl phenyl ether	7005-72-3	21.7	45.7	<45.7	ug/kg dry	
4-Nitroaniline	100-01-6	22.8	45.7	<45.7	ug/kg dry	
4,6-Dinitro-2-methylphenol	534-52-1	20.6	154	<154	ug/kg dry	
N-Nitrosodiphenylamine	86-30-6	20.6	45.7	<45.7	ug/kg dry	
4-Bromophenyl phenyl ether	101-55-3	20.6	45.7	<45.7	ug/kg dry	
Hexachlorobenzene	118-74-1	22.8	45.7	<45.7	ug/kg dry	
Pentachlorophenol	87-86-5	19.4	45.7	<45.7	ug/kg dry	
Phenanthrene	85-01-8	25.1	45.7	<45.7	ug/kg dry	
Anthracene	120-12-7	20.6	45.7	<45.7	ug/kg dry	
Carbazole	86-74-8	19.4	45.7	<45.7	ug/kg dry	
Di-n-butyl phthalate	84-74-2	25.1	45.7	<45.7	ug/kg dry	
Parathion (ethyl)	56-38-2	59.4	68.5	<68.5	ug/kg dry	
Fluoranthene	206-44-0	22.8	45.7	<45.7	ug/kg dry	
Pyrene	129-00-0	24.0	45.7	<45.7	ug/kg dry	
Butyl benzyl phthalate	85-68-7	21.7	45.7	<45.7	ug/kg dry	

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 10:55	Sample ID: B-6 10'-12'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-02 % Solid:87.57
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Benzo(a)anthracene	56-55-3	27.4	45.7	<45.7	ug/kg dry	
Chrysene	218-01-9	24.0	45.7	<45.7	ug/kg dry	
3,3'-Dichlorobenzidine	91-94-1	16.0	45.7	<45.7	ug/kg dry	
Bis(2-Ethylhexyl)phthalate	117-81-7	24.0	45.7	92.9	ug/kg dry	
Di-n-octyl phthalate	117-84-0	16.0	45.7	<45.7	ug/kg dry	
Benzo(b)fluoranthene	205-99-2	20.6	45.7	<45.7	ug/kg dry	
Benzo(k)fluoranthene	207-08-9	26.3	45.7	<45.7	ug/kg dry	
Benzo(a)pyrene	50-32-8	24.0	45.7	<45.7	ug/kg dry	
Indeno(1,2,3-cd)pyrene	193-39-5	30.8	45.7	<45.7	ug/kg dry	
Dibenzo(a,h)anthracene	53-70-3	29.7	45.7	<45.7	ug/kg dry	
Benzo(g,h,i)perylene	191-24-2	26.3	45.7	<45.7	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2-Fluorophenol	367-12-4	56	25-121	
Phenol-d6	13127-88-3	56	24-113	
Nitrobenzene-d5	4165-60-0	56	23-120	
2-Fluorobiphenyl	321-60-8	59	30-115	
2,4,6-Tribromophenol	118-79-6	77	19-122	
Terphenyl-d14	1718-51-0	66	18-137	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	97	50-200	
Naphthalene-d8	1146-65-2	98	50-200	
Acenaphthene-d10	15067-26-2	95	50-200	
Phenanthrene-d10	1517-22-2	95	50-200	
Chrysene-d12	1719-03-5	95	50-200	
Perylene-d12	1520-96-3	99	50-200	

Date Prepared: 10/09/2014

Preparation Method: EPA 3545 A

Date Analyzed: 10/10/2014

Analytical Method: EPA 8270 D

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 10:55	Sample ID: B-6 10'-12'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-02 % Solid:87.57
Matrix: Soil	ELAP: #11693

Pesticides Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
alpha-BHC	319-84-6	0.277	5.71	<5.71	ug/kg dry	
gamma-BHC	58-89-9	0.283	5.71	<5.71	ug/kg dry	
beta-BHC	319-85-7	0.478	5.71	<5.71	ug/kg dry	
delta-BHC	319-86-8	0.346	5.71	<5.71	ug/kg dry	
Heptachlor	76-44-8	0.314	5.71	<5.71	ug/kg dry	
Aldrin	309-00-2	0.439	5.71	<5.71	ug/kg dry	
Heptachlor Epoxide	1024-57-3	0.507	5.71	<5.71	ug/kg dry	
trans-Chlordane	5103-74-2	0.723	5.71	<5.71	ug/kg dry	
cis-Chlordane	5103-71-9	0.483	5.71	<5.71	ug/kg dry	
4,4'-DDE	72-55-9	0.292	3.43	<3.43	ug/kg dry	
Endosulfan I	959-98-8	0.552	5.71	<5.71	ug/kg dry	
Dieldrin	60-57-1	0.456	5.71	<5.71	ug/kg dry	
Endrin	72-20-8	0.523	5.71	<5.71	ug/kg dry	
4,4'-DDD	72-54-8	0.520	3.43	<3.43	ug/kg dry	
Endosulfan II	33213-65-9	0.972	5.71	<5.71	ug/kg dry	
4,4'-DDT	50-29-3	0.755	3.43	<3.43	ug/kg dry	4.M
Endrin Aldehyde	7421-93-4	0.804	5.71	<5.71	ug/kg dry	
Methoxychlor	72-43-5	1.25	5.71	<5.71	ug/kg dry	
Endosulfan Sulfate	1031-07-8	1.34	5.71	<5.71	ug/kg dry	
Endrin Ketone	53494-70-5	1.15	5.71	<5.71	ug/kg dry	
Toxaphene	8001-35-2	7.86	114	<114	ug/kg dry	
Chlordane	12789-03-6	1.55	17.1	<17.1	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Tetrachloro-m-xylene	877-09-8	100	70-130	
Decachlorobiphenyl	2051-24-3	91	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	97	50-200	

Date Prepared: 10/08/2014

Date Analyzed: 10/11/2014

Preparation Method: EPA 3545 A

Analytical Method: EPA 8081B

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 10:55	Sample ID: B-6 10'-12'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-02 % Solid:87.57
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	6.82	11.4	<11.4	ug/kg dry	
Aroclor-1260	11096-82-5	4.18	11.4	<11.4	ug/kg dry	
Aroclor-1221	11104-28-2	4.57	11.4	<11.4	ug/kg dry	
Aroclor-1232	11141-16-5	4.57	11.4	<11.4	ug/kg dry	
Aroclor-1242	53469-21-9	4.57	11.4	<11.4	ug/kg dry	
Aroclor-1248	12672-29-6	4.57	11.4	<11.4	ug/kg dry	
Aroclor-1254	11097-69-1	4.57	11.4	<11.4	ug/kg dry	
Aroclor-1262	37324-23-5	4.57	11.4	<11.4	ug/kg dry	
Aroclor-1268	11100-14-4	4.57	11.4	<11.4	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Tetrachloro-m-xylene	877-09-8	88	70-130	
Decachlorobiphenyl	2051-24-3	81	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	125	50-200	

Date Prepared: 10/08/2014

Date Analyzed: 10/09/2014

Preparation Method: EPA 3545 A

Analytical Method: EPA 8082 A

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 10:55	Sample ID: B-6 10'-12'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-02 % Solid:87.57
Matrix: Soil	ELAP: #11693

Total Metals Analysis

Parameter	Date Analyzed	Method	MDL	LOQ	Result	Units	Flag
Aluminum	10/09/2014	EPA 6010 C	0.68	10.6	5590	mg/kg dry	
Antimony	10/09/2014	EPA 6010 C	0.73	1.77	<1.77	mg/kg dry	
Arsenic	10/09/2014	EPA 6010 C	0.19	1.77	2.24	mg/kg dry	
Barium	10/09/2014	EPA 6010 C	0.33	1.77	56.1	mg/kg dry	
Beryllium	10/09/2014	EPA 6010 C	0.19	1.77	<1.77	mg/kg dry	
Cadmium	10/09/2014	EPA 6010 C	0.18	1.74	<1.74	mg/kg dry	
Calcium	10/09/2014	EPA 6010 C	0.552	10.6	1760	mg/kg dry	
Chromium	10/09/2014	EPA 6010 C	0.18	1.77	20.6	mg/kg dry	
Cobalt	10/09/2014	EPA 6010 C	0.172	1.77	8.33	mg/kg dry	
Copper	10/09/2014	EPA 6010 C	0.16	1.77	19.6	mg/kg dry	
Iron	10/09/2014	EPA 6010 C	6.96	52.9	26700	mg/kg dry	3.E
Lead	10/09/2014	EPA 6010 C	0.17	1.77	11.1	mg/kg dry	
Magnesium	10/09/2014	EPA 6010 C	0.687	5.29	1650	mg/kg dry	
Manganese	10/09/2014	EPA 6010 C	2.41	17.7	530	mg/kg dry	3.E
Nickel	10/09/2014	EPA 6010 C	0.20	1.77	14.4	mg/kg dry	
Potassium	10/09/2014	EPA 6010 C	1.69	10.6	1010	mg/kg dry	
Selenium	10/09/2014	EPA 6010 C	0.60	1.77	<1.77	mg/kg dry	
Silver	10/09/2014	EPA 6010 C	0.15	1.77	<1.77	mg/kg dry	
Sodium	10/09/2014	EPA 6010 C	0.874	5.29	102	mg/kg dry	
Thallium	10/09/2014	EPA 6010 C	1.21	1.77	<1.77	mg/kg dry	
Vanadium	10/09/2014	EPA 6010 C	0.21	1.77	28.5	mg/kg dry	
Zinc	10/09/2014	EPA 6010 C	0.46	1.77	38.0	mg/kg dry	

Date Prepared: 10/09/2014 Preparation Method: EPA 3050B

Parameter	Date Analyzed	Method	MDL	LOQ	Result	Units	Flag
Mercury	10/10/2014	EPA 7471 B	0.002	0.02	<0.02	mg/kg dry	

Date Prepared: 10/09/2014 Preparation Method: EPA 7471 B

Parameter	Date Analyzed	Method	MDL	LOQ	Result	Units	Flag
Cyanide	10/13/2014	EPA 9014	0.01	0.11	<0.11	mg/kg dry	

Date Prepared: 10/09/2014 Preparation Method: Distillation Prep

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 11:02	Sample ID: B-5 0'-2'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-03 % Solid:84.96
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Dichlorodifluoromethane	75-71-8	0.643	5.88	<5.88	ug/kg dry	5.L
Chlorodifluoromethane	75-45-6	0.686	5.88	<5.88	ug/kg dry	2.B, 5.L
Chloromethane	74-87-3	0.752	5.88	<5.88	ug/kg dry	4.J, 5.L
Vinyl chloride	75-01-4	0.447	5.88	<5.88	ug/kg dry	5.L
Bromomethane	74-83-9	1.95	5.88	<5.88	ug/kg dry	5.L
Chloroethane	75-00-3	0.401	5.88	<5.88	ug/kg dry	5.L
Trichlorofluoromethane	75-69-4	0.610	5.88	<5.88	ug/kg dry	5.L
Acetone	67-64-1	6.85	58.8	<58.8	ug/kg dry	5.L
1,1-Dichloroethylene	75-35-4	0.521	5.88	<5.88	ug/kg dry	5.L
tert-Butyl alcohol	75-65-0	2.03	5.88	<5.88	ug/kg dry	5.L
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	0.503	5.88	<5.88	ug/kg dry	5.L
Acrylonitrile	107-13-1	0.749	5.88	<5.88	ug/kg dry	5.L
Methylene Chloride	75-09-2	1.32	5.88	<5.88	ug/kg dry	5.L
Carbon disulfide	75-15-0	0.417	5.88	<5.88	ug/kg dry	5.L
Methyl-tert-Butyl Ether	1634-04-4	0.452	5.88	<5.88	ug/kg dry	5.L
trans-1,2-Dichloroethylene	156-60-5	0.544	5.88	<5.88	ug/kg dry	5.L
1,1-Dichloroethane	75-34-3	0.644	5.88	<5.88	ug/kg dry	5.L
Methyl Ethyl Ketone (2-Butanone)	78-93-3	1.77	11.8	<11.8	ug/kg dry	5.L
cis-1,2-Dichloroethylene	156-59-2	0.500	5.88	<5.88	ug/kg dry	5.L
2,2-Dichloropropane	594-20-7	0.372	5.88	<5.88	ug/kg dry	5.L
Bromochloromethane	74-97-5	0.697	5.88	<5.88	ug/kg dry	5.L
Chloroform	67-66-3	0.625	5.88	<5.88	ug/kg dry	5.L
1,1,1-Trichloroethane	71-55-6	0.434	5.88	<5.88	ug/kg dry	5.L
1,2-Dichloroethane	107-06-2	0.574	5.88	<5.88	ug/kg dry	5.L
1,1-Dichloropropylene	563-58-6	0.556	5.88	<5.88	ug/kg dry	5.L
Carbon Tetrachloride	56-23-5	0.564	5.88	<5.88	ug/kg dry	5.L
Benzene	71-43-2	0.425	5.88	<5.88	ug/kg dry	5.L
Trichloroethylene	79-01-6	0.643	5.88	<5.88	ug/kg dry	5.L
1,2-Dichloropropane	78-87-5	0.611	5.88	<5.88	ug/kg dry	5.L
Dibromomethane	74-95-3	0.479	5.88	<5.88	ug/kg dry	5.L

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 11:02	Sample ID: B-5 0'-2'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-03 % Solid:84.96
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
1,4-Dioxane	123-91-1	27.1	58.8	<58.8	ug/kg dry	5.L
Bromodichloromethane	75-27-4	0.506	5.88	<5.88	ug/kg dry	5.L
4-Methyl-2-Pentanone	108-10-1	0.674	11.8	<11.8	ug/kg dry	5.L
cis-1,3-Dichloropropylene	10061-01-5	0.505	5.88	<5.88	ug/kg dry	5.L
Toluene	108-88-3	0.460	5.88	<5.88	ug/kg dry	5.L
trans-1,3-Dichloropropylene	10061-02-6	0.393	5.88	<5.88	ug/kg dry	5.L
1,1,2-Trichloroethane	79-00-5	0.543	5.88	<5.88	ug/kg dry	5.L
Methyl Butyl Ketone (2-Hexanone)	591-78-6	0.823	5.88	<5.88	ug/kg dry	5.L
1,3-Dichloropropane	142-28-9	0.432	5.88	<5.88	ug/kg dry	5.L
Dibromochloromethane	124-48-1	0.385	5.88	<5.88	ug/kg dry	5.L
Tetrachloroethylene	127-18-4	0.553	5.88	<5.88	ug/kg dry	5.L
1,2-Dibromoethane	106-93-4	0.499	5.88	<5.88	ug/kg dry	5.L
Chlorobenzene	108-90-7	0.500	5.88	<5.88	ug/kg dry	5.L
1,1,1,2-Tetrachloroethane	630-20-6	0.790	5.88	<5.88	ug/kg dry	5.L
Ethylbenzene	100-41-4	0.424	5.88	<5.88	ug/kg dry	5.L
m,p-Xylenes	108-38-3/106-42-3	0.649	11.8	<11.8	ug/kg dry	5.L
Styrene	100-42-5	0.301	5.88	<5.88	ug/kg dry	5.L
o-Xylene	95-47-6	0.295	5.88	<5.88	ug/kg dry	5.L
Bromoform	75-25-2	0.423	5.88	<5.88	ug/kg dry	5.L
1,1,2,2-Tetrachloroethane	79-34-5	0.414	5.88	<5.88	ug/kg dry	5.L
Isopropylbenzene (Cumene)	98-82-8	0.295	5.88	<5.88	ug/kg dry	5.L
1,2,3-Trichloropropane	96-18-4	0.651	5.88	<5.88	ug/kg dry	5.L
Bromobenzene	108-86-1	0.391	5.88	<5.88	ug/kg dry	5.L
n-Propylbenzene	103-65-1	0.410	5.88	<5.88	ug/kg dry	5.L
2-Chlorotoluene	95-49-8	0.455	5.88	<5.88	ug/kg dry	5.L
4-Ethyltoluene	622-96-8	0.431	5.88	<5.88	ug/kg dry	2.B, 5.L
4-Chlorotoluene	106-43-4	0.360	5.88	<5.88	ug/kg dry	5.L
1,3,5-Trimethylbenzene	108-67-8	0.374	5.88	<5.88	ug/kg dry	5.L
tert-Butylbenzene	98-06-6	0.534	5.88	<5.88	ug/kg dry	5.L

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 11:02	Sample ID: B-5 0'-2'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-03 % Solid:84.96
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
1,2,4-Trimethylbenzene	95-63-6	0.411	5.88	<5.88	ug/kg dry	5.L
sec-Butylbenzene	135-98-8	0.366	5.88	<5.88	ug/kg dry	5.L
1,3-Dichlorobenzene	541-73-1	3.34	58.8	<58.8	ug/kg dry	3.A, 5.L
4-Isopropyltoluene	99-87-6	4.65	58.8	<58.8	ug/kg dry	3.A, 5.L
1,4-Dichlorobenzene	106-46-7	4.79	58.8	<58.8	ug/kg dry	3.A, 5.L
1,2-Dichlorobenzene	95-50-1	5.08	58.8	<58.8	ug/kg dry	3.A, 5.L
1,4-Diethylbenzene	105-05-5	3.01	58.8	<58.8	ug/kg dry	2.B, 3.A, 5.L
n-Butylbenzene	104-51-8	3.55	58.8	<58.8	ug/kg dry	3.A, 5.L
1,2-Dibromo-3-chloropropane	96-12-8	7.24	58.8	<58.8	ug/kg dry	3.A, 5.L
1,2,4,5-Tetramethylbenzene	95-93-2	3.08	58.8	<58.8	ug/kg dry	2.B, 3.A, 5.L
1,2,4-Trichlorobenzene	120-82-1	3.63	58.8	<58.8	ug/kg dry	3.A, 5.L
Naphthalene	91-20-3	6.94	58.8	<58.8	ug/kg dry	3.A, 5.L
Hexachlorobutadiene	87-68-3	3.41	58.8	<58.8	ug/kg dry	3.A, 5.L
1,2,3-Trichlorobenzene	87-61-6	6.57	58.8	<58.8	ug/kg dry	3.A, 5.L

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Dibromofluoromethane	1868-53-7	102	70-130	
1,2-Dichloroethane-d4	10706-07-0	108	70-130	
Toluene-d8	2037-26-5	105	70-130	
4-Bromofluorobenzene	460-00-4	106	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
Pentafluorobenzene	363-72-4	59	50-200	
1,4-Difluorobenzene	540-36-3	59	50-200	
Chlorobenzene-d5	3114-55-4	55	50-200	
1,4-Dichlorobenzene-d4	3855-82-1	58	50-200	

Date Prepared: 10/08/2014

Preparation Method: EPA 5035A-L

Date Analyzed: 10/09/2014

Analytical Method: EPA 8260 C

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 11:02	Sample ID: B-5 0'-2'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-03 % Solid:84.96
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Pyridine	110-86-1	100	794	<794	ug/kg dry	3.A, 4.N
N-Nitrosodimethylamine	62-75-9	165	235	<235	ug/kg dry	3.A
Phenol	108-95-2	94.2	235	<235	ug/kg dry	3.A
Aniline	62-53-3	82.4	235	<235	ug/kg dry	3.A
2-Chlorophenol	95-57-8	106	235	<235	ug/kg dry	3.A
Bis(2-Chloroethyl)ether	111-44-4	153	235	<235	ug/kg dry	3.A
1,3-Dichlorobenzene	541-73-1	94.2	235	<235	ug/kg dry	3.A
1,4-Dichlorobenzene	106-46-7	112	235	<235	ug/kg dry	3.A
Benzyl alcohol	100-51-6	88.3	235	<235	ug/kg dry	3.A
1,2-Dichlorobenzene	95-50-1	94.2	235	<235	ug/kg dry	3.A
2-Methylphenol	95-48-7	135	235	<235	ug/kg dry	3.A
Bis(2-chloroisopropyl)ether	39638-32-9	147	235	<235	ug/kg dry	3.A
Hexachloroethane	67-72-1	118	235	<235	ug/kg dry	3.A
3/4-Methylphenol	108-39-4/106-44-5	106	235	<235	ug/kg dry	3.A
N-Nitroso-di-n-propylamine	621-64-7	88.3	235	<235	ug/kg dry	3.A
Nitrobenzene	98-95-3	106	235	<235	ug/kg dry	3.A
Isophorone	78-59-1	82.4	235	<235	ug/kg dry	3.A
2-Nitrophenol	88-75-5	165	235	<235	ug/kg dry	3.A
2,4-Dimethylphenol	105-67-9	171	235	<235	ug/kg dry	3.A
Benzoic Acid	65-85-0	141	235	<235	ug/kg dry	3.A, 4.N
bis(2-Chloroethoxy)methane	111-91-1	118	235	<235	ug/kg dry	3.A
2,4-Dichlorophenol	120-83-2	82.4	235	<235	ug/kg dry	3.A
1,2,4-Trichlorobenzene	120-82-1	118	235	<235	ug/kg dry	3.A
Naphthalene	91-20-3	94.2	235	345	ug/kg dry	3.E
4-Chloroaniline	106-47-8	82.4	235	<235	ug/kg dry	3.A
Hexachlorobutadiene	87-68-3	165	235	<235	ug/kg dry	3.A
4-Chloro-3-methylphenol	59-50-7	182	235	<235	ug/kg dry	3.A
2-Methylnaphthalene	91-57-6	124	235	<235	ug/kg dry	3.A
Hexachlorocyclopentadiene	77-47-4	106	235	<235	ug/kg dry	3.A
2,4,6-Trichlorophenol	88-06-2	106	235	<235	ug/kg dry	3.A

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 11:02	Sample ID: B-5 0'-2'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-03 % Solid:84.96
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
2,4,5-Trichlorophenol	95-95-4	147	235	<235	ug/kg dry	3.A
2-Chloronaphthalene	91-58-7	82.4	235	<235	ug/kg dry	3.A
2-Nitroaniline	88-74-4	200	235	<235	ug/kg dry	3.A
Dimethyl phthalate	131-11-3	100	235	<235	ug/kg dry	3.A
Acenaphthylene	208-96-8	129	235	279	ug/kg dry	3.E
2,6-Dinitrotoluene	606-20-2	124	235	<235	ug/kg dry	3.A
3-Nitroaniline	99-09-2	188	235	<235	ug/kg dry	3.A
Acenaphthene	83-32-9	135	235	726	ug/kg dry	3.E
2,4-Dinitrophenol	51-28-5	82.4	794	<794	ug/kg dry	3.A, 4.N
Dibenzofuran	132-64-9	112	235	455	ug/kg dry	3.E
4-Nitrophenol	100-02-7	94.2	794	<794	ug/kg dry	3.A
2,4-Dinitrotoluene	121-14-2	82.4	235	<235	ug/kg dry	3.A
Fluorene	86-73-7	129	235	690	ug/kg dry	3.E
Diethyl phthalate	84-66-2	118	235	<235	ug/kg dry	3.A
4-Chlorophenyl phenyl ether	7005-72-3	112	235	<235	ug/kg dry	3.A
4-Nitroaniline	100-01-6	118	235	<235	ug/kg dry	3.A
4,6-Dinitro-2-methylphenol	534-52-1	106	794	<794	ug/kg dry	3.A
N-Nitrosodiphenylamine	86-30-6	106	235	<235	ug/kg dry	3.A
4-Bromophenyl phenyl ether	101-55-3	106	235	<235	ug/kg dry	3.A
Hexachlorobenzene	118-74-1	118	235	<235	ug/kg dry	3.A
Pentachlorophenol	87-86-5	100	235	<235	ug/kg dry	3.A
Phenanthrene	85-01-8	129	235	8930	ug/kg dry	3.E
Anthracene	120-12-7	106	235	1600	ug/kg dry	3.E
Carbazole	86-74-8	100	235	910	ug/kg dry	3.E
Di-n-butyl phthalate	84-74-2	129	235	<235	ug/kg dry	3.A
Parathion (ethyl)	56-38-2	306	353	<353	ug/kg dry	3.A
Fluoranthene	206-44-0	118	235	11100	ug/kg dry	3.E
Pyrene	129-00-0	124	235	10200	ug/kg dry	3.E
Butyl benzyl phthalate	85-68-7	112	235	<235	ug/kg dry	3.A

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 11:02	Sample ID: B-5 0'-2'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-03 % Solid:84.96
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Benzo(a)anthracene	56-55-3	141	235	6080	ug/kg dry	3.E
Chrysene	218-01-9	124	235	5660	ug/kg dry	3.E
3,3'-Dichlorobenzidine	91-94-1	82.4	235	<235	ug/kg dry	3.A
Bis(2-Ethylhexyl)phthalate	117-81-7	124	235	706	ug/kg dry	3.E
Di-n-octyl phthalate	117-84-0	82.4	235	<235	ug/kg dry	3.A
Benzo(b)fluoranthene	205-99-2	106	235	7730	ug/kg dry	3.E
Benzo(k)fluoranthene	207-08-9	135	235	2810	ug/kg dry	3.E
Benzo(a)pyrene	50-32-8	124	235	5630	ug/kg dry	3.E
Indeno(1,2,3-cd)pyrene	193-39-5	159	235	4670	ug/kg dry	3.E
Dibenzo(a,h)anthracene	53-70-3	153	235	851	ug/kg dry	3.E
Benzo(g,h,i)perylene	191-24-2	135	235	3820	ug/kg dry	3.E

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2-Fluorophenol	367-12-4	52	25-121	3.E
Phenol-d6	13127-88-3	52	24-113	3.E
Nitrobenzene-d5	4165-60-0	51	23-120	3.E
2-Fluorobiphenyl	321-60-8	53	30-115	3.E
2,4,6-Tribromophenol	118-79-6	64	19-122	3.E
Terphenyl-d14	1718-51-0	64	18-137	3.E

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	110	50-200	
Naphthalene-d8	1146-65-2	111	50-200	
Acenaphthene-d10	15067-26-2	107	50-200	
Phenanthrene-d10	1517-22-2	107	50-200	
Chrysene-d12	1719-03-5	107	50-200	
Perylene-d12	1520-96-3	113	50-200	

Date Prepared: 10/09/2014

Date Analyzed: 10/10/2014

Preparation Method: EPA 3545 A

Analytical Method: EPA 8270 D

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 11:02	Sample ID: B-5 0'-2'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-03 % Solid:84.96
Matrix: Soil	ELAP: #11693

Pesticides Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
alpha-BHC	319-84-6	0.286	5.88	<5.88	ug/kg dry	
gamma-BHC	58-89-9	0.292	5.88	<5.88	ug/kg dry	
beta-BHC	319-85-7	0.493	5.88	<5.88	ug/kg dry	
delta-BHC	319-86-8	0.357	5.88	<5.88	ug/kg dry	
Heptachlor	76-44-8	0.324	5.88	<5.88	ug/kg dry	
Aldrin	309-00-2	0.452	5.88	<5.88	ug/kg dry	
Heptachlor Epoxide	1024-57-3	0.523	5.88	<5.88	ug/kg dry	
trans-Chlordane	5103-74-2	0.745	5.88	<5.88	ug/kg dry	
cis-Chlordane	5103-71-9	0.498	5.88	<5.88	ug/kg dry	
4,4'-DDE	72-55-9	0.301	3.53	<3.53	ug/kg dry	
Endosulfan I	959-98-8	0.568	5.88	<5.88	ug/kg dry	
Dieldrin	60-57-1	0.470	5.88	<5.88	ug/kg dry	
Endrin	72-20-8	0.539	5.88	<5.88	ug/kg dry	
4,4'-DDD	72-54-8	0.536	3.53	<3.53	ug/kg dry	
Endosulfan II	33213-65-9	1.00	5.88	<5.88	ug/kg dry	
4,4'-DDT	50-29-3	0.778	3.53	<3.53	ug/kg dry	4.M
Endrin Aldehyde	7421-93-4	0.829	5.88	<5.88	ug/kg dry	
Methoxychlor	72-43-5	1.29	5.88	<5.88	ug/kg dry	
Endosulfan Sulfate	1031-07-8	1.38	5.88	<5.88	ug/kg dry	
Endrin Ketone	53494-70-5	1.19	5.88	<5.88	ug/kg dry	
Toxaphene	8001-35-2	8.10	118	<118	ug/kg dry	
Chlordane	12789-03-6	1.60	17.7	<17.7	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Tetrachloro-m-xylene	877-09-8	86	70-130	
Decachlorobiphenyl	2051-24-3	84	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	101	50-200	

Date Prepared: 10/08/2014

Date Analyzed: 10/11/2014

Preparation Method: EPA 3545 A

Analytical Method: EPA 8081B

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 11:02	Sample ID: B-5 0'-2'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-03 % Solid:84.96
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	7.03	11.8	<11.8	ug/kg dry	
Aroclor-1260	11096-82-5	4.31	11.8	<11.8	ug/kg dry	
Aroclor-1221	11104-28-2	4.71	11.8	<11.8	ug/kg dry	
Aroclor-1232	11141-16-5	4.71	11.8	<11.8	ug/kg dry	
Aroclor-1242	53469-21-9	4.71	11.8	<11.8	ug/kg dry	
Aroclor-1248	12672-29-6	4.71	11.8	<11.8	ug/kg dry	
Aroclor-1254	11097-69-1	4.71	11.8	<11.8	ug/kg dry	
Aroclor-1262	37324-23-5	4.71	11.8	<11.8	ug/kg dry	
Aroclor-1268	11100-14-4	4.71	11.8	<11.8	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Tetrachloro-m-xylene	877-09-8	76	70-130	
Decachlorobiphenyl	2051-24-3	56	70-130	4.L

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	131	50-200	

Date Prepared: 10/08/2014

Preparation Method: EPA 3545 A

Date Analyzed: 10/10/2014

Analytical Method: EPA 8082 A

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 11:02	Sample ID: B-5 0'-2'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-03 % Solid:84.96
Matrix: Soil	ELAP: #11693

Total Metals Analysis

Parameter	Date Analyzed	Method	MDL	LOQ	Result	Units	Flag
Aluminum	10/09/2014	EPA 6010 C	0.73	11.4	7030	mg/kg dry	
Antimony	10/09/2014	EPA 6010 C	0.78	1.90	<1.90	mg/kg dry	
Arsenic	10/09/2014	EPA 6010 C	0.20	1.90	21.3	mg/kg dry	
Barium	10/09/2014	EPA 6010 C	3.56	19.0	576	mg/kg dry	3.E
Beryllium	10/09/2014	EPA 6010 C	0.20	1.90	<1.90	mg/kg dry	
Cadmium	10/09/2014	EPA 6010 C	0.20	1.88	<1.88	mg/kg dry	
Calcium	10/09/2014	EPA 6010 C	5.95	114	24100	mg/kg dry	3.E
Chromium	10/09/2014	EPA 6010 C	0.19	1.90	30.5	mg/kg dry	
Cobalt	10/09/2014	EPA 6010 C	0.186	1.90	8.33	mg/kg dry	
Copper	10/09/2014	EPA 6010 C	1.67	19.0	485	mg/kg dry	3.E
Iron	10/09/2014	EPA 6010 C	7.49	56.9	26900	mg/kg dry	3.E
Lead	10/09/2014	EPA 6010 C	1.85	19.0	1410	mg/kg dry	3.E
Magnesium	10/09/2014	EPA 6010 C	0.740	5.69	1690	mg/kg dry	
Manganese	10/09/2014	EPA 6010 C	0.26	1.90	366	mg/kg dry	
Nickel	10/09/2014	EPA 6010 C	0.22	1.90	15.5	mg/kg dry	
Potassium	10/09/2014	EPA 6010 C	1.82	11.4	1260	mg/kg dry	
Selenium	10/09/2014	EPA 6010 C	0.64	1.90	1.96	mg/kg dry	
Silver	10/09/2014	EPA 6010 C	0.16	1.90	<1.90	mg/kg dry	
Sodium	10/09/2014	EPA 6010 C	0.941	5.69	508	mg/kg dry	
Thallium	10/09/2014	EPA 6010 C	1.30	1.90	<1.90	mg/kg dry	
Vanadium	10/09/2014	EPA 6010 C	0.22	1.90	25.1	mg/kg dry	
Zinc	10/09/2014	EPA 6010 C	4.93	19.0	954	mg/kg dry	3.E

Date Prepared: 10/09/2014 Preparation Method: EPA 3050B

Parameter	Date Analyzed	Method	MDL	LOQ	Result	Units	Flag
Mercury	10/10/2014	EPA 7471 B	0.002	0.02	5.88	mg/kg dry	3.E

Date Prepared: 10/09/2014 Preparation Method: EPA 7471 B

Parameter	Date Analyzed	Method	MDL	LOQ	Result	Units	Flag
Cyanide	10/13/2014	EPA 9014	0.01	0.12	1.53	mg/kg dry	

Date Prepared: 10/09/2014 Preparation Method: Distillation Prep

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 11:15	Sample ID: B-5 10'-12'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-04 % Solid:88.88
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Dichlorodifluoromethane	75-71-8	0.614	5.63	<5.63	ug/kg dry	5.L
Chlorodifluoromethane	75-45-6	0.656	5.63	<5.63	ug/kg dry	2.B, 5.L
Chloromethane	74-87-3	0.719	5.63	<5.63	ug/kg dry	4.J, 5.L
Vinyl chloride	75-01-4	0.428	5.63	<5.63	ug/kg dry	5.L
Bromomethane	74-83-9	1.87	5.63	<5.63	ug/kg dry	5.L
Chloroethane	75-00-3	0.384	5.63	<5.63	ug/kg dry	5.L
Trichlorofluoromethane	75-69-4	0.583	5.63	<5.63	ug/kg dry	5.L
Acetone	67-64-1	6.55	56.3	<56.3	ug/kg dry	5.L
1,1-Dichloroethylene	75-35-4	0.498	5.63	<5.63	ug/kg dry	5.L
tert-Butyl alcohol	75-65-0	1.94	5.63	<5.63	ug/kg dry	5.L
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	0.480	5.63	<5.63	ug/kg dry	5.L
Acrylonitrile	107-13-1	0.716	5.63	<5.63	ug/kg dry	5.L
Methylene Chloride	75-09-2	1.26	5.63	<5.63	ug/kg dry	5.L
Carbon disulfide	75-15-0	0.398	5.63	<5.63	ug/kg dry	5.L
Methyl-tert-Butyl Ether	1634-04-4	0.432	5.63	<5.63	ug/kg dry	5.L
trans-1,2-Dichloroethylene	156-60-5	0.520	5.63	<5.63	ug/kg dry	5.L
1,1-Dichloroethane	75-34-3	0.615	5.63	<5.63	ug/kg dry	5.L
Methyl Ethyl Ketone (2-Butanone)	78-93-3	1.69	11.3	<11.3	ug/kg dry	5.L
cis-1,2-Dichloroethylene	156-59-2	0.478	5.63	<5.63	ug/kg dry	5.L
2,2-Dichloropropane	594-20-7	0.356	5.63	<5.63	ug/kg dry	5.L
Bromochloromethane	74-97-5	0.666	5.63	<5.63	ug/kg dry	5.L
Chloroform	67-66-3	0.597	5.63	<5.63	ug/kg dry	5.L
1,1,1-Trichloroethane	71-55-6	0.415	5.63	<5.63	ug/kg dry	5.L
1,2-Dichloroethane	107-06-2	0.549	5.63	<5.63	ug/kg dry	5.L
1,1-Dichloropropylene	563-58-6	0.531	5.63	<5.63	ug/kg dry	5.L
Carbon Tetrachloride	56-23-5	0.539	5.63	<5.63	ug/kg dry	5.L
Benzene	71-43-2	0.406	5.63	<5.63	ug/kg dry	5.L
Trichloroethylene	79-01-6	0.614	5.63	<5.63	ug/kg dry	5.L
1,2-Dichloropropane	78-87-5	0.584	5.63	<5.63	ug/kg dry	5.L
Dibromomethane	74-95-3	0.458	5.63	<5.63	ug/kg dry	5.L

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 11:15	Sample ID: B-5 10'-12'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-04 % Solid:88.88
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
1,4-Dioxane	123-91-1	25.9	56.3	<56.3	ug/kg dry	5.L
Bromodichloromethane	75-27-4	0.484	5.63	<5.63	ug/kg dry	5.L
4-Methyl-2-Pentanone	108-10-1	0.645	11.3	<11.3	ug/kg dry	5.L
cis-1,3-Dichloropropylene	10061-01-5	0.483	5.63	<5.63	ug/kg dry	5.L
Toluene	108-88-3	0.440	5.63	<5.63	ug/kg dry	5.L
trans-1,3-Dichloropropylene	10061-02-6	0.376	5.63	<5.63	ug/kg dry	5.L
1,1,2-Trichloroethane	79-00-5	0.519	5.63	<5.63	ug/kg dry	5.L
Methyl Butyl Ketone (2-Hexanone)	591-78-6	0.786	5.63	<5.63	ug/kg dry	5.L
1,3-Dichloropropane	142-28-9	0.413	5.63	<5.63	ug/kg dry	5.L
Dibromochloromethane	124-48-1	0.368	5.63	<5.63	ug/kg dry	5.L
Tetrachloroethylene	127-18-4	0.529	5.63	<5.63	ug/kg dry	5.L
1,2-Dibromoethane	106-93-4	0.477	5.63	<5.63	ug/kg dry	5.L
Chlorobenzene	108-90-7	0.478	5.63	<5.63	ug/kg dry	5.L
1,1,1,2-Tetrachloroethane	630-20-6	0.755	5.63	<5.63	ug/kg dry	5.L
Ethylbenzene	100-41-4	0.405	5.63	<5.63	ug/kg dry	5.L
m,p-Xylenes	108-38-3/106-42-3	0.620	11.3	<11.3	ug/kg dry	5.L
Styrene	100-42-5	0.288	5.63	<5.63	ug/kg dry	5.L
o-Xylene	95-47-6	0.282	5.63	<5.63	ug/kg dry	5.L
Bromoform	75-25-2	0.404	5.63	<5.63	ug/kg dry	5.L
1,1,2,2-Tetrachloroethane	79-34-5	0.396	5.63	<5.63	ug/kg dry	5.L
Isopropylbenzene (Cumene)	98-82-8	0.282	5.63	<5.63	ug/kg dry	5.L
1,2,3-Trichloropropane	96-18-4	0.622	5.63	<5.63	ug/kg dry	5.L
Bromobenzene	108-86-1	0.374	5.63	<5.63	ug/kg dry	5.L
n-Propylbenzene	103-65-1	0.392	5.63	<5.63	ug/kg dry	5.L
2-Chlorotoluene	95-49-8	0.435	5.63	<5.63	ug/kg dry	5.L
4-Ethyltoluene	622-96-8	0.412	5.63	<5.63	ug/kg dry	2.B, 5.L
4-Chlorotoluene	106-43-4	0.344	5.63	<5.63	ug/kg dry	5.L
1,3,5-Trimethylbenzene	108-67-8	0.358	5.63	<5.63	ug/kg dry	5.L
tert-Butylbenzene	98-06-6	0.511	5.63	<5.63	ug/kg dry	5.L

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 11:15	Sample ID: B-5 10'-12'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-04 % Solid:88.88
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
1,2,4-Trimethylbenzene	95-63-6	0.393	5.63	<5.63	ug/kg dry	5.L
sec-Butylbenzene	135-98-8	0.350	5.63	<5.63	ug/kg dry	5.L
1,3-Dichlorobenzene	541-73-1	0.320	5.63	<5.63	ug/kg dry	5.L
4-Isopropyltoluene	99-87-6	0.444	5.63	<5.63	ug/kg dry	5.L
1,4-Dichlorobenzene	106-46-7	0.458	5.63	<5.63	ug/kg dry	5.L
1,2-Dichlorobenzene	95-50-1	0.486	5.63	<5.63	ug/kg dry	5.L
1,4-Diethylbenzene	105-05-5	0.288	5.63	<5.63	ug/kg dry	2.B, 5.L
n-Butylbenzene	104-51-8	0.340	5.63	<5.63	ug/kg dry	5.L
1,2-Dibromo-3-chloropropane	96-12-8	0.692	5.63	<5.63	ug/kg dry	5.L
1,2,4,5-Tetramethylbenzene	95-93-2	0.295	5.63	<5.63	ug/kg dry	2.B, 5.L
1,2,4-Trichlorobenzene	120-82-1	0.347	5.63	<5.63	ug/kg dry	5.L
Naphthalene	91-20-3	0.664	5.63	<5.63	ug/kg dry	5.L
Hexachlorobutadiene	87-68-3	0.326	5.63	<5.63	ug/kg dry	5.L
1,2,3-Trichlorobenzene	87-61-6	0.628	5.63	<5.63	ug/kg dry	5.L

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Dibromofluoromethane	1868-53-7	105	70-130	
1,2-Dichloroethane-d4	10706-07-0	103	70-130	
Toluene-d8	2037-26-5	101	70-130	
4-Bromofluorobenzene	460-00-4	104	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
Pentafluorobenzene	363-72-4	65	50-200	
1,4-Difluorobenzene	540-36-3	68	50-200	
Chlorobenzene-d5	3114-55-4	67	50-200	
1,4-Dichlorobenzene-d4	3855-82-1	59	50-200	

Date Prepared: 10/08/2014

Date Analyzed: 10/08/2014

Preparation Method: EPA 5035A-L

Analytical Method: EPA 8260 C

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 11:15	Sample ID: B-5 10'-12'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-04 % Solid:88.88
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Pyridine	110-86-1	19.1	152	<152	ug/kg dry	4.N
N-Nitrosodimethylamine	62-75-9	31.5	45.0	<45.0	ug/kg dry	
Phenol	108-95-2	18.0	45.0	<45.0	ug/kg dry	
Aniline	62-53-3	15.8	45.0	<45.0	ug/kg dry	
2-Chlorophenol	95-57-8	20.3	45.0	<45.0	ug/kg dry	
Bis(2-Chloroethyl)ether	111-44-4	29.3	45.0	<45.0	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	18.0	45.0	<45.0	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	21.4	45.0	<45.0	ug/kg dry	
Benzyl alcohol	100-51-6	16.9	45.0	<45.0	ug/kg dry	
1,2-Dichlorobenzene	95-50-1	18.0	45.0	<45.0	ug/kg dry	
2-Methylphenol	95-48-7	25.9	45.0	<45.0	ug/kg dry	
Bis(2-chloroisopropyl)ether	39638-32-9	28.1	45.0	<45.0	ug/kg dry	
Hexachloroethane	67-72-1	22.5	45.0	<45.0	ug/kg dry	
3/4-Methylphenol	108-39-4/106-44-5	20.3	45.0	<45.0	ug/kg dry	
N-Nitroso-di-n-propylamine	621-64-7	16.9	45.0	<45.0	ug/kg dry	
Nitrobenzene	98-95-3	20.3	45.0	<45.0	ug/kg dry	
Isophorone	78-59-1	15.8	45.0	<45.0	ug/kg dry	
2-Nitrophenol	88-75-5	31.5	45.0	<45.0	ug/kg dry	
2,4-Dimethylphenol	105-67-9	32.6	45.0	<45.0	ug/kg dry	
Benzoic Acid	65-85-0	27.0	45.0	<45.0	ug/kg dry	4.N
bis(2-Chloroethoxy)methane	111-91-1	22.5	45.0	<45.0	ug/kg dry	
2,4-Dichlorophenol	120-83-2	15.8	45.0	<45.0	ug/kg dry	
1,2,4-Trichlorobenzene	120-82-1	22.5	45.0	<45.0	ug/kg dry	
Naphthalene	91-20-3	18.0	45.0	<45.0	ug/kg dry	
4-Chloroaniline	106-47-8	15.8	45.0	<45.0	ug/kg dry	
Hexachlorobutadiene	87-68-3	31.5	45.0	<45.0	ug/kg dry	
4-Chloro-3-methylphenol	59-50-7	34.9	45.0	<45.0	ug/kg dry	
2-Methylnaphthalene	91-57-6	23.6	45.0	<45.0	ug/kg dry	
Hexachlorocyclopentadiene	77-47-4	20.3	45.0	<45.0	ug/kg dry	
2,4,6-Trichlorophenol	88-06-2	20.3	45.0	<45.0	ug/kg dry	

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 11:15	Sample ID: B-5 10'-12'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-04 % Solid:88.88
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
2,4,5-Trichlorophenol	95-95-4	28.1	45.0	<45.0	ug/kg dry	
2-Chloronaphthalene	91-58-7	15.8	45.0	<45.0	ug/kg dry	
2-Nitroaniline	88-74-4	38.3	45.0	<45.0	ug/kg dry	
Dimethyl phthalate	131-11-3	19.1	45.0	<45.0	ug/kg dry	
Acenaphthylene	208-96-8	24.8	45.0	<45.0	ug/kg dry	
2,6-Dinitrotoluene	606-20-2	23.6	45.0	<45.0	ug/kg dry	
3-Nitroaniline	99-09-2	36.0	45.0	<45.0	ug/kg dry	
Acenaphthene	83-32-9	25.9	45.0	<45.0	ug/kg dry	
2,4-Dinitrophenol	51-28-5	15.8	152	<152	ug/kg dry	4.N
Dibenzofuran	132-64-9	21.4	45.0	<45.0	ug/kg dry	
4-Nitrophenol	100-02-7	18.0	152	<152	ug/kg dry	
2,4-Dinitrotoluene	121-14-2	15.8	45.0	<45.0	ug/kg dry	
Fluorene	86-73-7	24.8	45.0	<45.0	ug/kg dry	
Diethyl phthalate	84-66-2	22.5	45.0	<45.0	ug/kg dry	
4-Chlorophenyl phenyl ether	7005-72-3	21.4	45.0	<45.0	ug/kg dry	
4-Nitroaniline	100-01-6	22.5	45.0	<45.0	ug/kg dry	
4,6-Dinitro-2-methylphenol	534-52-1	20.3	152	<152	ug/kg dry	
N-Nitrosodiphenylamine	86-30-6	20.3	45.0	<45.0	ug/kg dry	
4-Bromophenyl phenyl ether	101-55-3	20.3	45.0	<45.0	ug/kg dry	
Hexachlorobenzene	118-74-1	22.5	45.0	<45.0	ug/kg dry	
Pentachlorophenol	87-86-5	19.1	45.0	<45.0	ug/kg dry	
Phenanthrene	85-01-8	24.8	45.0	<45.0	ug/kg dry	
Anthracene	120-12-7	20.3	45.0	<45.0	ug/kg dry	
Carbazole	86-74-8	19.1	45.0	<45.0	ug/kg dry	
Di-n-butyl phthalate	84-74-2	24.8	45.0	<45.0	ug/kg dry	
Parathion (ethyl)	56-38-2	58.5	67.5	<67.5	ug/kg dry	
Fluoranthene	206-44-0	22.5	45.0	<45.0	ug/kg dry	
Pyrene	129-00-0	23.6	45.0	<45.0	ug/kg dry	
Butyl benzyl phthalate	85-68-7	21.4	45.0	<45.0	ug/kg dry	

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 11:15	Sample ID: B-5 10'-12'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-04 % Solid:88.88
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Benzo(a)anthracene	56-55-3	27.0	45.0	<45.0	ug/kg dry	
Chrysene	218-01-9	23.6	45.0	<45.0	ug/kg dry	
3,3'-Dichlorobenzidine	91-94-1	15.8	45.0	<45.0	ug/kg dry	
Bis(2-Ethylhexyl)phthalate	117-81-7	23.6	45.0	89.3	ug/kg dry	
Di-n-octyl phthalate	117-84-0	15.8	45.0	<45.0	ug/kg dry	
Benzo(b)fluoranthene	205-99-2	20.3	45.0	<45.0	ug/kg dry	
Benzo(k)fluoranthene	207-08-9	25.9	45.0	<45.0	ug/kg dry	
Benzo(a)pyrene	50-32-8	23.6	45.0	<45.0	ug/kg dry	
Indeno(1,2,3-cd)pyrene	193-39-5	30.4	45.0	<45.0	ug/kg dry	
Dibenzo(a,h)anthracene	53-70-3	29.3	45.0	<45.0	ug/kg dry	
Benzo(g,h,i)perylene	191-24-2	25.9	45.0	<45.0	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2-Fluorophenol	367-12-4	54	25-121	
Phenol-d6	13127-88-3	55	24-113	
Nitrobenzene-d5	4165-60-0	54	23-120	
2-Fluorobiphenyl	321-60-8	59	30-115	
2,4,6-Tribromophenol	118-79-6	73	19-122	
Terphenyl-d14	1718-51-0	63	18-137	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	93	50-200	
Naphthalene-d8	1146-65-2	95	50-200	
Acenaphthene-d10	15067-26-2	93	50-200	
Phenanthrene-d10	1517-22-2	89	50-200	
Chrysene-d12	1719-03-5	92	50-200	
Perylene-d12	1520-96-3	93	50-200	

Date Prepared: 10/09/2014

Preparation Method: EPA 3545 A

Date Analyzed: 10/10/2014

Analytical Method: EPA 8270 D

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 11:15	Sample ID: B-5 10'-12'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-04 % Solid:88.88
Matrix: Soil	ELAP: #11693

Pesticides Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
alpha-BHC	319-84-6	0.273	5.63	<5.63	ug/kg dry	
gamma-BHC	58-89-9	0.279	5.63	<5.63	ug/kg dry	
beta-BHC	319-85-7	0.471	5.63	<5.63	ug/kg dry	
delta-BHC	319-86-8	0.341	5.63	<5.63	ug/kg dry	
Heptachlor	76-44-8	0.309	5.63	<5.63	ug/kg dry	
Aldrin	309-00-2	0.432	5.63	<5.63	ug/kg dry	
Heptachlor Epoxide	1024-57-3	0.500	5.63	<5.63	ug/kg dry	
trans-Chlordane	5103-74-2	0.712	5.63	<5.63	ug/kg dry	4.G
cis-Chlordane	5103-71-9	0.476	5.63	<5.63	ug/kg dry	
4,4'-DDE	72-55-9	0.288	3.38	<3.38	ug/kg dry	
Endosulfan I	959-98-8	0.543	5.63	<5.63	ug/kg dry	
Dieldrin	60-57-1	0.449	5.63	<5.63	ug/kg dry	
Endrin	72-20-8	0.515	5.63	<5.63	ug/kg dry	
4,4'-DDD	72-54-8	0.512	3.38	<3.38	ug/kg dry	
Endosulfan II	33213-65-9	0.958	5.63	<5.63	ug/kg dry	
4,4'-DDT	50-29-3	0.744	3.38	<3.38	ug/kg dry	4.M
Endrin Aldehyde	7421-93-4	0.792	5.63	<5.63	ug/kg dry	
Methoxychlor	72-43-5	1.23	5.63	<5.63	ug/kg dry	
Endosulfan Sulfate	1031-07-8	1.32	5.63	<5.63	ug/kg dry	
Endrin Ketone	53494-70-5	1.14	5.63	<5.63	ug/kg dry	
Toxaphene	8001-35-2	7.74	113	<113	ug/kg dry	
Chlordane	12789-03-6	1.53	16.9	<16.9	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Tetrachloro-m-xylene	877-09-8	101	70-130	
Decachlorobiphenyl	2051-24-3	103	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	96	50-200	

Date Prepared: 10/08/2014

Date Analyzed: 10/11/2014

Preparation Method: EPA 3545 A

Analytical Method: EPA 8081B

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 11:15	Sample ID: B-5 10'-12'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-04 % Solid:88.88
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	6.72	11.3	<11.3	ug/kg dry	
Aroclor-1260	11096-82-5	4.12	11.3	<11.3	ug/kg dry	
Aroclor-1221	11104-28-2	4.50	11.3	<11.3	ug/kg dry	
Aroclor-1232	11141-16-5	4.50	11.3	<11.3	ug/kg dry	
Aroclor-1242	53469-21-9	4.50	11.3	<11.3	ug/kg dry	
Aroclor-1248	12672-29-6	4.50	11.3	<11.3	ug/kg dry	
Aroclor-1254	11097-69-1	4.50	11.3	<11.3	ug/kg dry	
Aroclor-1262	37324-23-5	4.50	11.3	<11.3	ug/kg dry	
Aroclor-1268	11100-14-4	4.50	11.3	<11.3	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Tetrachloro-m-xylene	877-09-8	90	70-130	
Decachlorobiphenyl	2051-24-3	86	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	126	50-200	

Date Prepared: 10/08/2014

Date Analyzed: 10/09/2014

Preparation Method: EPA 3545 A

Analytical Method: EPA 8082 A

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 11:15	Sample ID: B-5 10'-12'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-04 % Solid:88.88
Matrix: Soil	ELAP: #11693

Total Metals Analysis

Parameter	Date Analyzed	Method	MDL	LOQ	Result	Units	Flag
Aluminum	10/09/2014	EPA 6010 C	0.68	10.6	6910	mg/kg dry	
Antimony	10/09/2014	EPA 6010 C	0.73	1.77	<1.77	mg/kg dry	
Arsenic	10/09/2014	EPA 6010 C	0.19	1.77	<1.77	mg/kg dry	
Barium	10/09/2014	EPA 6010 C	0.33	1.77	40.8	mg/kg dry	
Beryllium	10/09/2014	EPA 6010 C	0.19	1.77	<1.77	mg/kg dry	
Cadmium	10/09/2014	EPA 6010 C	0.18	1.75	<1.75	mg/kg dry	
Calcium	10/09/2014	EPA 6010 C	0.555	10.6	928	mg/kg dry	
Chromium	10/09/2014	EPA 6010 C	0.18	1.77	18.6	mg/kg dry	
Cobalt	10/09/2014	EPA 6010 C	0.173	1.77	7.58	mg/kg dry	
Copper	10/09/2014	EPA 6010 C	0.16	1.77	13.1	mg/kg dry	
Iron	10/09/2014	EPA 6010 C	6.98	53.1	17400	mg/kg dry	3.E
Lead	10/09/2014	EPA 6010 C	0.17	1.77	6.76	mg/kg dry	
Magnesium	10/09/2014	EPA 6010 C	0.690	5.31	1280	mg/kg dry	
Manganese	10/09/2014	EPA 6010 C	0.24	1.77	319	mg/kg dry	
Nickel	10/09/2014	EPA 6010 C	0.20	1.77	10.2	mg/kg dry	
Potassium	10/09/2014	EPA 6010 C	1.69	10.6	863	mg/kg dry	
Selenium	10/09/2014	EPA 6010 C	0.60	1.77	<1.77	mg/kg dry	
Silver	10/09/2014	EPA 6010 C	0.15	1.77	<1.77	mg/kg dry	
Sodium	10/09/2014	EPA 6010 C	0.877	5.31	61.1	mg/kg dry	
Thallium	10/09/2014	EPA 6010 C	1.21	1.77	<1.77	mg/kg dry	
Vanadium	10/09/2014	EPA 6010 C	0.21	1.77	31.3	mg/kg dry	
Zinc	10/09/2014	EPA 6010 C	0.46	1.77	28.2	mg/kg dry	

Date Prepared: 10/09/2014 Preparation Method: EPA 3050B

Parameter	Date Analyzed	Method	MDL	LOQ	Result	Units	Flag
Mercury	10/10/2014	EPA 7471 B	0.002	0.02	0.04	mg/kg dry	

Date Prepared: 10/09/2014 Preparation Method: EPA 7471 B

Parameter	Date Analyzed	Method	MDL	LOQ	Result	Units	Flag
Cyanide	10/13/2014	EPA 9014	0.01	0.11	<0.11	mg/kg dry	

Date Prepared: 10/09/2014 Preparation Method: Distillation Prep

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 11:37	Sample ID: B-1 0'-2'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-05 % Solid:87.97
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Dichlorodifluoromethane	75-71-8	0.621	5.68	<5.68	ug/kg dry	4.J, 5.L
Chlorodifluoromethane	75-45-6	0.663	5.68	<5.68	ug/kg dry	2.B, 5.L
Chloromethane	74-87-3	0.726	5.68	<5.68	ug/kg dry	5.L
Vinyl chloride	75-01-4	0.432	5.68	<5.68	ug/kg dry	5.L
Bromomethane	74-83-9	1.89	5.68	<5.68	ug/kg dry	5.L
Chloroethane	75-00-3	0.388	5.68	<5.68	ug/kg dry	5.L
Trichlorofluoromethane	75-69-4	0.589	5.68	<5.68	ug/kg dry	5.L
Acetone	67-64-1	6.62	56.8	<56.8	ug/kg dry	5.L
1,1-Dichloroethylene	75-35-4	0.504	5.68	<5.68	ug/kg dry	5.L
tert-Butyl alcohol	75-65-0	1.96	5.68	<5.68	ug/kg dry	5.L
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	0.485	5.68	<5.68	ug/kg dry	5.L
Acrylonitrile	107-13-1	0.723	5.68	<5.68	ug/kg dry	5.L
Methylene Chloride	75-09-2	1.28	5.68	<5.68	ug/kg dry	5.L
Carbon disulfide	75-15-0	0.402	5.68	<5.68	ug/kg dry	5.L
Methyl-tert-Butyl Ether	1634-04-4	0.437	5.68	<5.68	ug/kg dry	5.L
trans-1,2-Dichloroethylene	156-60-5	0.525	5.68	<5.68	ug/kg dry	5.L
1,1-Dichloroethane	75-34-3	0.622	5.68	<5.68	ug/kg dry	5.L
Methyl Ethyl Ketone (2-Butanone)	78-93-3	1.71	11.4	<11.4	ug/kg dry	4.J, 5.L
cis-1,2-Dichloroethylene	156-59-2	0.483	5.68	<5.68	ug/kg dry	5.L
2,2-Dichloropropane	594-20-7	0.359	5.68	<5.68	ug/kg dry	5.L
Bromochloromethane	74-97-5	0.673	5.68	<5.68	ug/kg dry	5.L
Chloroform	67-66-3	0.604	5.68	<5.68	ug/kg dry	5.L
1,1,1-Trichloroethane	71-55-6	0.419	5.68	<5.68	ug/kg dry	5.L
1,2-Dichloroethane	107-06-2	0.555	5.68	<5.68	ug/kg dry	5.L
1,1-Dichloropropylene	563-58-6	0.537	5.68	<5.68	ug/kg dry	5.L
Carbon Tetrachloride	56-23-5	0.545	5.68	<5.68	ug/kg dry	5.L
Benzene	71-43-2	0.410	5.68	<5.68	ug/kg dry	5.L
Trichloroethylene	79-01-6	0.621	5.68	<5.68	ug/kg dry	5.L
1,2-Dichloropropane	78-87-5	0.590	5.68	<5.68	ug/kg dry	5.L
Dibromomethane	74-95-3	0.463	5.68	<5.68	ug/kg dry	4.J, 5.L

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 11:37	Sample ID: B-1 0'-2'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-05 % Solid:87.97
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
1,4-Dioxane	123-91-1	26.2	56.8	<56.8	ug/kg dry	5.L
Bromodichloromethane	75-27-4	0.489	5.68	<5.68	ug/kg dry	5.L
4-Methyl-2-Pentanone	108-10-1	0.651	11.4	<11.4	ug/kg dry	4.J, 5.L
cis-1,3-Dichloropropylene	10061-01-5	0.488	5.68	<5.68	ug/kg dry	5.L
Toluene	108-88-3	0.444	5.68	<5.68	ug/kg dry	5.L
trans-1,3-Dichloropropylene	10061-02-6	0.380	5.68	<5.68	ug/kg dry	5.L
1,1,2-Trichloroethane	79-00-5	0.524	5.68	<5.68	ug/kg dry	5.L
Methyl Butyl Ketone (2-Hexanone)	591-78-6	0.795	5.68	<5.68	ug/kg dry	4.J, 5.L
1,3-Dichloropropane	142-28-9	0.417	5.68	<5.68	ug/kg dry	5.L
Dibromochloromethane	124-48-1	0.372	5.68	<5.68	ug/kg dry	5.L
Tetrachloroethylene	127-18-4	0.534	5.68	<5.68	ug/kg dry	5.L
1,2-Dibromoethane	106-93-4	0.482	5.68	<5.68	ug/kg dry	5.L
Chlorobenzene	108-90-7	0.483	5.68	<5.68	ug/kg dry	5.L
1,1,1,2-Tetrachloroethane	630-20-6	0.763	5.68	<5.68	ug/kg dry	5.L
Ethylbenzene	100-41-4	0.409	5.68	<5.68	ug/kg dry	5.L
m,p-Xylenes	108-38-3/106-42-3	0.626	11.4	<11.4	ug/kg dry	5.L
Styrene	100-42-5	0.291	5.68	<5.68	ug/kg dry	5.L
o-Xylene	95-47-6	0.285	5.68	<5.68	ug/kg dry	5.L
Bromoform	75-25-2	0.408	5.68	<5.68	ug/kg dry	5.L
1,1,2,2-Tetrachloroethane	79-34-5	0.400	5.68	<5.68	ug/kg dry	5.L
Isopropylbenzene (Cumene)	98-82-8	0.285	5.68	<5.68	ug/kg dry	5.L
1,2,3-Trichloropropane	96-18-4	0.629	5.68	<5.68	ug/kg dry	5.L
Bromobenzene	108-86-1	0.377	5.68	<5.68	ug/kg dry	5.L
n-Propylbenzene	103-65-1	0.396	5.68	<5.68	ug/kg dry	5.L
2-Chlorotoluene	95-49-8	0.440	5.68	<5.68	ug/kg dry	5.L
4-Ethyltoluene	622-96-8	0.416	5.68	<5.68	ug/kg dry	2.B, 5.L
4-Chlorotoluene	106-43-4	0.348	5.68	<5.68	ug/kg dry	5.L
1,3,5-Trimethylbenzene	108-67-8	0.361	5.68	<5.68	ug/kg dry	5.L
tert-Butylbenzene	98-06-6	0.516	5.68	<5.68	ug/kg dry	5.L

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 11:37	Sample ID: B-1 0'-2'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-05 % Solid:87.97
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
1,2,4-Trimethylbenzene	95-63-6	0.397	5.68	<5.68	ug/kg dry	5.L
sec-Butylbenzene	135-98-8	0.354	5.68	<5.68	ug/kg dry	5.L
1,3-Dichlorobenzene	541-73-1	0.323	5.68	<5.68	ug/kg dry	5.L
4-Isopropyltoluene	99-87-6	0.449	5.68	<5.68	ug/kg dry	5.L
1,4-Dichlorobenzene	106-46-7	0.463	5.68	<5.68	ug/kg dry	5.L
1,2-Dichlorobenzene	95-50-1	0.491	5.68	<5.68	ug/kg dry	5.L
1,4-Diethylbenzene	105-05-5	0.291	5.68	<5.68	ug/kg dry	2.B, 5.L
n-Butylbenzene	104-51-8	0.343	5.68	<5.68	ug/kg dry	5.L
1,2-Dibromo-3-chloropropane	96-12-8	0.699	5.68	<5.68	ug/kg dry	5.L
1,2,4,5-Tetramethylbenzene	95-93-2	0.298	5.68	<5.68	ug/kg dry	2.B, 5.L
1,2,4-Trichlorobenzene	120-82-1	0.350	5.68	<5.68	ug/kg dry	5.L
Naphthalene	91-20-3	0.671	5.68	<5.68	ug/kg dry	5.L
Hexachlorobutadiene	87-68-3	0.330	5.68	<5.68	ug/kg dry	5.L
1,2,3-Trichlorobenzene	87-61-6	0.634	5.68	<5.68	ug/kg dry	5.L

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Dibromofluoromethane	1868-53-7	103	70-130	
1,2-Dichloroethane-d4	10706-07-0	103	70-130	
Toluene-d8	2037-26-5	103	70-130	
4-Bromofluorobenzene	460-00-4	108	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
Pentafluorobenzene	363-72-4	85	50-200	
1,4-Difluorobenzene	540-36-3	83	50-200	
Chlorobenzene-d5	3114-55-4	81	50-200	
1,4-Dichlorobenzene-d4	3855-82-1	58	50-200	

Date Prepared: 10/09/2014

Date Analyzed: 10/10/2014

Preparation Method: EPA 5035A-L

Analytical Method: EPA 8260 C

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 11:37	Sample ID: B-1 0'-2'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-05 % Solid:87.97
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Pyridine	110-86-1	96.6	767	<767	ug/kg dry	3.A, 4.N
N-Nitrosodimethylamine	62-75-9	159	227	<227	ug/kg dry	3.A
Phenol	108-95-2	90.9	227	<227	ug/kg dry	3.A
Aniline	62-53-3	79.6	227	<227	ug/kg dry	3.A
2-Chlorophenol	95-57-8	102	227	<227	ug/kg dry	3.A
Bis(2-Chloroethyl)ether	111-44-4	148	227	<227	ug/kg dry	3.A
1,3-Dichlorobenzene	541-73-1	90.9	227	<227	ug/kg dry	3.A
1,4-Dichlorobenzene	106-46-7	108	227	<227	ug/kg dry	3.A
Benzyl alcohol	100-51-6	85.3	227	<227	ug/kg dry	3.A
1,2-Dichlorobenzene	95-50-1	90.9	227	<227	ug/kg dry	3.A
2-Methylphenol	95-48-7	131	227	<227	ug/kg dry	3.A
Bis(2-chloroisopropyl)ether	39638-32-9	142	227	<227	ug/kg dry	3.A
Hexachloroethane	67-72-1	114	227	<227	ug/kg dry	3.A
3/4-Methylphenol	108-39-4/106-44-5	102	227	<227	ug/kg dry	3.A
N-Nitroso-di-n-propylamine	621-64-7	85.3	227	<227	ug/kg dry	3.A
Nitrobenzene	98-95-3	102	227	<227	ug/kg dry	3.A
Isophorone	78-59-1	79.6	227	<227	ug/kg dry	3.A
2-Nitrophenol	88-75-5	159	227	<227	ug/kg dry	3.A
2,4-Dimethylphenol	105-67-9	165	227	<227	ug/kg dry	3.A
Benzoic Acid	65-85-0	136	227	<227	ug/kg dry	4.N, 3.A
bis(2-Chloroethoxy)methane	111-91-1	114	227	<227	ug/kg dry	3.A
2,4-Dichlorophenol	120-83-2	79.6	227	<227	ug/kg dry	3.A
1,2,4-Trichlorobenzene	120-82-1	114	227	<227	ug/kg dry	3.A
Naphthalene	91-20-3	90.9	227	<227	ug/kg dry	3.A
4-Chloroaniline	106-47-8	79.6	227	<227	ug/kg dry	3.A
Hexachlorobutadiene	87-68-3	159	227	<227	ug/kg dry	3.A
4-Chloro-3-methylphenol	59-50-7	176	227	<227	ug/kg dry	3.A
2-Methylnaphthalene	91-57-6	119	227	<227	ug/kg dry	3.A
Hexachlorocyclopentadiene	77-47-4	102	227	<227	ug/kg dry	3.A
2,4,6-Trichlorophenol	88-06-2	102	227	<227	ug/kg dry	3.A

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 11:37	Sample ID: B-1 0'-2'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-05 % Solid:87.97
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
2,4,5-Trichlorophenol	95-95-4	142	227	<227	ug/kg dry	3.A
2-Chloronaphthalene	91-58-7	79.6	227	<227	ug/kg dry	3.A
2-Nitroaniline	88-74-4	193	227	<227	ug/kg dry	3.A
Dimethyl phthalate	131-11-3	96.6	227	<227	ug/kg dry	3.A
Acenaphthylene	208-96-8	125	227	<227	ug/kg dry	3.A
2,6-Dinitrotoluene	606-20-2	119	227	<227	ug/kg dry	3.A
3-Nitroaniline	99-09-2	182	227	<227	ug/kg dry	3.A
Acenaphthene	83-32-9	131	227	<227	ug/kg dry	3.A
2,4-Dinitrophenol	51-28-5	79.6	767	<767	ug/kg dry	3.A, 4.N
Dibenzofuran	132-64-9	108	227	<227	ug/kg dry	3.A
4-Nitrophenol	100-02-7	90.9	767	<767	ug/kg dry	3.A
2,4-Dinitrotoluene	121-14-2	79.6	227	<227	ug/kg dry	3.A
Fluorene	86-73-7	125	227	<227	ug/kg dry	3.A
Diethyl phthalate	84-66-2	114	227	<227	ug/kg dry	3.A
4-Chlorophenyl phenyl ether	7005-72-3	108	227	<227	ug/kg dry	3.A
4-Nitroaniline	100-01-6	114	227	<227	ug/kg dry	3.A
4,6-Dinitro-2-methylphenol	534-52-1	102	767	<767	ug/kg dry	3.A
N-Nitrosodiphenylamine	86-30-6	102	227	<227	ug/kg dry	3.A
4-Bromophenyl phenyl ether	101-55-3	102	227	<227	ug/kg dry	3.A
Hexachlorobenzene	118-74-1	114	227	<227	ug/kg dry	3.A
Pentachlorophenol	87-86-5	96.6	227	341	ug/kg dry	3.E
Phenanthrene	85-01-8	125	227	292	ug/kg dry	3.E
Anthracene	120-12-7	102	227	<227	ug/kg dry	3.A
Carbazole	86-74-8	96.6	227	<227	ug/kg dry	3.A
Di-n-butyl phthalate	84-74-2	125	227	<227	ug/kg dry	3.A
Parathion (ethyl)	56-38-2	296	341	<341	ug/kg dry	3.A
Fluoranthene	206-44-0	114	227	485	ug/kg dry	3.E
Pyrene	129-00-0	119	227	443	ug/kg dry	3.E
Butyl benzyl phthalate	85-68-7	108	227	546	ug/kg dry	3.E

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 11:37	Sample ID: B-1 0'-2'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-05 % Solid:87.97
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Benzo(a)anthracene	56-55-3	136	227	292	ug/kg dry	3.E
Chrysene	218-01-9	119	227	288	ug/kg dry	3.E
3,3'-Dichlorobenzidine	91-94-1	79.6	227	337	ug/kg dry	3.E
Bis(2-Ethylhexyl)phthalate	117-81-7	119	227	462	ug/kg dry	3.E
Di-n-octyl phthalate	117-84-0	79.6	227	<227	ug/kg dry	3.A
Benzo(b)fluoranthene	205-99-2	102	227	390	ug/kg dry	3.E
Benzo(k)fluoranthene	207-08-9	131	227	<227	ug/kg dry	3.A
Benzo(a)pyrene	50-32-8	119	227	364	ug/kg dry	3.E
Indeno(1,2,3-cd)pyrene	193-39-5	153	227	277	ug/kg dry	3.E
Dibenzo(a,h)anthracene	53-70-3	148	227	<227	ug/kg dry	3.A
Benzo(g,h,i)perylene	191-24-2	131	227	504	ug/kg dry	3.E

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2-Fluorophenol	367-12-4	50	25-121	3.E
Phenol-d6	13127-88-3	52	24-113	3.E
Nitrobenzene-d5	4165-60-0	50	23-120	3.E
2-Fluorobiphenyl	321-60-8	52	30-115	3.E
2,4,6-Tribromophenol	118-79-6	67	19-122	3.E
Terphenyl-d14	1718-51-0	63	18-137	3.E

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	100	50-200	
Naphthalene-d8	1146-65-2	102	50-200	
Acenaphthene-d10	15067-26-2	101	50-200	
Phenanthrene-d10	1517-22-2	98	50-200	
Chrysene-d12	1719-03-5	100	50-200	3.E
Perylene-d12	1520-96-3	105	50-200	3.E

Date Prepared: 10/09/2014

Date Analyzed: 10/10/2014

Preparation Method: EPA 3545 A

Analytical Method: EPA 8270 D

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 11:37	Sample ID: B-1 0'-2'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-05 % Solid:87.97
Matrix: Soil	ELAP: #11693

Pesticides Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
alpha-BHC	319-84-6	0.276	5.68	<5.68	ug/kg dry	
gamma-BHC	58-89-9	0.282	5.68	<5.68	ug/kg dry	
beta-BHC	319-85-7	0.476	5.68	<5.68	ug/kg dry	
delta-BHC	319-86-8	0.344	5.68	<5.68	ug/kg dry	
Heptachlor	76-44-8	0.313	5.68	<5.68	ug/kg dry	
Aldrin	309-00-2	0.437	5.68	<5.68	ug/kg dry	
Heptachlor Epoxide	1024-57-3	0.505	5.68	<5.68	ug/kg dry	
trans-Chlordane	5103-74-2	0.720	5.68	<5.68	ug/kg dry	
cis-Chlordane	5103-71-9	0.481	5.68	<5.68	ug/kg dry	
4,4'-DDE	72-55-9	0.291	3.41	4.30	ug/kg dry	
Endosulfan I	959-98-8	0.549	5.68	<5.68	ug/kg dry	
Dieldrin	60-57-1	0.454	5.68	<5.68	ug/kg dry	
Endrin	72-20-8	0.521	5.68	<5.68	ug/kg dry	
4,4'-DDD	72-54-8	0.517	3.41	22.4	ug/kg dry	
Endosulfan II	33213-65-9	0.967	5.68	<5.68	ug/kg dry	
4,4'-DDT	50-29-3	0.751	3.41	159	ug/kg dry	4.M
Endrin Aldehyde	7421-93-4	0.800	5.68	<5.68	ug/kg dry	
Methoxychlor	72-43-5	1.25	5.68	<5.68	ug/kg dry	
Endosulfan Sulfate	1031-07-8	1.33	5.68	<5.68	ug/kg dry	
Endrin Ketone	53494-70-5	1.15	5.68	<5.68	ug/kg dry	
Toxaphene	8001-35-2	7.82	114	<114	ug/kg dry	
Chlordane	12789-03-6	1.54	17.1	<17.1	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Tetrachloro-m-xylene	877-09-8	94	70-130	
Decachlorobiphenyl	2051-24-3	82	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	96	50-200	

Date Prepared: 10/08/2014

Date Analyzed: 10/11/2014

Preparation Method: EPA 3545 A

Analytical Method: EPA 8081B

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 11:37	Sample ID: B-1 0'-2'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-05 % Solid:87.97
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	6.79	11.4	<11.4	ug/kg dry	
Aroclor-1260	11096-82-5	4.16	11.4	<11.4	ug/kg dry	
Aroclor-1221	11104-28-2	4.55	11.4	<11.4	ug/kg dry	
Aroclor-1232	11141-16-5	4.55	11.4	<11.4	ug/kg dry	
Aroclor-1242	53469-21-9	4.55	11.4	<11.4	ug/kg dry	
Aroclor-1248	12672-29-6	4.55	11.4	<11.4	ug/kg dry	
Aroclor-1254	11097-69-1	4.55	11.4	<11.4	ug/kg dry	
Aroclor-1262	37324-23-5	4.55	11.4	<11.4	ug/kg dry	
Aroclor-1268	11100-14-4	4.55	11.4	<11.4	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Tetrachloro-m-xylene	877-09-8	83	70-130	
Decachlorobiphenyl	2051-24-3	63	70-130	4.L

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	140	50-200	

Date Prepared: 10/08/2014

Preparation Method: EPA 3545 A

Date Analyzed: 10/10/2014

Analytical Method: EPA 8082 A

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 11:37	Sample ID: B-1 0'-2'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-05 % Solid:87.97
Matrix: Soil	ELAP: #11693

Total Metals Analysis

Parameter	Date Analyzed	Method	MDL	LOQ	Result	Units	Flag
Aluminum	10/09/2014	EPA 6010 C	0.73	11.4	8440	mg/kg dry	
Antimony	10/09/2014	EPA 6010 C	0.78	1.90	<1.90	mg/kg dry	
Arsenic	10/09/2014	EPA 6010 C	0.20	1.90	3.50	mg/kg dry	
Barium	10/09/2014	EPA 6010 C	0.36	1.90	351	mg/kg dry	
Beryllium	10/09/2014	EPA 6010 C	0.20	1.90	<1.90	mg/kg dry	
Cadmium	10/09/2014	EPA 6010 C	0.20	1.88	<1.88	mg/kg dry	
Calcium	10/09/2014	EPA 6010 C	5.94	114	21600	mg/kg dry	3.E
Chromium	10/09/2014	EPA 6010 C	0.19	1.90	19.4	mg/kg dry	
Cobalt	10/09/2014	EPA 6010 C	0.185	1.90	7.34	mg/kg dry	
Copper	10/09/2014	EPA 6010 C	0.17	1.90	41.7	mg/kg dry	
Iron	10/09/2014	EPA 6010 C	7.48	56.8	22300	mg/kg dry	3.E
Lead	10/09/2014	EPA 6010 C	1.84	19.0	539	mg/kg dry	3.E
Magnesium	10/09/2014	EPA 6010 C	0.739	5.68	3280	mg/kg dry	
Manganese	10/09/2014	EPA 6010 C	0.26	1.90	373	mg/kg dry	
Nickel	10/09/2014	EPA 6010 C	0.22	1.90	11.7	mg/kg dry	
Potassium	10/09/2014	EPA 6010 C	1.81	11.4	1450	mg/kg dry	
Selenium	10/09/2014	EPA 6010 C	0.64	1.90	<1.90	mg/kg dry	
Silver	10/09/2014	EPA 6010 C	0.16	1.90	<1.90	mg/kg dry	
Sodium	10/09/2014	EPA 6010 C	0.940	5.68	319	mg/kg dry	
Thallium	10/09/2014	EPA 6010 C	1.30	1.90	<1.90	mg/kg dry	
Vanadium	10/09/2014	EPA 6010 C	0.22	1.90	26.6	mg/kg dry	
Zinc	10/09/2014	EPA 6010 C	0.49	1.90	220	mg/kg dry	

Date Prepared: 10/09/2014 Preparation Method: EPA 3050B

Parameter	Date Analyzed	Method	MDL	LOQ	Result	Units	Flag
Mercury	10/10/2014	EPA 7471 B	0.002	0.02	2.45	mg/kg dry	3.E

Date Prepared: 10/09/2014 Preparation Method: EPA 7471 B

Parameter	Date Analyzed	Method	MDL	LOQ	Result	Units	Flag
Cyanide	10/13/2014	EPA 9014	0.01	0.11	<0.11	mg/kg dry	

Date Prepared: 10/09/2014 Preparation Method: Distillation Prep

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 11:53	Sample ID: B-1 10'-12'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-06 % Solid:87.04
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Dichlorodifluoromethane	75-71-8	0.627	5.74	<5.74	ug/kg dry	5.L
Chlorodifluoromethane	75-45-6	0.670	5.74	<5.74	ug/kg dry	5.L, 2.B
Chloromethane	74-87-3	0.734	5.74	<5.74	ug/kg dry	4.J, 5.L
Vinyl chloride	75-01-4	0.437	5.74	<5.74	ug/kg dry	5.L
Bromomethane	74-83-9	1.91	5.74	<5.74	ug/kg dry	4.J, 5.L
Chloroethane	75-00-3	0.392	5.74	<5.74	ug/kg dry	5.L
Trichlorofluoromethane	75-69-4	0.595	5.74	<5.74	ug/kg dry	5.L
Acetone	67-64-1	6.69	57.4	<57.4	ug/kg dry	5.L
1,1-Dichloroethylene	75-35-4	0.509	5.74	<5.74	ug/kg dry	5.L
tert-Butyl alcohol	75-65-0	1.99	5.74	<5.74	ug/kg dry	5.L
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	0.491	5.74	<5.74	ug/kg dry	5.L
Acrylonitrile	107-13-1	0.731	5.74	<5.74	ug/kg dry	5.L
Methylene Chloride	75-09-2	1.29	5.74	<5.74	ug/kg dry	5.L
Carbon disulfide	75-15-0	0.407	5.74	<5.74	ug/kg dry	5.L
Methyl-tert-Butyl Ether	1634-04-4	0.441	5.74	<5.74	ug/kg dry	5.L
trans-1,2-Dichloroethylene	156-60-5	0.531	5.74	<5.74	ug/kg dry	5.L
1,1-Dichloroethane	75-34-3	0.628	5.74	<5.74	ug/kg dry	5.L
Methyl Ethyl Ketone (2-Butanone)	78-93-3	1.73	11.5	<11.5	ug/kg dry	5.L
cis-1,2-Dichloroethylene	156-59-2	0.488	5.74	<5.74	ug/kg dry	5.L
2,2-Dichloropropane	594-20-7	0.363	5.74	<5.74	ug/kg dry	5.L
Bromochloromethane	74-97-5	0.680	5.74	<5.74	ug/kg dry	5.L
Chloroform	67-66-3	0.610	5.74	<5.74	ug/kg dry	5.L
1,1,1-Trichloroethane	71-55-6	0.424	5.74	<5.74	ug/kg dry	5.L
1,2-Dichloroethane	107-06-2	0.561	5.74	<5.74	ug/kg dry	5.L
1,1-Dichloropropylene	563-58-6	0.542	5.74	<5.74	ug/kg dry	5.L
Carbon Tetrachloride	56-23-5	0.550	5.74	<5.74	ug/kg dry	5.L
Benzene	71-43-2	0.415	5.74	<5.74	ug/kg dry	5.L
Trichloroethylene	79-01-6	0.627	5.74	<5.74	ug/kg dry	5.L
1,2-Dichloropropane	78-87-5	0.596	5.74	<5.74	ug/kg dry	5.L
Dibromomethane	74-95-3	0.468	5.74	<5.74	ug/kg dry	5.L

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 11:53	Sample ID: B-1 10'-12'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-06 % Solid:87.04
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
1,4-Dioxane	123-91-1	26.5	57.4	<57.4	ug/kg dry	5.L
Bromodichloromethane	75-27-4	0.494	5.74	<5.74	ug/kg dry	5.L
4-Methyl-2-Pentanone	108-10-1	0.658	11.5	<11.5	ug/kg dry	5.L
cis-1,3-Dichloropropylene	10061-01-5	0.493	5.74	<5.74	ug/kg dry	5.L
Toluene	108-88-3	0.449	5.74	<5.74	ug/kg dry	5.L
trans-1,3-Dichloropropylene	10061-02-6	0.384	5.74	<5.74	ug/kg dry	5.L
1,1,2-Trichloroethane	79-00-5	0.530	5.74	<5.74	ug/kg dry	5.L
Methyl Butyl Ketone (2-Hexanone)	591-78-6	0.803	5.74	<5.74	ug/kg dry	5.L
1,3-Dichloropropane	142-28-9	0.422	5.74	<5.74	ug/kg dry	5.L
Dibromochloromethane	124-48-1	0.376	5.74	<5.74	ug/kg dry	5.L
Tetrachloroethylene	127-18-4	0.540	5.74	<5.74	ug/kg dry	5.L
1,2-Dibromoethane	106-93-4	0.487	5.74	<5.74	ug/kg dry	5.L
Chlorobenzene	108-90-7	0.488	5.74	<5.74	ug/kg dry	5.L
1,1,1,2-Tetrachloroethane	630-20-6	0.771	5.74	<5.74	ug/kg dry	5.L
Ethylbenzene	100-41-4	0.414	5.74	<5.74	ug/kg dry	5.L
m,p-Xylenes	108-38-3/106-42-3	0.633	11.5	<11.5	ug/kg dry	5.L
Styrene	100-42-5	0.294	5.74	<5.74	ug/kg dry	5.L
o-Xylene	95-47-6	0.288	5.74	<5.74	ug/kg dry	5.L
Bromoform	75-25-2	0.412	5.74	<5.74	ug/kg dry	5.L
1,1,2,2-Tetrachloroethane	79-34-5	0.404	5.74	<5.74	ug/kg dry	5.L
Isopropylbenzene (Cumene)	98-82-8	0.288	5.74	<5.74	ug/kg dry	5.L
1,2,3-Trichloropropane	96-18-4	0.635	5.74	<5.74	ug/kg dry	5.L
Bromobenzene	108-86-1	0.381	5.74	<5.74	ug/kg dry	5.L
n-Propylbenzene	103-65-1	0.400	5.74	<5.74	ug/kg dry	5.L
2-Chlorotoluene	95-49-8	0.445	5.74	<5.74	ug/kg dry	5.L
4-Ethyltoluene	622-96-8	0.420	5.74	<5.74	ug/kg dry	2.B, 5.L
4-Chlorotoluene	106-43-4	0.352	5.74	<5.74	ug/kg dry	5.L
1,3,5-Trimethylbenzene	108-67-8	0.365	5.74	<5.74	ug/kg dry	5.L
tert-Butylbenzene	98-06-6	0.522	5.74	<5.74	ug/kg dry	5.L

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 11:53	Sample ID: B-1 10'-12'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-06 % Solid:87.04
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
1,2,4-Trimethylbenzene	95-63-6	0.401	5.74	<5.74	ug/kg dry	5.L
sec-Butylbenzene	135-98-8	0.357	5.74	<5.74	ug/kg dry	5.L
1,3-Dichlorobenzene	541-73-1	0.326	5.74	<5.74	ug/kg dry	5.L
4-Isopropyltoluene	99-87-6	0.454	5.74	<5.74	ug/kg dry	5.L
1,4-Dichlorobenzene	106-46-7	0.468	5.74	<5.74	ug/kg dry	5.L
1,2-Dichlorobenzene	95-50-1	0.496	5.74	<5.74	ug/kg dry	5.L
1,4-Diethylbenzene	105-05-5	0.294	5.74	<5.74	ug/kg dry	2.B, 5.L
n-Butylbenzene	104-51-8	0.347	5.74	<5.74	ug/kg dry	5.L
1,2-Dibromo-3-chloropropane	96-12-8	0.707	5.74	<5.74	ug/kg dry	5.L
1,2,4,5-Tetramethylbenzene	95-93-2	0.301	5.74	<5.74	ug/kg dry	2.B, 4.J, 5.L
1,2,4-Trichlorobenzene	120-82-1	0.354	5.74	<5.74	ug/kg dry	5.L
Naphthalene	91-20-3	0.678	5.74	<5.74	ug/kg dry	5.L
Hexachlorobutadiene	87-68-3	0.333	5.74	<5.74	ug/kg dry	5.L
1,2,3-Trichlorobenzene	87-61-6	0.641	5.74	<5.74	ug/kg dry	5.L

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Dibromofluoromethane	1868-53-7	105	70-130	
1,2-Dichloroethane-d4	10706-07-0	105	70-130	
Toluene-d8	2037-26-5	101	70-130	
4-Bromofluorobenzene	460-00-4	101	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
Pentafluorobenzene	363-72-4	75	50-200	
1,4-Difluorobenzene	540-36-3	78	50-200	
Chlorobenzene-d5	3114-55-4	77	50-200	
1,4-Dichlorobenzene-d4	3855-82-1	60	50-200	

Date Prepared: 10/09/2014

Date Analyzed: 10/09/2014

Preparation Method: EPA 5035A-L

Analytical Method: EPA 8260 C

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 11:53	Sample ID: B-1 10'-12'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-06 % Solid:87.04
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Pyridine	110-86-1	19.5	155	<155	ug/kg dry	4.N
N-Nitrosodimethylamine	62-75-9	32.2	46.0	<46.0	ug/kg dry	
Phenol	108-95-2	18.4	46.0	<46.0	ug/kg dry	
Aniline	62-53-3	16.1	46.0	<46.0	ug/kg dry	
2-Chlorophenol	95-57-8	20.7	46.0	<46.0	ug/kg dry	
Bis(2-Chloroethyl)ether	111-44-4	29.9	46.0	<46.0	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	18.4	46.0	<46.0	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	21.8	46.0	<46.0	ug/kg dry	
Benzyl alcohol	100-51-6	17.2	46.0	<46.0	ug/kg dry	
1,2-Dichlorobenzene	95-50-1	18.4	46.0	<46.0	ug/kg dry	
2-Methylphenol	95-48-7	26.4	46.0	<46.0	ug/kg dry	
Bis(2-chloroisopropyl)ether	39638-32-9	28.7	46.0	<46.0	ug/kg dry	
Hexachloroethane	67-72-1	23.0	46.0	<46.0	ug/kg dry	
3/4-Methylphenol	108-39-4/106-44-5	20.7	46.0	<46.0	ug/kg dry	
N-Nitroso-di-n-propylamine	621-64-7	17.2	46.0	<46.0	ug/kg dry	
Nitrobenzene	98-95-3	20.7	46.0	<46.0	ug/kg dry	
Isophorone	78-59-1	16.1	46.0	<46.0	ug/kg dry	
2-Nitrophenol	88-75-5	32.2	46.0	<46.0	ug/kg dry	
2,4-Dimethylphenol	105-67-9	33.3	46.0	<46.0	ug/kg dry	
Benzoic Acid	65-85-0	27.6	46.0	<46.0	ug/kg dry	4.N
bis(2-Chloroethoxy)methane	111-91-1	23.0	46.0	<46.0	ug/kg dry	
2,4-Dichlorophenol	120-83-2	16.1	46.0	<46.0	ug/kg dry	
1,2,4-Trichlorobenzene	120-82-1	23.0	46.0	<46.0	ug/kg dry	
Naphthalene	91-20-3	18.4	46.0	<46.0	ug/kg dry	
4-Chloroaniline	106-47-8	16.1	46.0	<46.0	ug/kg dry	
Hexachlorobutadiene	87-68-3	32.2	46.0	<46.0	ug/kg dry	
4-Chloro-3-methylphenol	59-50-7	35.6	46.0	<46.0	ug/kg dry	
2-Methylnaphthalene	91-57-6	24.1	46.0	<46.0	ug/kg dry	
Hexachlorocyclopentadiene	77-47-4	20.7	46.0	<46.0	ug/kg dry	
2,4,6-Trichlorophenol	88-06-2	20.7	46.0	<46.0	ug/kg dry	

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 11:53	Sample ID: B-1 10'-12'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-06 % Solid:87.04
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
2,4,5-Trichlorophenol	95-95-4	28.7	46.0	<46.0	ug/kg dry	
2-Chloronaphthalene	91-58-7	16.1	46.0	<46.0	ug/kg dry	
2-Nitroaniline	88-74-4	39.1	46.0	<46.0	ug/kg dry	
Dimethyl phthalate	131-11-3	19.5	46.0	<46.0	ug/kg dry	
Acenaphthylene	208-96-8	25.3	46.0	<46.0	ug/kg dry	
2,6-Dinitrotoluene	606-20-2	24.1	46.0	<46.0	ug/kg dry	
3-Nitroaniline	99-09-2	36.8	46.0	<46.0	ug/kg dry	
Acenaphthene	83-32-9	26.4	46.0	<46.0	ug/kg dry	
2,4-Dinitrophenol	51-28-5	16.1	155	<155	ug/kg dry	4.N
Dibenzofuran	132-64-9	21.8	46.0	<46.0	ug/kg dry	
4-Nitrophenol	100-02-7	18.4	155	<155	ug/kg dry	
2,4-Dinitrotoluene	121-14-2	16.1	46.0	<46.0	ug/kg dry	
Fluorene	86-73-7	25.3	46.0	<46.0	ug/kg dry	
Diethyl phthalate	84-66-2	23.0	46.0	<46.0	ug/kg dry	
4-Chlorophenyl phenyl ether	7005-72-3	21.8	46.0	<46.0	ug/kg dry	
4-Nitroaniline	100-01-6	23.0	46.0	<46.0	ug/kg dry	
4,6-Dinitro-2-methylphenol	534-52-1	20.7	155	<155	ug/kg dry	
N-Nitrosodiphenylamine	86-30-6	20.7	46.0	<46.0	ug/kg dry	
4-Bromophenyl phenyl ether	101-55-3	20.7	46.0	<46.0	ug/kg dry	
Hexachlorobenzene	118-74-1	23.0	46.0	<46.0	ug/kg dry	
Pentachlorophenol	87-86-5	19.5	46.0	<46.0	ug/kg dry	
Phenanthrene	85-01-8	25.3	46.0	<46.0	ug/kg dry	
Anthracene	120-12-7	20.7	46.0	<46.0	ug/kg dry	
Carbazole	86-74-8	19.5	46.0	<46.0	ug/kg dry	
Di-n-butyl phthalate	84-74-2	25.3	46.0	<46.0	ug/kg dry	
Parathion (ethyl)	56-38-2	59.7	68.9	<68.9	ug/kg dry	
Fluoranthene	206-44-0	23.0	46.0	<46.0	ug/kg dry	
Pyrene	129-00-0	24.1	46.0	<46.0	ug/kg dry	
Butyl benzyl phthalate	85-68-7	21.8	46.0	338	ug/kg dry	

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 11:53	Sample ID: B-1 10'-12'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-06 % Solid:87.04
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Benzo(a)anthracene	56-55-3	27.6	46.0	<46.0	ug/kg dry	
Chrysene	218-01-9	24.1	46.0	<46.0	ug/kg dry	
3,3'-Dichlorobenzidine	91-94-1	16.1	46.0	<46.0	ug/kg dry	
Bis(2-Ethylhexyl)phthalate	117-81-7	24.1	46.0	148	ug/kg dry	
Di-n-octyl phthalate	117-84-0	16.1	46.0	<46.0	ug/kg dry	
Benzo(b)fluoranthene	205-99-2	20.7	46.0	<46.0	ug/kg dry	
Benzo(k)fluoranthene	207-08-9	26.4	46.0	<46.0	ug/kg dry	
Benzo(a)pyrene	50-32-8	24.1	46.0	<46.0	ug/kg dry	
Indeno(1,2,3-cd)pyrene	193-39-5	31.0	46.0	<46.0	ug/kg dry	
Dibenzo(a,h)anthracene	53-70-3	29.9	46.0	<46.0	ug/kg dry	
Benzo(g,h,i)perylene	191-24-2	26.4	46.0	<46.0	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2-Fluorophenol	367-12-4	58	25-121	
Phenol-d6	13127-88-3	58	24-113	
Nitrobenzene-d5	4165-60-0	57	23-120	
2-Fluorobiphenyl	321-60-8	61	30-115	
2,4,6-Tribromophenol	118-79-6	74	19-122	
Terphenyl-d14	1718-51-0	65	18-137	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	98	50-200	
Naphthalene-d8	1146-65-2	99	50-200	
Acenaphthene-d10	15067-26-2	97	50-200	
Phenanthrene-d10	1517-22-2	94	50-200	
Chrysene-d12	1719-03-5	99	50-200	
Perylene-d12	1520-96-3	101	50-200	

Date Prepared: 10/09/2014

Date Analyzed: 10/10/2014

Preparation Method: EPA 3545 A

Analytical Method: EPA 8270 D

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 11:53	Sample ID: B-1 10'-12'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-06 % Solid:87.04
Matrix: Soil	ELAP: #11693

Pesticides Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
alpha-BHC	319-84-6	0.279	5.74	<5.74	ug/kg dry	
gamma-BHC	58-89-9	0.285	5.74	<5.74	ug/kg dry	
beta-BHC	319-85-7	0.481	5.74	<5.74	ug/kg dry	
delta-BHC	319-86-8	0.348	5.74	<5.74	ug/kg dry	
Heptachlor	76-44-8	0.316	5.74	<5.74	ug/kg dry	
Aldrin	309-00-2	0.441	5.74	<5.74	ug/kg dry	
Heptachlor Epoxide	1024-57-3	0.510	5.74	<5.74	ug/kg dry	
trans-Chlordane	5103-74-2	0.727	5.74	<5.74	ug/kg dry	
cis-Chlordane	5103-71-9	0.486	5.74	<5.74	ug/kg dry	
4,4'-DDE	72-55-9	0.294	3.45	<3.45	ug/kg dry	
Endosulfan I	959-98-8	0.555	5.74	<5.74	ug/kg dry	
Dieldrin	60-57-1	0.458	5.74	<5.74	ug/kg dry	
Endrin	72-20-8	0.526	5.74	<5.74	ug/kg dry	
4,4'-DDD	72-54-8	0.523	3.45	<3.45	ug/kg dry	
Endosulfan II	33213-65-9	0.978	5.74	<5.74	ug/kg dry	
4,4'-DDT	50-29-3	0.759	3.45	<3.45	ug/kg dry	4.M
Endrin Aldehyde	7421-93-4	0.809	5.74	<5.74	ug/kg dry	
Methoxychlor	72-43-5	1.26	5.74	<5.74	ug/kg dry	
Endosulfan Sulfate	1031-07-8	1.35	5.74	<5.74	ug/kg dry	
Endrin Ketone	53494-70-5	1.16	5.74	<5.74	ug/kg dry	
Toxaphene	8001-35-2	7.90	115	<115	ug/kg dry	
Chlordane	12789-03-6	1.56	17.2	<17.2	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Tetrachloro-m-xylene	877-09-8	101	70-130	
Decachlorobiphenyl	2051-24-3	102	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	97	50-200	

Date Prepared: 10/08/2014

Date Analyzed: 10/11/2014

Preparation Method: EPA 3545 A

Analytical Method: EPA 8081B

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 11:53	Sample ID: B-1 10'-12'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-06 % Solid:87.04
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	6.87	11.5	<11.5	ug/kg dry	
Aroclor-1260	11096-82-5	4.20	11.5	<11.5	ug/kg dry	
Aroclor-1221	11104-28-2	4.60	11.5	<11.5	ug/kg dry	
Aroclor-1232	11141-16-5	4.60	11.5	<11.5	ug/kg dry	
Aroclor-1242	53469-21-9	4.60	11.5	<11.5	ug/kg dry	
Aroclor-1248	12672-29-6	4.60	11.5	<11.5	ug/kg dry	
Aroclor-1254	11097-69-1	4.60	11.5	<11.5	ug/kg dry	
Aroclor-1262	37324-23-5	4.60	11.5	<11.5	ug/kg dry	
Aroclor-1268	11100-14-4	4.60	11.5	<11.5	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Tetrachloro-m-xylene	877-09-8	92	70-130	
Decachlorobiphenyl	2051-24-3	86	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	125	50-200	

Date Prepared: 10/08/2014

Date Analyzed: 10/09/2014

Preparation Method: EPA 3545 A

Analytical Method: EPA 8082 A

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 11:53	Sample ID: B-1 10'-12'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-06 % Solid:87.04
Matrix: Soil	ELAP: #11693

Total Metals Analysis

Parameter	Date Analyzed	Method	MDL	LOQ	Result	Units	Flag
Aluminum	10/09/2014	EPA 6010 C	0.60	10.0	5880	mg/kg dry	
Antimony	10/09/2014	EPA 6010 C	0.64	1.67	<1.67	mg/kg dry	
Arsenic	10/09/2014	EPA 6010 C	0.17	1.67	<1.67	mg/kg dry	
Barium	10/09/2014	EPA 6010 C	0.29	1.56	41.0	mg/kg dry	
Beryllium	10/09/2014	EPA 6010 C	0.17	1.67	<1.67	mg/kg dry	
Cadmium	10/09/2014	EPA 6010 C	0.16	1.65	<1.65	mg/kg dry	
Calcium	10/09/2014	EPA 6010 C	0.487	10.0	699	mg/kg dry	
Chromium	10/09/2014	EPA 6010 C	0.16	1.67	16.2	mg/kg dry	
Cobalt	10/09/2014	EPA 6010 C	0.152	1.67	8.39	mg/kg dry	
Copper	10/09/2014	EPA 6010 C	0.14	1.67	12.5	mg/kg dry	
Iron	10/09/2014	EPA 6010 C	6.13	46.6	22300	mg/kg dry	3.E
Lead	10/09/2014	EPA 6010 C	0.15	1.67	5.60	mg/kg dry	
Magnesium	10/09/2014	EPA 6010 C	0.605	5.00	1530	mg/kg dry	
Manganese	10/09/2014	EPA 6010 C	2.12	15.6	627	mg/kg dry	3.E
Nickel	10/09/2014	EPA 6010 C	0.18	1.67	10.8	mg/kg dry	
Potassium	10/09/2014	EPA 6010 C	1.49	10.0	796	mg/kg dry	
Selenium	10/09/2014	EPA 6010 C	0.53	1.67	<1.67	mg/kg dry	
Silver	10/09/2014	EPA 6010 C	0.13	1.67	<1.67	mg/kg dry	
Sodium	10/09/2014	EPA 6010 C	0.770	4.66	57.8	mg/kg dry	
Thallium	10/09/2014	EPA 6010 C	1.06	1.67	<1.67	mg/kg dry	
Vanadium	10/09/2014	EPA 6010 C	0.18	1.67	24.0	mg/kg dry	
Zinc	10/09/2014	EPA 6010 C	0.40	1.67	29.8	mg/kg dry	

Date Prepared: 10/09/2014 Preparation Method: EPA 3050B

Parameter	Date Analyzed	Method	MDL	LOQ	Result	Units	Flag
Mercury	10/10/2014	EPA 7471 B	0.002	0.02	<0.02	mg/kg dry	

Date Prepared: 10/09/2014 Preparation Method: EPA 7471 B

Parameter	Date Analyzed	Method	MDL	LOQ	Result	Units	Flag
Cyanide	10/13/2014	EPA 9014	0.01	0.11	<0.11	mg/kg dry	

Date Prepared: 10/09/2014 Preparation Method: Distillation Prep

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 12:00	Sample ID: DUP-S
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-07 % Solid:79.19
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Dichlorodifluoromethane	75-71-8	0.689	6.31	<6.31	ug/kg dry	5.L
Chlorodifluoromethane	75-45-6	0.736	6.31	<6.31	ug/kg dry	2.B, 5.L
Chloromethane	74-87-3	0.807	6.31	<6.31	ug/kg dry	4.J, 5.L
Vinyl chloride	75-01-4	0.480	6.31	<6.31	ug/kg dry	5.L
Bromomethane	74-83-9	2.10	6.31	<6.31	ug/kg dry	4.J, 5.L
Chloroethane	75-00-3	0.431	6.31	<6.31	ug/kg dry	5.L
Trichlorofluoromethane	75-69-4	0.654	6.31	<6.31	ug/kg dry	5.L
Acetone	67-64-1	7.35	63.1	<63.1	ug/kg dry	5.L
1,1-Dichloroethylene	75-35-4	0.559	6.31	<6.31	ug/kg dry	5.L
tert-Butyl alcohol	75-65-0	2.18	6.31	<6.31	ug/kg dry	5.L
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	0.539	6.31	<6.31	ug/kg dry	5.L
Acrylonitrile	107-13-1	0.803	6.31	<6.31	ug/kg dry	5.L
Methylene Chloride	75-09-2	1.42	6.31	<6.31	ug/kg dry	5.L
Carbon disulfide	75-15-0	0.447	6.31	<6.31	ug/kg dry	5.L
Methyl-tert-Butyl Ether	1634-04-4	0.485	6.31	<6.31	ug/kg dry	5.L
trans-1,2-Dichloroethylene	156-60-5	0.583	6.31	<6.31	ug/kg dry	5.L
1,1-Dichloroethane	75-34-3	0.691	6.31	<6.31	ug/kg dry	5.L
Methyl Ethyl Ketone (2-Butanone)	78-93-3	1.90	12.6	<12.6	ug/kg dry	5.L
cis-1,2-Dichloroethylene	156-59-2	0.537	6.31	<6.31	ug/kg dry	5.L
2,2-Dichloropropane	594-20-7	0.399	6.31	<6.31	ug/kg dry	5.L
Bromochloromethane	74-97-5	0.748	6.31	<6.31	ug/kg dry	5.L
Chloroform	67-66-3	0.671	6.31	<6.31	ug/kg dry	5.L
1,1,1-Trichloroethane	71-55-6	0.466	6.31	<6.31	ug/kg dry	5.L
1,2-Dichloroethane	107-06-2	0.616	6.31	<6.31	ug/kg dry	5.L
1,1-Dichloropropylene	563-58-6	0.596	6.31	<6.31	ug/kg dry	5.L
Carbon Tetrachloride	56-23-5	0.605	6.31	<6.31	ug/kg dry	5.L
Benzene	71-43-2	0.456	6.31	<6.31	ug/kg dry	5.L
Trichloroethylene	79-01-6	0.689	6.31	<6.31	ug/kg dry	5.L
1,2-Dichloropropane	78-87-5	0.655	6.31	<6.31	ug/kg dry	5.L
Dibromomethane	74-95-3	0.514	6.31	<6.31	ug/kg dry	5.L

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 12:00	Sample ID: DUP-S
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-07 % Solid:79.19
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
1,4-Dioxane	123-91-1	29.1	63.1	<63.1	ug/kg dry	5.L
Bromodichloromethane	75-27-4	0.543	6.31	<6.31	ug/kg dry	5.L
4-Methyl-2-Pentanone	108-10-1	0.724	12.6	<12.6	ug/kg dry	5.L
cis-1,3-Dichloropropylene	10061-01-5	0.542	6.31	<6.31	ug/kg dry	5.L
Toluene	108-88-3	0.494	6.31	<6.31	ug/kg dry	5.L
trans-1,3-Dichloropropylene	10061-02-6	0.422	6.31	<6.31	ug/kg dry	5.L
1,1,2-Trichloroethane	79-00-5	0.582	6.31	<6.31	ug/kg dry	5.L
Methyl Butyl Ketone (2-Hexanone)	591-78-6	0.883	6.31	<6.31	ug/kg dry	5.L
1,3-Dichloropropane	142-28-9	0.463	6.31	<6.31	ug/kg dry	5.L
Dibromochloromethane	124-48-1	0.413	6.31	<6.31	ug/kg dry	5.L
Tetrachloroethylene	127-18-4	0.593	6.31	<6.31	ug/kg dry	5.L
1,2-Dibromoethane	106-93-4	0.535	6.31	<6.31	ug/kg dry	5.L
Chlorobenzene	108-90-7	0.537	6.31	<6.31	ug/kg dry	5.L
1,1,1,2-Tetrachloroethane	630-20-6	0.847	6.31	<6.31	ug/kg dry	5.L
Ethylbenzene	100-41-4	0.455	6.31	<6.31	ug/kg dry	5.L
m,p-Xylenes	108-38-3/106-42-3	0.696	12.6	<12.6	ug/kg dry	5.L
Styrene	100-42-5	0.323	6.31	<6.31	ug/kg dry	5.L
o-Xylene	95-47-6	0.317	6.31	<6.31	ug/kg dry	5.L
Bromoform	75-25-2	0.453	6.31	<6.31	ug/kg dry	5.L
1,1,2,2-Tetrachloroethane	79-34-5	0.444	6.31	<6.31	ug/kg dry	5.L
Isopropylbenzene (Cumene)	98-82-8	0.317	6.31	<6.31	ug/kg dry	5.L
1,2,3-Trichloropropane	96-18-4	0.698	6.31	<6.31	ug/kg dry	5.L
Bromobenzene	108-86-1	0.419	6.31	<6.31	ug/kg dry	5.L
n-Propylbenzene	103-65-1	0.439	6.31	<6.31	ug/kg dry	5.L
2-Chlorotoluene	95-49-8	0.489	6.31	<6.31	ug/kg dry	5.L
4-Ethyltoluene	622-96-8	0.462	6.31	<6.31	ug/kg dry	2.B, 5.L
4-Chlorotoluene	106-43-4	0.386	6.31	<6.31	ug/kg dry	5.L
1,3,5-Trimethylbenzene	108-67-8	0.402	6.31	<6.31	ug/kg dry	5.L
tert-Butylbenzene	98-06-6	0.573	6.31	<6.31	ug/kg dry	5.L

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 12:00	Sample ID: DUP-S
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-07 % Solid:79.19
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
1,2,4-Trimethylbenzene	95-63-6	0.441	6.31	<6.31	ug/kg dry	5.L
sec-Butylbenzene	135-98-8	0.393	6.31	<6.31	ug/kg dry	5.L
1,3-Dichlorobenzene	541-73-1	0.359	6.31	<6.31	ug/kg dry	5.L
4-Isopropyltoluene	99-87-6	0.499	6.31	<6.31	ug/kg dry	5.L
1,4-Dichlorobenzene	106-46-7	0.514	6.31	<6.31	ug/kg dry	5.L
1,2-Dichlorobenzene	95-50-1	0.545	6.31	<6.31	ug/kg dry	5.L
1,4-Diethylbenzene	105-05-5	0.323	6.31	<6.31	ug/kg dry	2.B, 5.L
n-Butylbenzene	104-51-8	0.381	6.31	<6.31	ug/kg dry	5.L
1,2-Dibromo-3-chloropropane	96-12-8	0.777	6.31	<6.31	ug/kg dry	5.L
1,2,4,5-Tetramethylbenzene	95-93-2	0.331	6.31	<6.31	ug/kg dry	2.B, 4.J, 5.L
1,2,4-Trichlorobenzene	120-82-1	0.389	6.31	<6.31	ug/kg dry	5.L
Naphthalene	91-20-3	0.745	6.31	<6.31	ug/kg dry	5.L
Hexachlorobutadiene	87-68-3	0.366	6.31	<6.31	ug/kg dry	5.L
1,2,3-Trichlorobenzene	87-61-6	0.705	6.31	<6.31	ug/kg dry	5.L

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Dibromofluoromethane	1868-53-7	106	70-130	
1,2-Dichloroethane-d4	10706-07-0	103	70-130	
Toluene-d8	2037-26-5	100	70-130	
4-Bromofluorobenzene	460-00-4	101	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
Pentafluorobenzene	363-72-4	84	50-200	
1,4-Difluorobenzene	540-36-3	88	50-200	
Chlorobenzene-d5	3114-55-4	87	50-200	
1,4-Dichlorobenzene-d4	3855-82-1	69	50-200	

Date Prepared: 10/09/2014

Date Analyzed: 10/09/2014

Preparation Method: EPA 5035A-L

Analytical Method: EPA 8260 C

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 12:00	Sample ID: DUP-S
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-07 % Solid:79.19
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Pyridine	110-86-1	21.5	170	<170	ug/kg dry	4.N
N-Nitrosodimethylamine	62-75-9	35.4	50.5	<50.5	ug/kg dry	
Phenol	108-95-2	20.2	50.5	<50.5	ug/kg dry	
Aniline	62-53-3	17.7	50.5	<50.5	ug/kg dry	
2-Chlorophenol	95-57-8	22.7	50.5	<50.5	ug/kg dry	
Bis(2-Chloroethyl)ether	111-44-4	32.8	50.5	<50.5	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	20.2	50.5	<50.5	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	24.0	50.5	<50.5	ug/kg dry	
Benzyl alcohol	100-51-6	18.9	50.5	<50.5	ug/kg dry	
1,2-Dichlorobenzene	95-50-1	20.2	50.5	<50.5	ug/kg dry	
2-Methylphenol	95-48-7	29.0	50.5	<50.5	ug/kg dry	
Bis(2-chloroisopropyl)ether	39638-32-9	31.6	50.5	<50.5	ug/kg dry	
Hexachloroethane	67-72-1	25.3	50.5	<50.5	ug/kg dry	
3/4-Methylphenol	108-39-4/106-44-5	22.7	50.5	<50.5	ug/kg dry	
N-Nitroso-di-n-propylamine	621-64-7	18.9	50.5	<50.5	ug/kg dry	
Nitrobenzene	98-95-3	22.7	50.5	<50.5	ug/kg dry	
Isophorone	78-59-1	17.7	50.5	<50.5	ug/kg dry	
2-Nitrophenol	88-75-5	35.4	50.5	<50.5	ug/kg dry	
2,4-Dimethylphenol	105-67-9	36.6	50.5	<50.5	ug/kg dry	
Benzoic Acid	65-85-0	30.3	50.5	<50.5	ug/kg dry	4.N
bis(2-Chloroethoxy)methane	111-91-1	25.3	50.5	<50.5	ug/kg dry	
2,4-Dichlorophenol	120-83-2	17.7	50.5	<50.5	ug/kg dry	
1,2,4-Trichlorobenzene	120-82-1	25.3	50.5	<50.5	ug/kg dry	
Naphthalene	91-20-3	20.2	50.5	<50.5	ug/kg dry	
4-Chloroaniline	106-47-8	17.7	50.5	<50.5	ug/kg dry	
Hexachlorobutadiene	87-68-3	35.4	50.5	<50.5	ug/kg dry	
4-Chloro-3-methylphenol	59-50-7	39.1	50.5	<50.5	ug/kg dry	
2-Methylnaphthalene	91-57-6	26.5	50.5	<50.5	ug/kg dry	
Hexachlorocyclopentadiene	77-47-4	22.7	50.5	<50.5	ug/kg dry	
2,4,6-Trichlorophenol	88-06-2	22.7	50.5	<50.5	ug/kg dry	

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 12:00	Sample ID: DUP-S
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-07 % Solid:79.19
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
2,4,5-Trichlorophenol	95-95-4	31.6	50.5	<50.5	ug/kg dry	
2-Chloronaphthalene	91-58-7	17.7	50.5	<50.5	ug/kg dry	
2-Nitroaniline	88-74-4	42.9	50.5	<50.5	ug/kg dry	
Dimethyl phthalate	131-11-3	21.5	50.5	<50.5	ug/kg dry	
Acenaphthylene	208-96-8	27.8	50.5	<50.5	ug/kg dry	
2,6-Dinitrotoluene	606-20-2	26.5	50.5	<50.5	ug/kg dry	
3-Nitroaniline	99-09-2	40.4	50.5	<50.5	ug/kg dry	
Acenaphthene	83-32-9	29.0	50.5	<50.5	ug/kg dry	
2,4-Dinitrophenol	51-28-5	17.7	170	<170	ug/kg dry	4.N
Dibenzofuran	132-64-9	24.0	50.5	<50.5	ug/kg dry	
4-Nitrophenol	100-02-7	20.2	170	<170	ug/kg dry	
2,4-Dinitrotoluene	121-14-2	17.7	50.5	<50.5	ug/kg dry	
Fluorene	86-73-7	27.8	50.5	<50.5	ug/kg dry	
Diethyl phthalate	84-66-2	25.3	50.5	<50.5	ug/kg dry	
4-Chlorophenyl phenyl ether	7005-72-3	24.0	50.5	<50.5	ug/kg dry	
4-Nitroaniline	100-01-6	25.3	50.5	<50.5	ug/kg dry	
4,6-Dinitro-2-methylphenol	534-52-1	22.7	170	<170	ug/kg dry	
N-Nitrosodiphenylamine	86-30-6	22.7	50.5	<50.5	ug/kg dry	
4-Bromophenyl phenyl ether	101-55-3	22.7	50.5	<50.5	ug/kg dry	
Hexachlorobenzene	118-74-1	25.3	50.5	<50.5	ug/kg dry	
Pentachlorophenol	87-86-5	21.5	50.5	<50.5	ug/kg dry	
Phenanthrene	85-01-8	27.8	50.5	<50.5	ug/kg dry	
Anthracene	120-12-7	22.7	50.5	<50.5	ug/kg dry	
Carbazole	86-74-8	21.5	50.5	<50.5	ug/kg dry	
Di-n-butyl phthalate	84-74-2	27.8	50.5	<50.5	ug/kg dry	
Parathion (ethyl)	56-38-2	65.7	75.8	<75.8	ug/kg dry	
Fluoranthene	206-44-0	25.3	50.5	<50.5	ug/kg dry	
Pyrene	129-00-0	26.5	50.5	<50.5	ug/kg dry	
Butyl benzyl phthalate	85-68-7	24.0	50.5	<50.5	ug/kg dry	

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 12:00	Sample ID: DUP-S
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-07 % Solid:79.19
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Benzo(a)anthracene	56-55-3	30.3	50.5	<50.5	ug/kg dry	
Chrysene	218-01-9	26.5	50.5	<50.5	ug/kg dry	
3,3'-Dichlorobenzidine	91-94-1	17.7	50.5	<50.5	ug/kg dry	
Bis(2-Ethylhexyl)phthalate	117-81-7	26.5	50.5	98.5	ug/kg dry	
Di-n-octyl phthalate	117-84-0	17.7	50.5	<50.5	ug/kg dry	
Benzo(b)fluoranthene	205-99-2	22.7	50.5	<50.5	ug/kg dry	
Benzo(k)fluoranthene	207-08-9	29.0	50.5	<50.5	ug/kg dry	
Benzo(a)pyrene	50-32-8	26.5	50.5	<50.5	ug/kg dry	
Indeno(1,2,3-cd)pyrene	193-39-5	34.1	50.5	<50.5	ug/kg dry	
Dibenzo(a,h)anthracene	53-70-3	32.8	50.5	<50.5	ug/kg dry	
Benzo(g,h,i)perylene	191-24-2	29.0	50.5	<50.5	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2-Fluorophenol	367-12-4	56	25-121	
Phenol-d6	13127-88-3	56	24-113	
Nitrobenzene-d5	4165-60-0	56	23-120	
2-Fluorobiphenyl	321-60-8	59	30-115	
2,4,6-Tribromophenol	118-79-6	73	19-122	
Terphenyl-d14	1718-51-0	61	18-137	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	106	50-200	
Naphthalene-d8	1146-65-2	108	50-200	
Acenaphthene-d10	15067-26-2	107	50-200	
Phenanthrene-d10	1517-22-2	103	50-200	
Chrysene-d12	1719-03-5	105	50-200	
Perylene-d12	1520-96-3	109	50-200	

Date Prepared: 10/09/2014

Date Analyzed: 10/10/2014

Preparation Method: EPA 3545 A

Analytical Method: EPA 8270 D

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 12:00	Sample ID: DUP-S
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-07 % Solid:79.19
Matrix: Soil	ELAP: #11693

Pesticides Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
alpha-BHC	319-84-6	0.307	6.31	<6.31	ug/kg dry	
gamma-BHC	58-89-9	0.313	6.31	<6.31	ug/kg dry	
beta-BHC	319-85-7	0.529	6.31	<6.31	ug/kg dry	
delta-BHC	319-86-8	0.383	6.31	<6.31	ug/kg dry	
Heptachlor	76-44-8	0.347	6.31	<6.31	ug/kg dry	
Aldrin	309-00-2	0.485	6.31	<6.31	ug/kg dry	
Heptachlor Epoxide	1024-57-3	0.561	6.31	<6.31	ug/kg dry	
trans-Chlordane	5103-74-2	0.799	6.31	<6.31	ug/kg dry	
cis-Chlordane	5103-71-9	0.534	6.31	<6.31	ug/kg dry	
4,4'-DDE	72-55-9	0.323	3.79	<3.79	ug/kg dry	
Endosulfan I	959-98-8	0.610	6.31	<6.31	ug/kg dry	
Dieldrin	60-57-1	0.504	6.31	<6.31	ug/kg dry	
Endrin	72-20-8	0.578	6.31	<6.31	ug/kg dry	
4,4'-DDD	72-54-8	0.575	3.79	<3.79	ug/kg dry	
Endosulfan II	33213-65-9	1.07	6.31	<6.31	ug/kg dry	
4,4'-DDT	50-29-3	0.835	3.79	<3.79	ug/kg dry	4.M
Endrin Aldehyde	7421-93-4	0.889	6.31	<6.31	ug/kg dry	
Methoxychlor	72-43-5	1.38	6.31	<6.31	ug/kg dry	
Endosulfan Sulfate	1031-07-8	1.48	6.31	<6.31	ug/kg dry	
Endrin Ketone	53494-70-5	1.27	6.31	<6.31	ug/kg dry	
Toxaphene	8001-35-2	8.69	126	<126	ug/kg dry	
Chlordane	12789-03-6	1.71	18.9	<18.9	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Tetrachloro-m-xylene	877-09-8	104	70-130	
Decachlorobiphenyl	2051-24-3	99	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	99	50-200	

Date Prepared: 10/08/2014

Date Analyzed: 10/11/2014

Preparation Method: EPA 3545 A

Analytical Method: EPA 8081B

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 12:00	Sample ID: DUP-S
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-07 % Solid:79.19
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	7.55	12.6	<12.6	ug/kg dry	
Aroclor-1260	11096-82-5	4.62	12.6	<12.6	ug/kg dry	
Aroclor-1221	11104-28-2	5.05	12.6	<12.6	ug/kg dry	
Aroclor-1232	11141-16-5	5.05	12.6	<12.6	ug/kg dry	
Aroclor-1242	53469-21-9	5.05	12.6	<12.6	ug/kg dry	
Aroclor-1248	12672-29-6	5.05	12.6	<12.6	ug/kg dry	
Aroclor-1254	11097-69-1	5.05	12.6	<12.6	ug/kg dry	
Aroclor-1262	37324-23-5	5.05	12.6	<12.6	ug/kg dry	
Aroclor-1268	11100-14-4	5.05	12.6	<12.6	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Tetrachloro-m-xylene	877-09-8	91	70-130	
Decachlorobiphenyl	2051-24-3	85	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	127	50-200	

Date Prepared: 10/08/2014

Date Analyzed: 10/09/2014

Preparation Method: EPA 3545 A

Analytical Method: EPA 8082 A

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 12:00	Sample ID: DUP-S
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-07 % Solid:79.19
Matrix: Soil	ELAP: #11693

Total Metals Analysis

Parameter	Date Analyzed	Method	MDL	LOQ	Result	Units	Flag
Aluminum	10/09/2014	EPA 6010 C	0.73	11.4	6330	mg/kg dry	
Antimony	10/09/2014	EPA 6010 C	0.78	1.91	<1.91	mg/kg dry	
Arsenic	10/09/2014	EPA 6010 C	0.20	1.91	2.11	mg/kg dry	
Barium	10/09/2014	EPA 6010 C	0.36	1.91	81.4	mg/kg dry	
Beryllium	10/09/2014	EPA 6010 C	0.20	1.91	<1.91	mg/kg dry	
Cadmium	10/09/2014	EPA 6010 C	0.20	1.88	<1.88	mg/kg dry	
Calcium	10/09/2014	EPA 6010 C	0.596	11.4	875	mg/kg dry	
Chromium	10/09/2014	EPA 6010 C	0.19	1.91	18.3	mg/kg dry	
Cobalt	10/09/2014	EPA 6010 C	0.186	1.91	10.4	mg/kg dry	
Copper	10/09/2014	EPA 6010 C	0.17	1.91	14.4	mg/kg dry	
Iron	10/09/2014	EPA 6010 C	7.51	57.1	28900	mg/kg dry	3.E
Lead	10/09/2014	EPA 6010 C	0.18	1.91	7.59	mg/kg dry	
Magnesium	10/09/2014	EPA 6010 C	0.742	5.71	1870	mg/kg dry	
Manganese	10/09/2014	EPA 6010 C	2.60	19.1	1350	mg/kg dry	3.E
Nickel	10/09/2014	EPA 6010 C	0.22	1.91	13.2	mg/kg dry	
Potassium	10/09/2014	EPA 6010 C	1.82	11.4	1000	mg/kg dry	
Selenium	10/09/2014	EPA 6010 C	0.64	1.91	<1.91	mg/kg dry	
Silver	10/09/2014	EPA 6010 C	0.16	1.91	<1.91	mg/kg dry	
Sodium	10/09/2014	EPA 6010 C	0.943	5.71	74.7	mg/kg dry	
Thallium	10/09/2014	EPA 6010 C	1.30	1.91	<1.91	mg/kg dry	
Vanadium	10/09/2014	EPA 6010 C	0.22	1.91	25.8	mg/kg dry	
Zinc	10/09/2014	EPA 6010 C	0.49	1.91	36.8	mg/kg dry	

Date Prepared: 10/09/2014 Preparation Method: EPA 3050B

Parameter	Date Analyzed	Method	MDL	LOQ	Result	Units	Flag
Mercury	10/10/2014	EPA 7471 B	0.002	0.03	0.39	mg/kg dry	

Date Prepared: 10/09/2014 Preparation Method: EPA 7471 B

Parameter	Date Analyzed	Method	MDL	LOQ	Result	Units	Flag
Cyanide	10/13/2014	EPA 9014	0.01	0.13	<0.13	mg/kg dry	

Date Prepared: 10/09/2014 Preparation Method: Distillation Prep

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 12:18	Sample ID: B-8 0'-2'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-08 % Solid:85.40
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Dichlorodifluoromethane	75-71-8	0.639	5.85	<5.85	ug/kg dry	4.J, 5.L
Chlorodifluoromethane	75-45-6	0.683	5.85	<5.85	ug/kg dry	2.B, 5.L
Chloromethane	74-87-3	0.748	5.85	<5.85	ug/kg dry	5.L
Vinyl chloride	75-01-4	0.445	5.85	<5.85	ug/kg dry	5.L
Bromomethane	74-83-9	1.94	5.85	<5.85	ug/kg dry	5.L
Chloroethane	75-00-3	0.399	5.85	<5.85	ug/kg dry	5.L
Trichlorofluoromethane	75-69-4	0.607	5.85	<5.85	ug/kg dry	5.L
Acetone	67-64-1	6.82	58.5	<58.5	ug/kg dry	5.L
1,1-Dichloroethylene	75-35-4	0.519	5.85	<5.85	ug/kg dry	5.L
tert-Butyl alcohol	75-65-0	2.02	5.85	<5.85	ug/kg dry	5.L
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	0.500	5.85	<5.85	ug/kg dry	5.L
Acrylonitrile	107-13-1	0.745	5.85	<5.85	ug/kg dry	5.L
Methylene Chloride	75-09-2	1.32	5.85	6.96	ug/kg dry	5.L
Carbon disulfide	75-15-0	0.415	5.85	<5.85	ug/kg dry	5.L
Methyl-tert-Butyl Ether	1634-04-4	0.450	5.85	<5.85	ug/kg dry	5.L
trans-1,2-Dichloroethylene	156-60-5	0.541	5.85	<5.85	ug/kg dry	5.L
1,1-Dichloroethane	75-34-3	0.641	5.85	<5.85	ug/kg dry	5.L
Methyl Ethyl Ketone (2-Butanone)	78-93-3	1.76	11.7	<11.7	ug/kg dry	4.J, 5.L
cis-1,2-Dichloroethylene	156-59-2	0.498	5.85	<5.85	ug/kg dry	5.L
2,2-Dichloropropane	594-20-7	0.370	5.85	<5.85	ug/kg dry	5.L
Bromochloromethane	74-97-5	0.693	5.85	<5.85	ug/kg dry	5.L
Chloroform	67-66-3	0.622	5.85	<5.85	ug/kg dry	5.L
1,1,1-Trichloroethane	71-55-6	0.432	5.85	<5.85	ug/kg dry	5.L
1,2-Dichloroethane	107-06-2	0.571	5.85	<5.85	ug/kg dry	5.L
1,1-Dichloropropylene	563-58-6	0.553	5.85	<5.85	ug/kg dry	5.L
Carbon Tetrachloride	56-23-5	0.561	5.85	<5.85	ug/kg dry	5.L
Benzene	71-43-2	0.423	5.85	<5.85	ug/kg dry	5.L
Trichloroethylene	79-01-6	0.639	5.85	<5.85	ug/kg dry	5.L
1,2-Dichloropropane	78-87-5	0.608	5.85	<5.85	ug/kg dry	5.L
Dibromomethane	74-95-3	0.477	5.85	<5.85	ug/kg dry	4.J, 5.L

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 12:18	Sample ID: B-8 0'-2'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-08 % Solid:85.40
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
1,4-Dioxane	123-91-1	27.0	58.5	<58.5	ug/kg dry	5.L
Bromodichloromethane	75-27-4	0.504	5.85	<5.85	ug/kg dry	5.L
4-Methyl-2-Pentanone	108-10-1	0.671	11.7	<11.7	ug/kg dry	4.J, 5.L
cis-1,3-Dichloropropylene	10061-01-5	0.502	5.85	<5.85	ug/kg dry	5.L
Toluene	108-88-3	0.458	5.85	<5.85	ug/kg dry	5.L
trans-1,3-Dichloropropylene	10061-02-6	0.391	5.85	<5.85	ug/kg dry	5.L
1,1,2-Trichloroethane	79-00-5	0.540	5.85	<5.85	ug/kg dry	5.L
Methyl Butyl Ketone (2-Hexanone)	591-78-6	0.819	5.85	<5.85	ug/kg dry	4.J, 5.L
1,3-Dichloropropane	142-28-9	0.430	5.85	<5.85	ug/kg dry	5.L
Dibromochloromethane	124-48-1	0.383	5.85	<5.85	ug/kg dry	5.L
Tetrachloroethylene	127-18-4	0.550	5.85	<5.85	ug/kg dry	5.L
1,2-Dibromoethane	106-93-4	0.496	5.85	<5.85	ug/kg dry	5.L
Chlorobenzene	108-90-7	0.498	5.85	<5.85	ug/kg dry	5.L
1,1,1,2-Tetrachloroethane	630-20-6	0.786	5.85	<5.85	ug/kg dry	5.L
Ethylbenzene	100-41-4	0.422	5.85	<5.85	ug/kg dry	5.L
m,p-Xylenes	108-38-3/106-42-3	0.645	11.7	<11.7	ug/kg dry	5.L
Styrene	100-42-5	0.300	5.85	<5.85	ug/kg dry	5.L
o-Xylene	95-47-6	0.294	5.85	<5.85	ug/kg dry	5.L
Bromoform	75-25-2	0.420	5.85	<5.85	ug/kg dry	5.L
1,1,2,2-Tetrachloroethane	79-34-5	0.412	5.85	<5.85	ug/kg dry	5.L
Isopropylbenzene (Cumene)	98-82-8	0.294	5.85	<5.85	ug/kg dry	5.L
1,2,3-Trichloropropane	96-18-4	0.648	5.85	<5.85	ug/kg dry	5.L
Bromobenzene	108-86-1	0.389	5.85	<5.85	ug/kg dry	5.L
n-Propylbenzene	103-65-1	0.408	5.85	<5.85	ug/kg dry	5.L
2-Chlorotoluene	95-49-8	0.453	5.85	<5.85	ug/kg dry	5.L
4-Ethyltoluene	622-96-8	0.429	5.85	<5.85	ug/kg dry	2.B, 5.L
4-Chlorotoluene	106-43-4	0.358	5.85	<5.85	ug/kg dry	5.L
1,3,5-Trimethylbenzene	108-67-8	0.372	5.85	<5.85	ug/kg dry	5.L
tert-Butylbenzene	98-06-6	0.532	5.85	<5.85	ug/kg dry	5.L

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 12:18	Sample ID: B-8 0'-2'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-08 % Solid:85.40
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
1,2,4-Trimethylbenzene	95-63-6	0.409	5.85	<5.85	ug/kg dry	5.L
sec-Butylbenzene	135-98-8	0.364	5.85	<5.85	ug/kg dry	5.L
1,3-Dichlorobenzene	541-73-1	0.333	5.85	<5.85	ug/kg dry	5.L
4-Isopropyltoluene	99-87-6	0.463	5.85	<5.85	ug/kg dry	5.L
1,4-Dichlorobenzene	106-46-7	0.477	5.85	<5.85	ug/kg dry	5.L
1,2-Dichlorobenzene	95-50-1	0.506	5.85	<5.85	ug/kg dry	5.L
1,4-Diethylbenzene	105-05-5	0.300	5.85	<5.85	ug/kg dry	2.B, 5.L
n-Butylbenzene	104-51-8	0.354	5.85	<5.85	ug/kg dry	5.L
1,2-Dibromo-3-chloropropane	96-12-8	0.720	5.85	<5.85	ug/kg dry	5.L
1,2,4,5-Tetramethylbenzene	95-93-2	0.307	5.85	<5.85	ug/kg dry	2.B, 5.L
1,2,4-Trichlorobenzene	120-82-1	0.361	5.85	<5.85	ug/kg dry	5.L
Naphthalene	91-20-3	0.691	5.85	<5.85	ug/kg dry	5.L
Hexachlorobutadiene	87-68-3	0.340	5.85	<5.85	ug/kg dry	5.L
1,2,3-Trichlorobenzene	87-61-6	0.653	5.85	<5.85	ug/kg dry	5.L

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Dibromofluoromethane	1868-53-7	98	70-130	
1,2-Dichloroethane-d4	10706-07-0	105	70-130	
Toluene-d8	2037-26-5	101	70-130	
4-Bromofluorobenzene	460-00-4	104	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
Pentafluorobenzene	363-72-4	125	50-200	
1,4-Difluorobenzene	540-36-3	121	50-200	
Chlorobenzene-d5	3114-55-4	119	50-200	
1,4-Dichlorobenzene-d4	3855-82-1	87	50-200	

Date Prepared: 10/09/2014

Date Analyzed: 10/10/2014

Preparation Method: EPA 5035A-L

Analytical Method: EPA 8260 C

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 12:18	Sample ID: B-8 0'-2'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-08 % Solid:85.40
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Pyridine	110-86-1	19.9	158	<158	ug/kg dry	4.N
N-Nitrosodimethylamine	62-75-9	32.8	46.8	<46.8	ug/kg dry	
Phenol	108-95-2	18.7	46.8	<46.8	ug/kg dry	
Aniline	62-53-3	16.4	46.8	<46.8	ug/kg dry	
2-Chlorophenol	95-57-8	21.1	46.8	<46.8	ug/kg dry	
Bis(2-Chloroethyl)ether	111-44-4	30.4	46.8	<46.8	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	18.7	46.8	<46.8	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	22.2	46.8	<46.8	ug/kg dry	
Benzyl alcohol	100-51-6	17.6	46.8	<46.8	ug/kg dry	
1,2-Dichlorobenzene	95-50-1	18.7	46.8	<46.8	ug/kg dry	
2-Methylphenol	95-48-7	26.9	46.8	<46.8	ug/kg dry	
Bis(2-chloroisopropyl)ether	39638-32-9	29.3	46.8	<46.8	ug/kg dry	
Hexachloroethane	67-72-1	23.4	46.8	<46.8	ug/kg dry	
3/4-Methylphenol	108-39-4/106-44-5	21.1	46.8	<46.8	ug/kg dry	
N-Nitroso-di-n-propylamine	621-64-7	17.6	46.8	<46.8	ug/kg dry	
Nitrobenzene	98-95-3	21.1	46.8	<46.8	ug/kg dry	
Isophorone	78-59-1	16.4	46.8	<46.8	ug/kg dry	
2-Nitrophenol	88-75-5	32.8	46.8	<46.8	ug/kg dry	
2,4-Dimethylphenol	105-67-9	34.0	46.8	<46.8	ug/kg dry	
Benzoic Acid	65-85-0	28.1	46.8	<46.8	ug/kg dry	4.N
bis(2-Chloroethoxy)methane	111-91-1	23.4	46.8	<46.8	ug/kg dry	
2,4-Dichlorophenol	120-83-2	16.4	46.8	<46.8	ug/kg dry	
1,2,4-Trichlorobenzene	120-82-1	23.4	46.8	<46.8	ug/kg dry	
Naphthalene	91-20-3	18.7	46.8	77.3	ug/kg dry	
4-Chloroaniline	106-47-8	16.4	46.8	<46.8	ug/kg dry	
Hexachlorobutadiene	87-68-3	32.8	46.8	<46.8	ug/kg dry	
4-Chloro-3-methylphenol	59-50-7	36.3	46.8	<46.8	ug/kg dry	
2-Methylnaphthalene	91-57-6	24.6	46.8	<46.8	ug/kg dry	
Hexachlorocyclopentadiene	77-47-4	21.1	46.8	<46.8	ug/kg dry	
2,4,6-Trichlorophenol	88-06-2	21.1	46.8	<46.8	ug/kg dry	

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 12:18	Sample ID: B-8 0'-2'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-08 % Solid:85.40
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
2,4,5-Trichlorophenol	95-95-4	29.3	46.8	<46.8	ug/kg dry	
2-Chloronaphthalene	91-58-7	16.4	46.8	<46.8	ug/kg dry	
2-Nitroaniline	88-74-4	39.8	46.8	<46.8	ug/kg dry	
Dimethyl phthalate	131-11-3	19.9	46.8	<46.8	ug/kg dry	
Acenaphthylene	208-96-8	25.8	46.8	<46.8	ug/kg dry	
2,6-Dinitrotoluene	606-20-2	24.6	46.8	<46.8	ug/kg dry	
3-Nitroaniline	99-09-2	37.5	46.8	<46.8	ug/kg dry	
Acenaphthene	83-32-9	26.9	46.8	48.4	ug/kg dry	
2,4-Dinitrophenol	51-28-5	16.4	158	<158	ug/kg dry	4.N
Dibenzofuran	132-64-9	22.2	46.8	97.6	ug/kg dry	
4-Nitrophenol	100-02-7	18.7	158	<158	ug/kg dry	
2,4-Dinitrotoluene	121-14-2	16.4	46.8	<46.8	ug/kg dry	
Fluorene	86-73-7	25.8	46.8	82.7	ug/kg dry	
Diethyl phthalate	84-66-2	23.4	46.8	<46.8	ug/kg dry	
4-Chlorophenyl phenyl ether	7005-72-3	22.2	46.8	<46.8	ug/kg dry	
4-Nitroaniline	100-01-6	23.4	46.8	<46.8	ug/kg dry	
4,6-Dinitro-2-methylphenol	534-52-1	21.1	158	<158	ug/kg dry	
N-Nitrosodiphenylamine	86-30-6	21.1	46.8	<46.8	ug/kg dry	
4-Bromophenyl phenyl ether	101-55-3	21.1	46.8	<46.8	ug/kg dry	
Hexachlorobenzene	118-74-1	23.4	46.8	<46.8	ug/kg dry	
Pentachlorophenol	87-86-5	19.9	46.8	<46.8	ug/kg dry	
Phenanthrene	85-01-8	25.8	46.8	1070	ug/kg dry	
Anthracene	120-12-7	21.1	46.8	138	ug/kg dry	
Carbazole	86-74-8	19.9	46.8	126	ug/kg dry	
Di-n-butyl phthalate	84-74-2	25.8	46.8	<46.8	ug/kg dry	
Parathion (ethyl)	56-38-2	60.9	70.3	<70.3	ug/kg dry	
Fluoranthene	206-44-0	23.4	46.8	1090	ug/kg dry	
Pyrene	129-00-0	24.6	46.8	886	ug/kg dry	
Butyl benzyl phthalate	85-68-7	22.2	46.8	<46.8	ug/kg dry	

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 12:18	Sample ID: B-8 0'-2'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-08 % Solid:85.40
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Benzo(a)anthracene	56-55-3	28.1	46.8	490	ug/kg dry	
Chrysene	218-01-9	24.6	46.8	478	ug/kg dry	
3,3'-Dichlorobenzidine	91-94-1	16.4	46.8	<46.8	ug/kg dry	
Bis(2-Ethylhexyl)phthalate	117-81-7	24.6	46.8	88.2	ug/kg dry	
Di-n-octyl phthalate	117-84-0	16.4	46.8	<46.8	ug/kg dry	
Benzo(b)fluoranthene	205-99-2	21.1	46.8	525	ug/kg dry	
Benzo(k)fluoranthene	207-08-9	26.9	46.8	266	ug/kg dry	
Benzo(a)pyrene	50-32-8	24.6	46.8	415	ug/kg dry	
Indeno(1,2,3-cd)pyrene	193-39-5	31.6	46.8	304	ug/kg dry	
Dibenzo(a,h)anthracene	53-70-3	30.4	46.8	67.1	ug/kg dry	
Benzo(g,h,i)perylene	191-24-2	26.9	46.8	213	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2-Fluorophenol	367-12-4	61	25-121	
Phenol-d6	13127-88-3	64	24-113	
Nitrobenzene-d5	4165-60-0	62	23-120	
2-Fluorobiphenyl	321-60-8	70	30-115	
2,4,6-Tribromophenol	118-79-6	87	19-122	
Terphenyl-d14	1718-51-0	69	18-137	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	96	50-200	
Naphthalene-d8	1146-65-2	96	50-200	
Acenaphthene-d10	15067-26-2	95	50-200	
Phenanthrene-d10	1517-22-2	92	50-200	
Chrysene-d12	1719-03-5	94	50-200	
Perylene-d12	1520-96-3	99	50-200	

Date Prepared: 10/09/2014

Date Analyzed: 10/10/2014

Preparation Method: EPA 3545 A

Analytical Method: EPA 8270 D

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 12:18	Sample ID: B-8 0'-2'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-08 % Solid:85.40
Matrix: Soil	ELAP: #11693

Pesticides Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
alpha-BHC	319-84-6	0.285	5.85	<5.85	ug/kg dry	
gamma-BHC	58-89-9	0.290	5.85	<5.85	ug/kg dry	
beta-BHC	319-85-7	0.491	5.85	<5.85	ug/kg dry	
delta-BHC	319-86-8	0.355	5.85	<5.85	ug/kg dry	
Heptachlor	76-44-8	0.322	5.85	<5.85	ug/kg dry	
Aldrin	309-00-2	0.450	5.85	<5.85	ug/kg dry	
Heptachlor Epoxide	1024-57-3	0.520	5.85	<5.85	ug/kg dry	
trans-Chlordane	5103-74-2	0.741	5.85	<5.85	ug/kg dry	
cis-Chlordane	5103-71-9	0.495	5.85	<5.85	ug/kg dry	
4,4'-DDE	72-55-9	0.300	3.51	<3.51	ug/kg dry	
Endosulfan I	959-98-8	0.566	5.85	<5.85	ug/kg dry	
Dieldrin	60-57-1	0.467	5.85	<5.85	ug/kg dry	
Endrin	72-20-8	0.536	5.85	<5.85	ug/kg dry	
4,4'-DDD	72-54-8	0.533	3.51	<3.51	ug/kg dry	
Endosulfan II	33213-65-9	0.997	5.85	<5.85	ug/kg dry	
4,4'-DDT	50-29-3	0.774	3.51	<3.51	ug/kg dry	4.M
Endrin Aldehyde	7421-93-4	0.824	5.85	<5.85	ug/kg dry	
Methoxychlor	72-43-5	1.28	5.85	<5.85	ug/kg dry	
Endosulfan Sulfate	1031-07-8	1.37	5.85	<5.85	ug/kg dry	
Endrin Ketone	53494-70-5	1.18	5.85	<5.85	ug/kg dry	
Toxaphene	8001-35-2	8.06	117	<117	ug/kg dry	
Chlordane	12789-03-6	1.59	17.6	<17.6	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Tetrachloro-m-xylene	877-09-8	100	70-130	
Decachlorobiphenyl	2051-24-3	92	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	95	50-200	

Date Prepared: 10/08/2014

Date Analyzed: 10/11/2014

Preparation Method: EPA 3545 A

Analytical Method: EPA 8081B

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 12:18	Sample ID: B-8 0'-2'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-08 % Solid:85.40
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	7.00	11.7	<11.7	ug/kg dry	
Aroclor-1260	11096-82-5	4.28	11.7	<11.7	ug/kg dry	
Aroclor-1221	11104-28-2	4.68	11.7	<11.7	ug/kg dry	
Aroclor-1232	11141-16-5	4.68	11.7	<11.7	ug/kg dry	
Aroclor-1242	53469-21-9	4.68	11.7	<11.7	ug/kg dry	
Aroclor-1248	12672-29-6	4.68	11.7	<11.7	ug/kg dry	
Aroclor-1254	11097-69-1	4.68	11.7	<11.7	ug/kg dry	
Aroclor-1262	37324-23-5	4.68	11.7	<11.7	ug/kg dry	
Aroclor-1268	11100-14-4	4.68	11.7	<11.7	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Tetrachloro-m-xylene	877-09-8	87	70-130	
Decachlorobiphenyl	2051-24-3	78	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	130	50-200	

Date Prepared: 10/08/2014

Date Analyzed: 10/09/2014

Preparation Method: EPA 3545 A

Analytical Method: EPA 8082 A

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 12:18	Sample ID: B-8 0'-2'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-08 % Solid:85.40
Matrix: Soil	ELAP: #11693

Total Metals Analysis

Parameter	Date Analyzed	Method	MDL	LOQ	Result	Units	Flag
Aluminum	10/09/2014	EPA 6010 C	6.99	109	10900	mg/kg dry	3.E
Antimony	10/09/2014	EPA 6010 C	0.75	1.82	<1.82	mg/kg dry	
Arsenic	10/09/2014	EPA 6010 C	0.19	1.82	2.07	mg/kg dry	
Barium	10/09/2014	EPA 6010 C	0.34	1.82	81.5	mg/kg dry	
Beryllium	10/09/2014	EPA 6010 C	0.19	1.82	<1.82	mg/kg dry	
Cadmium	10/09/2014	EPA 6010 C	0.19	1.80	<1.80	mg/kg dry	
Calcium	10/09/2014	EPA 6010 C	0.570	10.9	5440	mg/kg dry	
Chromium	10/09/2014	EPA 6010 C	0.18	1.82	17.4	mg/kg dry	
Cobalt	10/09/2014	EPA 6010 C	0.178	1.82	6.81	mg/kg dry	
Copper	10/09/2014	EPA 6010 C	0.16	1.82	26.0	mg/kg dry	
Iron	10/09/2014	EPA 6010 C	7.18	54.5	20800	mg/kg dry	3.E
Lead	10/09/2014	EPA 6010 C	0.18	1.82	103	mg/kg dry	
Magnesium	10/09/2014	EPA 6010 C	0.709	5.45	2230	mg/kg dry	
Manganese	10/09/2014	EPA 6010 C	2.49	18.2	561	mg/kg dry	3.E
Nickel	10/09/2014	EPA 6010 C	0.21	1.82	11.0	mg/kg dry	
Potassium	10/09/2014	EPA 6010 C	1.74	10.9	1080	mg/kg dry	
Selenium	10/09/2014	EPA 6010 C	0.62	1.82	<1.82	mg/kg dry	
Silver	10/09/2014	EPA 6010 C	0.15	1.82	<1.82	mg/kg dry	
Sodium	10/09/2014	EPA 6010 C	0.902	5.45	130	mg/kg dry	
Thallium	10/09/2014	EPA 6010 C	1.25	1.82	<1.82	mg/kg dry	
Vanadium	10/09/2014	EPA 6010 C	0.21	1.82	24.9	mg/kg dry	
Zinc	10/09/2014	EPA 6010 C	0.47	1.82	65.7	mg/kg dry	

Date Prepared: 10/09/2014 Preparation Method: EPA 3050B

Parameter	Date Analyzed	Method	MDL	LOQ	Result	Units	Flag
Mercury	10/10/2014	EPA 7471 B	0.002	0.02	0.02	mg/kg dry	

Date Prepared: 10/09/2014 Preparation Method: EPA 7471 B

Parameter	Date Analyzed	Method	MDL	LOQ	Result	Units	Flag
Cyanide	10/13/2014	EPA 9014	0.01	0.12	0.31	mg/kg dry	

Date Prepared: 10/09/2014 Preparation Method: Distillation Prep

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 12:25	Sample ID: B-8 10'-12'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-09 % Solid:89.71
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Dichlorodifluoromethane	75-71-8	0.609	5.57	<5.57	ug/kg dry	5.L
Chlorodifluoromethane	75-45-6	0.650	5.57	<5.57	ug/kg dry	5.L, 2.B
Chloromethane	74-87-3	0.712	5.57	<5.57	ug/kg dry	4.J, 5.L
Vinyl chloride	75-01-4	0.424	5.57	<5.57	ug/kg dry	5.L
Bromomethane	74-83-9	1.85	5.57	<5.57	ug/kg dry	4.J, 5.L
Chloroethane	75-00-3	0.380	5.57	<5.57	ug/kg dry	5.L
Trichlorofluoromethane	75-69-4	0.577	5.57	<5.57	ug/kg dry	5.L
Acetone	67-64-1	6.49	55.7	<55.7	ug/kg dry	5.L
1,1-Dichloroethylene	75-35-4	0.494	5.57	<5.57	ug/kg dry	5.L
tert-Butyl alcohol	75-65-0	1.93	5.57	<5.57	ug/kg dry	5.L
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	0.476	5.57	<5.57	ug/kg dry	5.L
Acrylonitrile	107-13-1	0.709	5.57	<5.57	ug/kg dry	5.L
Methylene Chloride	75-09-2	1.25	5.57	<5.57	ug/kg dry	5.L
Carbon disulfide	75-15-0	0.395	5.57	<5.57	ug/kg dry	5.L
Methyl-tert-Butyl Ether	1634-04-4	0.428	5.57	<5.57	ug/kg dry	5.L
trans-1,2-Dichloroethylene	156-60-5	0.515	5.57	<5.57	ug/kg dry	5.L
1,1-Dichloroethane	75-34-3	0.610	5.57	<5.57	ug/kg dry	5.L
Methyl Ethyl Ketone (2-Butanone)	78-93-3	1.68	11.1	<11.1	ug/kg dry	5.L
cis-1,2-Dichloroethylene	156-59-2	0.474	5.57	<5.57	ug/kg dry	5.L
2,2-Dichloropropane	594-20-7	0.352	5.57	<5.57	ug/kg dry	5.L
Bromochloromethane	74-97-5	0.660	5.57	<5.57	ug/kg dry	5.L
Chloroform	67-66-3	0.592	5.57	<5.57	ug/kg dry	5.L
1,1,1-Trichloroethane	71-55-6	0.411	5.57	<5.57	ug/kg dry	5.L
1,2-Dichloroethane	107-06-2	0.544	5.57	<5.57	ug/kg dry	5.L
1,1-Dichloropropylene	563-58-6	0.526	5.57	<5.57	ug/kg dry	5.L
Carbon Tetrachloride	56-23-5	0.534	5.57	<5.57	ug/kg dry	5.L
Benzene	71-43-2	0.402	5.57	<5.57	ug/kg dry	5.L
Trichloroethylene	79-01-6	0.609	5.57	<5.57	ug/kg dry	5.L
1,2-Dichloropropane	78-87-5	0.579	5.57	<5.57	ug/kg dry	5.L
Dibromomethane	74-95-3	0.454	5.57	<5.57	ug/kg dry	5.L

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 12:25	Sample ID: B-8 10'-12'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-09 % Solid:89.71
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
1,4-Dioxane	123-91-1	25.7	55.7	<55.7	ug/kg dry	5.L
Bromodichloromethane	75-27-4	0.479	5.57	<5.57	ug/kg dry	5.L
4-Methyl-2-Pentanone	108-10-1	0.639	11.1	<11.1	ug/kg dry	5.L
cis-1,3-Dichloropropylene	10061-01-5	0.478	5.57	<5.57	ug/kg dry	5.L
Toluene	108-88-3	0.436	5.57	<5.57	ug/kg dry	5.L
trans-1,3-Dichloropropylene	10061-02-6	0.372	5.57	<5.57	ug/kg dry	5.L
1,1,2-Trichloroethane	79-00-5	0.514	5.57	<5.57	ug/kg dry	5.L
Methyl Butyl Ketone (2-Hexanone)	591-78-6	0.779	5.57	<5.57	ug/kg dry	5.L
1,3-Dichloropropane	142-28-9	0.409	5.57	<5.57	ug/kg dry	5.L
Dibromochloromethane	124-48-1	0.365	5.57	<5.57	ug/kg dry	5.L
Tetrachloroethylene	127-18-4	0.524	5.57	<5.57	ug/kg dry	5.L
1,2-Dibromoethane	106-93-4	0.473	5.57	<5.57	ug/kg dry	5.L
Chlorobenzene	108-90-7	0.474	5.57	<5.57	ug/kg dry	5.L
1,1,1,2-Tetrachloroethane	630-20-6	0.748	5.57	<5.57	ug/kg dry	5.L
Ethylbenzene	100-41-4	0.401	5.57	<5.57	ug/kg dry	5.L
m,p-Xylenes	108-38-3/106-42-3	0.614	11.1	<11.1	ug/kg dry	5.L
Styrene	100-42-5	0.285	5.57	<5.57	ug/kg dry	5.L
o-Xylene	95-47-6	0.280	5.57	<5.57	ug/kg dry	5.L
Bromoform	75-25-2	0.400	5.57	<5.57	ug/kg dry	5.L
1,1,2,2-Tetrachloroethane	79-34-5	0.392	5.57	<5.57	ug/kg dry	5.L
Isopropylbenzene (Cumene)	98-82-8	0.280	5.57	<5.57	ug/kg dry	5.L
1,2,3-Trichloropropane	96-18-4	0.616	5.57	<5.57	ug/kg dry	5.L
Bromobenzene	108-86-1	0.370	5.57	<5.57	ug/kg dry	5.L
n-Propylbenzene	103-65-1	0.388	5.57	<5.57	ug/kg dry	5.L
2-Chlorotoluene	95-49-8	0.431	5.57	<5.57	ug/kg dry	5.L
4-Ethyltoluene	622-96-8	0.408	5.57	<5.57	ug/kg dry	2.B, 5.L
4-Chlorotoluene	106-43-4	0.341	5.57	<5.57	ug/kg dry	5.L
1,3,5-Trimethylbenzene	108-67-8	0.354	5.57	<5.57	ug/kg dry	5.L
tert-Butylbenzene	98-06-6	0.506	5.57	<5.57	ug/kg dry	5.L

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 12:25	Sample ID: B-8 10'-12'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-09 % Solid:89.71
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
1,2,4-Trimethylbenzene	95-63-6	0.389	5.57	<5.57	ug/kg dry	5.L
sec-Butylbenzene	135-98-8	0.347	5.57	<5.57	ug/kg dry	5.L
1,3-Dichlorobenzene	541-73-1	0.317	5.57	<5.57	ug/kg dry	5.L
4-Isopropyltoluene	99-87-6	0.440	5.57	<5.57	ug/kg dry	5.L
1,4-Dichlorobenzene	106-46-7	0.454	5.57	<5.57	ug/kg dry	5.L
1,2-Dichlorobenzene	95-50-1	0.482	5.57	<5.57	ug/kg dry	5.L
1,4-Diethylbenzene	105-05-5	0.285	5.57	<5.57	ug/kg dry	2.B, 5.L
n-Butylbenzene	104-51-8	0.337	5.57	<5.57	ug/kg dry	5.L
1,2-Dibromo-3-chloropropane	96-12-8	0.686	5.57	<5.57	ug/kg dry	5.L
1,2,4,5-Tetramethylbenzene	95-93-2	0.292	5.57	<5.57	ug/kg dry	2.B, 4.J, 5.L
1,2,4-Trichlorobenzene	120-82-1	0.343	5.57	<5.57	ug/kg dry	5.L
Naphthalene	91-20-3	0.658	5.57	<5.57	ug/kg dry	5.L
Hexachlorobutadiene	87-68-3	0.323	5.57	<5.57	ug/kg dry	5.L
1,2,3-Trichlorobenzene	87-61-6	0.622	5.57	<5.57	ug/kg dry	5.L

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Dibromofluoromethane	1868-53-7	101	70-130	
1,2-Dichloroethane-d4	10706-07-0	103	70-130	
Toluene-d8	2037-26-5	103	70-130	
4-Bromofluorobenzene	460-00-4	108	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
Pentafluorobenzene	363-72-4	101	50-200	
1,4-Difluorobenzene	540-36-3	102	50-200	
Chlorobenzene-d5	3114-55-4	98	50-200	
1,4-Dichlorobenzene-d4	3855-82-1	72	50-200	

Date Prepared: 10/09/2014

Date Analyzed: 10/09/2014

Preparation Method: EPA 5035A-L

Analytical Method: EPA 8260 C

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 12:25	Sample ID: B-8 10'-12'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-09 % Solid:89.71
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Pyridine	110-86-1	19.0	150	<150	ug/kg dry	4.N
N-Nitrosodimethylamine	62-75-9	31.2	44.6	<44.6	ug/kg dry	
Phenol	108-95-2	17.8	44.6	<44.6	ug/kg dry	
Aniline	62-53-3	15.6	44.6	<44.6	ug/kg dry	
2-Chlorophenol	95-57-8	20.1	44.6	<44.6	ug/kg dry	
Bis(2-Chloroethyl)ether	111-44-4	29.0	44.6	<44.6	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	17.8	44.6	<44.6	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	21.2	44.6	<44.6	ug/kg dry	
Benzyl alcohol	100-51-6	16.7	44.6	<44.6	ug/kg dry	
1,2-Dichlorobenzene	95-50-1	17.8	44.6	<44.6	ug/kg dry	
2-Methylphenol	95-48-7	25.6	44.6	<44.6	ug/kg dry	
Bis(2-chloroisopropyl)ether	39638-32-9	27.9	44.6	<44.6	ug/kg dry	
Hexachloroethane	67-72-1	22.3	44.6	<44.6	ug/kg dry	
3/4-Methylphenol	108-39-4/106-44-5	20.1	44.6	<44.6	ug/kg dry	
N-Nitroso-di-n-propylamine	621-64-7	16.7	44.6	<44.6	ug/kg dry	
Nitrobenzene	98-95-3	20.1	44.6	<44.6	ug/kg dry	
Isophorone	78-59-1	15.6	44.6	<44.6	ug/kg dry	
2-Nitrophenol	88-75-5	31.2	44.6	<44.6	ug/kg dry	
2,4-Dimethylphenol	105-67-9	32.3	44.6	<44.6	ug/kg dry	
Benzoic Acid	65-85-0	26.8	44.6	<44.6	ug/kg dry	4.N
bis(2-Chloroethoxy)methane	111-91-1	22.3	44.6	<44.6	ug/kg dry	
2,4-Dichlorophenol	120-83-2	15.6	44.6	<44.6	ug/kg dry	
1,2,4-Trichlorobenzene	120-82-1	22.3	44.6	<44.6	ug/kg dry	
Naphthalene	91-20-3	17.8	44.6	<44.6	ug/kg dry	
4-Chloroaniline	106-47-8	15.6	44.6	<44.6	ug/kg dry	
Hexachlorobutadiene	87-68-3	31.2	44.6	<44.6	ug/kg dry	
4-Chloro-3-methylphenol	59-50-7	34.6	44.6	<44.6	ug/kg dry	
2-Methylnaphthalene	91-57-6	23.4	44.6	<44.6	ug/kg dry	
Hexachlorocyclopentadiene	77-47-4	20.1	44.6	<44.6	ug/kg dry	
2,4,6-Trichlorophenol	88-06-2	20.1	44.6	<44.6	ug/kg dry	

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 12:25	Sample ID: B-8 10'-12'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-09 % Solid:89.71
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
2,4,5-Trichlorophenol	95-95-4	27.9	44.6	<44.6	ug/kg dry	
2-Chloronaphthalene	91-58-7	15.6	44.6	<44.6	ug/kg dry	
2-Nitroaniline	88-74-4	37.9	44.6	<44.6	ug/kg dry	
Dimethyl phthalate	131-11-3	19.0	44.6	<44.6	ug/kg dry	
Acenaphthylene	208-96-8	24.5	44.6	<44.6	ug/kg dry	
2,6-Dinitrotoluene	606-20-2	23.4	44.6	<44.6	ug/kg dry	
3-Nitroaniline	99-09-2	35.7	44.6	<44.6	ug/kg dry	
Acenaphthene	83-32-9	25.6	44.6	<44.6	ug/kg dry	
2,4-Dinitrophenol	51-28-5	15.6	150	<150	ug/kg dry	4.N
Dibenzofuran	132-64-9	21.2	44.6	<44.6	ug/kg dry	
4-Nitrophenol	100-02-7	17.8	150	<150	ug/kg dry	
2,4-Dinitrotoluene	121-14-2	15.6	44.6	<44.6	ug/kg dry	
Fluorene	86-73-7	24.5	44.6	<44.6	ug/kg dry	
Diethyl phthalate	84-66-2	22.3	44.6	<44.6	ug/kg dry	
4-Chlorophenyl phenyl ether	7005-72-3	21.2	44.6	<44.6	ug/kg dry	
4-Nitroaniline	100-01-6	22.3	44.6	<44.6	ug/kg dry	
4,6-Dinitro-2-methylphenol	534-52-1	20.1	150	<150	ug/kg dry	
N-Nitrosodiphenylamine	86-30-6	20.1	44.6	<44.6	ug/kg dry	
4-Bromophenyl phenyl ether	101-55-3	20.1	44.6	<44.6	ug/kg dry	
Hexachlorobenzene	118-74-1	22.3	44.6	<44.6	ug/kg dry	
Pentachlorophenol	87-86-5	19.0	44.6	<44.6	ug/kg dry	
Phenanthrene	85-01-8	24.5	44.6	<44.6	ug/kg dry	
Anthracene	120-12-7	20.1	44.6	<44.6	ug/kg dry	
Carbazole	86-74-8	19.0	44.6	<44.6	ug/kg dry	
Di-n-butyl phthalate	84-74-2	24.5	44.6	<44.6	ug/kg dry	
Parathion (ethyl)	56-38-2	58.0	66.9	<66.9	ug/kg dry	
Fluoranthene	206-44-0	22.3	44.6	<44.6	ug/kg dry	
Pyrene	129-00-0	23.4	44.6	<44.6	ug/kg dry	
Butyl benzyl phthalate	85-68-7	21.2	44.6	<44.6	ug/kg dry	

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 12:25	Sample ID: B-8 10'-12'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-09 % Solid:89.71
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Benzo(a)anthracene	56-55-3	26.8	44.6	<44.6	ug/kg dry	
Chrysene	218-01-9	23.4	44.6	<44.6	ug/kg dry	
3,3'-Dichlorobenzidine	91-94-1	15.6	44.6	<44.6	ug/kg dry	
Bis(2-Ethylhexyl)phthalate	117-81-7	23.4	44.6	89.9	ug/kg dry	
Di-n-octyl phthalate	117-84-0	15.6	44.6	<44.6	ug/kg dry	
Benzo(b)fluoranthene	205-99-2	20.1	44.6	<44.6	ug/kg dry	
Benzo(k)fluoranthene	207-08-9	25.6	44.6	<44.6	ug/kg dry	
Benzo(a)pyrene	50-32-8	23.4	44.6	<44.6	ug/kg dry	
Indeno(1,2,3-cd)pyrene	193-39-5	30.1	44.6	<44.6	ug/kg dry	
Dibenzo(a,h)anthracene	53-70-3	29.0	44.6	<44.6	ug/kg dry	
Benzo(g,h,i)perylene	191-24-2	25.6	44.6	<44.6	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2-Fluorophenol	367-12-4	62	25-121	
Phenol-d6	13127-88-3	62	24-113	
Nitrobenzene-d5	4165-60-0	60	23-120	
2-Fluorobiphenyl	321-60-8	67	30-115	
2,4,6-Tribromophenol	118-79-6	87	19-122	
Terphenyl-d14	1718-51-0	70	18-137	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	102	50-200	
Naphthalene-d8	1146-65-2	102	50-200	
Acenaphthene-d10	15067-26-2	101	50-200	
Phenanthrene-d10	1517-22-2	97	50-200	
Chrysene-d12	1719-03-5	100	50-200	
Perylene-d12	1520-96-3	104	50-200	

Date Prepared: 10/09/2014

Date Analyzed: 10/10/2014

Preparation Method: EPA 3545 A

Analytical Method: EPA 8270 D

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 12:25	Sample ID: B-8 10'-12'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-09 % Solid:89.71
Matrix: Soil	ELAP: #11693

Pesticides Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
alpha-BHC	319-84-6	0.271	5.57	<5.57	ug/kg dry	
gamma-BHC	58-89-9	0.276	5.57	<5.57	ug/kg dry	
beta-BHC	319-85-7	0.467	5.57	<5.57	ug/kg dry	
delta-BHC	319-86-8	0.338	5.57	<5.57	ug/kg dry	
Heptachlor	76-44-8	0.307	5.57	<5.57	ug/kg dry	
Aldrin	309-00-2	0.428	5.57	<5.57	ug/kg dry	
Heptachlor Epoxide	1024-57-3	0.495	5.57	<5.57	ug/kg dry	
trans-Chlordane	5103-74-2	0.706	5.57	<5.57	ug/kg dry	
cis-Chlordane	5103-71-9	0.472	5.57	<5.57	ug/kg dry	
4,4'-DDE	72-55-9	0.285	3.34	<3.34	ug/kg dry	
Endosulfan I	959-98-8	0.538	5.57	<5.57	ug/kg dry	
Dieldrin	60-57-1	0.445	5.57	<5.57	ug/kg dry	
Endrin	72-20-8	0.511	5.57	<5.57	ug/kg dry	
4,4'-DDD	72-54-8	0.507	3.34	<3.34	ug/kg dry	
Endosulfan II	33213-65-9	0.949	5.57	<5.57	ug/kg dry	
4,4'-DDT	50-29-3	0.737	3.34	<3.34	ug/kg dry	4.M
Endrin Aldehyde	7421-93-4	0.785	5.57	<5.57	ug/kg dry	
Methoxychlor	72-43-5	1.22	5.57	<5.57	ug/kg dry	
Endosulfan Sulfate	1031-07-8	1.31	5.57	<5.57	ug/kg dry	
Endrin Ketone	53494-70-5	1.12	5.57	<5.57	ug/kg dry	
Toxaphene	8001-35-2	7.67	111	<111	ug/kg dry	
Chlordane	12789-03-6	1.51	16.7	<16.7	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Tetrachloro-m-xylene	877-09-8	97	70-130	
Decachlorobiphenyl	2051-24-3	96	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	97	50-200	

Date Prepared: 10/08/2014

Date Analyzed: 10/11/2014

Preparation Method: EPA 3545 A

Analytical Method: EPA 8081B

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 12:25	Sample ID: B-8 10'-12'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-09 % Solid:89.71
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	6.66	11.1	<11.1	ug/kg dry	
Aroclor-1260	11096-82-5	4.08	11.1	<11.1	ug/kg dry	
Aroclor-1221	11104-28-2	4.46	11.1	<11.1	ug/kg dry	
Aroclor-1232	11141-16-5	4.46	11.1	<11.1	ug/kg dry	
Aroclor-1242	53469-21-9	4.46	11.1	<11.1	ug/kg dry	
Aroclor-1248	12672-29-6	4.46	11.1	<11.1	ug/kg dry	
Aroclor-1254	11097-69-1	4.46	11.1	<11.1	ug/kg dry	
Aroclor-1262	37324-23-5	4.46	11.1	<11.1	ug/kg dry	
Aroclor-1268	11100-14-4	4.46	11.1	<11.1	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Tetrachloro-m-xylene	877-09-8	84	70-130	
Decachlorobiphenyl	2051-24-3	82	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	135	50-200	

Date Prepared: 10/08/2014

Date Analyzed: 10/09/2014

Preparation Method: EPA 3545 A

Analytical Method: EPA 8082 A

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 12:25	Sample ID: B-8 10'-12'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-09 % Solid:89.71
Matrix: Soil	ELAP: #11693

Total Metals Analysis

Parameter	Date Analyzed	Method	MDL	LOQ	Result	Units	Flag
Aluminum	10/09/2014	EPA 6010 C	0.70	10.9	6320	mg/kg dry	
Antimony	10/09/2014	EPA 6010 C	0.75	1.83	<1.83	mg/kg dry	
Arsenic	10/09/2014	EPA 6010 C	0.19	1.83	2.12	mg/kg dry	
Barium	10/09/2014	EPA 6010 C	0.34	1.83	41.2	mg/kg dry	
Beryllium	10/09/2014	EPA 6010 C	0.19	1.83	<1.83	mg/kg dry	
Cadmium	10/09/2014	EPA 6010 C	0.19	1.80	<1.80	mg/kg dry	
Calcium	10/09/2014	EPA 6010 C	0.571	10.9	1410	mg/kg dry	
Chromium	10/09/2014	EPA 6010 C	0.18	1.83	19.9	mg/kg dry	
Cobalt	10/09/2014	EPA 6010 C	0.178	1.83	9.37	mg/kg dry	
Copper	10/09/2014	EPA 6010 C	0.16	1.83	16.1	mg/kg dry	
Iron	10/09/2014	EPA 6010 C	7.19	54.6	33400	mg/kg dry	3.E
Lead	10/09/2014	EPA 6010 C	0.18	1.83	8.21	mg/kg dry	
Magnesium	10/09/2014	EPA 6010 C	0.710	5.46	2350	mg/kg dry	
Manganese	10/09/2014	EPA 6010 C	2.49	18.3	504	mg/kg dry	3.E
Nickel	10/09/2014	EPA 6010 C	0.21	1.83	13.3	mg/kg dry	
Potassium	10/09/2014	EPA 6010 C	1.74	10.9	1380	mg/kg dry	
Selenium	10/09/2014	EPA 6010 C	0.62	1.83	<1.83	mg/kg dry	
Silver	10/09/2014	EPA 6010 C	0.15	1.83	<1.83	mg/kg dry	
Sodium	10/09/2014	EPA 6010 C	0.903	5.46	117	mg/kg dry	
Thallium	10/09/2014	EPA 6010 C	1.25	1.83	<1.83	mg/kg dry	
Vanadium	10/09/2014	EPA 6010 C	0.21	1.83	31.8	mg/kg dry	
Zinc	10/09/2014	EPA 6010 C	0.47	1.83	53.8	mg/kg dry	

Date Prepared: 10/09/2014 Preparation Method: EPA 3050B

Parameter	Date Analyzed	Method	MDL	LOQ	Result	Units	Flag
Mercury	10/10/2014	EPA 7471 B	0.002	0.02	<0.02	mg/kg dry	

Date Prepared: 10/09/2014 Preparation Method: EPA 7471 B

Parameter	Date Analyzed	Method	MDL	LOQ	Result	Units	Flag
Cyanide	10/13/2014	EPA 9014	0.01	0.11	<0.11	mg/kg dry	

Date Prepared: 10/09/2014 Preparation Method: Distillation Prep

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 12:44	Sample ID: B-4 0'-2'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-10 % Solid:90.35
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Dichlorodifluoromethane	75-71-8	0.604	5.53	<5.53	ug/kg dry	4.J, 5.L
Chlorodifluoromethane	75-45-6	0.645	5.53	<5.53	ug/kg dry	2.B, 5.L
Chloromethane	74-87-3	0.707	5.53	<5.53	ug/kg dry	5.L
Vinyl chloride	75-01-4	0.421	5.53	<5.53	ug/kg dry	5.L
Bromomethane	74-83-9	1.84	5.53	<5.53	ug/kg dry	5.L
Chloroethane	75-00-3	0.377	5.53	<5.53	ug/kg dry	5.L
Trichlorofluoromethane	75-69-4	0.573	5.53	<5.53	ug/kg dry	5.L
Acetone	67-64-1	6.45	55.3	189	ug/kg dry	5.L
1,1-Dichloroethylene	75-35-4	0.490	5.53	<5.53	ug/kg dry	5.L
tert-Butyl alcohol	75-65-0	1.91	5.53	<5.53	ug/kg dry	5.L
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	0.473	5.53	<5.53	ug/kg dry	5.L
Acrylonitrile	107-13-1	0.704	5.53	<5.53	ug/kg dry	5.L
Methylene Chloride	75-09-2	1.24	5.53	9.96	ug/kg dry	5.L
Carbon disulfide	75-15-0	0.392	5.53	<5.53	ug/kg dry	5.L
Methyl-tert-Butyl Ether	1634-04-4	0.425	5.53	<5.53	ug/kg dry	5.L
trans-1,2-Dichloroethylene	156-60-5	0.511	5.53	<5.53	ug/kg dry	5.L
1,1-Dichloroethane	75-34-3	0.605	5.53	<5.53	ug/kg dry	5.L
Methyl Ethyl Ketone (2-Butanone)	78-93-3	1.66	11.1	<11.1	ug/kg dry	4.J, 5.L
cis-1,2-Dichloroethylene	156-59-2	0.470	5.53	<5.53	ug/kg dry	5.L
2,2-Dichloropropane	594-20-7	0.350	5.53	<5.53	ug/kg dry	5.L
Bromochloromethane	74-97-5	0.655	5.53	<5.53	ug/kg dry	5.L
Chloroform	67-66-3	0.588	5.53	<5.53	ug/kg dry	5.L
1,1,1-Trichloroethane	71-55-6	0.408	5.53	<5.53	ug/kg dry	5.L
1,2-Dichloroethane	107-06-2	0.540	5.53	<5.53	ug/kg dry	5.L
1,1-Dichloropropylene	563-58-6	0.522	5.53	<5.53	ug/kg dry	5.L
Carbon Tetrachloride	56-23-5	0.530	5.53	<5.53	ug/kg dry	5.L
Benzene	71-43-2	0.400	5.53	<5.53	ug/kg dry	5.L
Trichloroethylene	79-01-6	0.604	5.53	<5.53	ug/kg dry	5.L
1,2-Dichloropropane	78-87-5	0.574	5.53	<5.53	ug/kg dry	5.L
Dibromomethane	74-95-3	0.450	5.53	<5.53	ug/kg dry	4.J, 5.L

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 12:44	Sample ID: B-4 0'-2'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-10 % Solid:90.35
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
1,4-Dioxane	123-91-1	25.5	55.3	<55.3	ug/kg dry	5.L
Bromodichloromethane	75-27-4	0.476	5.53	<5.53	ug/kg dry	5.L
4-Methyl-2-Pentanone	108-10-1	0.634	11.1	<11.1	ug/kg dry	4.J, 5.L
cis-1,3-Dichloropropylene	10061-01-5	0.475	5.53	<5.53	ug/kg dry	5.L
Toluene	108-88-3	0.433	5.53	<5.53	ug/kg dry	5.L
trans-1,3-Dichloropropylene	10061-02-6	0.370	5.53	<5.53	ug/kg dry	5.L
1,1,2-Trichloroethane	79-00-5	0.510	5.53	<5.53	ug/kg dry	5.L
Methyl Butyl Ketone (2-Hexanone)	591-78-6	0.774	5.53	<5.53	ug/kg dry	4.J, 5.L
1,3-Dichloropropane	142-28-9	0.406	5.53	<5.53	ug/kg dry	5.L
Dibromochloromethane	124-48-1	0.362	5.53	<5.53	ug/kg dry	5.L
Tetrachloroethylene	127-18-4	0.520	5.53	<5.53	ug/kg dry	5.L
1,2-Dibromoethane	106-93-4	0.469	5.53	<5.53	ug/kg dry	5.L
Chlorobenzene	108-90-7	0.470	5.53	<5.53	ug/kg dry	5.L
1,1,1,2-Tetrachloroethane	630-20-6	0.743	5.53	<5.53	ug/kg dry	5.L
Ethylbenzene	100-41-4	0.398	5.53	<5.53	ug/kg dry	5.L
m,p-Xylenes	108-38-3/106-42-3	0.610	11.1	<11.1	ug/kg dry	5.L
Styrene	100-42-5	0.283	5.53	<5.53	ug/kg dry	5.L
o-Xylene	95-47-6	0.278	5.53	<5.53	ug/kg dry	5.L
Bromoform	75-25-2	0.397	5.53	<5.53	ug/kg dry	5.L
1,1,2,2-Tetrachloroethane	79-34-5	0.390	5.53	<5.53	ug/kg dry	5.L
Isopropylbenzene (Cumene)	98-82-8	0.278	5.53	<5.53	ug/kg dry	5.L
1,2,3-Trichloropropane	96-18-4	0.612	5.53	<5.53	ug/kg dry	5.L
Bromobenzene	108-86-1	0.367	5.53	<5.53	ug/kg dry	5.L
n-Propylbenzene	103-65-1	0.385	5.53	<5.53	ug/kg dry	5.L
2-Chlorotoluene	95-49-8	0.428	5.53	<5.53	ug/kg dry	5.L
4-Ethyltoluene	622-96-8	0.405	5.53	<5.53	ug/kg dry	2.B, 5.L
4-Chlorotoluene	106-43-4	0.339	5.53	<5.53	ug/kg dry	5.L
1,3,5-Trimethylbenzene	108-67-8	0.352	5.53	<5.53	ug/kg dry	5.L
tert-Butylbenzene	98-06-6	0.503	5.53	<5.53	ug/kg dry	5.L

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 12:44	Sample ID: B-4 0'-2'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-10 % Solid:90.35
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
1,2,4-Trimethylbenzene	95-63-6	0.386	5.53	<5.53	ug/kg dry	5.L
sec-Butylbenzene	135-98-8	0.344	5.53	<5.53	ug/kg dry	5.L
1,3-Dichlorobenzene	541-73-1	3.14	55.3	<55.3	ug/kg dry	3.A, 5.L
4-Isopropyltoluene	99-87-6	4.37	55.3	<55.3	ug/kg dry	3.A, 5.L
1,4-Dichlorobenzene	106-46-7	4.50	55.3	<55.3	ug/kg dry	3.A, 5.L
1,2-Dichlorobenzene	95-50-1	4.78	55.3	<55.3	ug/kg dry	3.A, 5.L
1,4-Diethylbenzene	105-05-5	2.83	55.3	<55.3	ug/kg dry	3.A, 5.L, 2.B
n-Butylbenzene	104-51-8	3.34	55.3	<55.3	ug/kg dry	3.A, 5.L
1,2-Dibromo-3-chloropropane	96-12-8	6.81	55.3	<55.3	ug/kg dry	3.A, 5.L
1,2,4,5-Tetramethylbenzene	95-93-2	2.90	55.3	<55.3	ug/kg dry	5.L, 2.B, 3.A
1,2,4-Trichlorobenzene	120-82-1	3.41	55.3	<55.3	ug/kg dry	3.A, 5.L
Naphthalene	91-20-3	6.53	55.3	<55.3	ug/kg dry	3.A, 5.L
Hexachlorobutadiene	87-68-3	3.21	55.3	<55.3	ug/kg dry	3.A, 5.L
1,2,3-Trichlorobenzene	87-61-6	6.18	55.3	<55.3	ug/kg dry	3.A, 5.L

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Dibromofluoromethane	1868-53-7	118	70-130	
1,2-Dichloroethane-d4	10706-07-0	115	70-130	
Toluene-d8	2037-26-5	117	70-130	
4-Bromofluorobenzene	460-00-4	113	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
Pentafluorobenzene	363-72-4	72	50-200	
1,4-Difluorobenzene	540-36-3	71	50-200	
Chlorobenzene-d5	3114-55-4	61	50-200	
1,4-Dichlorobenzene-d4	3855-82-1	105	50-200	

Date Prepared: 10/09/2014

Date Analyzed: 10/10/2014

Preparation Method: EPA 5035A-L

Analytical Method: EPA 8260 C

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 12:44	Sample ID: B-4 0'-2'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-10 % Solid:90.35
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Pyridine	110-86-1	18.8	149	<149	ug/kg dry	4.N
N-Nitrosodimethylamine	62-75-9	31.0	44.3	<44.3	ug/kg dry	
Phenol	108-95-2	17.7	44.3	<44.3	ug/kg dry	
Aniline	62-53-3	15.5	44.3	<44.3	ug/kg dry	
2-Chlorophenol	95-57-8	19.9	44.3	<44.3	ug/kg dry	
Bis(2-Chloroethyl)ether	111-44-4	28.8	44.3	<44.3	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	17.7	44.3	<44.3	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	21.0	44.3	<44.3	ug/kg dry	
Benzyl alcohol	100-51-6	16.6	44.3	<44.3	ug/kg dry	
1,2-Dichlorobenzene	95-50-1	17.7	44.3	<44.3	ug/kg dry	
2-Methylphenol	95-48-7	25.5	44.3	<44.3	ug/kg dry	
Bis(2-chloroisopropyl)ether	39638-32-9	27.7	44.3	<44.3	ug/kg dry	
Hexachloroethane	67-72-1	22.1	44.3	<44.3	ug/kg dry	
3/4-Methylphenol	108-39-4/106-44-5	19.9	44.3	<44.3	ug/kg dry	
N-Nitroso-di-n-propylamine	621-64-7	16.6	44.3	<44.3	ug/kg dry	
Nitrobenzene	98-95-3	19.9	44.3	<44.3	ug/kg dry	
Isophorone	78-59-1	15.5	44.3	<44.3	ug/kg dry	
2-Nitrophenol	88-75-5	31.0	44.3	<44.3	ug/kg dry	
2,4-Dimethylphenol	105-67-9	32.1	44.3	<44.3	ug/kg dry	
Benzoic Acid	65-85-0	26.6	44.3	<44.3	ug/kg dry	4.N
bis(2-Chloroethoxy)methane	111-91-1	22.1	44.3	<44.3	ug/kg dry	
2,4-Dichlorophenol	120-83-2	15.5	44.3	<44.3	ug/kg dry	
1,2,4-Trichlorobenzene	120-82-1	22.1	44.3	<44.3	ug/kg dry	
Naphthalene	91-20-3	17.7	44.3	<44.3	ug/kg dry	
4-Chloroaniline	106-47-8	15.5	44.3	<44.3	ug/kg dry	
Hexachlorobutadiene	87-68-3	31.0	44.3	<44.3	ug/kg dry	
4-Chloro-3-methylphenol	59-50-7	34.3	44.3	<44.3	ug/kg dry	
2-Methylnaphthalene	91-57-6	23.2	44.3	<44.3	ug/kg dry	
Hexachlorocyclopentadiene	77-47-4	19.9	44.3	<44.3	ug/kg dry	
2,4,6-Trichlorophenol	88-06-2	19.9	44.3	<44.3	ug/kg dry	

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 12:44	Sample ID: B-4 0'-2'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-10 % Solid:90.35
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
2,4,5-Trichlorophenol	95-95-4	27.7	44.3	<44.3	ug/kg dry	
2-Chloronaphthalene	91-58-7	15.5	44.3	<44.3	ug/kg dry	
2-Nitroaniline	88-74-4	37.6	44.3	<44.3	ug/kg dry	
Dimethyl phthalate	131-11-3	18.8	44.3	<44.3	ug/kg dry	
Acenaphthylene	208-96-8	24.4	44.3	<44.3	ug/kg dry	
2,6-Dinitrotoluene	606-20-2	23.2	44.3	<44.3	ug/kg dry	
3-Nitroaniline	99-09-2	35.4	44.3	<44.3	ug/kg dry	
Acenaphthene	83-32-9	25.5	44.3	64.9	ug/kg dry	
2,4-Dinitrophenol	51-28-5	15.5	149	<149	ug/kg dry	4.N
Dibenzofuran	132-64-9	21.0	44.3	<44.3	ug/kg dry	
4-Nitrophenol	100-02-7	17.7	149	<149	ug/kg dry	
2,4-Dinitrotoluene	121-14-2	15.5	44.3	<44.3	ug/kg dry	
Fluorene	86-73-7	24.4	44.3	56.8	ug/kg dry	
Diethyl phthalate	84-66-2	22.1	44.3	<44.3	ug/kg dry	
4-Chlorophenyl phenyl ether	7005-72-3	21.0	44.3	<44.3	ug/kg dry	
4-Nitroaniline	100-01-6	22.1	44.3	<44.3	ug/kg dry	
4,6-Dinitro-2-methylphenol	534-52-1	19.9	149	<149	ug/kg dry	
N-Nitrosodiphenylamine	86-30-6	19.9	44.3	<44.3	ug/kg dry	
4-Bromophenyl phenyl ether	101-55-3	19.9	44.3	<44.3	ug/kg dry	
Hexachlorobenzene	118-74-1	22.1	44.3	<44.3	ug/kg dry	
Pentachlorophenol	87-86-5	18.8	44.3	<44.3	ug/kg dry	
Phenanthrene	85-01-8	24.4	44.3	606	ug/kg dry	
Anthracene	120-12-7	19.9	44.3	141	ug/kg dry	
Carbazole	86-74-8	18.8	44.3	76.0	ug/kg dry	
Di-n-butyl phthalate	84-74-2	24.4	44.3	<44.3	ug/kg dry	
Parathion (ethyl)	56-38-2	57.6	66.4	<66.4	ug/kg dry	
Fluoranthene	206-44-0	22.1	44.3	932	ug/kg dry	
Pyrene	129-00-0	23.2	44.3	814	ug/kg dry	
Butyl benzyl phthalate	85-68-7	21.0	44.3	<44.3	ug/kg dry	

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 12:44	Sample ID: B-4 0'-2'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-10 % Solid:90.35
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Benzo(a)anthracene	56-55-3	26.6	44.3	497	ug/kg dry	
Chrysene	218-01-9	23.2	44.3	463	ug/kg dry	
3,3'-Dichlorobenzidine	91-94-1	15.5	44.3	<44.3	ug/kg dry	
Bis(2-Ethylhexyl)phthalate	117-81-7	23.2	44.3	106	ug/kg dry	
Di-n-octyl phthalate	117-84-0	15.5	44.3	<44.3	ug/kg dry	
Benzo(b)fluoranthene	205-99-2	19.9	44.3	615	ug/kg dry	
Benzo(k)fluoranthene	207-08-9	25.5	44.3	286	ug/kg dry	
Benzo(a)pyrene	50-32-8	23.2	44.3	461	ug/kg dry	
Indeno(1,2,3-cd)pyrene	193-39-5	29.9	44.3	400	ug/kg dry	
Dibenzo(a,h)anthracene	53-70-3	28.8	44.3	67.9	ug/kg dry	
Benzo(g,h,i)perylene	191-24-2	25.5	44.3	314	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2-Fluorophenol	367-12-4	29	25-121	
Phenol-d6	13127-88-3	47	24-113	
Nitrobenzene-d5	4165-60-0	30	23-120	
2-Fluorobiphenyl	321-60-8	57	30-115	
2,4,6-Tribromophenol	118-79-6	91	19-122	
Terphenyl-d14	1718-51-0	72	18-137	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	100	50-200	
Naphthalene-d8	1146-65-2	106	50-200	
Acenaphthene-d10	15067-26-2	105	50-200	
Phenanthrene-d10	1517-22-2	103	50-200	
Chrysene-d12	1719-03-5	107	50-200	
Perylene-d12	1520-96-3	110	50-200	

Date Prepared: 10/09/2014

Preparation Method: EPA 3545 A

Date Analyzed: 10/10/2014

Analytical Method: EPA 8270 D

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 12:44	Sample ID: B-4 0'-2'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-10 % Solid:90.35
Matrix: Soil	ELAP: #11693

Pesticides Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
alpha-BHC	319-84-6	0.269	5.53	<5.53	ug/kg dry	
gamma-BHC	58-89-9	0.275	5.53	<5.53	ug/kg dry	
beta-BHC	319-85-7	0.464	5.53	<5.53	ug/kg dry	
delta-BHC	319-86-8	0.335	5.53	<5.53	ug/kg dry	
Heptachlor	76-44-8	0.304	5.53	<5.53	ug/kg dry	
Aldrin	309-00-2	0.425	5.53	<5.53	ug/kg dry	
Heptachlor Epoxide	1024-57-3	0.491	5.53	<5.53	ug/kg dry	
trans-Chlordane	5103-74-2	0.701	5.53	<5.53	ug/kg dry	
cis-Chlordane	5103-71-9	0.468	5.53	<5.53	ug/kg dry	
4,4'-DDE	72-55-9	0.283	3.32	<3.32	ug/kg dry	
Endosulfan I	959-98-8	0.535	5.53	<5.53	ug/kg dry	
Dieldrin	60-57-1	0.442	5.53	<5.53	ug/kg dry	
Endrin	72-20-8	0.507	5.53	<5.53	ug/kg dry	
4,4'-DDD	72-54-8	0.504	3.32	<3.32	ug/kg dry	
Endosulfan II	33213-65-9	0.942	5.53	<5.53	ug/kg dry	
4,4'-DDT	50-29-3	0.732	3.32	<3.32	ug/kg dry	4.M
Endrin Aldehyde	7421-93-4	0.779	5.53	<5.53	ug/kg dry	
Methoxychlor	72-43-5	1.21	5.53	<5.53	ug/kg dry	
Endosulfan Sulfate	1031-07-8	1.30	5.53	<5.53	ug/kg dry	
Endrin Ketone	53494-70-5	1.12	5.53	<5.53	ug/kg dry	
Toxaphene	8001-35-2	7.62	111	<111	ug/kg dry	
Chlordane	12789-03-6	1.50	16.6	<16.6	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Tetrachloro-m-xylene	877-09-8	107	70-130	
Decachlorobiphenyl	2051-24-3	108	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	88	50-200	

Date Prepared: 10/08/2014

Date Analyzed: 10/11/2014

Preparation Method: EPA 3545 A

Analytical Method: EPA 8081B

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 12:44	Sample ID: B-4 0'-2'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-10 % Solid:90.35
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	6.61	11.1	<11.1	ug/kg dry	
Aroclor-1260	11096-82-5	4.05	11.1	<11.1	ug/kg dry	
Aroclor-1221	11104-28-2	4.43	11.1	<11.1	ug/kg dry	
Aroclor-1232	11141-16-5	4.43	11.1	<11.1	ug/kg dry	
Aroclor-1242	53469-21-9	4.43	11.1	<11.1	ug/kg dry	
Aroclor-1248	12672-29-6	4.43	11.1	<11.1	ug/kg dry	
Aroclor-1254	11097-69-1	4.43	11.1	<11.1	ug/kg dry	
Aroclor-1262	37324-23-5	4.43	11.1	<11.1	ug/kg dry	
Aroclor-1268	11100-14-4	4.43	11.1	<11.1	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Tetrachloro-m-xylene	877-09-8	91	70-130	
Decachlorobiphenyl	2051-24-3	88	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	126	50-200	

Date Prepared: 10/08/2014

Date Analyzed: 10/09/2014

Preparation Method: EPA 3545 A

Analytical Method: EPA 8082 A

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 12:44	Sample ID: B-4 0'-2'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-10 % Solid:90.35
Matrix: Soil	ELAP: #11693

Total Metals Analysis

Parameter	Date Analyzed	Method	MDL	LOQ	Result	Units	Flag
Aluminum	10/09/2014	EPA 6010 C	0.68	10.6	7250	mg/kg dry	
Antimony	10/09/2014	EPA 6010 C	0.73	1.78	<1.78	mg/kg dry	
Arsenic	10/09/2014	EPA 6010 C	0.19	1.78	4.64	mg/kg dry	
Barium	10/09/2014	EPA 6010 C	0.33	1.78	85.3	mg/kg dry	
Beryllium	10/09/2014	EPA 6010 C	0.19	1.78	<1.78	mg/kg dry	
Cadmium	10/09/2014	EPA 6010 C	0.18	1.76	<1.76	mg/kg dry	
Calcium	10/09/2014	EPA 6010 C	0.556	10.6	5690	mg/kg dry	
Chromium	10/09/2014	EPA 6010 C	0.18	1.78	11.2	mg/kg dry	
Cobalt	10/09/2014	EPA 6010 C	0.173	1.78	6.02	mg/kg dry	
Copper	10/09/2014	EPA 6010 C	0.16	1.78	19.5	mg/kg dry	
Iron	10/09/2014	EPA 6010 C	7.00	53.2	14100	mg/kg dry	3.E
Lead	10/09/2014	EPA 6010 C	0.17	1.78	76.9	mg/kg dry	
Magnesium	10/09/2014	EPA 6010 C	0.692	5.32	2050	mg/kg dry	
Manganese	10/09/2014	EPA 6010 C	0.24	1.78	219	mg/kg dry	
Nickel	10/09/2014	EPA 6010 C	0.20	1.78	18.2	mg/kg dry	
Potassium	10/09/2014	EPA 6010 C	1.70	10.6	777	mg/kg dry	
Selenium	10/09/2014	EPA 6010 C	0.60	1.78	<1.78	mg/kg dry	
Silver	10/09/2014	EPA 6010 C	0.15	1.78	<1.78	mg/kg dry	
Sodium	10/09/2014	EPA 6010 C	0.880	5.32	245	mg/kg dry	
Thallium	10/09/2014	EPA 6010 C	1.22	1.78	<1.78	mg/kg dry	
Vanadium	10/09/2014	EPA 6010 C	0.21	1.78	17.4	mg/kg dry	
Zinc	10/09/2014	EPA 6010 C	0.46	1.78	63.7	mg/kg dry	

Date Prepared: 10/09/2014 Preparation Method: EPA 3050B

Parameter	Date Analyzed	Method	MDL	LOQ	Result	Units	Flag
Mercury	10/10/2014	EPA 7471 B	0.002	0.02	0.11	mg/kg dry	

Date Prepared: 10/09/2014 Preparation Method: EPA 7471 B

Parameter	Date Analyzed	Method	MDL	LOQ	Result	Units	Flag
Cyanide	10/13/2014	EPA 9014	0.01	0.11	<0.11	mg/kg dry	

Date Prepared: 10/09/2014 Preparation Method: Distillation Prep

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 13:55	Sample ID: B-4 10'-12'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-11 % Solid:88.12
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Dichlorodifluoromethane	75-71-8	0.620	5.67	<5.67	ug/kg dry	4.J, 5.L
Chlorodifluoromethane	75-45-6	0.662	5.67	<5.67	ug/kg dry	2.B, 5.L
Chloromethane	74-87-3	0.725	5.67	<5.67	ug/kg dry	5.L
Vinyl chloride	75-01-4	0.431	5.67	<5.67	ug/kg dry	5.L
Bromomethane	74-83-9	1.88	5.67	<5.67	ug/kg dry	5.L
Chloroethane	75-00-3	0.387	5.67	<5.67	ug/kg dry	5.L
Trichlorofluoromethane	75-69-4	0.588	5.67	<5.67	ug/kg dry	5.L
Acetone	67-64-1	6.61	56.7	<56.7	ug/kg dry	5.L
1,1-Dichloroethylene	75-35-4	0.503	5.67	<5.67	ug/kg dry	5.L
tert-Butyl alcohol	75-65-0	1.96	5.67	<5.67	ug/kg dry	5.L
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	0.485	5.67	<5.67	ug/kg dry	5.L
Acrylonitrile	107-13-1	0.722	5.67	<5.67	ug/kg dry	5.L
Methylene Chloride	75-09-2	1.27	5.67	7.63	ug/kg dry	5.L
Carbon disulfide	75-15-0	0.402	5.67	<5.67	ug/kg dry	5.L
Methyl-tert-Butyl Ether	1634-04-4	0.436	5.67	<5.67	ug/kg dry	5.L
trans-1,2-Dichloroethylene	156-60-5	0.524	5.67	<5.67	ug/kg dry	5.L
1,1-Dichloroethane	75-34-3	0.621	5.67	<5.67	ug/kg dry	5.L
Methyl Ethyl Ketone (2-Butanone)	78-93-3	1.71	11.3	<11.3	ug/kg dry	4.J, 5.L
cis-1,2-Dichloroethylene	156-59-2	0.482	5.67	<5.67	ug/kg dry	5.L
2,2-Dichloropropane	594-20-7	0.359	5.67	<5.67	ug/kg dry	5.L
Bromochloromethane	74-97-5	0.672	5.67	<5.67	ug/kg dry	5.L
Chloroform	67-66-3	0.603	5.67	<5.67	ug/kg dry	5.L
1,1,1-Trichloroethane	71-55-6	0.419	5.67	<5.67	ug/kg dry	5.L
1,2-Dichloroethane	107-06-2	0.554	5.67	<5.67	ug/kg dry	5.L
1,1-Dichloropropylene	563-58-6	0.536	5.67	<5.67	ug/kg dry	5.L
Carbon Tetrachloride	56-23-5	0.544	5.67	<5.67	ug/kg dry	5.L
Benzene	71-43-2	0.410	5.67	<5.67	ug/kg dry	5.L
Trichloroethylene	79-01-6	0.620	5.67	<5.67	ug/kg dry	5.L
1,2-Dichloropropane	78-87-5	0.589	5.67	<5.67	ug/kg dry	5.L
Dibromomethane	74-95-3	0.462	5.67	<5.67	ug/kg dry	4.J, 5.L

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 13:55	Sample ID: B-4 10'-12'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-11 % Solid:88.12
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
1,4-Dioxane	123-91-1	26.2	56.7	<56.7	ug/kg dry	5.L
Bromodichloromethane	75-27-4	0.488	5.67	<5.67	ug/kg dry	5.L
4-Methyl-2-Pentanone	108-10-1	0.650	11.3	<11.3	ug/kg dry	4.J, 5.L
cis-1,3-Dichloropropylene	10061-01-5	0.487	5.67	<5.67	ug/kg dry	5.L
Toluene	108-88-3	0.444	5.67	<5.67	ug/kg dry	5.L
trans-1,3-Dichloropropylene	10061-02-6	0.379	5.67	<5.67	ug/kg dry	5.L
1,1,2-Trichloroethane	79-00-5	0.523	5.67	<5.67	ug/kg dry	5.L
Methyl Butyl Ketone (2-Hexanone)	591-78-6	0.793	5.67	<5.67	ug/kg dry	4.J, 5.L
1,3-Dichloropropane	142-28-9	0.416	5.67	<5.67	ug/kg dry	5.L
Dibromochloromethane	124-48-1	0.371	5.67	<5.67	ug/kg dry	5.L
Tetrachloroethylene	127-18-4	0.533	5.67	<5.67	ug/kg dry	5.L
1,2-Dibromoethane	106-93-4	0.481	5.67	<5.67	ug/kg dry	5.L
Chlorobenzene	108-90-7	0.482	5.67	<5.67	ug/kg dry	5.L
1,1,1,2-Tetrachloroethane	630-20-6	0.761	5.67	<5.67	ug/kg dry	5.L
Ethylbenzene	100-41-4	0.409	5.67	<5.67	ug/kg dry	5.L
m,p-Xylenes	108-38-3/106-42-3	0.625	11.3	<11.3	ug/kg dry	5.L
Styrene	100-42-5	0.291	5.67	<5.67	ug/kg dry	5.L
o-Xylene	95-47-6	0.285	5.67	<5.67	ug/kg dry	5.L
Bromoform	75-25-2	0.407	5.67	<5.67	ug/kg dry	5.L
1,1,2,2-Tetrachloroethane	79-34-5	0.399	5.67	<5.67	ug/kg dry	5.L
Isopropylbenzene (Cumene)	98-82-8	0.285	5.67	<5.67	ug/kg dry	5.L
1,2,3-Trichloropropane	96-18-4	0.628	5.67	<5.67	ug/kg dry	5.L
Bromobenzene	108-86-1	0.377	5.67	<5.67	ug/kg dry	5.L
n-Propylbenzene	103-65-1	0.395	5.67	<5.67	ug/kg dry	5.L
2-Chlorotoluene	95-49-8	0.439	5.67	<5.67	ug/kg dry	5.L
4-Ethyltoluene	622-96-8	0.415	5.67	<5.67	ug/kg dry	2.B, 5.L
4-Chlorotoluene	106-43-4	0.347	5.67	<5.67	ug/kg dry	5.L
1,3,5-Trimethylbenzene	108-67-8	0.361	5.67	<5.67	ug/kg dry	5.L
tert-Butylbenzene	98-06-6	0.515	5.67	<5.67	ug/kg dry	5.L

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 13:55	Sample ID: B-4 10'-12'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-11 % Solid:88.12
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
1,2,4-Trimethylbenzene	95-63-6	0.396	5.67	<5.67	ug/kg dry	5.L
sec-Butylbenzene	135-98-8	0.353	5.67	<5.67	ug/kg dry	5.L
1,3-Dichlorobenzene	541-73-1	0.322	5.67	<5.67	ug/kg dry	5.L
4-Isopropyltoluene	99-87-6	0.448	5.67	<5.67	ug/kg dry	5.L
1,4-Dichlorobenzene	106-46-7	0.462	5.67	<5.67	ug/kg dry	5.L
1,2-Dichlorobenzene	95-50-1	0.490	5.67	<5.67	ug/kg dry	5.L
1,4-Diethylbenzene	105-05-5	0.291	5.67	<5.67	ug/kg dry	2.B, 5.L
n-Butylbenzene	104-51-8	0.343	5.67	<5.67	ug/kg dry	5.L
1,2-Dibromo-3-chloropropane	96-12-8	0.698	5.67	<5.67	ug/kg dry	5.L
1,2,4,5-Tetramethylbenzene	95-93-2	0.297	5.67	<5.67	ug/kg dry	2.B, 5.L
1,2,4-Trichlorobenzene	120-82-1	0.350	5.67	<5.67	ug/kg dry	5.L
Naphthalene	91-20-3	0.670	5.67	<5.67	ug/kg dry	5.L
Hexachlorobutadiene	87-68-3	0.329	5.67	<5.67	ug/kg dry	5.L
1,2,3-Trichlorobenzene	87-61-6	0.633	5.67	<5.67	ug/kg dry	5.L

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Dibromofluoromethane	1868-53-7	127	70-130	
1,2-Dichloroethane-d4	10706-07-0	102	70-130	
Toluene-d8	2037-26-5	100	70-130	
4-Bromofluorobenzene	460-00-4	102	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
Pentafluorobenzene	363-72-4	65	50-200	
1,4-Difluorobenzene	540-36-3	79	50-200	
Chlorobenzene-d5	3114-55-4	79	50-200	
1,4-Dichlorobenzene-d4	3855-82-1	62	50-200	

Date Prepared: 10/09/2014

Date Analyzed: 10/10/2014

Preparation Method: EPA 5035A-L

Analytical Method: EPA 8260 C

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 13:55	Sample ID: B-4 10'-12'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-11 % Solid:88.12
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Pyridine	110-86-1	19.3	153	<153	ug/kg dry	4.N
N-Nitrosodimethylamine	62-75-9	31.8	45.4	<45.4	ug/kg dry	
Phenol	108-95-2	18.2	45.4	<45.4	ug/kg dry	
Aniline	62-53-3	15.9	45.4	<45.4	ug/kg dry	
2-Chlorophenol	95-57-8	20.4	45.4	<45.4	ug/kg dry	
Bis(2-Chloroethyl)ether	111-44-4	29.5	45.4	<45.4	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	18.2	45.4	<45.4	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	21.6	45.4	<45.4	ug/kg dry	
Benzyl alcohol	100-51-6	17.0	45.4	<45.4	ug/kg dry	
1,2-Dichlorobenzene	95-50-1	18.2	45.4	<45.4	ug/kg dry	
2-Methylphenol	95-48-7	26.1	45.4	<45.4	ug/kg dry	
Bis(2-chloroisopropyl)ether	39638-32-9	28.4	45.4	<45.4	ug/kg dry	
Hexachloroethane	67-72-1	22.7	45.4	<45.4	ug/kg dry	
3/4-Methylphenol	108-39-4/106-44-5	20.4	45.4	<45.4	ug/kg dry	
N-Nitroso-di-n-propylamine	621-64-7	17.0	45.4	<45.4	ug/kg dry	
Nitrobenzene	98-95-3	20.4	45.4	<45.4	ug/kg dry	
Isophorone	78-59-1	15.9	45.4	<45.4	ug/kg dry	
2-Nitrophenol	88-75-5	31.8	45.4	<45.4	ug/kg dry	
2,4-Dimethylphenol	105-67-9	32.9	45.4	<45.4	ug/kg dry	
Benzoic Acid	65-85-0	27.2	45.4	<45.4	ug/kg dry	4.N
bis(2-Chloroethoxy)methane	111-91-1	22.7	45.4	<45.4	ug/kg dry	
2,4-Dichlorophenol	120-83-2	15.9	45.4	<45.4	ug/kg dry	
1,2,4-Trichlorobenzene	120-82-1	22.7	45.4	<45.4	ug/kg dry	
Naphthalene	91-20-3	18.2	45.4	<45.4	ug/kg dry	
4-Chloroaniline	106-47-8	15.9	45.4	<45.4	ug/kg dry	
Hexachlorobutadiene	87-68-3	31.8	45.4	<45.4	ug/kg dry	
4-Chloro-3-methylphenol	59-50-7	35.2	45.4	<45.4	ug/kg dry	
2-Methylnaphthalene	91-57-6	23.8	45.4	<45.4	ug/kg dry	
Hexachlorocyclopentadiene	77-47-4	20.4	45.4	<45.4	ug/kg dry	
2,4,6-Trichlorophenol	88-06-2	20.4	45.4	<45.4	ug/kg dry	

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 13:55	Sample ID: B-4 10'-12'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-11 % Solid:88.12
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
2,4,5-Trichlorophenol	95-95-4	28.4	45.4	<45.4	ug/kg dry	
2-Chloronaphthalene	91-58-7	15.9	45.4	<45.4	ug/kg dry	
2-Nitroaniline	88-74-4	38.6	45.4	<45.4	ug/kg dry	
Dimethyl phthalate	131-11-3	19.3	45.4	<45.4	ug/kg dry	
Acenaphthylene	208-96-8	25.0	45.4	<45.4	ug/kg dry	
2,6-Dinitrotoluene	606-20-2	23.8	45.4	<45.4	ug/kg dry	
3-Nitroaniline	99-09-2	36.3	45.4	<45.4	ug/kg dry	
Acenaphthene	83-32-9	26.1	45.4	<45.4	ug/kg dry	
2,4-Dinitrophenol	51-28-5	15.9	153	<153	ug/kg dry	4.N
Dibenzofuran	132-64-9	21.6	45.4	<45.4	ug/kg dry	
4-Nitrophenol	100-02-7	18.2	153	<153	ug/kg dry	
2,4-Dinitrotoluene	121-14-2	15.9	45.4	<45.4	ug/kg dry	
Fluorene	86-73-7	25.0	45.4	<45.4	ug/kg dry	
Diethyl phthalate	84-66-2	22.7	45.4	<45.4	ug/kg dry	
4-Chlorophenyl phenyl ether	7005-72-3	21.6	45.4	<45.4	ug/kg dry	
4-Nitroaniline	100-01-6	22.7	45.4	<45.4	ug/kg dry	
4,6-Dinitro-2-methylphenol	534-52-1	20.4	153	<153	ug/kg dry	
N-Nitrosodiphenylamine	86-30-6	20.4	45.4	<45.4	ug/kg dry	
4-Bromophenyl phenyl ether	101-55-3	20.4	45.4	<45.4	ug/kg dry	
Hexachlorobenzene	118-74-1	22.7	45.4	<45.4	ug/kg dry	
Pentachlorophenol	87-86-5	19.3	45.4	67.3	ug/kg dry	4.K
Phenanthrene	85-01-8	25.0	45.4	<45.4	ug/kg dry	
Anthracene	120-12-7	20.4	45.4	<45.4	ug/kg dry	
Carbazole	86-74-8	19.3	45.4	<45.4	ug/kg dry	
Di-n-butyl phthalate	84-74-2	25.0	45.4	<45.4	ug/kg dry	
Parathion (ethyl)	56-38-2	59.0	68.1	<68.1	ug/kg dry	
Fluoranthene	206-44-0	22.7	45.4	<45.4	ug/kg dry	
Pyrene	129-00-0	23.8	45.4	<45.4	ug/kg dry	
Butyl benzyl phthalate	85-68-7	21.6	45.4	93.8	ug/kg dry	4.K

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 13:55	Sample ID: B-4 10'-12'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-11 % Solid:88.12
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Benzo(a)anthracene	56-55-3	27.2	45.4	<45.4	ug/kg dry	
Chrysene	218-01-9	23.8	45.4	<45.4	ug/kg dry	
3,3'-Dichlorobenzidine	91-94-1	15.9	45.4	<45.4	ug/kg dry	
Bis(2-Ethylhexyl)phthalate	117-81-7	23.8	45.4	132	ug/kg dry	4.K
Di-n-octyl phthalate	117-84-0	15.9	45.4	97.6	ug/kg dry	4.K
Benzo(b)fluoranthene	205-99-2	20.4	45.4	<45.4	ug/kg dry	
Benzo(k)fluoranthene	207-08-9	26.1	45.4	<45.4	ug/kg dry	
Benzo(a)pyrene	50-32-8	23.8	45.4	<45.4	ug/kg dry	
Indeno(1,2,3-cd)pyrene	193-39-5	30.6	45.4	<45.4	ug/kg dry	
Dibenzo(a,h)anthracene	53-70-3	29.5	45.4	<45.4	ug/kg dry	
Benzo(g,h,i)perylene	191-24-2	26.1	45.4	<45.4	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2-Fluorophenol	367-12-4	83	25-121	
Phenol-d6	13127-88-3	83	24-113	
Nitrobenzene-d5	4165-60-0	88	23-120	
2-Fluorobiphenyl	321-60-8	92	30-115	
2,4,6-Tribromophenol	118-79-6	167	19-122	4.L
Terphenyl-d14	1718-51-0	96	18-137	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	89	50-200	
Naphthalene-d8	1146-65-2	89	50-200	
Acenaphthene-d10	15067-26-2	90	50-200	
Phenanthrene-d10	1517-22-2	93	50-200	
Chrysene-d12	1719-03-5	95	50-200	
Perylene-d12	1520-96-3	93	50-200	

Date Prepared: 10/09/2014

Preparation Method: EPA 3545 A

Date Analyzed: 10/14/2014

Analytical Method: EPA 8270 D

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 13:55	Sample ID: B-4 10'-12'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-11 % Solid:88.12
Matrix: Soil	ELAP: #11693

Pesticides Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
alpha-BHC	319-84-6	0.276	5.67	<5.67	ug/kg dry	
gamma-BHC	58-89-9	0.281	5.67	<5.67	ug/kg dry	
beta-BHC	319-85-7	0.475	5.67	<5.67	ug/kg dry	
delta-BHC	319-86-8	0.344	5.67	<5.67	ug/kg dry	
Heptachlor	76-44-8	0.312	5.67	<5.67	ug/kg dry	
Aldrin	309-00-2	0.436	5.67	<5.67	ug/kg dry	
Heptachlor Epoxide	1024-57-3	0.504	5.67	<5.67	ug/kg dry	
trans-Chlordane	5103-74-2	0.718	5.67	<5.67	ug/kg dry	
cis-Chlordane	5103-71-9	0.480	5.67	<5.67	ug/kg dry	
4,4'-DDE	72-55-9	0.291	3.40	<3.40	ug/kg dry	
Endosulfan I	959-98-8	0.548	5.67	<5.67	ug/kg dry	
Dieldrin	60-57-1	0.453	5.67	<5.67	ug/kg dry	
Endrin	72-20-8	0.520	5.67	<5.67	ug/kg dry	
4,4'-DDD	72-54-8	0.516	3.40	<3.40	ug/kg dry	
Endosulfan II	33213-65-9	0.966	5.67	<5.67	ug/kg dry	
4,4'-DDT	50-29-3	0.750	3.40	<3.40	ug/kg dry	4.M
Endrin Aldehyde	7421-93-4	0.799	5.67	<5.67	ug/kg dry	
Methoxychlor	72-43-5	1.24	5.67	<5.67	ug/kg dry	
Endosulfan Sulfate	1031-07-8	1.33	5.67	<5.67	ug/kg dry	
Endrin Ketone	53494-70-5	1.15	5.67	<5.67	ug/kg dry	
Toxaphene	8001-35-2	7.81	113	<113	ug/kg dry	
Chlordane	12789-03-6	1.54	17.0	<17.0	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Tetrachloro-m-xylene	877-09-8	83	70-130	
Decachlorobiphenyl	2051-24-3	80	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	105	50-200	

Date Prepared: 10/08/2014

Date Analyzed: 10/11/2014

Preparation Method: EPA 3545 A

Analytical Method: EPA 8081B

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 13:55	Sample ID: B-4 10'-12'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-11 % Solid:88.12
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	6.78	11.3	<11.3	ug/kg dry	
Aroclor-1260	11096-82-5	4.15	11.3	<11.3	ug/kg dry	
Aroclor-1221	11104-28-2	4.54	11.3	<11.3	ug/kg dry	
Aroclor-1232	11141-16-5	4.54	11.3	<11.3	ug/kg dry	
Aroclor-1242	53469-21-9	4.54	11.3	<11.3	ug/kg dry	
Aroclor-1248	12672-29-6	4.54	11.3	<11.3	ug/kg dry	
Aroclor-1254	11097-69-1	4.54	11.3	<11.3	ug/kg dry	
Aroclor-1262	37324-23-5	4.54	11.3	<11.3	ug/kg dry	
Aroclor-1268	11100-14-4	4.54	11.3	<11.3	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Tetrachloro-m-xylene	877-09-8	74	70-130	
Decachlorobiphenyl	2051-24-3	71	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	147	50-200	

Date Prepared: 10/08/2014

Preparation Method: EPA 3545 A

Date Analyzed: 10/09/2014

Analytical Method: EPA 8082 A

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 13:55	Sample ID: B-4 10'-12'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-11 % Solid:88.12
Matrix: Soil	ELAP: #11693

Total Metals Analysis

Parameter	Date Analyzed	Method	MDL	LOQ	Result	Units	Flag
Aluminum	10/09/2014	EPA 6010 C	0.54	10.0	5160	mg/kg dry	
Antimony	10/09/2014	EPA 6010 C	0.58	1.67	<1.67	mg/kg dry	
Arsenic	10/09/2014	EPA 6010 C	0.15	1.67	1.71	mg/kg dry	
Barium	10/09/2014	EPA 6010 C	0.26	1.41	99.5	mg/kg dry	
Beryllium	10/09/2014	EPA 6010 C	0.15	1.67	<1.67	mg/kg dry	
Cadmium	10/09/2014	EPA 6010 C	0.15	1.65	<1.65	mg/kg dry	
Calcium	10/09/2014	EPA 6010 C	0.440	10.0	998	mg/kg dry	
Chromium	10/09/2014	EPA 6010 C	0.14	1.67	11.1	mg/kg dry	
Cobalt	10/09/2014	EPA 6010 C	0.137	1.67	5.15	mg/kg dry	
Copper	10/09/2014	EPA 6010 C	0.12	1.67	11.5	mg/kg dry	
Iron	10/09/2014	EPA 6010 C	5.54	42.1	20100	mg/kg dry	3.E
Lead	10/09/2014	EPA 6010 C	0.14	1.67	3.93	mg/kg dry	
Magnesium	10/09/2014	EPA 6010 C	0.548	5.00	1720	mg/kg dry	
Manganese	10/09/2014	EPA 6010 C	1.92	14.1	1960	mg/kg dry	3.E
Nickel	10/09/2014	EPA 6010 C	0.16	1.67	11.9	mg/kg dry	
Potassium	10/09/2014	EPA 6010 C	1.35	10.0	993	mg/kg dry	
Selenium	10/09/2014	EPA 6010 C	0.48	1.67	<1.67	mg/kg dry	
Silver	10/09/2014	EPA 6010 C	0.12	1.67	<1.67	mg/kg dry	
Sodium	10/09/2014	EPA 6010 C	0.697	4.21	85.9	mg/kg dry	
Thallium	10/09/2014	EPA 6010 C	0.96	1.67	<1.67	mg/kg dry	
Vanadium	10/09/2014	EPA 6010 C	0.16	1.67	19.1	mg/kg dry	
Zinc	10/09/2014	EPA 6010 C	0.36	1.67	25.7	mg/kg dry	

Date Prepared: 10/09/2014 Preparation Method: EPA 3050B

Parameter	Date Analyzed	Method	MDL	LOQ	Result	Units	Flag
Mercury	10/10/2014	EPA 7471 B	0.002	0.02	<0.02	mg/kg dry	

Date Prepared: 10/09/2014 Preparation Method: EPA 7471 B

Parameter	Date Analyzed	Method	MDL	LOQ	Result	Units	Flag
Cyanide	10/13/2014	EPA 9014	0.01	0.11	<0.11	mg/kg dry	

Date Prepared: 10/09/2014 Preparation Method: Distillation Prep

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 15:12	Sample ID: FB-S
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-12
Matrix: Non-Potable Water	ELAP: #11693

Volatiles Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Dichlorodifluoromethane	75-71-8	0.160	5.00	<5.00	ug/L	
Chlorodifluoromethane	75-45-6	0.160	5.00	<5.00	ug/L	2.B
Chloromethane	74-87-3	0.420	5.00	<5.00	ug/L	
Vinyl chloride	75-01-4	0.190	5.00	<5.00	ug/L	4.M
Bromomethane	74-83-9	0.290	5.00	<5.00	ug/L	
Chloroethane	75-00-3	0.300	5.00	<5.00	ug/L	
Trichlorofluoromethane	75-69-4	0.180	5.00	<5.00	ug/L	
Acrolein	107-02-8	0.770	5.00	<5.00	ug/L	4.M
Acetone	67-64-1	1.04	10.0	25.2	ug/L	
1,1-Dichloroethylene	75-35-4	0.190	5.00	<5.00	ug/L	
tert-Butyl alcohol	75-65-0	0.320	5.00	38.2	ug/L	4.K, 4.M
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	0.300	5.00	<5.00	ug/L	
Methyl Acetate	79-20-9	0.540	5.00	<5.00	ug/L	
Acrylonitrile	107-13-1	0.380	5.00	<5.00	ug/L	
Methylene Chloride	75-09-2	0.230	5.00	<5.00	ug/L	
Carbon disulfide	75-15-0	0.120	5.00	<5.00	ug/L	
Methyl-tert-Butyl Ether	1634-04-4	0.170	5.00	<5.00	ug/L	
trans-1,2-Dichloroethylene	156-60-5	0.120	5.00	<5.00	ug/L	
1,1-Dichloroethane	75-34-3	0.170	5.00	<5.00	ug/L	
Vinyl acetate	108-05-4	0.190	5.00	<5.00	ug/L	4.S
Methyl Ethyl Ketone (2-Butanone)	78-93-3	1.77	10.0	<10.0	ug/L	
cis-1,2-Dichloroethylene	156-59-2	0.190	5.00	<5.00	ug/L	
2,2-Dichloropropane	594-20-7	0.270	5.00	<5.00	ug/L	4.M
Bromochloromethane	74-97-5	0.190	5.00	<5.00	ug/L	
Chloroform	67-66-3	0.180	5.00	<5.00	ug/L	
1,1,1-Trichloroethane	71-55-6	0.200	5.00	<5.00	ug/L	4.M
1,2-Dichloroethane	107-06-2	0.150	5.00	<5.00	ug/L	
1,1-Dichloropropylene	563-58-6	0.270	5.00	<5.00	ug/L	
Carbon Tetrachloride	56-23-5	0.160	5.00	<5.00	ug/L	4.M
Benzene	71-43-2	0.180	0.700	<0.700	ug/L	

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 15:12	Sample ID: FB-S
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-12
Matrix: Non-Potable Water	ELAP: #11693

Volatiles Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Trichloroethylene	79-01-6	0.160	5.00	<5.00	ug/L	
1,2-Dichloropropane	78-87-5	0.100	5.00	<5.00	ug/L	
Dibromomethane	74-95-3	0.240	5.00	<5.00	ug/L	
Bromodichloromethane	75-27-4	0.210	5.00	<5.00	ug/L	
2-Chloroethyl Vinyl Ether	110-75-8	0.350	5.00	<5.00	ug/L	
4-Methyl-2-Pentanone	108-10-1	0.240	5.00	<5.00	ug/L	
cis-1,3-Dichloropropylene	10061-01-5	0.120	5.00	<5.00	ug/L	
Toluene	108-88-3	0.0800	5.00	<5.00	ug/L	
trans-1,3-Dichloropropylene	10061-02-6	0.100	5.00	<5.00	ug/L	
1,1,2-Trichloroethane	79-00-5	0.190	5.00	<5.00	ug/L	
Methyl Butyl Ketone (2-Hexanone)	591-78-6	0.170	10.0	<10.0	ug/L	
1,3-Dichloropropane	142-28-9	0.110	5.00	<5.00	ug/L	
Dibromochloromethane	124-48-1	0.190	5.00	<5.00	ug/L	
Tetrachloroethylene	127-18-4	0.110	5.00	<5.00	ug/L	
1,2-Dibromoethane	106-93-4	0.160	5.00	<5.00	ug/L	
Chlorobenzene	108-90-7	0.0900	5.00	<5.00	ug/L	
1,1,1,2-Tetrachloroethane	630-20-6	0.240	5.00	<5.00	ug/L	
Ethylbenzene	100-41-4	0.0900	5.00	<5.00	ug/L	
m,p-Xylenes	108-38-3/106-42-3	1.08	10.0	<10.0	ug/L	
Styrene	100-42-5	0.390	5.00	<5.00	ug/L	
o-Xylene	95-47-6	0.110	5.00	<5.00	ug/L	
Bromoform	75-25-2	0.440	5.00	<5.00	ug/L	
1,1,2,2-Tetrachloroethane	79-34-5	0.100	5.00	<5.00	ug/L	
Isopropylbenzene (Cumene)	98-82-8	0.0900	5.00	<5.00	ug/L	
1,2,3-Trichloropropane	96-18-4	0.330	5.00	<5.00	ug/L	
Bromobenzene	108-86-1	0.120	5.00	<5.00	ug/L	
n-Propylbenzene	103-65-1	0.0700	5.00	<5.00	ug/L	
2-Chlorotoluene	95-49-8	0.120	5.00	<5.00	ug/L	
4-Ethyltoluene	622-96-8	0.0800	5.00	<5.00	ug/L	2.B

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 15:12	Sample ID: FB-S
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-12
Matrix: Non-Potable Water	ELAP: #11693

Volatiles Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
4-Chlorotoluene	106-43-4	0.430	5.00	<5.00	ug/L	
1,3,5-Trimethylbenzene	108-67-8	0.0800	5.00	<5.00	ug/L	
tert-Butylbenzene	98-06-6	0.130	5.00	<5.00	ug/L	
1,2,4-Trimethylbenzene	95-63-6	0.130	5.00	<5.00	ug/L	
sec-Butylbenzene	135-98-8	0.0800	5.00	<5.00	ug/L	
1,3-Dichlorobenzene	541-73-1	0.140	5.00	<5.00	ug/L	
4-Isopropyltoluene	99-87-6	0.160	5.00	<5.00	ug/L	
1,4-Dichlorobenzene	106-46-7	0.170	5.00	<5.00	ug/L	
1,2-Dichlorobenzene	95-50-1	0.140	5.00	<5.00	ug/L	
1,4-Diethylbenzene	105-05-5	0.130	5.00	<5.00	ug/L	2.B
n-Butylbenzene	104-51-8	0.100	5.00	<5.00	ug/L	
1,2-Dibromo-3-chloropropane	96-12-8	0.400	5.00	<5.00	ug/L	
1,2,4,5-Tetramethylbenzene	95-93-2	0.170	5.00	<5.00	ug/L	2.B
1,2,4-Trichlorobenzene	120-82-1	0.110	5.00	<5.00	ug/L	
Naphthalene	91-20-3	0.210	5.00	<5.00	ug/L	
Hexachlorobutadiene	87-68-3	0.240	5.00	<5.00	ug/L	
1,2,3-Trichlorobenzene	87-61-6	0.250	5.00	<5.00	ug/L	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Dibromofluoromethane	1868-53-7	115	70-130	
1,2-Dichloroethane-d4	10706-07-0	117	70-130	
Toluene-d8	2037-26-5	95	70-130	
4-Bromofluorobenzene	460-00-4	112	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
Pentafluorobenzene	363-72-4	94	50-200	
1,4-Difluorobenzene	540-36-3	90	50-200	
Chlorobenzene-d5	3114-55-4	91	50-200	
1,4-Dichlorobenzene-d4	3855-82-1	83	50-200	

Date Prepared: 10/08/2014

Date Analyzed: 10/08/2014

Preparation Method: EPA 5030 C

Analytical Method: EPA 8260 C

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 15:12	Sample ID: FB-S
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-12
Matrix: Non-Potable Water	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Pyridine	110-86-1	1.30	5.00	<5.00	ug/L	
N-Nitrosodimethylamine	62-75-9	1.40	5.00	<5.00	ug/L	4.G
Phenol	108-95-2	2.10	5.00	<5.00	ug/L	
Aniline	62-53-3	1.50	5.00	<5.00	ug/L	
2-Chlorophenol	95-57-8	1.10	5.00	<5.00	ug/L	
Bis(2-Chloroethyl)ether	111-44-4	1.50	5.00	<5.00	ug/L	
1,3-Dichlorobenzene	541-73-1	1.00	5.00	<5.00	ug/L	
1,4-Dichlorobenzene	106-46-7	1.80	5.00	<5.00	ug/L	
Benzyl alcohol	100-51-6	1.10	5.00	<5.00	ug/L	
1,2-Dichlorobenzene	95-50-1	1.40	5.00	<5.00	ug/L	
2-Methylphenol	95-48-7	1.70	5.00	<5.00	ug/L	
Bis(2-chloroisopropyl)ether	39638-32-9	1.60	5.00	<5.00	ug/L	
Hexachloroethane	67-72-1	1.40	5.00	<5.00	ug/L	
3/4-Methylphenol	108-39-4/106-44-5	2.10	5.00	<5.00	ug/L	
N-Nitroso-di-n-propylamine	621-64-7	2.20	5.00	<5.00	ug/L	
Nitrobenzene	98-95-3	3.30	5.00	<5.00	ug/L	
Isophorone	78-59-1	1.90	5.00	<5.00	ug/L	
2-Nitrophenol	88-75-5	0.800	5.00	<5.00	ug/L	
2,4-Dimethylphenol	105-67-9	1.70	5.00	<5.00	ug/L	
Benzoic Acid	65-85-0	1.20	10.0	<10.0	ug/L	
bis(2-Chloroethoxy)methane	111-91-1	1.10	5.00	<5.00	ug/L	
2,4-Dichlorophenol	120-83-2	1.30	5.00	<5.00	ug/L	
1,2,4-Trichlorobenzene	120-82-1	0.900	5.00	<5.00	ug/L	
Naphthalene	91-20-3	0.800	5.00	<5.00	ug/L	
4-Chloroaniline	106-47-8	1.00	5.00	<5.00	ug/L	
Hexachlorobutadiene	87-68-3	1.30	5.00	<5.00	ug/L	
4-Chloro-3-methylphenol	59-50-7	1.20	5.00	<5.00	ug/L	
2-Methylnaphthalene	91-57-6	1.90	5.00	<5.00	ug/L	
Hexachlorocyclopentadiene	77-47-4	1.00	5.00	<5.00	ug/L	
2,4,6-Trichlorophenol	88-06-2	0.900	5.00	<5.00	ug/L	

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 15:12	Sample ID: FB-S
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-12
Matrix: Non-Potable Water	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
2,4,5-Trichlorophenol	95-95-4	1.90	5.00	<5.00	ug/L	
2-Chloronaphthalene	91-58-7	1.40	5.00	<5.00	ug/L	
2-Nitroaniline	88-74-4	3.00	5.00	<5.00	ug/L	
Dimethyl phthalate	131-11-3	0.800	5.00	<5.00	ug/L	
Acenaphthylene	208-96-8	1.60	5.00	<5.00	ug/L	
2,6-Dinitrotoluene	606-20-2	1.00	5.00	<5.00	ug/L	
3-Nitroaniline	99-09-2	1.10	5.00	<5.00	ug/L	
Acenaphthene	83-32-9	0.900	5.00	<5.00	ug/L	
2,4-Dinitrophenol	51-28-5	1.30	10.0	<10.0	ug/L	4.G, 4.M
Dibenzofuran	132-64-9	1.80	5.00	<5.00	ug/L	
4-Nitrophenol	100-02-7	1.80	5.00	<5.00	ug/L	
2,4-Dinitrotoluene	121-14-2	1.00	5.00	<5.00	ug/L	
Fluorene	86-73-7	1.70	5.00	<5.00	ug/L	
Diethyl phthalate	84-66-2	0.800	5.00	<5.00	ug/L	
4-Chlorophenyl phenyl ether	7005-72-3	1.50	5.00	<5.00	ug/L	
4-Nitroaniline	100-01-6	1.80	5.00	<5.00	ug/L	
4,6-Dinitro-2-methylphenol	534-52-1	1.80	5.00	<5.00	ug/L	4.G, 4.M
N-Nitrosodiphenylamine	86-30-6	1.20	5.00	<5.00	ug/L	
4-Bromophenyl phenyl ether	101-55-3	1.50	5.00	<5.00	ug/L	
Hexachlorobenzene	118-74-1	1.10	5.00	<5.00	ug/L	
Pentachlorophenol	87-86-5	1.50	5.00	<5.00	ug/L	
Phenanthrene	85-01-8	1.30	5.00	<5.00	ug/L	
Anthracene	120-12-7	1.40	5.00	<5.00	ug/L	
Carbazole	86-74-8	0.900	5.00	<5.00	ug/L	
Di-n-butyl phthalate	84-74-2	1.40	5.00	<5.00	ug/L	
Fluoranthene	206-44-0	1.10	5.00	<5.00	ug/L	
Pyrene	129-00-0	1.40	5.00	<5.00	ug/L	
Butyl benzyl phthalate	85-68-7	2.00	5.00	<5.00	ug/L	
Benzo(a)anthracene	56-55-3	1.40	5.00	<5.00	ug/L	

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 15:12	Sample ID: FB-S
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-12
Matrix: Non-Potable Water	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Chrysene	218-01-9	1.30	5.00	<5.00	ug/L	
3,3'-Dichlorobenzidine	91-94-1	1.50	5.00	<5.00	ug/L	
Bis(2-Ethylhexyl)phthalate	117-81-7	1.40	5.00	<5.00	ug/L	
Di-n-octyl phthalate	117-84-0	0.800	5.00	<5.00	ug/L	
Benzo(b)fluoranthene	205-99-2	0.800	5.00	<5.00	ug/L	
Benzo(k)fluoranthene	207-08-9	1.40	5.00	<5.00	ug/L	
Benzo(a)pyrene	50-32-8	1.30	5.00	<5.00	ug/L	
Indeno(1,2,3-cd)pyrene	193-39-5	1.00	5.00	<5.00	ug/L	
Dibenzo(a,h)anthracene	53-70-3	1.20	5.00	<5.00	ug/L	
Benzo(g,h,i)perylene	191-24-2	0.900	5.00	<5.00	ug/L	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2-Fluorophenol	367-12-4	33	21-110	
Phenol-d6	13127-88-3	26	10-110	
Nitrobenzene-d5	4165-60-0	51	35-120	
2-Fluorobiphenyl	321-60-8	39	43-116	4.L
2,4,6-Tribromophenol	118-79-6	58	10-123	
Terphenyl-d14	1718-51-0	58	33-141	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	140	50-200	
Naphthalene-d8	1146-65-2	141	50-200	
Acenaphthene-d10	15067-26-2	140	50-200	
Phenanthrene-d10	1517-22-2	140	50-200	
Chrysene-d12	1719-03-5	154	50-200	
Perylene-d12	1520-96-3	200	50-200	

Date Prepared: 10/09/2014

Date Analyzed: 10/10/2014

Preparation Method: EPA 3510C

Analytical Method: EPA 8270 D

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 15:12	Sample ID: FB-S
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-12
Matrix: Non-Potable Water	ELAP: #11693

Pesticides Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
alpha-BHC	319-84-6	0.04	1.00	<1.00	ug/L	
gamma-BHC	58-89-9	0.04	1.00	<1.00	ug/L	
beta-BHC	319-85-7	0.02	1.00	<1.00	ug/L	
delta-BHC	319-86-8	0.06	1.00	<1.00	ug/L	
Heptachlor	76-44-8	0.05	1.00	<1.00	ug/L	
Aldrin	309-00-2	0.04	1.00	<1.00	ug/L	
Heptachlor Epoxide	1024-57-3	0.04	1.00	<1.00	ug/L	
trans-Chlordane	5103-74-2	0.03	1.00	<1.00	ug/L	
cis-Chlordane	5103-71-9	0.04	1.00	<1.00	ug/L	
4,4'-DDE	72-55-9	0.05	1.00	<1.00	ug/L	
Endosulfan I	959-98-8	0.04	1.00	<1.00	ug/L	
Dieldrin	60-57-1	0.04	1.00	<1.00	ug/L	
Endrin	72-20-8	0.05	1.00	<1.00	ug/L	
4,4'-DDD	72-54-8	0.04	1.00	<1.00	ug/L	
Endosulfan II	33213-65-9	0.05	1.00	<1.00	ug/L	
4,4'-DDT	50-29-3	0.10	1.00	<1.00	ug/L	
Endrin Aldehyde	7421-93-4	0.04	1.00	<1.00	ug/L	
Methoxychlor	72-43-5	0.11	1.00	<1.00	ug/L	
Endosulfan Sulfate	1031-07-8	0.06	1.00	<1.00	ug/L	
Endrin Ketone	53494-70-5	0.05	1.00	<1.00	ug/L	
Toxaphene	8001-35-2	0.06	2.00	<2.00	ug/L	
Chlordane	12789-03-6	0.02	2.00	<2.00	ug/L	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Tetrachloro-m-xylene	877-09-8	91	70-130	
Decachlorobiphenyl	2051-24-3	95	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	115	50-200	

Date Prepared: 10/10/2014

Date Analyzed: 10/10/2014

Preparation Method: EPA 3510C

Analytical Method: EPA 8081B

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 15:12	Sample ID: FB-S
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-12
Matrix: Non-Potable Water	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	0.130	0.500	<0.500	ug/L	
Aroclor-1260	11096-82-5	0.100	0.500	<0.500	ug/L	
Aroclor-1221	11104-28-2	0.0350	0.500	<0.500	ug/L	
Aroclor-1232	11141-16-5	0.0350	0.500	<0.500	ug/L	
Aroclor-1242	53469-21-9	0.0350	0.500	<0.500	ug/L	
Aroclor-1248	12672-29-6	0.0350	0.500	<0.500	ug/L	
Aroclor-1254	11097-69-1	0.0350	0.500	<0.500	ug/L	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Tetrachloro-m-xylene	877-09-8	82	70-130	
Decachlorobiphenyl	2051-24-3	84	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	139	50-200	

Date Prepared: 10/10/2014

Date Analyzed: 10/11/2014

Preparation Method: EPA 608

Analytical Method: EPA 608

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 15:12	Sample ID: FB-S
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-12
Matrix: Non-Potable Water	ELAP: #11693

Total Metals Analysis

Parameter	Date Analyzed	Method	MDL	LOQ	Result	Units	Flag
Aluminum	10/09/2014	EPA 200.7 Rev. 4.4	0.02	0.05	<0.05	mg/L	
Calcium	10/09/2014	EPA 200.7 Rev. 4.4	0.01	0.10	<0.10	mg/L	
Antimony	10/09/2014	EPA 200.7 Rev. 4.4	0.005	0.05	<0.05	mg/L	
Arsenic	10/09/2014	EPA 200.7 Rev. 4.4	0.005	0.05	<0.05	mg/L	
Barium	10/09/2014	EPA 200.7 Rev. 4.4	0.0002	0.05	<0.05	mg/L	
Beryllium	10/09/2014	EPA 200.7 Rev. 4.4	0.00005	0.02	<0.02	mg/L	
Cadmium	10/09/2014	EPA 200.7 Rev. 4.4	0.0002	0.005	<0.005	mg/L	
Chromium	10/09/2014	EPA 200.7 Rev. 4.4	0.01	0.05	<0.05	mg/L	
Cobalt	10/09/2014	EPA 200.7 Rev. 4.4	0.001	0.05	<0.05	mg/L	
Copper	10/09/2014	EPA 200.7 Rev. 4.4	0.006	0.02	<0.02	mg/L	
Iron	10/09/2014	EPA 200.7 Rev. 4.4	0.03	0.05	<0.05	mg/L	
Lead	10/09/2014	EPA 200.7 Rev. 4.4	0.002	0.050	<0.050	mg/L	
Magnesium	10/09/2014	EPA 200.7 Rev. 4.4	0.004	0.10	<0.10	mg/L	
Manganese	10/09/2014	EPA 200.7 Rev. 4.4	0.005	0.01	<0.01	mg/L	
Nickel	10/09/2014	EPA 200.7 Rev. 4.4	0.003	0.05	<0.05	mg/L	
Potassium	10/09/2014	EPA 200.7 Rev. 4.4	0.006	0.25	<0.25	mg/L	
Selenium	10/09/2014	EPA 200.7 Rev. 4.4	0.006	0.02	<0.02	mg/L	
Silver	10/09/2014	EPA 200.7 Rev. 4.4	0.005	0.005	<0.005	mg/L	
Sodium	10/09/2014	EPA 200.7 Rev. 4.4	0.05	0.10	<0.10	mg/L	
Thallium	10/09/2014	EPA 200.7 Rev. 4.4	0.01	0.05	<0.05	mg/L	
Vanadium	10/09/2014	EPA 200.7 Rev. 4.4	0.002	0.05	<0.05	mg/L	
Zinc	10/09/2014	EPA 200.7 Rev. 4.4	0.005	0.05	<0.05	mg/L	

Date Prepared: 10/09/2014 Preparation Method: EPA 200.2

Parameter	Date Analyzed	Method	MDL	LOQ	Result	Units	Flag
Mercury	10/08/2014	EPA 245.1 Rev. 3.0	0.0002	0.002	<0.002	mg/L	4.E

Date Prepared: 10/08/2014 Preparation Method: EPA 245.1

Parameter	Date Analyzed	Method	MDL	LOQ	Result	Units	Flag
Cyanide	10/15/2014	SM 18-21 4500-CN E (99)	0.0004	0.002	<0.002	mg/L	

Date Prepared: 10/14/2014 Preparation Method: Distillation Prep

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 14:53	Sample ID: B-7 0'-2'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-13 % Solid:86.11
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Dichlorodifluoromethane	75-71-8	0.634	5.81	<5.81	ug/kg dry	4.J, 5.L
Chlorodifluoromethane	75-45-6	0.677	5.81	<5.81	ug/kg dry	2.B, 5.L
Chloromethane	74-87-3	0.742	5.81	<5.81	ug/kg dry	5.L
Vinyl chloride	75-01-4	0.441	5.81	<5.81	ug/kg dry	5.L
Bromomethane	74-83-9	1.93	5.81	<5.81	ug/kg dry	5.L
Chloroethane	75-00-3	0.396	5.81	<5.81	ug/kg dry	5.L
Trichlorofluoromethane	75-69-4	0.602	5.81	<5.81	ug/kg dry	5.L
Acetone	67-64-1	6.76	58.1	128	ug/kg dry	5.L
1,1-Dichloroethylene	75-35-4	0.514	5.81	<5.81	ug/kg dry	5.L
tert-Butyl alcohol	75-65-0	2.01	5.81	<5.81	ug/kg dry	5.L
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	0.496	5.81	<5.81	ug/kg dry	5.L
Acrylonitrile	107-13-1	0.739	5.81	<5.81	ug/kg dry	5.L
Methylene Chloride	75-09-2	1.30	5.81	11.6	ug/kg dry	5.L
Carbon disulfide	75-15-0	0.411	5.81	<5.81	ug/kg dry	5.L
Methyl-tert-Butyl Ether	1634-04-4	0.446	5.81	<5.81	ug/kg dry	5.L
trans-1,2-Dichloroethylene	156-60-5	0.536	5.81	<5.81	ug/kg dry	5.L
1,1-Dichloroethane	75-34-3	0.635	5.81	<5.81	ug/kg dry	5.L
Methyl Ethyl Ketone (2-Butanone)	78-93-3	1.75	11.6	<11.6	ug/kg dry	4.J, 5.L
cis-1,2-Dichloroethylene	156-59-2	0.494	5.81	<5.81	ug/kg dry	5.L
2,2-Dichloropropane	594-20-7	0.367	5.81	<5.81	ug/kg dry	5.L
Bromochloromethane	74-97-5	0.687	5.81	<5.81	ug/kg dry	5.L
Chloroform	67-66-3	0.617	5.81	<5.81	ug/kg dry	5.L
1,1,1-Trichloroethane	71-55-6	0.428	5.81	<5.81	ug/kg dry	5.L
1,2-Dichloroethane	107-06-2	0.567	5.81	<5.81	ug/kg dry	5.L
1,1-Dichloropropylene	563-58-6	0.548	5.81	<5.81	ug/kg dry	5.L
Carbon Tetrachloride	56-23-5	0.556	5.81	<5.81	ug/kg dry	5.L
Benzene	71-43-2	0.419	5.81	<5.81	ug/kg dry	5.L
Trichloroethylene	79-01-6	0.634	5.81	<5.81	ug/kg dry	5.L
1,2-Dichloropropane	78-87-5	0.603	5.81	<5.81	ug/kg dry	5.L
Dibromomethane	74-95-3	0.473	5.81	<5.81	ug/kg dry	4.J, 5.L

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 14:53	Sample ID: B-7 0'-2'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-13 % Solid:86.11
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
1,4-Dioxane	123-91-1	26.8	58.1	<58.1	ug/kg dry	5.L
Bromodichloromethane	75-27-4	0.499	5.81	<5.81	ug/kg dry	5.L
4-Methyl-2-Pentanone	108-10-1	0.665	11.6	<11.6	ug/kg dry	4.J, 5.L
cis-1,3-Dichloropropylene	10061-01-5	0.498	5.81	<5.81	ug/kg dry	5.L
Toluene	108-88-3	0.454	5.81	<5.81	ug/kg dry	5.L
trans-1,3-Dichloropropylene	10061-02-6	0.388	5.81	<5.81	ug/kg dry	5.L
1,1,2-Trichloroethane	79-00-5	0.535	5.81	<5.81	ug/kg dry	5.L
Methyl Butyl Ketone (2-Hexanone)	591-78-6	0.812	5.81	<5.81	ug/kg dry	4.J, 5.L
1,3-Dichloropropane	142-28-9	0.426	5.81	<5.81	ug/kg dry	5.L
Dibromochloromethane	124-48-1	0.380	5.81	<5.81	ug/kg dry	5.L
Tetrachloroethylene	127-18-4	0.546	5.81	<5.81	ug/kg dry	5.L
1,2-Dibromoethane	106-93-4	0.492	5.81	<5.81	ug/kg dry	5.L
Chlorobenzene	108-90-7	0.494	5.81	<5.81	ug/kg dry	5.L
1,1,1,2-Tetrachloroethane	630-20-6	0.779	5.81	<5.81	ug/kg dry	5.L
Ethylbenzene	100-41-4	0.418	5.81	<5.81	ug/kg dry	5.L
m,p-Xylenes	108-38-3/106-42-3	0.640	11.6	<11.6	ug/kg dry	5.L
Styrene	100-42-5	0.297	5.81	<5.81	ug/kg dry	5.L
o-Xylene	95-47-6	0.291	5.81	<5.81	ug/kg dry	5.L
Bromoform	75-25-2	0.417	5.81	<5.81	ug/kg dry	5.L
1,1,2,2-Tetrachloroethane	79-34-5	0.409	5.81	<5.81	ug/kg dry	5.L
Isopropylbenzene (Cumene)	98-82-8	0.291	5.81	<5.81	ug/kg dry	5.L
1,2,3-Trichloropropane	96-18-4	0.642	5.81	<5.81	ug/kg dry	5.L
Bromobenzene	108-86-1	0.386	5.81	<5.81	ug/kg dry	5.L
n-Propylbenzene	103-65-1	0.404	5.81	<5.81	ug/kg dry	5.L
2-Chlorotoluene	95-49-8	0.449	5.81	<5.81	ug/kg dry	5.L
4-Ethyltoluene	622-96-8	0.425	5.81	<5.81	ug/kg dry	2.B, 5.L
4-Chlorotoluene	106-43-4	0.355	5.81	<5.81	ug/kg dry	5.L
1,3,5-Trimethylbenzene	108-67-8	0.369	5.81	<5.81	ug/kg dry	5.L
tert-Butylbenzene	98-06-6	0.527	5.81	<5.81	ug/kg dry	5.L

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 14:53	Sample ID: B-7 0'-2'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-13 % Solid:86.11
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
1,2,4-Trimethylbenzene	95-63-6	0.405	5.81	<5.81	ug/kg dry	5.L
sec-Butylbenzene	135-98-8	0.361	5.81	<5.81	ug/kg dry	5.L
1,3-Dichlorobenzene	541-73-1	3.30	58.1	<58.1	ug/kg dry	3.A, 5.L
4-Isopropyltoluene	99-87-6	4.59	58.1	<58.1	ug/kg dry	3.A, 5.L
1,4-Dichlorobenzene	106-46-7	4.73	58.1	<58.1	ug/kg dry	3.A, 5.L
1,2-Dichlorobenzene	95-50-1	5.02	58.1	<58.1	ug/kg dry	3.A, 5.L
1,4-Diethylbenzene	105-05-5	2.97	58.1	<58.1	ug/kg dry	2.B, 3.A, 5.L
n-Butylbenzene	104-51-8	3.51	58.1	<58.1	ug/kg dry	3.A, 5.L
1,2-Dibromo-3-chloropropane	96-12-8	7.14	58.1	<58.1	ug/kg dry	3.A, 5.L
1,2,4,5-Tetramethylbenzene	95-93-2	3.04	58.1	<58.1	ug/kg dry	2.B, 3.A, 5.L
1,2,4-Trichlorobenzene	120-82-1	3.58	58.1	<58.1	ug/kg dry	5.L, 3.A
Naphthalene	91-20-3	6.85	58.1	<58.1	ug/kg dry	3.A, 5.L
Hexachlorobutadiene	87-68-3	3.37	58.1	<58.1	ug/kg dry	3.A, 5.L
1,2,3-Trichlorobenzene	87-61-6	6.48	58.1	<58.1	ug/kg dry	3.A, 5.L

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Dibromofluoromethane	1868-53-7	141	70-130	4.L
1,2-Dichloroethane-d4	10706-07-0	107	70-130	
Toluene-d8	2037-26-5	111	70-130	
4-Bromofluorobenzene	460-00-4	111	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
Pentafluorobenzene	363-72-4	58	50-200	
1,4-Difluorobenzene	540-36-3	69	50-200	
Chlorobenzene-d5	3114-55-4	61	50-200	
1,4-Dichlorobenzene-d4	3855-82-1	86	50-200	

Date Prepared: 10/09/2014

Date Analyzed: 10/10/2014

Preparation Method: EPA 5035A-L

Analytical Method: EPA 8260 C

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 14:53	Sample ID: B-7 0'-2'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-13 % Solid:86.11
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Pyridine	110-86-1	59.2	470	<470	ug/kg dry	3.A, 4.N
N-Nitrosodimethylamine	62-75-9	97.5	139	<139	ug/kg dry	3.A
Phenol	108-95-2	55.7	139	<139	ug/kg dry	3.A
Aniline	62-53-3	48.8	139	<139	ug/kg dry	3.A
2-Chlorophenol	95-57-8	62.7	139	<139	ug/kg dry	3.A
Bis(2-Chloroethyl)ether	111-44-4	90.6	139	<139	ug/kg dry	3.A
1,3-Dichlorobenzene	541-73-1	55.7	139	<139	ug/kg dry	3.A
1,4-Dichlorobenzene	106-46-7	66.2	139	<139	ug/kg dry	3.A
Benzyl alcohol	100-51-6	52.3	139	<139	ug/kg dry	3.A
1,2-Dichlorobenzene	95-50-1	55.7	139	<139	ug/kg dry	3.A
2-Methylphenol	95-48-7	80.1	139	<139	ug/kg dry	3.A
Bis(2-chloroisopropyl)ether	39638-32-9	87.1	139	<139	ug/kg dry	3.A
Hexachloroethane	67-72-1	69.7	139	<139	ug/kg dry	3.A
3/4-Methylphenol	108-39-4/106-44-5	62.7	139	<139	ug/kg dry	3.A
N-Nitroso-di-n-propylamine	621-64-7	52.3	139	<139	ug/kg dry	3.A
Nitrobenzene	98-95-3	62.7	139	<139	ug/kg dry	3.A
Isophorone	78-59-1	48.8	139	<139	ug/kg dry	3.A
2-Nitrophenol	88-75-5	97.5	139	<139	ug/kg dry	3.A
2,4-Dimethylphenol	105-67-9	101	139	<139	ug/kg dry	3.A
Benzoic Acid	65-85-0	83.6	139	<139	ug/kg dry	3.A, 4.N
bis(2-Chloroethoxy)methane	111-91-1	69.7	139	<139	ug/kg dry	3.A
2,4-Dichlorophenol	120-83-2	48.8	139	<139	ug/kg dry	3.A
1,2,4-Trichlorobenzene	120-82-1	69.7	139	<139	ug/kg dry	3.A
Naphthalene	91-20-3	55.7	139	<139	ug/kg dry	3.A
4-Chloroaniline	106-47-8	48.8	139	<139	ug/kg dry	3.A
Hexachlorobutadiene	87-68-3	97.5	139	<139	ug/kg dry	3.A
4-Chloro-3-methylphenol	59-50-7	108	139	<139	ug/kg dry	3.A
2-Methylnaphthalene	91-57-6	73.2	139	<139	ug/kg dry	3.A
Hexachlorocyclopentadiene	77-47-4	62.7	139	<139	ug/kg dry	3.A
2,4,6-Trichlorophenol	88-06-2	62.7	139	<139	ug/kg dry	3.A

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 14:53	Sample ID: B-7 0'-2'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-13 % Solid:86.11
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
2,4,5-Trichlorophenol	95-95-4	87.1	139	<139	ug/kg dry	3.A
2-Chloronaphthalene	91-58-7	48.8	139	<139	ug/kg dry	3.A
2-Nitroaniline	88-74-4	118	139	<139	ug/kg dry	3.A
Dimethyl phthalate	131-11-3	59.2	139	<139	ug/kg dry	3.A
Acenaphthylene	208-96-8	76.6	139	<139	ug/kg dry	3.A
2,6-Dinitrotoluene	606-20-2	73.2	139	<139	ug/kg dry	3.A
3-Nitroaniline	99-09-2	111	139	<139	ug/kg dry	3.A
Acenaphthene	83-32-9	80.1	139	<139	ug/kg dry	3.A
2,4-Dinitrophenol	51-28-5	48.8	470	<470	ug/kg dry	4.N, 3.A
Dibenzofuran	132-64-9	66.2	139	<139	ug/kg dry	3.A
4-Nitrophenol	100-02-7	55.7	470	<470	ug/kg dry	3.A
2,4-Dinitrotoluene	121-14-2	48.8	139	<139	ug/kg dry	3.A
Fluorene	86-73-7	76.6	139	<139	ug/kg dry	3.A
Diethyl phthalate	84-66-2	69.7	139	<139	ug/kg dry	3.A
4-Chlorophenyl phenyl ether	7005-72-3	66.2	139	<139	ug/kg dry	3.A
4-Nitroaniline	100-01-6	69.7	139	<139	ug/kg dry	3.A
4,6-Dinitro-2-methylphenol	534-52-1	62.7	470	<470	ug/kg dry	3.A
N-Nitrosodiphenylamine	86-30-6	62.7	139	<139	ug/kg dry	3.A
4-Bromophenyl phenyl ether	101-55-3	62.7	139	<139	ug/kg dry	3.A
Hexachlorobenzene	118-74-1	69.7	139	<139	ug/kg dry	3.A
Pentachlorophenol	87-86-5	59.2	139	<139	ug/kg dry	3.A
Phenanthrene	85-01-8	76.6	139	694	ug/kg dry	3.E
Anthracene	120-12-7	62.7	139	177	ug/kg dry	3.E
Carbazole	86-74-8	59.2	139	<139	ug/kg dry	3.A
Di-n-butyl phthalate	84-74-2	76.6	139	<139	ug/kg dry	3.A
Parathion (ethyl)	56-38-2	181	209	<209	ug/kg dry	3.A
Fluoranthene	206-44-0	69.7	139	1010	ug/kg dry	3.E
Pyrene	129-00-0	73.2	139	1050	ug/kg dry	3.E
Butyl benzyl phthalate	85-68-7	66.2	139	<139	ug/kg dry	3.A

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 14:53	Sample ID: B-7 0'-2'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-13 % Solid:86.11
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Benzo(a)anthracene	56-55-3	83.6	139	646	ug/kg dry	3.E
Chrysene	218-01-9	73.2	139	669	ug/kg dry	3.E
3,3'-Dichlorobenzidine	91-94-1	48.8	139	<139	ug/kg dry	3.A
Bis(2-Ethylhexyl)phthalate	117-81-7	73.2	139	<139	ug/kg dry	3.A
Di-n-octyl phthalate	117-84-0	48.8	139	<139	ug/kg dry	3.A
Benzo(b)fluoranthene	205-99-2	62.7	139	762	ug/kg dry	3.E
Benzo(k)fluoranthene	207-08-9	80.1	139	318	ug/kg dry	3.E
Benzo(a)pyrene	50-32-8	73.2	139	655	ug/kg dry	3.E
Indeno(1,2,3-cd)pyrene	193-39-5	94.1	139	509	ug/kg dry	3.E
Dibenzo(a,h)anthracene	53-70-3	90.6	139	<139	ug/kg dry	3.A
Benzo(g,h,i)perylene	191-24-2	80.1	139	432	ug/kg dry	3.E

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2-Fluorophenol	367-12-4	46	25-121	3.E
Phenol-d6	13127-88-3	57	24-113	3.E
Nitrobenzene-d5	4165-60-0	48	23-120	3.E
2-Fluorobiphenyl	321-60-8	64	30-115	3.E
2,4,6-Tribromophenol	118-79-6	92	19-122	3.E
Terphenyl-d14	1718-51-0	83	18-137	3.E

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	101	50-200	
Naphthalene-d8	1146-65-2	102	50-200	
Acenaphthene-d10	15067-26-2	101	50-200	
Phenanthrene-d10	1517-22-2	98	50-200	
Chrysene-d12	1719-03-5	102	50-200	3.E
Perylene-d12	1520-96-3	104	50-200	3.E

Date Prepared: 10/09/2014

Date Analyzed: 10/10/2014

Preparation Method: EPA 3545 A

Analytical Method: EPA 8270 D

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 14:53	Sample ID: B-7 0'-2'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-13 % Solid:86.11
Matrix: Soil	ELAP: #11693

Pesticides Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
alpha-BHC	319-84-6	0.282	5.81	<5.81	ug/kg dry	
gamma-BHC	58-89-9	0.288	5.81	<5.81	ug/kg dry	
beta-BHC	319-85-7	0.487	5.81	<5.81	ug/kg dry	
delta-BHC	319-86-8	0.352	5.81	<5.81	ug/kg dry	
Heptachlor	76-44-8	0.319	5.81	<5.81	ug/kg dry	
Aldrin	309-00-2	0.446	5.81	<5.81	ug/kg dry	
Heptachlor Epoxide	1024-57-3	0.516	5.81	<5.81	ug/kg dry	
trans-Chlordane	5103-74-2	0.735	5.81	<5.81	ug/kg dry	
cis-Chlordane	5103-71-9	0.491	5.81	<5.81	ug/kg dry	
4,4'-DDE	72-55-9	0.297	3.48	<3.48	ug/kg dry	
Endosulfan I	959-98-8	0.561	5.81	<5.81	ug/kg dry	
Dieldrin	60-57-1	0.463	5.81	<5.81	ug/kg dry	
Endrin	72-20-8	0.532	5.81	<5.81	ug/kg dry	
4,4'-DDD	72-54-8	0.528	3.48	<3.48	ug/kg dry	
Endosulfan II	33213-65-9	0.988	5.81	<5.81	ug/kg dry	
4,4'-DDT	50-29-3	0.768	3.48	<3.48	ug/kg dry	4.M
Endrin Aldehyde	7421-93-4	0.818	5.81	<5.81	ug/kg dry	
Methoxychlor	72-43-5	1.27	5.81	<5.81	ug/kg dry	
Endosulfan Sulfate	1031-07-8	1.36	5.81	<5.81	ug/kg dry	
Endrin Ketone	53494-70-5	1.17	5.81	<5.81	ug/kg dry	
Toxaphene	8001-35-2	7.99	116	<116	ug/kg dry	
Chlordane	12789-03-6	1.57	17.4	<17.4	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Tetrachloro-m-xylene	877-09-8	102	70-130	
Decachlorobiphenyl	2051-24-3	102	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	98	50-200	

Date Prepared: 10/08/2014

Date Analyzed: 10/11/2014

Preparation Method: EPA 3545 A

Analytical Method: EPA 8081B

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 14:53	Sample ID: B-7 0'-2'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-13 % Solid:86.11
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	6.94	11.6	<11.6	ug/kg dry	
Aroclor-1260	11096-82-5	4.25	11.6	<11.6	ug/kg dry	
Aroclor-1221	11104-28-2	4.64	11.6	<11.6	ug/kg dry	
Aroclor-1232	11141-16-5	4.64	11.6	<11.6	ug/kg dry	
Aroclor-1242	53469-21-9	4.64	11.6	<11.6	ug/kg dry	
Aroclor-1248	12672-29-6	4.64	11.6	<11.6	ug/kg dry	
Aroclor-1254	11097-69-1	4.64	11.6	<11.6	ug/kg dry	
Aroclor-1262	37324-23-5	4.64	11.6	<11.6	ug/kg dry	
Aroclor-1268	11100-14-4	4.64	11.6	<11.6	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Tetrachloro-m-xylene	877-09-8	92	70-130	
Decachlorobiphenyl	2051-24-3	81	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	121	50-200	

Date Prepared: 10/08/2014

Date Analyzed: 10/09/2014

Preparation Method: EPA 3545 A

Analytical Method: EPA 8082 A

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 14:53	Sample ID: B-7 0'-2'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-13 % Solid:86.11
Matrix: Soil	ELAP: #11693

Total Metals Analysis

Parameter	Date Analyzed	Method	MDL	LOQ	Result	Units	Flag
Aluminum	10/09/2014	EPA 6010 C	7.11	111	10100	mg/kg dry	3.E
Antimony	10/09/2014	EPA 6010 C	0.76	1.85	11.6	mg/kg dry	
Arsenic	10/09/2014	EPA 6010 C	0.20	1.85	16.1	mg/kg dry	
Barium	10/09/2014	EPA 6010 C	0.35	1.85	320	mg/kg dry	
Beryllium	10/09/2014	EPA 6010 C	0.20	1.85	<1.85	mg/kg dry	
Cadmium	10/09/2014	EPA 6010 C	0.19	1.83	<1.83	mg/kg dry	
Calcium	10/09/2014	EPA 6010 C	0.580	11.1	5970	mg/kg dry	
Chromium	10/09/2014	EPA 6010 C	0.19	1.85	34.5	mg/kg dry	
Cobalt	10/09/2014	EPA 6010 C	0.181	1.85	7.56	mg/kg dry	
Copper	10/09/2014	EPA 6010 C	1.63	18.5	462	mg/kg dry	3.E
Iron	10/09/2014	EPA 6010 C	7.30	55.5	25300	mg/kg dry	3.E
Lead	10/09/2014	EPA 6010 C	1.80	18.5	672	mg/kg dry	3.E
Magnesium	10/09/2014	EPA 6010 C	0.721	5.55	2070	mg/kg dry	
Manganese	10/09/2014	EPA 6010 C	2.53	18.5	573	mg/kg dry	3.E
Nickel	10/09/2014	EPA 6010 C	0.21	1.85	17.5	mg/kg dry	
Potassium	10/09/2014	EPA 6010 C	1.77	11.1	1240	mg/kg dry	
Selenium	10/09/2014	EPA 6010 C	0.63	1.85	<1.85	mg/kg dry	
Silver	10/09/2014	EPA 6010 C	0.16	1.85	<1.85	mg/kg dry	
Sodium	10/09/2014	EPA 6010 C	0.917	5.55	1840	mg/kg dry	
Thallium	10/09/2014	EPA 6010 C	1.27	1.85	<1.85	mg/kg dry	
Vanadium	10/09/2014	EPA 6010 C	0.22	1.85	26.0	mg/kg dry	
Zinc	10/09/2014	EPA 6010 C	4.80	18.5	728	mg/kg dry	3.E

Date Prepared: 10/09/2014 Preparation Method: EPA 3050B

Parameter	Date Analyzed	Method	MDL	LOQ	Result	Units	Flag
Mercury	10/10/2014	EPA 7471 B	0.002	0.02	0.35	mg/kg dry	

Date Prepared: 10/09/2014 Preparation Method: EPA 7471 B

Parameter	Date Analyzed	Method	MDL	LOQ	Result	Units	Flag
Cyanide	10/15/2014	EPA 9014	0.01	0.12	0.76	mg/kg dry	

Date Prepared: 10/13/2014 Preparation Method: Distillation Prep

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 15:05	Sample ID: B-7 10'-12'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-14 % Solid:84.97
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Dichlorodifluoromethane	75-71-8	0.643	5.88	<5.88	ug/kg dry	5.L, 4.J
Chlorodifluoromethane	75-45-6	0.686	5.88	<5.88	ug/kg dry	2.B, 5.L
Chloromethane	74-87-3	0.752	5.88	<5.88	ug/kg dry	5.L
Vinyl chloride	75-01-4	0.447	5.88	<5.88	ug/kg dry	5.L
Bromomethane	74-83-9	1.95	5.88	<5.88	ug/kg dry	5.L
Chloroethane	75-00-3	0.401	5.88	<5.88	ug/kg dry	5.L
Trichlorofluoromethane	75-69-4	0.610	5.88	<5.88	ug/kg dry	5.L
Acetone	67-64-1	6.85	58.8	<58.8	ug/kg dry	5.L
1,1-Dichloroethylene	75-35-4	0.521	5.88	<5.88	ug/kg dry	5.L
tert-Butyl alcohol	75-65-0	2.03	5.88	<5.88	ug/kg dry	5.L
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	0.503	5.88	<5.88	ug/kg dry	5.L
Acrylonitrile	107-13-1	0.748	5.88	<5.88	ug/kg dry	5.L
Methylene Chloride	75-09-2	1.32	5.88	<5.88	ug/kg dry	5.L
Carbon disulfide	75-15-0	0.417	5.88	<5.88	ug/kg dry	5.L
Methyl-tert-Butyl Ether	1634-04-4	0.452	5.88	<5.88	ug/kg dry	5.L
trans-1,2-Dichloroethylene	156-60-5	0.544	5.88	<5.88	ug/kg dry	5.L
1,1-Dichloroethane	75-34-3	0.644	5.88	<5.88	ug/kg dry	5.L
Methyl Ethyl Ketone (2-Butanone)	78-93-3	1.77	11.8	<11.8	ug/kg dry	4.J, 5.L
cis-1,2-Dichloroethylene	156-59-2	0.500	5.88	<5.88	ug/kg dry	5.L
2,2-Dichloropropane	594-20-7	0.372	5.88	<5.88	ug/kg dry	5.L
Bromochloromethane	74-97-5	0.697	5.88	<5.88	ug/kg dry	5.L
Chloroform	67-66-3	0.625	5.88	<5.88	ug/kg dry	5.L
1,1,1-Trichloroethane	71-55-6	0.434	5.88	<5.88	ug/kg dry	5.L
1,2-Dichloroethane	107-06-2	0.574	5.88	<5.88	ug/kg dry	5.L
1,1-Dichloropropylene	563-58-6	0.555	5.88	<5.88	ug/kg dry	5.L
Carbon Tetrachloride	56-23-5	0.564	5.88	<5.88	ug/kg dry	5.L
Benzene	71-43-2	0.425	5.88	<5.88	ug/kg dry	5.L
Trichloroethylene	79-01-6	0.643	5.88	<5.88	ug/kg dry	5.L
1,2-Dichloropropane	78-87-5	0.611	5.88	<5.88	ug/kg dry	5.L
Dibromomethane	74-95-3	0.479	5.88	<5.88	ug/kg dry	4.J, 5.L

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 15:05	Sample ID: B-7 10'-12'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-14 % Solid:84.97
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
1,4-Dioxane	123-91-1	27.1	58.8	<58.8	ug/kg dry	5.L
Bromodichloromethane	75-27-4	0.506	5.88	<5.88	ug/kg dry	5.L
4-Methyl-2-Pentanone	108-10-1	0.674	11.8	<11.8	ug/kg dry	4.J, 5.L
cis-1,3-Dichloropropylene	10061-01-5	0.505	5.88	<5.88	ug/kg dry	5.L
Toluene	108-88-3	0.460	5.88	<5.88	ug/kg dry	5.L
trans-1,3-Dichloropropylene	10061-02-6	0.393	5.88	<5.88	ug/kg dry	5.L
1,1,2-Trichloroethane	79-00-5	0.543	5.88	<5.88	ug/kg dry	5.L
Methyl Butyl Ketone (2-Hexanone)	591-78-6	0.823	5.88	<5.88	ug/kg dry	4.J, 5.L
1,3-Dichloropropane	142-28-9	0.432	5.88	<5.88	ug/kg dry	5.L
Dibromochloromethane	124-48-1	0.385	5.88	<5.88	ug/kg dry	5.L
Tetrachloroethylene	127-18-4	0.553	5.88	<5.88	ug/kg dry	5.L
1,2-Dibromoethane	106-93-4	0.499	5.88	<5.88	ug/kg dry	5.L
Chlorobenzene	108-90-7	0.500	5.88	<5.88	ug/kg dry	5.L
1,1,1,2-Tetrachloroethane	630-20-6	0.790	5.88	<5.88	ug/kg dry	5.L
Ethylbenzene	100-41-4	0.424	5.88	<5.88	ug/kg dry	5.L
m,p-Xylenes	108-38-3/106-42-3	0.648	11.8	<11.8	ug/kg dry	5.L
Styrene	100-42-5	0.301	5.88	<5.88	ug/kg dry	5.L
o-Xylene	95-47-6	0.295	5.88	<5.88	ug/kg dry	5.L
Bromoform	75-25-2	0.422	5.88	<5.88	ug/kg dry	5.L
1,1,2,2-Tetrachloroethane	79-34-5	0.414	5.88	<5.88	ug/kg dry	5.L
Isopropylbenzene (Cumene)	98-82-8	0.295	5.88	<5.88	ug/kg dry	5.L
1,2,3-Trichloropropane	96-18-4	0.651	5.88	<5.88	ug/kg dry	5.L
Bromobenzene	108-86-1	0.391	5.88	<5.88	ug/kg dry	5.L
n-Propylbenzene	103-65-1	0.410	5.88	<5.88	ug/kg dry	5.L
2-Chlorotoluene	95-49-8	0.455	5.88	<5.88	ug/kg dry	5.L
4-Ethyltoluene	622-96-8	0.431	5.88	<5.88	ug/kg dry	5.L, 2.B
4-Chlorotoluene	106-43-4	0.360	5.88	<5.88	ug/kg dry	5.L
1,3,5-Trimethylbenzene	108-67-8	0.374	5.88	<5.88	ug/kg dry	5.L
tert-Butylbenzene	98-06-6	0.534	5.88	<5.88	ug/kg dry	5.L

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 15:05	Sample ID: B-7 10'-12'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-14 % Solid:84.97
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
1,2,4-Trimethylbenzene	95-63-6	0.411	5.88	<5.88	ug/kg dry	5.L
sec-Butylbenzene	135-98-8	0.366	5.88	<5.88	ug/kg dry	5.L
1,3-Dichlorobenzene	541-73-1	0.334	5.88	<5.88	ug/kg dry	5.L
4-Isopropyltoluene	99-87-6	0.465	5.88	<5.88	ug/kg dry	5.L
1,4-Dichlorobenzene	106-46-7	0.479	5.88	<5.88	ug/kg dry	5.L
1,2-Dichlorobenzene	95-50-1	0.508	5.88	<5.88	ug/kg dry	5.L
1,4-Diethylbenzene	105-05-5	0.301	5.88	<5.88	ug/kg dry	2.B, 5.L
n-Butylbenzene	104-51-8	0.355	5.88	<5.88	ug/kg dry	5.L
1,2-Dibromo-3-chloropropane	96-12-8	0.724	5.88	<5.88	ug/kg dry	5.L
1,2,4,5-Tetramethylbenzene	95-93-2	0.308	5.88	<5.88	ug/kg dry	2.B, 5.L
1,2,4-Trichlorobenzene	120-82-1	0.362	5.88	<5.88	ug/kg dry	5.L
Naphthalene	91-20-3	0.694	5.88	<5.88	ug/kg dry	5.L
Hexachlorobutadiene	87-68-3	0.341	5.88	<5.88	ug/kg dry	5.L
1,2,3-Trichlorobenzene	87-61-6	0.657	5.88	<5.88	ug/kg dry	5.L

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Dibromofluoromethane	1868-53-7	115	70-130	
1,2-Dichloroethane-d4	10706-07-0	108	70-130	
Toluene-d8	2037-26-5	101	70-130	
4-Bromofluorobenzene	460-00-4	97	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
Pentafluorobenzene	363-72-4	61	50-200	
1,4-Difluorobenzene	540-36-3	66	50-200	
Chlorobenzene-d5	3114-55-4	66	50-200	
1,4-Dichlorobenzene-d4	3855-82-1	51	50-200	

Date Prepared: 10/09/2014

Date Analyzed: 10/10/2014

Preparation Method: EPA 5035A-L

Analytical Method: EPA 8260 C

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 15:05	Sample ID: B-7 10'-12'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-14 % Solid:84.97
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Pyridine	110-86-1	20.0	159	<159	ug/kg dry	4.N
N-Nitrosodimethylamine	62-75-9	33.0	47.1	<47.1	ug/kg dry	
Phenol	108-95-2	18.8	47.1	<47.1	ug/kg dry	
Aniline	62-53-3	16.5	47.1	<47.1	ug/kg dry	
2-Chlorophenol	95-57-8	21.2	47.1	<47.1	ug/kg dry	
Bis(2-Chloroethyl)ether	111-44-4	30.6	47.1	<47.1	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	18.8	47.1	<47.1	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	22.4	47.1	<47.1	ug/kg dry	
Benzyl alcohol	100-51-6	17.7	47.1	<47.1	ug/kg dry	
1,2-Dichlorobenzene	95-50-1	18.8	47.1	<47.1	ug/kg dry	
2-Methylphenol	95-48-7	27.1	47.1	<47.1	ug/kg dry	
Bis(2-chloroisopropyl)ether	39638-32-9	29.4	47.1	<47.1	ug/kg dry	
Hexachloroethane	67-72-1	23.5	47.1	<47.1	ug/kg dry	
3/4-Methylphenol	108-39-4/106-44-5	21.2	47.1	<47.1	ug/kg dry	
N-Nitroso-di-n-propylamine	621-64-7	17.7	47.1	<47.1	ug/kg dry	
Nitrobenzene	98-95-3	21.2	47.1	<47.1	ug/kg dry	
Isophorone	78-59-1	16.5	47.1	<47.1	ug/kg dry	
2-Nitrophenol	88-75-5	33.0	47.1	<47.1	ug/kg dry	
2,4-Dimethylphenol	105-67-9	34.1	47.1	<47.1	ug/kg dry	
Benzoic Acid	65-85-0	28.2	47.1	<47.1	ug/kg dry	4.N
bis(2-Chloroethoxy)methane	111-91-1	23.5	47.1	<47.1	ug/kg dry	
2,4-Dichlorophenol	120-83-2	16.5	47.1	<47.1	ug/kg dry	
1,2,4-Trichlorobenzene	120-82-1	23.5	47.1	<47.1	ug/kg dry	
Naphthalene	91-20-3	18.8	47.1	<47.1	ug/kg dry	
4-Chloroaniline	106-47-8	16.5	47.1	<47.1	ug/kg dry	
Hexachlorobutadiene	87-68-3	33.0	47.1	<47.1	ug/kg dry	
4-Chloro-3-methylphenol	59-50-7	36.5	47.1	<47.1	ug/kg dry	
2-Methylnaphthalene	91-57-6	24.7	47.1	<47.1	ug/kg dry	
Hexachlorocyclopentadiene	77-47-4	21.2	47.1	<47.1	ug/kg dry	
2,4,6-Trichlorophenol	88-06-2	21.2	47.1	<47.1	ug/kg dry	

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 15:05	Sample ID: B-7 10'-12'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-14 % Solid:84.97
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
2,4,5-Trichlorophenol	95-95-4	29.4	47.1	<47.1	ug/kg dry	
2-Chloronaphthalene	91-58-7	16.5	47.1	<47.1	ug/kg dry	
2-Nitroaniline	88-74-4	40.0	47.1	<47.1	ug/kg dry	
Dimethyl phthalate	131-11-3	20.0	47.1	<47.1	ug/kg dry	
Acenaphthylene	208-96-8	25.9	47.1	<47.1	ug/kg dry	
2,6-Dinitrotoluene	606-20-2	24.7	47.1	<47.1	ug/kg dry	
3-Nitroaniline	99-09-2	37.7	47.1	<47.1	ug/kg dry	
Acenaphthene	83-32-9	27.1	47.1	<47.1	ug/kg dry	
2,4-Dinitrophenol	51-28-5	16.5	159	<159	ug/kg dry	4.N
Dibenzofuran	132-64-9	22.4	47.1	<47.1	ug/kg dry	
4-Nitrophenol	100-02-7	18.8	159	<159	ug/kg dry	
2,4-Dinitrotoluene	121-14-2	16.5	47.1	<47.1	ug/kg dry	
Fluorene	86-73-7	25.9	47.1	<47.1	ug/kg dry	
Diethyl phthalate	84-66-2	23.5	47.1	<47.1	ug/kg dry	
4-Chlorophenyl phenyl ether	7005-72-3	22.4	47.1	<47.1	ug/kg dry	
4-Nitroaniline	100-01-6	23.5	47.1	<47.1	ug/kg dry	
4,6-Dinitro-2-methylphenol	534-52-1	21.2	159	<159	ug/kg dry	
N-Nitrosodiphenylamine	86-30-6	21.2	47.1	<47.1	ug/kg dry	
4-Bromophenyl phenyl ether	101-55-3	21.2	47.1	<47.1	ug/kg dry	
Hexachlorobenzene	118-74-1	23.5	47.1	<47.1	ug/kg dry	
Pentachlorophenol	87-86-5	20.0	47.1	<47.1	ug/kg dry	
Phenanthrene	85-01-8	25.9	47.1	<47.1	ug/kg dry	
Anthracene	120-12-7	21.2	47.1	<47.1	ug/kg dry	
Carbazole	86-74-8	20.0	47.1	<47.1	ug/kg dry	
Di-n-butyl phthalate	84-74-2	25.9	47.1	<47.1	ug/kg dry	
Parathion (ethyl)	56-38-2	61.2	70.6	<70.6	ug/kg dry	
Fluoranthene	206-44-0	23.5	47.1	<47.1	ug/kg dry	
Pyrene	129-00-0	24.7	47.1	<47.1	ug/kg dry	
Butyl benzyl phthalate	85-68-7	22.4	47.1	<47.1	ug/kg dry	

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 15:05	Sample ID: B-7 10'-12'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-14 % Solid:84.97
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Benzo(a)anthracene	56-55-3	28.2	47.1	<47.1	ug/kg dry	
Chrysene	218-01-9	24.7	47.1	<47.1	ug/kg dry	
3,3'-Dichlorobenzidine	91-94-1	16.5	47.1	<47.1	ug/kg dry	
Bis(2-Ethylhexyl)phthalate	117-81-7	24.7	47.1	97.3	ug/kg dry	
Di-n-octyl phthalate	117-84-0	16.5	47.1	<47.1	ug/kg dry	
Benzo(b)fluoranthene	205-99-2	21.2	47.1	<47.1	ug/kg dry	
Benzo(k)fluoranthene	207-08-9	27.1	47.1	<47.1	ug/kg dry	
Benzo(a)pyrene	50-32-8	24.7	47.1	<47.1	ug/kg dry	
Indeno(1,2,3-cd)pyrene	193-39-5	31.8	47.1	<47.1	ug/kg dry	
Dibenzo(a,h)anthracene	53-70-3	30.6	47.1	<47.1	ug/kg dry	
Benzo(g,h,i)perylene	191-24-2	27.1	47.1	<47.1	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2-Fluorophenol	367-12-4	58	25-121	
Phenol-d6	13127-88-3	59	24-113	
Nitrobenzene-d5	4165-60-0	57	23-120	
2-Fluorobiphenyl	321-60-8	63	30-115	
2,4,6-Tribromophenol	118-79-6	82	19-122	
Terphenyl-d14	1718-51-0	68	18-137	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	114	50-200	
Naphthalene-d8	1146-65-2	113	50-200	
Acenaphthene-d10	15067-26-2	111	50-200	
Phenanthrene-d10	1517-22-2	107	50-200	
Chrysene-d12	1719-03-5	110	50-200	
Perylene-d12	1520-96-3	112	50-200	

Date Prepared: 10/09/2014

Date Analyzed: 10/10/2014

Preparation Method: EPA 3545 A

Analytical Method: EPA 8270 D

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 15:05	Sample ID: B-7 10'-12'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-14 % Solid:84.97
Matrix: Soil	ELAP: #11693

Pesticides Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
alpha-BHC	319-84-6	0.286	5.88	<5.88	ug/kg dry	
gamma-BHC	58-89-9	0.292	5.88	<5.88	ug/kg dry	
beta-BHC	319-85-7	0.493	5.88	<5.88	ug/kg dry	
delta-BHC	319-86-8	0.357	5.88	<5.88	ug/kg dry	
Heptachlor	76-44-8	0.324	5.88	<5.88	ug/kg dry	
Aldrin	309-00-2	0.452	5.88	<5.88	ug/kg dry	
Heptachlor Epoxide	1024-57-3	0.523	5.88	<5.88	ug/kg dry	
trans-Chlordane	5103-74-2	0.745	5.88	<5.88	ug/kg dry	
cis-Chlordane	5103-71-9	0.498	5.88	<5.88	ug/kg dry	
4,4'-DDE	72-55-9	0.301	3.53	<3.53	ug/kg dry	
Endosulfan I	959-98-8	0.568	5.88	<5.88	ug/kg dry	
Dieldrin	60-57-1	0.470	5.88	<5.88	ug/kg dry	
Endrin	72-20-8	0.539	5.88	<5.88	ug/kg dry	
4,4'-DDD	72-54-8	0.535	3.53	<3.53	ug/kg dry	
Endosulfan II	33213-65-9	1.00	5.88	<5.88	ug/kg dry	
4,4'-DDT	50-29-3	0.778	3.53	<3.53	ug/kg dry	4.M
Endrin Aldehyde	7421-93-4	0.828	5.88	<5.88	ug/kg dry	
Methoxychlor	72-43-5	1.29	5.88	<5.88	ug/kg dry	
Endosulfan Sulfate	1031-07-8	1.38	5.88	<5.88	ug/kg dry	
Endrin Ketone	53494-70-5	1.19	5.88	<5.88	ug/kg dry	
Toxaphene	8001-35-2	8.10	118	<118	ug/kg dry	
Chlordane	12789-03-6	1.60	17.7	<17.7	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Tetrachloro-m-xylene	877-09-8	92	70-130	
Decachlorobiphenyl	2051-24-3	103	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	110	50-200	

Date Prepared: 10/13/2014

Date Analyzed: 10/13/2014

Preparation Method: EPA 3545 A

Analytical Method: EPA 8081B

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 15:05	Sample ID: B-7 10'-12'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-14 % Solid:84.97
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	7.03	11.8	<11.8	ug/kg dry	
Aroclor-1260	11096-82-5	4.30	11.8	<11.8	ug/kg dry	
Aroclor-1221	11104-28-2	4.71	11.8	<11.8	ug/kg dry	
Aroclor-1232	11141-16-5	4.71	11.8	<11.8	ug/kg dry	
Aroclor-1242	53469-21-9	4.71	11.8	<11.8	ug/kg dry	
Aroclor-1248	12672-29-6	4.71	11.8	<11.8	ug/kg dry	
Aroclor-1254	11097-69-1	4.71	11.8	<11.8	ug/kg dry	
Aroclor-1262	37324-23-5	4.71	11.8	<11.8	ug/kg dry	
Aroclor-1268	11100-14-4	4.71	11.8	<11.8	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Tetrachloro-m-xylene	877-09-8	84	70-130	
Decachlorobiphenyl	2051-24-3	95	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	104	50-200	

Date Prepared: 10/13/2014

Date Analyzed: 10/14/2014

Preparation Method: EPA 3545 A

Analytical Method: EPA 8082 A

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 15:05	Sample ID: B-7 10'-12'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-14 % Solid:84.97
Matrix: Soil	ELAP: #11693

Total Metals Analysis

Parameter	Date Analyzed	Method	MDL	LOQ	Result	Units	Flag
Aluminum	10/09/2014	EPA 6010 C	0.74	11.6	6760	mg/kg dry	
Antimony	10/09/2014	EPA 6010 C	0.80	1.94	<1.94	mg/kg dry	
Arsenic	10/09/2014	EPA 6010 C	0.21	1.94	<1.94	mg/kg dry	
Barium	10/09/2014	EPA 6010 C	0.36	1.94	31.3	mg/kg dry	
Beryllium	10/09/2014	EPA 6010 C	0.21	1.94	<1.94	mg/kg dry	
Cadmium	10/09/2014	EPA 6010 C	0.20	1.92	<1.92	mg/kg dry	
Calcium	10/09/2014	EPA 6010 C	0.607	11.6	1100	mg/kg dry	
Chromium	10/09/2014	EPA 6010 C	0.19	1.94	23.1	mg/kg dry	
Cobalt	10/09/2014	EPA 6010 C	0.189	1.94	10.9	mg/kg dry	
Copper	10/09/2014	EPA 6010 C	0.17	1.94	15.4	mg/kg dry	
Iron	10/09/2014	EPA 6010 C	7.64	58.1	24900	mg/kg dry	3.E
Lead	10/09/2014	EPA 6010 C	0.19	1.94	6.33	mg/kg dry	
Magnesium	10/09/2014	EPA 6010 C	0.755	5.81	2060	mg/kg dry	
Manganese	10/09/2014	EPA 6010 C	0.26	1.94	149	mg/kg dry	
Nickel	10/09/2014	EPA 6010 C	0.22	1.94	15.1	mg/kg dry	
Potassium	10/09/2014	EPA 6010 C	1.85	11.6	1400	mg/kg dry	
Selenium	10/09/2014	EPA 6010 C	0.66	1.94	<1.94	mg/kg dry	
Silver	10/09/2014	EPA 6010 C	0.16	1.94	<1.94	mg/kg dry	
Sodium	10/09/2014	EPA 6010 C	0.960	5.81	55.5	mg/kg dry	
Thallium	10/09/2014	EPA 6010 C	1.33	1.94	2.27	mg/kg dry	
Vanadium	10/09/2014	EPA 6010 C	0.23	1.94	30.6	mg/kg dry	
Zinc	10/09/2014	EPA 6010 C	0.50	1.94	41.6	mg/kg dry	

Date Prepared: 10/09/2014 Preparation Method: EPA 3050B

Parameter	Date Analyzed	Method	MDL	LOQ	Result	Units	Flag
Mercury	10/10/2014	EPA 7471 B	0.002	0.02	<0.02	mg/kg dry	

Date Prepared: 10/09/2014 Preparation Method: EPA 7471 B

Parameter	Date Analyzed	Method	MDL	LOQ	Result	Units	Flag
Cyanide	10/15/2014	EPA 9014	0.01	0.12	<0.12	mg/kg dry	

Date Prepared: 10/13/2014 Preparation Method: Distillation Prep

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 15:22	Sample ID: B-3 0'-2'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-15 % Solid:87.01
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Dichlorodifluoromethane	75-71-8	0.628	5.75	<5.75	ug/kg dry	4.J, 5.L
Chlorodifluoromethane	75-45-6	0.670	5.75	<5.75	ug/kg dry	2.B, 5.L
Chloromethane	74-87-3	0.734	5.75	<5.75	ug/kg dry	5.L
Vinyl chloride	75-01-4	0.437	5.75	<5.75	ug/kg dry	5.L
Bromomethane	74-83-9	1.91	5.75	<5.75	ug/kg dry	5.L
Chloroethane	75-00-3	0.392	5.75	<5.75	ug/kg dry	5.L
Trichlorofluoromethane	75-69-4	0.595	5.75	<5.75	ug/kg dry	5.L
Acetone	67-64-1	6.69	57.5	82.6	ug/kg dry	5.L
1,1-Dichloroethylene	75-35-4	0.509	5.75	<5.75	ug/kg dry	5.L
tert-Butyl alcohol	75-65-0	1.99	5.75	<5.75	ug/kg dry	5.L
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	0.491	5.75	<5.75	ug/kg dry	5.L
Acrylonitrile	107-13-1	0.731	5.75	<5.75	ug/kg dry	5.L
Methylene Chloride	75-09-2	1.29	5.75	<5.75	ug/kg dry	5.L
Carbon disulfide	75-15-0	0.407	5.75	<5.75	ug/kg dry	5.L
Methyl-tert-Butyl Ether	1634-04-4	0.441	5.75	<5.75	ug/kg dry	5.L
trans-1,2-Dichloroethylene	156-60-5	0.531	5.75	<5.75	ug/kg dry	5.L
1,1-Dichloroethane	75-34-3	0.629	5.75	<5.75	ug/kg dry	5.L
Methyl Ethyl Ketone (2-Butanone)	78-93-3	1.73	11.5	<11.5	ug/kg dry	4.J, 5.L
cis-1,2-Dichloroethylene	156-59-2	0.488	5.75	<5.75	ug/kg dry	5.L
2,2-Dichloropropane	594-20-7	0.363	5.75	<5.75	ug/kg dry	5.L
Bromochloromethane	74-97-5	0.680	5.75	<5.75	ug/kg dry	5.L
Chloroform	67-66-3	0.610	5.75	<5.75	ug/kg dry	5.L
1,1,1-Trichloroethane	71-55-6	0.424	5.75	<5.75	ug/kg dry	5.L
1,2-Dichloroethane	107-06-2	0.561	5.75	<5.75	ug/kg dry	5.L
1,1-Dichloropropylene	563-58-6	0.542	5.75	<5.75	ug/kg dry	5.L
Carbon Tetrachloride	56-23-5	0.551	5.75	<5.75	ug/kg dry	5.L
Benzene	71-43-2	0.415	5.75	<5.75	ug/kg dry	5.L
Trichloroethylene	79-01-6	0.628	5.75	<5.75	ug/kg dry	5.L
1,2-Dichloropropane	78-87-5	0.597	5.75	<5.75	ug/kg dry	5.L
Dibromomethane	74-95-3	0.468	5.75	<5.75	ug/kg dry	4.J, 5.L

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 15:22	Sample ID: B-3 0'-2'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-15 % Solid:87.01
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
1,4-Dioxane	123-91-1	26.5	57.5	<57.5	ug/kg dry	5.L
Bromodichloromethane	75-27-4	0.494	5.75	<5.75	ug/kg dry	5.L
4-Methyl-2-Pentanone	108-10-1	0.659	11.5	<11.5	ug/kg dry	4.J, 5.L
cis-1,3-Dichloropropylene	10061-01-5	0.493	5.75	<5.75	ug/kg dry	5.L
Toluene	108-88-3	0.449	5.75	<5.75	ug/kg dry	5.L
trans-1,3-Dichloropropylene	10061-02-6	0.384	5.75	<5.75	ug/kg dry	5.L
1,1,2-Trichloroethane	79-00-5	0.530	5.75	<5.75	ug/kg dry	5.L
Methyl Butyl Ketone (2-Hexanone)	591-78-6	0.803	5.75	<5.75	ug/kg dry	4.J, 5.L
1,3-Dichloropropane	142-28-9	0.422	5.75	<5.75	ug/kg dry	5.L
Dibromochloromethane	124-48-1	0.376	5.75	<5.75	ug/kg dry	5.L
Tetrachloroethylene	127-18-4	0.540	5.75	<5.75	ug/kg dry	5.L
1,2-Dibromoethane	106-93-4	0.487	5.75	<5.75	ug/kg dry	5.L
Chlorobenzene	108-90-7	0.488	5.75	<5.75	ug/kg dry	5.L
1,1,1,2-Tetrachloroethane	630-20-6	0.771	5.75	<5.75	ug/kg dry	5.L
Ethylbenzene	100-41-4	0.414	5.75	<5.75	ug/kg dry	5.L
m,p-Xylenes	108-38-3/106-42-3	0.633	11.5	<11.5	ug/kg dry	5.L
Styrene	100-42-5	0.294	5.75	<5.75	ug/kg dry	5.L
o-Xylene	95-47-6	0.288	5.75	<5.75	ug/kg dry	5.L
Bromoform	75-25-2	0.413	5.75	<5.75	ug/kg dry	5.L
1,1,2,2-Tetrachloroethane	79-34-5	0.405	5.75	<5.75	ug/kg dry	5.L
Isopropylbenzene (Cumene)	98-82-8	0.288	5.75	<5.75	ug/kg dry	5.L
1,2,3-Trichloropropane	96-18-4	0.636	5.75	<5.75	ug/kg dry	5.L
Bromobenzene	108-86-1	0.382	5.75	<5.75	ug/kg dry	5.L
n-Propylbenzene	103-65-1	0.400	5.75	<5.75	ug/kg dry	5.L
2-Chlorotoluene	95-49-8	0.445	5.75	<5.75	ug/kg dry	5.L
4-Ethyltoluene	622-96-8	0.421	5.75	<5.75	ug/kg dry	2.B, 5.L
4-Chlorotoluene	106-43-4	0.352	5.75	<5.75	ug/kg dry	5.L
1,3,5-Trimethylbenzene	108-67-8	0.365	5.75	<5.75	ug/kg dry	5.L
tert-Butylbenzene	98-06-6	0.522	5.75	<5.75	ug/kg dry	5.L

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 15:22	Sample ID: B-3 0'-2'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-15 % Solid:87.01
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
1,2,4-Trimethylbenzene	95-63-6	0.401	5.75	<5.75	ug/kg dry	5.L
sec-Butylbenzene	135-98-8	0.357	5.75	<5.75	ug/kg dry	5.L
1,3-Dichlorobenzene	541-73-1	1.63	28.7	<28.7	ug/kg dry	3.A, 5.L
4-Isopropyltoluene	99-87-6	2.27	28.7	<28.7	ug/kg dry	5.L, 3.A
1,4-Dichlorobenzene	106-46-7	2.34	28.7	<28.7	ug/kg dry	3.A, 5.L
1,2-Dichlorobenzene	95-50-1	2.48	28.7	<28.7	ug/kg dry	3.A, 5.L
1,4-Diethylbenzene	105-05-5	1.47	28.7	<28.7	ug/kg dry	2.B, 3.A, 5.L
n-Butylbenzene	104-51-8	1.74	28.7	<28.7	ug/kg dry	3.A, 5.L
1,2-Dibromo-3-chloropropane	96-12-8	3.53	28.7	<28.7	ug/kg dry	3.A, 5.L
1,2,4,5-Tetramethylbenzene	95-93-2	1.51	28.7	<28.7	ug/kg dry	2.B, 3.A, 5.L
1,2,4-Trichlorobenzene	120-82-1	1.77	28.7	<28.7	ug/kg dry	3.A, 5.L
Naphthalene	91-20-3	3.39	28.7	<28.7	ug/kg dry	3.A, 5.L
Hexachlorobutadiene	87-68-3	1.67	28.7	<28.7	ug/kg dry	3.A, 5.L
1,2,3-Trichlorobenzene	87-61-6	3.21	28.7	<28.7	ug/kg dry	3.A, 5.L

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Dibromofluoromethane	1868-53-7	118	70-130	
1,2-Dichloroethane-d4	10706-07-0	104	70-130	
Toluene-d8	2037-26-5	99	70-130	
4-Bromofluorobenzene	460-00-4	103	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
Pentafluorobenzene	363-72-4	58	50-200	
1,4-Difluorobenzene	540-36-3	63	50-200	
Chlorobenzene-d5	3114-55-4	65	50-200	
1,4-Dichlorobenzene-d4	3855-82-1	100	50-200	

Date Prepared: 10/09/2014

Date Analyzed: 10/10/2014

Preparation Method: EPA 5035A-L

Analytical Method: EPA 8260 C

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 15:22	Sample ID: B-3 0'-2'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-15 % Solid:87.01
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Pyridine	110-86-1	19.5	155	<155	ug/kg dry	4.N
N-Nitrosodimethylamine	62-75-9	32.2	46.0	<46.0	ug/kg dry	
Phenol	108-95-2	18.4	46.0	<46.0	ug/kg dry	
Aniline	62-53-3	16.1	46.0	<46.0	ug/kg dry	
2-Chlorophenol	95-57-8	20.7	46.0	<46.0	ug/kg dry	
Bis(2-Chloroethyl)ether	111-44-4	29.9	46.0	<46.0	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	18.4	46.0	<46.0	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	21.8	46.0	<46.0	ug/kg dry	
Benzyl alcohol	100-51-6	17.2	46.0	<46.0	ug/kg dry	
1,2-Dichlorobenzene	95-50-1	18.4	46.0	<46.0	ug/kg dry	
2-Methylphenol	95-48-7	26.4	46.0	<46.0	ug/kg dry	
Bis(2-chloroisopropyl)ether	39638-32-9	28.7	46.0	<46.0	ug/kg dry	
Hexachloroethane	67-72-1	23.0	46.0	<46.0	ug/kg dry	
3/4-Methylphenol	108-39-4/106-44-5	20.7	46.0	<46.0	ug/kg dry	
N-Nitroso-di-n-propylamine	621-64-7	17.2	46.0	<46.0	ug/kg dry	
Nitrobenzene	98-95-3	20.7	46.0	<46.0	ug/kg dry	
Isophorone	78-59-1	16.1	46.0	<46.0	ug/kg dry	
2-Nitrophenol	88-75-5	32.2	46.0	<46.0	ug/kg dry	
2,4-Dimethylphenol	105-67-9	33.3	46.0	<46.0	ug/kg dry	
Benzoic Acid	65-85-0	27.6	46.0	<46.0	ug/kg dry	4.N
bis(2-Chloroethoxy)methane	111-91-1	23.0	46.0	<46.0	ug/kg dry	
2,4-Dichlorophenol	120-83-2	16.1	46.0	<46.0	ug/kg dry	
1,2,4-Trichlorobenzene	120-82-1	23.0	46.0	<46.0	ug/kg dry	
Naphthalene	91-20-3	18.4	46.0	<46.0	ug/kg dry	
4-Chloroaniline	106-47-8	16.1	46.0	<46.0	ug/kg dry	
Hexachlorobutadiene	87-68-3	32.2	46.0	<46.0	ug/kg dry	
4-Chloro-3-methylphenol	59-50-7	35.6	46.0	<46.0	ug/kg dry	
2-Methylnaphthalene	91-57-6	24.1	46.0	<46.0	ug/kg dry	
Hexachlorocyclopentadiene	77-47-4	20.7	46.0	<46.0	ug/kg dry	
2,4,6-Trichlorophenol	88-06-2	20.7	46.0	<46.0	ug/kg dry	

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 15:22	Sample ID: B-3 0'-2'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-15 % Solid:87.01
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
2,4,5-Trichlorophenol	95-95-4	28.7	46.0	<46.0	ug/kg dry	
2-Chloronaphthalene	91-58-7	16.1	46.0	<46.0	ug/kg dry	
2-Nitroaniline	88-74-4	39.1	46.0	<46.0	ug/kg dry	
Dimethyl phthalate	131-11-3	19.5	46.0	<46.0	ug/kg dry	
Acenaphthylene	208-96-8	25.3	46.0	<46.0	ug/kg dry	
2,6-Dinitrotoluene	606-20-2	24.1	46.0	<46.0	ug/kg dry	
3-Nitroaniline	99-09-2	36.8	46.0	<46.0	ug/kg dry	
Acenaphthene	83-32-9	26.4	46.0	<46.0	ug/kg dry	
2,4-Dinitrophenol	51-28-5	16.1	155	<155	ug/kg dry	4.N
Dibenzofuran	132-64-9	21.8	46.0	<46.0	ug/kg dry	
4-Nitrophenol	100-02-7	18.4	155	<155	ug/kg dry	
2,4-Dinitrotoluene	121-14-2	16.1	46.0	<46.0	ug/kg dry	
Fluorene	86-73-7	25.3	46.0	<46.0	ug/kg dry	
Diethyl phthalate	84-66-2	23.0	46.0	<46.0	ug/kg dry	
4-Chlorophenyl phenyl ether	7005-72-3	21.8	46.0	<46.0	ug/kg dry	
4-Nitroaniline	100-01-6	23.0	46.0	<46.0	ug/kg dry	
4,6-Dinitro-2-methylphenol	534-52-1	20.7	155	<155	ug/kg dry	
N-Nitrosodiphenylamine	86-30-6	20.7	46.0	<46.0	ug/kg dry	
4-Bromophenyl phenyl ether	101-55-3	20.7	46.0	<46.0	ug/kg dry	
Hexachlorobenzene	118-74-1	23.0	46.0	<46.0	ug/kg dry	
Pentachlorophenol	87-86-5	19.5	46.0	<46.0	ug/kg dry	
Phenanthrene	85-01-8	25.3	46.0	270	ug/kg dry	
Anthracene	120-12-7	20.7	46.0	69.7	ug/kg dry	
Carbazole	86-74-8	19.5	46.0	<46.0	ug/kg dry	
Di-n-butyl phthalate	84-74-2	25.3	46.0	<46.0	ug/kg dry	
Parathion (ethyl)	56-38-2	59.8	69.0	<69.0	ug/kg dry	
Fluoranthene	206-44-0	23.0	46.0	481	ug/kg dry	
Pyrene	129-00-0	24.1	46.0	401	ug/kg dry	
Butyl benzyl phthalate	85-68-7	21.8	46.0	<46.0	ug/kg dry	

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 15:22	Sample ID: B-3 0'-2'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-15 % Solid:87.01
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Benzo(a)anthracene	56-55-3	27.6	46.0	270	ug/kg dry	
Chrysene	218-01-9	24.1	46.0	254	ug/kg dry	
3,3'-Dichlorobenzidine	91-94-1	16.1	46.0	67.4	ug/kg dry	
Bis(2-Ethylhexyl)phthalate	117-81-7	24.1	46.0	110	ug/kg dry	
Di-n-octyl phthalate	117-84-0	16.1	46.0	<46.0	ug/kg dry	
Benzo(b)fluoranthene	205-99-2	20.7	46.0	364	ug/kg dry	
Benzo(k)fluoranthene	207-08-9	26.4	46.0	120	ug/kg dry	
Benzo(a)pyrene	50-32-8	24.1	46.0	264	ug/kg dry	
Indeno(1,2,3-cd)pyrene	193-39-5	31.0	46.0	232	ug/kg dry	
Dibenzo(a,h)anthracene	53-70-3	29.9	46.0	<46.0	ug/kg dry	
Benzo(g,h,i)perylene	191-24-2	26.4	46.0	185	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2-Fluorophenol	367-12-4	64	25-121	
Phenol-d6	13127-88-3	64	24-113	
Nitrobenzene-d5	4165-60-0	63	23-120	
2-Fluorobiphenyl	321-60-8	61	30-115	
2,4,6-Tribromophenol	118-79-6	95	19-122	
Terphenyl-d14	1718-51-0	48	18-137	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	128	50-200	
Naphthalene-d8	1146-65-2	124	50-200	
Acenaphthene-d10	15067-26-2	125	50-200	
Phenanthrene-d10	1517-22-2	121	50-200	
Chrysene-d12	1719-03-5	125	50-200	
Perylene-d12	1520-96-3	129	50-200	

Date Prepared: 10/09/2014

Preparation Method: EPA 3545 A

Date Analyzed: 10/10/2014

Analytical Method: EPA 8270 D

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 15:22	Sample ID: B-3 0'-2'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-15 % Solid:87.01
Matrix: Soil	ELAP: #11693

Pesticides Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
alpha-BHC	319-84-6	0.279	5.75	<5.75	ug/kg dry	4.G
gamma-BHC	58-89-9	0.285	5.75	<5.75	ug/kg dry	4.G
beta-BHC	319-85-7	0.482	5.75	<5.75	ug/kg dry	
delta-BHC	319-86-8	0.348	5.75	<5.75	ug/kg dry	
Heptachlor	76-44-8	0.316	5.75	<5.75	ug/kg dry	4.G
Aldrin	309-00-2	0.441	5.75	<5.75	ug/kg dry	4.G
Heptachlor Epoxide	1024-57-3	0.510	5.75	<5.75	ug/kg dry	
trans-Chlordane	5103-74-2	0.728	5.75	8.51	ug/kg dry	4.G
cis-Chlordane	5103-71-9	0.486	5.75	11.1	ug/kg dry	4.G
4,4'-DDE	72-55-9	0.294	3.45	25.5	ug/kg dry	
Endosulfan I	959-98-8	0.555	5.75	<5.75	ug/kg dry	
Dieldrin	60-57-1	0.459	5.75	13.8	ug/kg dry	4.G
Endrin	72-20-8	0.526	5.75	<5.75	ug/kg dry	
4,4'-DDD	72-54-8	0.523	3.45	9.31	ug/kg dry	4.G
Endosulfan II	33213-65-9	0.978	5.75	<5.75	ug/kg dry	
4,4'-DDT	50-29-3	0.760	3.45	58.0	ug/kg dry	4.G, 4.M
Endrin Aldehyde	7421-93-4	0.809	5.75	<5.75	ug/kg dry	
Methoxychlor	72-43-5	1.26	5.75	<5.75	ug/kg dry	
Endosulfan Sulfate	1031-07-8	1.35	5.75	<5.75	ug/kg dry	
Endrin Ketone	53494-70-5	1.16	5.75	<5.75	ug/kg dry	
Toxaphene	8001-35-2	7.91	115	<115	ug/kg dry	
Chlordane	12789-03-6	1.56	17.2	39.7	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Tetrachloro-m-xylene	877-09-8	104	70-130	
Decachlorobiphenyl	2051-24-3	110	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	112	50-200	

Date Prepared: 10/13/2014

Date Analyzed: 10/13/2014

Preparation Method: EPA 3545 A

Analytical Method: EPA 8081B

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 15:22	Sample ID: B-3 0'-2'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-15 % Solid:87.01
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	6.87	11.5	<11.5	ug/kg dry	
Aroclor-1260	11096-82-5	4.20	11.5	<11.5	ug/kg dry	
Aroclor-1221	11104-28-2	4.60	11.5	<11.5	ug/kg dry	
Aroclor-1232	11141-16-5	4.60	11.5	<11.5	ug/kg dry	
Aroclor-1242	53469-21-9	4.60	11.5	<11.5	ug/kg dry	
Aroclor-1248	12672-29-6	4.60	11.5	<11.5	ug/kg dry	
Aroclor-1254	11097-69-1	4.60	11.5	<11.5	ug/kg dry	
Aroclor-1262	37324-23-5	4.60	11.5	<11.5	ug/kg dry	
Aroclor-1268	11100-14-4	4.60	11.5	<11.5	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Tetrachloro-m-xylene	877-09-8	90	70-130	
Decachlorobiphenyl	2051-24-3	91	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	107	50-200	

Date Prepared: 10/13/2014

Date Analyzed: 10/14/2014

Preparation Method: EPA 3545 A

Analytical Method: EPA 8082 A

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 15:22	Sample ID: B-3 0'-2'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-15 % Solid:87.01
Matrix: Soil	ELAP: #11693

Total Metals Analysis

Parameter	Date Analyzed	Method	MDL	LOQ	Result	Units	Flag
Aluminum	10/09/2014	EPA 6010 C	0.69	10.8	6230	mg/kg dry	
Antimony	10/09/2014	EPA 6010 C	0.75	1.81	<1.81	mg/kg dry	
Arsenic	10/09/2014	EPA 6010 C	0.19	1.81	3.04	mg/kg dry	
Barium	10/09/2014	EPA 6010 C	0.34	1.81	218	mg/kg dry	
Beryllium	10/09/2014	EPA 6010 C	0.19	1.81	<1.81	mg/kg dry	
Cadmium	10/09/2014	EPA 6010 C	0.19	1.79	<1.79	mg/kg dry	
Calcium	10/09/2014	EPA 6010 C	0.566	10.8	7190	mg/kg dry	
Chromium	10/09/2014	EPA 6010 C	0.18	1.81	14.7	mg/kg dry	
Cobalt	10/09/2014	EPA 6010 C	0.177	1.81	6.24	mg/kg dry	
Copper	10/09/2014	EPA 6010 C	0.16	1.81	27.2	mg/kg dry	
Iron	10/09/2014	EPA 6010 C	7.13	54.2	19200	mg/kg dry	3.E
Lead	10/09/2014	EPA 6010 C	0.18	1.81	151	mg/kg dry	
Magnesium	10/09/2014	EPA 6010 C	0.705	5.42	2000	mg/kg dry	
Manganese	10/09/2014	EPA 6010 C	0.25	1.81	277	mg/kg dry	
Nickel	10/09/2014	EPA 6010 C	0.21	1.81	9.39	mg/kg dry	
Potassium	10/09/2014	EPA 6010 C	1.73	10.8	948	mg/kg dry	
Selenium	10/09/2014	EPA 6010 C	0.61	1.81	<1.81	mg/kg dry	
Silver	10/09/2014	EPA 6010 C	0.15	1.81	<1.81	mg/kg dry	
Sodium	10/09/2014	EPA 6010 C	0.896	5.42	153	mg/kg dry	
Thallium	10/09/2014	EPA 6010 C	1.24	1.81	<1.81	mg/kg dry	
Vanadium	10/09/2014	EPA 6010 C	0.21	1.81	22.0	mg/kg dry	
Zinc	10/09/2014	EPA 6010 C	0.47	1.81	196	mg/kg dry	

Date Prepared: 10/09/2014 Preparation Method: EPA 3050B

Parameter	Date Analyzed	Method	MDL	LOQ	Result	Units	Flag
Mercury	10/10/2014	EPA 7471 B	0.002	0.02	0.56	mg/kg dry	3.E

Date Prepared: 10/09/2014 Preparation Method: EPA 7471 B

Parameter	Date Analyzed	Method	MDL	LOQ	Result	Units	Flag
Cyanide	10/15/2014	EPA 9014	0.01	0.11	0.12	mg/kg dry	

Date Prepared: 10/13/2014 Preparation Method: Distillation Prep

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 15:30	Sample ID: B-3 10'-12'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-16 % Solid:88.78
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Dichlorodifluoromethane	75-71-8	0.615	5.63	<5.63	ug/kg dry	4.J, 5.L
Chlorodifluoromethane	75-45-6	0.657	5.63	<5.63	ug/kg dry	2.B, 5.L
Chloromethane	74-87-3	0.720	5.63	<5.63	ug/kg dry	5.L
Vinyl chloride	75-01-4	0.428	5.63	<5.63	ug/kg dry	5.L
Bromomethane	74-83-9	1.87	5.63	<5.63	ug/kg dry	5.L
Chloroethane	75-00-3	0.384	5.63	<5.63	ug/kg dry	5.L
Trichlorofluoromethane	75-69-4	0.583	5.63	<5.63	ug/kg dry	5.L
Acetone	67-64-1	6.56	56.3	<56.3	ug/kg dry	5.L
1,1-Dichloroethylene	75-35-4	0.499	5.63	<5.63	ug/kg dry	5.L
tert-Butyl alcohol	75-65-0	1.95	5.63	<5.63	ug/kg dry	5.L
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	0.481	5.63	<5.63	ug/kg dry	5.L
Acrylonitrile	107-13-1	0.716	5.63	<5.63	ug/kg dry	5.L
Methylene Chloride	75-09-2	1.26	5.63	<5.63	ug/kg dry	5.L
Carbon disulfide	75-15-0	0.399	5.63	<5.63	ug/kg dry	5.L
Methyl-tert-Butyl Ether	1634-04-4	0.433	5.63	<5.63	ug/kg dry	5.L
trans-1,2-Dichloroethylene	156-60-5	0.520	5.63	<5.63	ug/kg dry	5.L
1,1-Dichloroethane	75-34-3	0.616	5.63	<5.63	ug/kg dry	5.L
Methyl Ethyl Ketone (2-Butanone)	78-93-3	1.69	11.3	<11.3	ug/kg dry	4.J, 5.L
cis-1,2-Dichloroethylene	156-59-2	0.479	5.63	<5.63	ug/kg dry	5.L
2,2-Dichloropropane	594-20-7	0.356	5.63	<5.63	ug/kg dry	5.L
Bromochloromethane	74-97-5	0.667	5.63	<5.63	ug/kg dry	5.L
Chloroform	67-66-3	0.598	5.63	<5.63	ug/kg dry	5.L
1,1,1-Trichloroethane	71-55-6	0.416	5.63	<5.63	ug/kg dry	5.L
1,2-Dichloroethane	107-06-2	0.550	5.63	<5.63	ug/kg dry	5.L
1,1-Dichloropropylene	563-58-6	0.532	5.63	<5.63	ug/kg dry	5.L
Carbon Tetrachloride	56-23-5	0.540	5.63	<5.63	ug/kg dry	5.L
Benzene	71-43-2	0.407	5.63	<5.63	ug/kg dry	5.L
Trichloroethylene	79-01-6	0.615	5.63	<5.63	ug/kg dry	5.L
1,2-Dichloropropane	78-87-5	0.585	5.63	<5.63	ug/kg dry	5.L
Dibromomethane	74-95-3	0.458	5.63	<5.63	ug/kg dry	4.J, 5.L

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 15:30	Sample ID: B-3 10'-12'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-16 % Solid:88.78
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
1,4-Dioxane	123-91-1	26.0	56.3	<56.3	ug/kg dry	5.L
Bromodichloromethane	75-27-4	0.484	5.63	<5.63	ug/kg dry	5.L
4-Methyl-2-Pentanone	108-10-1	0.645	11.3	<11.3	ug/kg dry	4.J, 5.L
cis-1,3-Dichloropropylene	10061-01-5	0.483	5.63	<5.63	ug/kg dry	5.L
Toluene	108-88-3	0.440	5.63	<5.63	ug/kg dry	5.L
trans-1,3-Dichloropropylene	10061-02-6	0.376	5.63	<5.63	ug/kg dry	5.L
1,1,2-Trichloroethane	79-00-5	0.519	5.63	<5.63	ug/kg dry	5.L
Methyl Butyl Ketone (2-Hexanone)	591-78-6	0.787	5.63	<5.63	ug/kg dry	4.J, 5.L
1,3-Dichloropropane	142-28-9	0.413	5.63	<5.63	ug/kg dry	5.L
Dibromochloromethane	124-48-1	0.368	5.63	<5.63	ug/kg dry	5.L
Tetrachloroethylene	127-18-4	0.529	5.63	<5.63	ug/kg dry	5.L
1,2-Dibromoethane	106-93-4	0.478	5.63	<5.63	ug/kg dry	5.L
Chlorobenzene	108-90-7	0.479	5.63	<5.63	ug/kg dry	5.L
1,1,1,2-Tetrachloroethane	630-20-6	0.756	5.63	<5.63	ug/kg dry	5.L
Ethylbenzene	100-41-4	0.406	5.63	<5.63	ug/kg dry	5.L
m,p-Xylenes	108-38-3/106-42-3	0.621	11.3	<11.3	ug/kg dry	5.L
Styrene	100-42-5	0.288	5.63	<5.63	ug/kg dry	5.L
o-Xylene	95-47-6	0.283	5.63	<5.63	ug/kg dry	5.L
Bromoform	75-25-2	0.404	5.63	<5.63	ug/kg dry	5.L
1,1,2,2-Tetrachloroethane	79-34-5	0.396	5.63	<5.63	ug/kg dry	5.L
Isopropylbenzene (Cumene)	98-82-8	0.283	5.63	<5.63	ug/kg dry	5.L
1,2,3-Trichloropropane	96-18-4	0.623	5.63	<5.63	ug/kg dry	5.L
Bromobenzene	108-86-1	0.374	5.63	<5.63	ug/kg dry	5.L
n-Propylbenzene	103-65-1	0.392	5.63	<5.63	ug/kg dry	5.L
2-Chlorotoluene	95-49-8	0.436	5.63	<5.63	ug/kg dry	5.L
4-Ethyltoluene	622-96-8	0.412	5.63	<5.63	ug/kg dry	2.B, 5.L
4-Chlorotoluene	106-43-4	0.345	5.63	<5.63	ug/kg dry	5.L
1,3,5-Trimethylbenzene	108-67-8	0.358	5.63	<5.63	ug/kg dry	5.L
tert-Butylbenzene	98-06-6	0.511	5.63	<5.63	ug/kg dry	5.L

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 15:30	Sample ID: B-3 10'-12'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-16 % Solid:88.78
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
1,2,4-Trimethylbenzene	95-63-6	0.393	5.63	<5.63	ug/kg dry	5.L
sec-Butylbenzene	135-98-8	0.350	5.63	<5.63	ug/kg dry	5.L
1,3-Dichlorobenzene	541-73-1	1.60	28.2	<28.2	ug/kg dry	5.L, 3.A
4-Isopropyltoluene	99-87-6	2.22	28.2	<28.2	ug/kg dry	3.A, 5.L
1,4-Dichlorobenzene	106-46-7	2.29	28.2	<28.2	ug/kg dry	3.A, 5.L
1,2-Dichlorobenzene	95-50-1	2.43	28.2	<28.2	ug/kg dry	3.A, 5.L
1,4-Diethylbenzene	105-05-5	1.44	28.2	<28.2	ug/kg dry	2.B, 3.A, 5.L
n-Butylbenzene	104-51-8	1.70	28.2	<28.2	ug/kg dry	3.A, 5.L
1,2-Dibromo-3-chloropropane	96-12-8	3.46	28.2	<28.2	ug/kg dry	3.A, 5.L
1,2,4,5-Tetramethylbenzene	95-93-2	1.48	28.2	<28.2	ug/kg dry	2.B, 3.A, 5.L
1,2,4-Trichlorobenzene	120-82-1	1.73	28.2	<28.2	ug/kg dry	3.A, 5.L
Naphthalene	91-20-3	3.32	28.2	<28.2	ug/kg dry	3.A, 5.L
Hexachlorobutadiene	87-68-3	1.63	28.2	<28.2	ug/kg dry	3.A, 5.L
1,2,3-Trichlorobenzene	87-61-6	3.14	28.2	<28.2	ug/kg dry	3.A, 5.L

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Dibromofluoromethane	1868-53-7	123	70-130	
1,2-Dichloroethane-d4	10706-07-0	101	70-130	
Toluene-d8	2037-26-5	100	70-130	
4-Bromofluorobenzene	460-00-4	104	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
Pentafluorobenzene	363-72-4	59	50-200	
1,4-Difluorobenzene	540-36-3	68	50-200	
Chlorobenzene-d5	3114-55-4	69	50-200	
1,4-Dichlorobenzene-d4	3855-82-1	96	50-200	

Date Prepared: 10/09/2014

Date Analyzed: 10/10/2014

Preparation Method: EPA 5035A-L

Analytical Method: EPA 8260 C

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 15:30	Sample ID: B-3 10'-12'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-16 % Solid:88.78
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Pyridine	110-86-1	19.1	152	<152	ug/kg dry	
N-Nitrosodimethylamine	62-75-9	31.5	45.1	<45.1	ug/kg dry	
Phenol	108-95-2	18.0	45.1	<45.1	ug/kg dry	
Aniline	62-53-3	15.8	45.1	<45.1	ug/kg dry	
2-Chlorophenol	95-57-8	20.3	45.1	<45.1	ug/kg dry	
Bis(2-Chloroethyl)ether	111-44-4	29.3	45.1	<45.1	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	18.0	45.1	<45.1	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	21.4	45.1	<45.1	ug/kg dry	
Benzyl alcohol	100-51-6	16.9	45.1	<45.1	ug/kg dry	
1,2-Dichlorobenzene	95-50-1	18.0	45.1	<45.1	ug/kg dry	
2-Methylphenol	95-48-7	25.9	45.1	<45.1	ug/kg dry	
Bis(2-chloroisopropyl)ether	39638-32-9	28.2	45.1	<45.1	ug/kg dry	4.N
Hexachloroethane	67-72-1	22.5	45.1	<45.1	ug/kg dry	
3/4-Methylphenol	108-39-4/106-44-5	20.3	45.1	<45.1	ug/kg dry	
N-Nitroso-di-n-propylamine	621-64-7	16.9	45.1	<45.1	ug/kg dry	
Nitrobenzene	98-95-3	20.3	45.1	<45.1	ug/kg dry	
Isophorone	78-59-1	15.8	45.1	<45.1	ug/kg dry	
2-Nitrophenol	88-75-5	31.5	45.1	<45.1	ug/kg dry	
2,4-Dimethylphenol	105-67-9	32.7	45.1	<45.1	ug/kg dry	
Benzoic Acid	65-85-0	27.0	45.1	<45.1	ug/kg dry	4.M
bis(2-Chloroethoxy)methane	111-91-1	22.5	45.1	<45.1	ug/kg dry	
2,4-Dichlorophenol	120-83-2	15.8	45.1	<45.1	ug/kg dry	
1,2,4-Trichlorobenzene	120-82-1	22.5	45.1	<45.1	ug/kg dry	
Naphthalene	91-20-3	18.0	45.1	<45.1	ug/kg dry	
4-Chloroaniline	106-47-8	15.8	45.1	<45.1	ug/kg dry	
Hexachlorobutadiene	87-68-3	31.5	45.1	<45.1	ug/kg dry	
4-Chloro-3-methylphenol	59-50-7	34.9	45.1	<45.1	ug/kg dry	
2-Methylnaphthalene	91-57-6	23.7	45.1	<45.1	ug/kg dry	
Hexachlorocyclopentadiene	77-47-4	20.3	45.1	<45.1	ug/kg dry	
2,4,6-Trichlorophenol	88-06-2	20.3	45.1	<45.1	ug/kg dry	

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 15:30	Sample ID: B-3 10'-12'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-16 % Solid:88.78
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
2,4,5-Trichlorophenol	95-95-4	28.2	45.1	<45.1	ug/kg dry	
2-Chloronaphthalene	91-58-7	15.8	45.1	<45.1	ug/kg dry	
2-Nitroaniline	88-74-4	38.3	45.1	<45.1	ug/kg dry	
Dimethyl phthalate	131-11-3	19.1	45.1	<45.1	ug/kg dry	
Acenaphthylene	208-96-8	24.8	45.1	<45.1	ug/kg dry	
2,6-Dinitrotoluene	606-20-2	23.7	45.1	<45.1	ug/kg dry	
3-Nitroaniline	99-09-2	36.0	45.1	<45.1	ug/kg dry	
Acenaphthene	83-32-9	25.9	45.1	<45.1	ug/kg dry	
2,4-Dinitrophenol	51-28-5	15.8	152	<152	ug/kg dry	
Dibenzofuran	132-64-9	21.4	45.1	<45.1	ug/kg dry	
4-Nitrophenol	100-02-7	18.0	152	<152	ug/kg dry	
2,4-Dinitrotoluene	121-14-2	15.8	45.1	<45.1	ug/kg dry	
Fluorene	86-73-7	24.8	45.1	<45.1	ug/kg dry	
Diethyl phthalate	84-66-2	22.5	45.1	<45.1	ug/kg dry	
4-Chlorophenyl phenyl ether	7005-72-3	21.4	45.1	<45.1	ug/kg dry	
4-Nitroaniline	100-01-6	22.5	45.1	<45.1	ug/kg dry	
4,6-Dinitro-2-methylphenol	534-52-1	20.3	152	<152	ug/kg dry	
N-Nitrosodiphenylamine	86-30-6	20.3	45.1	<45.1	ug/kg dry	
4-Bromophenyl phenyl ether	101-55-3	20.3	45.1	<45.1	ug/kg dry	
Hexachlorobenzene	118-74-1	22.5	45.1	<45.1	ug/kg dry	
Pentachlorophenol	87-86-5	19.1	45.1	69.8	ug/kg dry	
Phenanthrene	85-01-8	24.8	45.1	<45.1	ug/kg dry	
Anthracene	120-12-7	20.3	45.1	<45.1	ug/kg dry	
Carbazole	86-74-8	19.1	45.1	<45.1	ug/kg dry	
Di-n-butyl phthalate	84-74-2	24.8	45.1	<45.1	ug/kg dry	
Parathion (ethyl)	56-38-2	58.6	67.6	<67.6	ug/kg dry	
Fluoranthene	206-44-0	22.5	45.1	<45.1	ug/kg dry	
Pyrene	129-00-0	23.7	45.1	<45.1	ug/kg dry	
Butyl benzyl phthalate	85-68-7	21.4	45.1	110	ug/kg dry	4.K

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 15:30	Sample ID: B-3 10'-12'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-16 % Solid:88.78
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Benzo(a)anthracene	56-55-3	27.0	45.1	<45.1	ug/kg dry	
Chrysene	218-01-9	23.7	45.1	<45.1	ug/kg dry	
3,3'-Dichlorobenzidine	91-94-1	15.8	45.1	<45.1	ug/kg dry	
Bis(2-Ethylhexyl)phthalate	117-81-7	23.7	45.1	136	ug/kg dry	4.K
Di-n-octyl phthalate	117-84-0	15.8	45.1	<45.1	ug/kg dry	
Benzo(b)fluoranthene	205-99-2	20.3	45.1	<45.1	ug/kg dry	
Benzo(k)fluoranthene	207-08-9	25.9	45.1	<45.1	ug/kg dry	
Benzo(a)pyrene	50-32-8	23.7	45.1	<45.1	ug/kg dry	
Indeno(1,2,3-cd)pyrene	193-39-5	30.4	45.1	<45.1	ug/kg dry	
Dibenzo(a,h)anthracene	53-70-3	29.3	45.1	<45.1	ug/kg dry	
Benzo(g,h,i)perylene	191-24-2	25.9	45.1	<45.1	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2-Fluorophenol	367-12-4	63	25-121	
Phenol-d6	13127-88-3	65	24-113	
Nitrobenzene-d5	4165-60-0	63	23-120	
2-Fluorobiphenyl	321-60-8	69	30-115	
2,4,6-Tribromophenol	118-79-6	82	19-122	
Terphenyl-d14	1718-51-0	71	18-137	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	82	50-200	
Naphthalene-d8	1146-65-2	84	50-200	
Acenaphthene-d10	15067-26-2	86	50-200	
Phenanthrene-d10	1517-22-2	86	50-200	
Chrysene-d12	1719-03-5	89	50-200	
Perylene-d12	1520-96-3	88	50-200	

Date Prepared: 10/10/2014

Date Analyzed: 10/14/2014

Preparation Method: EPA 3545 A

Analytical Method: EPA 8270 D

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 15:30	Sample ID: B-3 10'-12'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-16 % Solid:88.78
Matrix: Soil	ELAP: #11693

Pesticides Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
alpha-BHC	319-84-6	0.274	5.63	<5.63	ug/kg dry	
gamma-BHC	58-89-9	0.279	5.63	<5.63	ug/kg dry	
beta-BHC	319-85-7	0.472	5.63	<5.63	ug/kg dry	
delta-BHC	319-86-8	0.341	5.63	<5.63	ug/kg dry	
Heptachlor	76-44-8	0.310	5.63	<5.63	ug/kg dry	
Aldrin	309-00-2	0.433	5.63	<5.63	ug/kg dry	
Heptachlor Epoxide	1024-57-3	0.500	5.63	<5.63	ug/kg dry	
trans-Chlordane	5103-74-2	0.713	5.63	<5.63	ug/kg dry	
cis-Chlordane	5103-71-9	0.476	5.63	<5.63	ug/kg dry	
4,4'-DDE	72-55-9	0.288	3.38	<3.38	ug/kg dry	
Endosulfan I	959-98-8	0.544	5.63	<5.63	ug/kg dry	
Dieldrin	60-57-1	0.449	5.63	<5.63	ug/kg dry	
Endrin	72-20-8	0.516	5.63	<5.63	ug/kg dry	
4,4'-DDD	72-54-8	0.513	3.38	<3.38	ug/kg dry	
Endosulfan II	33213-65-9	0.959	5.63	<5.63	ug/kg dry	
4,4'-DDT	50-29-3	0.745	3.38	<3.38	ug/kg dry	4.M
Endrin Aldehyde	7421-93-4	0.793	5.63	<5.63	ug/kg dry	
Methoxychlor	72-43-5	1.23	5.63	<5.63	ug/kg dry	
Endosulfan Sulfate	1031-07-8	1.32	5.63	<5.63	ug/kg dry	
Endrin Ketone	53494-70-5	1.14	5.63	<5.63	ug/kg dry	
Toxaphene	8001-35-2	7.75	113	<113	ug/kg dry	
Chlordane	12789-03-6	1.53	16.9	<16.9	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Tetrachloro-m-xylene	877-09-8	99	70-130	
Decachlorobiphenyl	2051-24-3	103	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	108	50-200	

Date Prepared: 10/13/2014

Date Analyzed: 10/13/2014

Preparation Method: EPA 3545 A

Analytical Method: EPA 8081B

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 15:30	Sample ID: B-3 10'-12'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-16 % Solid:88.78
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	6.73	11.3	<11.3	ug/kg dry	
Aroclor-1260	11096-82-5	4.12	11.3	<11.3	ug/kg dry	
Aroclor-1221	11104-28-2	4.51	11.3	<11.3	ug/kg dry	
Aroclor-1232	11141-16-5	4.51	11.3	<11.3	ug/kg dry	
Aroclor-1242	53469-21-9	4.51	11.3	<11.3	ug/kg dry	
Aroclor-1248	12672-29-6	4.51	11.3	<11.3	ug/kg dry	
Aroclor-1254	11097-69-1	4.51	11.3	<11.3	ug/kg dry	
Aroclor-1262	37324-23-5	4.51	11.3	<11.3	ug/kg dry	
Aroclor-1268	11100-14-4	4.51	11.3	<11.3	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Tetrachloro-m-xylene	877-09-8	71	70-130	
Decachlorobiphenyl	2051-24-3	73	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	129	50-200	

Date Prepared: 10/13/2014

Date Analyzed: 10/14/2014

Preparation Method: EPA 3545 A

Analytical Method: EPA 8082 A

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 15:30	Sample ID: B-3 10'-12'
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-16 % Solid:88.78
Matrix: Soil	ELAP: #11693

Total Metals Analysis

Parameter	Date Analyzed	Method	MDL	LOQ	Result	Units	Flag
Aluminum	10/09/2014	EPA 6010 C	0.69	10.8	6180	mg/kg dry	
Antimony	10/09/2014	EPA 6010 C	0.74	1.81	<1.81	mg/kg dry	
Arsenic	10/09/2014	EPA 6010 C	0.19	1.81	3.17	mg/kg dry	
Barium	10/09/2014	EPA 6010 C	0.34	1.81	42.5	mg/kg dry	
Beryllium	10/09/2014	EPA 6010 C	0.19	1.81	<1.81	mg/kg dry	
Cadmium	10/09/2014	EPA 6010 C	0.19	1.79	<1.79	mg/kg dry	
Calcium	10/09/2014	EPA 6010 C	0.566	10.8	1300	mg/kg dry	
Chromium	10/09/2014	EPA 6010 C	0.18	1.81	25.8	mg/kg dry	
Cobalt	10/09/2014	EPA 6010 C	0.176	1.81	9.13	mg/kg dry	
Copper	10/09/2014	EPA 6010 C	0.16	1.81	16.6	mg/kg dry	
Iron	10/09/2014	EPA 6010 C	7.12	54.2	28700	mg/kg dry	3.E
Lead	10/09/2014	EPA 6010 C	0.18	1.81	6.69	mg/kg dry	
Magnesium	10/09/2014	EPA 6010 C	0.704	5.42	1930	mg/kg dry	
Manganese	10/09/2014	EPA 6010 C	0.25	1.81	188	mg/kg dry	
Nickel	10/09/2014	EPA 6010 C	0.21	1.81	16.5	mg/kg dry	
Potassium	10/09/2014	EPA 6010 C	1.73	10.8	1210	mg/kg dry	
Selenium	10/09/2014	EPA 6010 C	0.61	1.81	<1.81	mg/kg dry	
Silver	10/09/2014	EPA 6010 C	0.15	1.81	<1.81	mg/kg dry	
Sodium	10/09/2014	EPA 6010 C	0.895	5.42	130	mg/kg dry	
Thallium	10/09/2014	EPA 6010 C	1.24	1.81	<1.81	mg/kg dry	
Vanadium	10/09/2014	EPA 6010 C	0.21	1.81	30.6	mg/kg dry	
Zinc	10/09/2014	EPA 6010 C	0.47	1.81	38.1	mg/kg dry	

Date Prepared: 10/09/2014 Preparation Method: EPA 3050B

Parameter	Date Analyzed	Method	MDL	LOQ	Result	Units	Flag
Mercury	10/10/2014	EPA 7471 B	0.002	0.02	<0.02	mg/kg dry	

Date Prepared: 10/09/2014 Preparation Method: EPA 7471 B

Parameter	Date Analyzed	Method	MDL	LOQ	Result	Units	Flag
Cyanide	10/15/2014	EPA 9014	0.01	0.11	<0.11	mg/kg dry	

Date Prepared: 10/13/2014 Preparation Method: Distillation Prep

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 15:44	Sample ID: MW-1
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-17
Matrix: Non-Potable Water	ELAP: #11693

Volatiles Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Dichlorodifluoromethane	75-71-8	0.160	5.00	<5.00	ug/L	
Chlorodifluoromethane	75-45-6	0.160	5.00	<5.00	ug/L	2.B
Chloromethane	74-87-3	0.420	5.00	<5.00	ug/L	
Vinyl chloride	75-01-4	0.190	5.00	<5.00	ug/L	4.M
Bromomethane	74-83-9	0.290	5.00	<5.00	ug/L	
Chloroethane	75-00-3	0.300	5.00	<5.00	ug/L	
Trichlorofluoromethane	75-69-4	0.180	5.00	<5.00	ug/L	
Acrolein	107-02-8	0.770	5.00	<5.00	ug/L	4.M
Acetone	67-64-1	1.04	10.0	<10.0	ug/L	
1,1-Dichloroethylene	75-35-4	0.190	5.00	<5.00	ug/L	
tert-Butyl alcohol	75-65-0	0.320	5.00	<5.00	ug/L	4.M
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	0.300	5.00	<5.00	ug/L	
Methyl Acetate	79-20-9	0.540	5.00	<5.00	ug/L	
Acrylonitrile	107-13-1	0.380	5.00	<5.00	ug/L	
Methylene Chloride	75-09-2	0.230	5.00	<5.00	ug/L	
Carbon disulfide	75-15-0	0.120	5.00	<5.00	ug/L	
Methyl-tert-Butyl Ether	1634-04-4	0.170	5.00	<5.00	ug/L	
trans-1,2-Dichloroethylene	156-60-5	0.120	5.00	<5.00	ug/L	
1,1-Dichloroethane	75-34-3	0.170	5.00	<5.00	ug/L	
Vinyl acetate	108-05-4	0.190	5.00	<5.00	ug/L	4.S
Methyl Ethyl Ketone (2-Butanone)	78-93-3	1.77	10.0	<10.0	ug/L	
cis-1,2-Dichloroethylene	156-59-2	0.190	5.00	<5.00	ug/L	
2,2-Dichloropropane	594-20-7	0.270	5.00	<5.00	ug/L	4.M
Bromochloromethane	74-97-5	0.190	5.00	<5.00	ug/L	
Chloroform	67-66-3	0.180	5.00	<5.00	ug/L	
1,1,1-Trichloroethane	71-55-6	0.200	5.00	<5.00	ug/L	4.M
1,2-Dichloroethane	107-06-2	0.150	5.00	<5.00	ug/L	
1,1-Dichloropropylene	563-58-6	0.270	5.00	<5.00	ug/L	
Carbon Tetrachloride	56-23-5	0.160	5.00	<5.00	ug/L	4.M
Benzene	71-43-2	0.180	0.700	<0.700	ug/L	

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 15:44	Sample ID: MW-1
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-17
Matrix: Non-Potable Water	ELAP: #11693

Volatiles Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Trichloroethylene	79-01-6	0.160	5.00	<5.00	ug/L	
1,2-Dichloropropane	78-87-5	0.100	5.00	<5.00	ug/L	
Dibromomethane	74-95-3	0.240	5.00	<5.00	ug/L	
Bromodichloromethane	75-27-4	0.210	5.00	<5.00	ug/L	
2-Chloroethyl Vinyl Ether	110-75-8	0.350	5.00	<5.00	ug/L	
4-Methyl-2-Pentanone	108-10-1	0.240	5.00	<5.00	ug/L	
cis-1,3-Dichloropropylene	10061-01-5	0.120	5.00	<5.00	ug/L	
Toluene	108-88-3	0.0800	5.00	<5.00	ug/L	
trans-1,3-Dichloropropylene	10061-02-6	0.100	5.00	<5.00	ug/L	
1,1,2-Trichloroethane	79-00-5	0.190	5.00	<5.00	ug/L	
Methyl Butyl Ketone (2-Hexanone)	591-78-6	0.170	10.0	<10.0	ug/L	
1,3-Dichloropropane	142-28-9	0.110	5.00	<5.00	ug/L	
Dibromochloromethane	124-48-1	0.190	5.00	<5.00	ug/L	
Tetrachloroethylene	127-18-4	0.110	5.00	<5.00	ug/L	
1,2-Dibromoethane	106-93-4	0.160	5.00	<5.00	ug/L	
Chlorobenzene	108-90-7	0.0900	5.00	<5.00	ug/L	
1,1,1,2-Tetrachloroethane	630-20-6	0.240	5.00	<5.00	ug/L	
Ethylbenzene	100-41-4	0.0900	5.00	<5.00	ug/L	
m,p-Xylenes	108-38-3/106-42-3	1.08	10.0	<10.0	ug/L	
Styrene	100-42-5	0.390	5.00	<5.00	ug/L	
o-Xylene	95-47-6	0.110	5.00	<5.00	ug/L	
Bromoform	75-25-2	0.440	5.00	<5.00	ug/L	
1,1,2,2-Tetrachloroethane	79-34-5	0.100	5.00	<5.00	ug/L	
Isopropylbenzene (Cumene)	98-82-8	0.0900	5.00	<5.00	ug/L	
1,2,3-Trichloropropane	96-18-4	0.330	5.00	<5.00	ug/L	
Bromobenzene	108-86-1	0.120	5.00	<5.00	ug/L	
n-Propylbenzene	103-65-1	0.0700	5.00	<5.00	ug/L	
2-Chlorotoluene	95-49-8	0.120	5.00	<5.00	ug/L	
4-Ethyltoluene	622-96-8	0.0800	5.00	<5.00	ug/L	2.B

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 15:44	Sample ID: MW-1
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-17
Matrix: Non-Potable Water	ELAP: #11693

Volatiles Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
4-Chlorotoluene	106-43-4	0.430	5.00	<5.00	ug/L	
1,3,5-Trimethylbenzene	108-67-8	0.0800	5.00	<5.00	ug/L	
tert-Butylbenzene	98-06-6	0.130	5.00	<5.00	ug/L	
1,2,4-Trimethylbenzene	95-63-6	0.130	5.00	<5.00	ug/L	
sec-Butylbenzene	135-98-8	0.0800	5.00	<5.00	ug/L	
1,3-Dichlorobenzene	541-73-1	0.140	5.00	<5.00	ug/L	
4-Isopropyltoluene	99-87-6	0.160	5.00	<5.00	ug/L	
1,4-Dichlorobenzene	106-46-7	0.170	5.00	<5.00	ug/L	
1,2-Dichlorobenzene	95-50-1	0.140	5.00	<5.00	ug/L	
1,4-Diethylbenzene	105-05-5	0.130	5.00	<5.00	ug/L	2.B
n-Butylbenzene	104-51-8	0.100	5.00	<5.00	ug/L	
1,2-Dibromo-3-chloropropane	96-12-8	0.400	5.00	<5.00	ug/L	
1,2,4,5-Tetramethylbenzene	95-93-2	0.170	5.00	<5.00	ug/L	2.B
1,2,4-Trichlorobenzene	120-82-1	0.110	5.00	<5.00	ug/L	
Naphthalene	91-20-3	0.210	5.00	<5.00	ug/L	
Hexachlorobutadiene	87-68-3	0.240	5.00	<5.00	ug/L	
1,2,3-Trichlorobenzene	87-61-6	0.250	5.00	<5.00	ug/L	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Dibromofluoromethane	1868-53-7	115	70-130	
1,2-Dichloroethane-d4	10706-07-0	115	70-130	
Toluene-d8	2037-26-5	98	70-130	
4-Bromofluorobenzene	460-00-4	106	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
Pentafluorobenzene	363-72-4	91	50-200	
1,4-Difluorobenzene	540-36-3	92	50-200	
Chlorobenzene-d5	3114-55-4	89	50-200	
1,4-Dichlorobenzene-d4	3855-82-1	88	50-200	

Date Prepared: 10/08/2014

Date Analyzed: 10/08/2014

Preparation Method: EPA 5030 C

Analytical Method: EPA 8260 C

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 15:44	Sample ID: MW-1
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-17
Matrix: Non-Potable Water	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Pyridine	110-86-1	1.30	5.00	<5.00	ug/L	
N-Nitrosodimethylamine	62-75-9	1.40	5.00	<5.00	ug/L	
Phenol	108-95-2	2.10	5.00	<5.00	ug/L	
Aniline	62-53-3	1.50	5.00	<5.00	ug/L	
2-Chlorophenol	95-57-8	1.10	5.00	<5.00	ug/L	
Bis(2-Chloroethyl)ether	111-44-4	1.50	5.00	<5.00	ug/L	
1,3-Dichlorobenzene	541-73-1	1.00	5.00	<5.00	ug/L	
1,4-Dichlorobenzene	106-46-7	1.80	5.00	<5.00	ug/L	
Benzyl alcohol	100-51-6	1.10	5.00	<5.00	ug/L	
1,2-Dichlorobenzene	95-50-1	1.40	5.00	<5.00	ug/L	
2-Methylphenol	95-48-7	1.70	5.00	<5.00	ug/L	
Bis(2-chloroisopropyl)ether	39638-32-9	1.60	5.00	<5.00	ug/L	
Hexachloroethane	67-72-1	1.40	5.00	<5.00	ug/L	
3/4-Methylphenol	108-39-4/106-44-5	2.10	5.00	<5.00	ug/L	
N-Nitroso-di-n-propylamine	621-64-7	2.20	5.00	<5.00	ug/L	
Nitrobenzene	98-95-3	3.30	5.00	<5.00	ug/L	
Isophorone	78-59-1	1.90	5.00	<5.00	ug/L	
2-Nitrophenol	88-75-5	0.800	5.00	<5.00	ug/L	
2,4-Dimethylphenol	105-67-9	1.70	5.00	<5.00	ug/L	
Benzoic Acid	65-85-0	1.20	10.0	13.7	ug/L	4.K
bis(2-Chloroethoxy)methane	111-91-1	1.10	5.00	<5.00	ug/L	
2,4-Dichlorophenol	120-83-2	1.30	5.00	<5.00	ug/L	
1,2,4-Trichlorobenzene	120-82-1	0.900	5.00	<5.00	ug/L	
Naphthalene	91-20-3	0.800	5.00	<5.00	ug/L	
4-Chloroaniline	106-47-8	1.00	5.00	<5.00	ug/L	
Hexachlorobutadiene	87-68-3	1.30	5.00	<5.00	ug/L	
4-Chloro-3-methylphenol	59-50-7	1.20	5.00	<5.00	ug/L	
2-Methylnaphthalene	91-57-6	1.90	5.00	<5.00	ug/L	
Hexachlorocyclopentadiene	77-47-4	1.00	5.00	<5.00	ug/L	
2,4,6-Trichlorophenol	88-06-2	0.900	5.00	<5.00	ug/L	

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 15:44	Sample ID: MW-1
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-17
Matrix: Non-Potable Water	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
2,4,5-Trichlorophenol	95-95-4	1.90	5.00	<5.00	ug/L	
2-Chloronaphthalene	91-58-7	1.40	5.00	<5.00	ug/L	
2-Nitroaniline	88-74-4	3.00	5.00	<5.00	ug/L	
Dimethyl phthalate	131-11-3	0.800	5.00	<5.00	ug/L	
Acenaphthylene	208-96-8	1.60	5.00	<5.00	ug/L	
2,6-Dinitrotoluene	606-20-2	1.00	5.00	<5.00	ug/L	
3-Nitroaniline	99-09-2	1.10	5.00	<5.00	ug/L	
Acenaphthene	83-32-9	0.900	5.00	<5.00	ug/L	
2,4-Dinitrophenol	51-28-5	1.30	10.0	<10.0	ug/L	4.M
Dibenzofuran	132-64-9	1.80	5.00	<5.00	ug/L	
4-Nitrophenol	100-02-7	1.80	5.00	<5.00	ug/L	
2,4-Dinitrotoluene	121-14-2	1.00	5.00	<5.00	ug/L	
Fluorene	86-73-7	1.70	5.00	<5.00	ug/L	
Diethyl phthalate	84-66-2	0.800	5.00	<5.00	ug/L	
4-Chlorophenyl phenyl ether	7005-72-3	1.50	5.00	<5.00	ug/L	
4-Nitroaniline	100-01-6	1.80	5.00	<5.00	ug/L	
4,6-Dinitro-2-methylphenol	534-52-1	1.80	5.00	<5.00	ug/L	4.M
N-Nitrosodiphenylamine	86-30-6	1.20	5.00	<5.00	ug/L	
4-Bromophenyl phenyl ether	101-55-3	1.50	5.00	<5.00	ug/L	
Hexachlorobenzene	118-74-1	1.10	5.00	<5.00	ug/L	
Pentachlorophenol	87-86-5	1.50	5.00	<5.00	ug/L	
Phenanthrene	85-01-8	1.30	5.00	<5.00	ug/L	
Anthracene	120-12-7	1.40	5.00	<5.00	ug/L	
Carbazole	86-74-8	0.900	5.00	<5.00	ug/L	
Di-n-butyl phthalate	84-74-2	1.40	5.00	<5.00	ug/L	
Fluoranthene	206-44-0	1.10	5.00	<5.00	ug/L	
Pyrene	129-00-0	1.40	5.00	<5.00	ug/L	
Butyl benzyl phthalate	85-68-7	2.00	5.00	<5.00	ug/L	
Benzo(a)anthracene	56-55-3	1.40	5.00	<5.00	ug/L	

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 15:44	Sample ID: MW-1
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-17
Matrix: Non-Potable Water	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Chrysene	218-01-9	1.30	5.00	<5.00	ug/L	
3,3'-Dichlorobenzidine	91-94-1	1.50	5.00	<5.00	ug/L	
Bis(2-Ethylhexyl)phthalate	117-81-7	1.40	5.00	<5.00	ug/L	
Di-n-octyl phthalate	117-84-0	0.800	5.00	<5.00	ug/L	
Benzo(b)fluoranthene	205-99-2	0.800	5.00	<5.00	ug/L	
Benzo(k)fluoranthene	207-08-9	1.40	5.00	<5.00	ug/L	
Benzo(a)pyrene	50-32-8	1.30	5.00	<5.00	ug/L	
Indeno(1,2,3-cd)pyrene	193-39-5	1.00	5.00	<5.00	ug/L	
Dibenzo(a,h)anthracene	53-70-3	1.20	5.00	<5.00	ug/L	
Benzo(g,h,i)perylene	191-24-2	0.900	5.00	<5.00	ug/L	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2-Fluorophenol	367-12-4	34	21-110	
Phenol-d6	13127-88-3	28	10-110	
Nitrobenzene-d5	4165-60-0	57	35-120	
2-Fluorobiphenyl	321-60-8	43	43-116	
2,4,6-Tribromophenol	118-79-6	64	10-123	
Terphenyl-d14	1718-51-0	60	33-141	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	136	50-200	
Naphthalene-d8	1146-65-2	135	50-200	
Acenaphthene-d10	15067-26-2	134	50-200	
Phenanthrene-d10	1517-22-2	135	50-200	
Chrysene-d12	1719-03-5	147	50-200	
Perylene-d12	1520-96-3	189	50-200	

Date Prepared: 10/09/2014

Date Analyzed: 10/10/2014

Preparation Method: EPA 3510C

Analytical Method: EPA 8270 D

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 15:44	Sample ID: MW-1
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-17
Matrix: Non-Potable Water	ELAP: #11693

Pesticides Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
alpha-BHC	319-84-6	0.04	1.00	<1.00	ug/L	
gamma-BHC	58-89-9	0.04	1.00	<1.00	ug/L	
beta-BHC	319-85-7	0.02	1.00	<1.00	ug/L	
delta-BHC	319-86-8	0.06	1.00	<1.00	ug/L	
Heptachlor	76-44-8	0.05	1.00	<1.00	ug/L	
Aldrin	309-00-2	0.04	1.00	<1.00	ug/L	
Heptachlor Epoxide	1024-57-3	0.04	1.00	<1.00	ug/L	
trans-Chlordane	5103-74-2	0.03	1.00	<1.00	ug/L	
cis-Chlordane	5103-71-9	0.04	1.00	<1.00	ug/L	
4,4'-DDE	72-55-9	0.05	1.00	<1.00	ug/L	
Endosulfan I	959-98-8	0.04	1.00	<1.00	ug/L	
Dieldrin	60-57-1	0.04	1.00	<1.00	ug/L	
Endrin	72-20-8	0.05	1.00	<1.00	ug/L	
4,4'-DDD	72-54-8	0.04	1.00	<1.00	ug/L	
Endosulfan II	33213-65-9	0.05	1.00	<1.00	ug/L	
4,4'-DDT	50-29-3	0.10	1.00	<1.00	ug/L	
Endrin Aldehyde	7421-93-4	0.04	1.00	<1.00	ug/L	
Methoxychlor	72-43-5	0.11	1.00	<1.00	ug/L	
Endosulfan Sulfate	1031-07-8	0.06	1.00	<1.00	ug/L	
Endrin Ketone	53494-70-5	0.05	1.00	<1.00	ug/L	
Toxaphene	8001-35-2	0.06	2.00	<2.00	ug/L	
Chlordane	12789-03-6	0.02	2.00	<2.00	ug/L	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Tetrachloro-m-xylene	877-09-8	92	70-130	
Decachlorobiphenyl	2051-24-3	90	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	114	50-200	

Date Prepared: 10/10/2014

Date Analyzed: 10/10/2014

Preparation Method: EPA 3510C

Analytical Method: EPA 8081B

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 15:44	Sample ID: MW-1
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-17
Matrix: Non-Potable Water	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	0.130	0.500	<0.500	ug/L	
Aroclor-1260	11096-82-5	0.100	0.500	<0.500	ug/L	
Aroclor-1221	11104-28-2	0.0350	0.500	<0.500	ug/L	
Aroclor-1232	11141-16-5	0.0350	0.500	<0.500	ug/L	
Aroclor-1242	53469-21-9	0.0350	0.500	<0.500	ug/L	
Aroclor-1248	12672-29-6	0.0350	0.500	<0.500	ug/L	
Aroclor-1254	11097-69-1	0.0350	0.500	<0.500	ug/L	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Tetrachloro-m-xylene	877-09-8	83	70-130	
Decachlorobiphenyl	2051-24-3	83	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	133	50-200	

Date Prepared: 10/10/2014

Date Analyzed: 10/11/2014

Preparation Method: EPA 608

Analytical Method: EPA 608

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 15:44	Sample ID: MW-1
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-17
Matrix: Non-Potable Water	ELAP: #11693

Total Metals Analysis

Parameter	Date Analyzed	Method	MDL	LOQ	Result	Units	Flag
Aluminum	10/13/2014	EPA 200.7 Rev. 4.4	0.15	0.50	807	mg/L	3.E
Calcium	10/09/2014	EPA 200.7 Rev. 4.4	0.01	0.10	172	mg/L	
Antimony	10/09/2014	EPA 200.7 Rev. 4.4	0.005	0.05	<0.05	mg/L	
Arsenic	10/09/2014	EPA 200.7 Rev. 4.4	0.005	0.05	<0.05	mg/L	
Barium	10/09/2014	EPA 200.7 Rev. 4.4	0.0002	0.05	3.85	mg/L	
Beryllium	10/09/2014	EPA 200.7 Rev. 4.4	0.00005	0.02	0.04	mg/L	
Cadmium	10/09/2014	EPA 200.7 Rev. 4.4	0.0002	0.005	0.02	mg/L	
Chromium	10/09/2014	EPA 200.7 Rev. 4.4	0.01	0.05	1.58	mg/L	
Cobalt	10/09/2014	EPA 200.7 Rev. 4.4	0.001	0.05	0.42	mg/L	
Copper	10/09/2014	EPA 200.7 Rev. 4.4	0.006	0.02	1.24	mg/L	
Iron	10/13/2014	EPA 200.7 Rev. 4.4	1.40	2.50	1530	mg/L	3.E
Lead	10/09/2014	EPA 200.7 Rev. 4.4	0.002	0.050	0.482	mg/L	
Magnesium	10/09/2014	EPA 200.7 Rev. 4.4	0.004	0.10	137	mg/L	
Manganese	10/09/2014	EPA 200.7 Rev. 4.4	0.005	0.01	9.10	mg/L	
Nickel	10/09/2014	EPA 200.7 Rev. 4.4	0.003	0.05	0.87	mg/L	
Potassium	10/13/2014	EPA 200.7 Rev. 4.4	0.06	2.50	119	mg/L	3.E
Selenium	10/09/2014	EPA 200.7 Rev. 4.4	0.006	0.02	<0.02	mg/L	
Silver	10/09/2014	EPA 200.7 Rev. 4.4	0.005	0.005	<0.005	mg/L	
Sodium	10/09/2014	EPA 200.7 Rev. 4.4	0.05	0.10	32.2	mg/L	
Thallium	10/09/2014	EPA 200.7 Rev. 4.4	0.01	0.05	0.18	mg/L	
Vanadium	10/09/2014	EPA 200.7 Rev. 4.4	0.002	0.05	1.22	mg/L	
Zinc	10/09/2014	EPA 200.7 Rev. 4.4	0.005	0.05	3.26	mg/L	

Date Prepared: 10/09/2014 Preparation Method: EPA 200.2

Parameter	Date Analyzed	Method	MDL	LOQ	Result	Units	Flag
Mercury	10/08/2014	EPA 245.1 Rev. 3.0	0.0002	0.002	<0.002	mg/L	4.E

Date Prepared: 10/08/2014 Preparation Method: EPA 245.1

Parameter	Date Analyzed	Method	MDL	LOQ	Result	Units	Flag
Cyanide	10/15/2014	SM 18-21 4500-CN E (99)	0.0004	0.002	<0.002	mg/L	

Date Prepared: 10/14/2014 Preparation Method: Distillation Prep

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 14:07	Sample ID: MW-2
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-18
Matrix: Non-Potable Water	ELAP: #11693

Volatiles Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Dichlorodifluoromethane	75-71-8	0.160	5.00	<5.00	ug/L	
Chlorodifluoromethane	75-45-6	0.160	5.00	<5.00	ug/L	2.B
Chloromethane	74-87-3	0.420	5.00	<5.00	ug/L	
Vinyl chloride	75-01-4	0.190	5.00	<5.00	ug/L	4.M
Bromomethane	74-83-9	0.290	5.00	<5.00	ug/L	
Chloroethane	75-00-3	0.300	5.00	<5.00	ug/L	
Trichlorofluoromethane	75-69-4	0.180	5.00	<5.00	ug/L	
Acrolein	107-02-8	0.770	5.00	<5.00	ug/L	4.M
Acetone	67-64-1	1.04	10.0	<10.0	ug/L	
1,1-Dichloroethylene	75-35-4	0.190	5.00	<5.00	ug/L	
tert-Butyl alcohol	75-65-0	0.320	5.00	<5.00	ug/L	4.M
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	0.300	5.00	<5.00	ug/L	
Methyl Acetate	79-20-9	0.540	5.00	<5.00	ug/L	
Acrylonitrile	107-13-1	0.380	5.00	<5.00	ug/L	
Methylene Chloride	75-09-2	0.230	5.00	<5.00	ug/L	
Carbon disulfide	75-15-0	0.120	5.00	<5.00	ug/L	
Methyl-tert-Butyl Ether	1634-04-4	0.170	5.00	<5.00	ug/L	
trans-1,2-Dichloroethylene	156-60-5	0.120	5.00	<5.00	ug/L	
1,1-Dichloroethane	75-34-3	0.170	5.00	<5.00	ug/L	
Vinyl acetate	108-05-4	0.190	5.00	<5.00	ug/L	4.S
Methyl Ethyl Ketone (2-Butanone)	78-93-3	1.77	10.0	<10.0	ug/L	
cis-1,2-Dichloroethylene	156-59-2	0.190	5.00	<5.00	ug/L	
2,2-Dichloropropane	594-20-7	0.270	5.00	<5.00	ug/L	4.M
Bromochloromethane	74-97-5	0.190	5.00	<5.00	ug/L	
Chloroform	67-66-3	0.180	5.00	<5.00	ug/L	
1,1,1-Trichloroethane	71-55-6	0.200	5.00	<5.00	ug/L	4.M
1,2-Dichloroethane	107-06-2	0.150	5.00	<5.00	ug/L	
1,1-Dichloropropylene	563-58-6	0.270	5.00	<5.00	ug/L	
Carbon Tetrachloride	56-23-5	0.160	5.00	<5.00	ug/L	4.M
Benzene	71-43-2	0.180	0.700	<0.700	ug/L	

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 14:07	Sample ID: MW-2
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-18
Matrix: Non-Potable Water	ELAP: #11693

Volatiles Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Trichloroethylene	79-01-6	0.160	5.00	111	ug/L	
1,2-Dichloropropane	78-87-5	0.100	5.00	<5.00	ug/L	
Dibromomethane	74-95-3	0.240	5.00	<5.00	ug/L	
Bromodichloromethane	75-27-4	0.210	5.00	<5.00	ug/L	
2-Chloroethyl Vinyl Ether	110-75-8	0.350	5.00	<5.00	ug/L	
4-Methyl-2-Pentanone	108-10-1	0.240	5.00	<5.00	ug/L	
cis-1,3-Dichloropropylene	10061-01-5	0.120	5.00	<5.00	ug/L	
Toluene	108-88-3	0.0800	5.00	<5.00	ug/L	
trans-1,3-Dichloropropylene	10061-02-6	0.100	5.00	<5.00	ug/L	
1,1,2-Trichloroethane	79-00-5	0.190	5.00	<5.00	ug/L	
Methyl Butyl Ketone (2-Hexanone)	591-78-6	0.170	10.0	<10.0	ug/L	
1,3-Dichloropropane	142-28-9	0.110	5.00	<5.00	ug/L	
Dibromochloromethane	124-48-1	0.190	5.00	<5.00	ug/L	
Tetrachloroethylene	127-18-4	0.110	5.00	<5.00	ug/L	
1,2-Dibromoethane	106-93-4	0.160	5.00	<5.00	ug/L	
Chlorobenzene	108-90-7	0.0900	5.00	<5.00	ug/L	
1,1,1,2-Tetrachloroethane	630-20-6	0.240	5.00	<5.00	ug/L	
Ethylbenzene	100-41-4	0.0900	5.00	<5.00	ug/L	
m,p-Xylenes	108-38-3/106-42-3	1.08	10.0	<10.0	ug/L	
Styrene	100-42-5	0.390	5.00	<5.00	ug/L	
o-Xylene	95-47-6	0.110	5.00	<5.00	ug/L	
Bromoform	75-25-2	0.440	5.00	<5.00	ug/L	
1,1,2,2-Tetrachloroethane	79-34-5	0.100	5.00	<5.00	ug/L	
Isopropylbenzene (Cumene)	98-82-8	0.0900	5.00	<5.00	ug/L	
1,2,3-Trichloropropane	96-18-4	0.330	5.00	<5.00	ug/L	
Bromobenzene	108-86-1	0.120	5.00	<5.00	ug/L	
n-Propylbenzene	103-65-1	0.0700	5.00	<5.00	ug/L	
2-Chlorotoluene	95-49-8	0.120	5.00	<5.00	ug/L	
4-Ethyltoluene	622-96-8	0.0800	5.00	<5.00	ug/L	2.B

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 14:07	Sample ID: MW-2
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-18
Matrix: Non-Potable Water	ELAP: #11693

Volatiles Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
4-Chlorotoluene	106-43-4	0.430	5.00	<5.00	ug/L	
1,3,5-Trimethylbenzene	108-67-8	0.0800	5.00	<5.00	ug/L	
tert-Butylbenzene	98-06-6	0.130	5.00	<5.00	ug/L	
1,2,4-Trimethylbenzene	95-63-6	0.130	5.00	<5.00	ug/L	
sec-Butylbenzene	135-98-8	0.0800	5.00	<5.00	ug/L	
1,3-Dichlorobenzene	541-73-1	0.140	5.00	<5.00	ug/L	
4-Isopropyltoluene	99-87-6	0.160	5.00	<5.00	ug/L	
1,4-Dichlorobenzene	106-46-7	0.170	5.00	<5.00	ug/L	
1,2-Dichlorobenzene	95-50-1	0.140	5.00	<5.00	ug/L	
1,4-Diethylbenzene	105-05-5	0.130	5.00	<5.00	ug/L	2.B
n-Butylbenzene	104-51-8	0.100	5.00	<5.00	ug/L	
1,2-Dibromo-3-chloropropane	96-12-8	0.400	5.00	<5.00	ug/L	
1,2,4,5-Tetramethylbenzene	95-93-2	0.170	5.00	<5.00	ug/L	2.B
1,2,4-Trichlorobenzene	120-82-1	0.110	5.00	<5.00	ug/L	
Naphthalene	91-20-3	0.210	5.00	<5.00	ug/L	
Hexachlorobutadiene	87-68-3	0.240	5.00	<5.00	ug/L	
1,2,3-Trichlorobenzene	87-61-6	0.250	5.00	<5.00	ug/L	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Dibromofluoromethane	1868-53-7	112	70-130	
1,2-Dichloroethane-d4	10706-07-0	115	70-130	
Toluene-d8	2037-26-5	95	70-130	
4-Bromofluorobenzene	460-00-4	113	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
Pentafluorobenzene	363-72-4	92	50-200	
1,4-Difluorobenzene	540-36-3	90	50-200	
Chlorobenzene-d5	3114-55-4	90	50-200	
1,4-Dichlorobenzene-d4	3855-82-1	82	50-200	

Date Prepared: 10/08/2014

Date Analyzed: 10/08/2014

Preparation Method: EPA 5030 C

Analytical Method: EPA 8260 C

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 14:07	Sample ID: MW-2
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-18
Matrix: Non-Potable Water	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Pyridine	110-86-1	1.30	5.00	<5.00	ug/L	
N-Nitrosodimethylamine	62-75-9	1.40	5.00	<5.00	ug/L	
Phenol	108-95-2	2.10	5.00	<5.00	ug/L	
Aniline	62-53-3	1.50	5.00	<5.00	ug/L	
2-Chlorophenol	95-57-8	1.10	5.00	<5.00	ug/L	
Bis(2-Chloroethyl)ether	111-44-4	1.50	5.00	<5.00	ug/L	
1,3-Dichlorobenzene	541-73-1	1.00	5.00	<5.00	ug/L	
1,4-Dichlorobenzene	106-46-7	1.80	5.00	<5.00	ug/L	
Benzyl alcohol	100-51-6	1.10	5.00	<5.00	ug/L	
1,2-Dichlorobenzene	95-50-1	1.40	5.00	<5.00	ug/L	
2-Methylphenol	95-48-7	1.70	5.00	<5.00	ug/L	
Bis(2-chloroisopropyl)ether	39638-32-9	1.60	5.00	<5.00	ug/L	
Hexachloroethane	67-72-1	1.40	5.00	<5.00	ug/L	
3/4-Methylphenol	108-39-4/106-44-5	2.10	5.00	<5.00	ug/L	
N-Nitroso-di-n-propylamine	621-64-7	2.20	5.00	<5.00	ug/L	
Nitrobenzene	98-95-3	3.30	5.00	<5.00	ug/L	
Isophorone	78-59-1	1.90	5.00	<5.00	ug/L	
2-Nitrophenol	88-75-5	0.800	5.00	<5.00	ug/L	
2,4-Dimethylphenol	105-67-9	1.70	5.00	<5.00	ug/L	
Benzoic Acid	65-85-0	1.20	10.0	10.9	ug/L	4.K
bis(2-Chloroethoxy)methane	111-91-1	1.10	5.00	<5.00	ug/L	
2,4-Dichlorophenol	120-83-2	1.30	5.00	<5.00	ug/L	
1,2,4-Trichlorobenzene	120-82-1	0.900	5.00	<5.00	ug/L	
Naphthalene	91-20-3	0.800	5.00	<5.00	ug/L	
4-Chloroaniline	106-47-8	1.00	5.00	<5.00	ug/L	
Hexachlorobutadiene	87-68-3	1.30	5.00	<5.00	ug/L	
4-Chloro-3-methylphenol	59-50-7	1.20	5.00	<5.00	ug/L	
2-Methylnaphthalene	91-57-6	1.90	5.00	<5.00	ug/L	
Hexachlorocyclopentadiene	77-47-4	1.00	5.00	<5.00	ug/L	
2,4,6-Trichlorophenol	88-06-2	0.900	5.00	<5.00	ug/L	

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 14:07	Sample ID: MW-2
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-18
Matrix: Non-Potable Water	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
2,4,5-Trichlorophenol	95-95-4	1.90	5.00	<5.00	ug/L	
2-Chloronaphthalene	91-58-7	1.40	5.00	<5.00	ug/L	
2-Nitroaniline	88-74-4	3.00	5.00	<5.00	ug/L	
Dimethyl phthalate	131-11-3	0.800	5.00	<5.00	ug/L	
Acenaphthylene	208-96-8	1.60	5.00	<5.00	ug/L	
2,6-Dinitrotoluene	606-20-2	1.00	5.00	<5.00	ug/L	
3-Nitroaniline	99-09-2	1.10	5.00	<5.00	ug/L	
Acenaphthene	83-32-9	0.900	5.00	<5.00	ug/L	
2,4-Dinitrophenol	51-28-5	1.30	10.0	<10.0	ug/L	4.M
Dibenzofuran	132-64-9	1.80	5.00	<5.00	ug/L	
4-Nitrophenol	100-02-7	1.80	5.00	<5.00	ug/L	
2,4-Dinitrotoluene	121-14-2	1.00	5.00	<5.00	ug/L	
Fluorene	86-73-7	1.70	5.00	<5.00	ug/L	
Diethyl phthalate	84-66-2	0.800	5.00	<5.00	ug/L	
4-Chlorophenyl phenyl ether	7005-72-3	1.50	5.00	<5.00	ug/L	
4-Nitroaniline	100-01-6	1.80	5.00	<5.00	ug/L	
4,6-Dinitro-2-methylphenol	534-52-1	1.80	5.00	<5.00	ug/L	4.M
N-Nitrosodiphenylamine	86-30-6	1.20	5.00	<5.00	ug/L	
4-Bromophenyl phenyl ether	101-55-3	1.50	5.00	<5.00	ug/L	
Hexachlorobenzene	118-74-1	1.10	5.00	<5.00	ug/L	
Pentachlorophenol	87-86-5	1.50	5.00	<5.00	ug/L	
Phenanthrene	85-01-8	1.30	5.00	<5.00	ug/L	
Anthracene	120-12-7	1.40	5.00	<5.00	ug/L	
Carbazole	86-74-8	0.900	5.00	<5.00	ug/L	
Di-n-butyl phthalate	84-74-2	1.40	5.00	<5.00	ug/L	
Fluoranthene	206-44-0	1.10	5.00	<5.00	ug/L	
Pyrene	129-00-0	1.40	5.00	<5.00	ug/L	
Butyl benzyl phthalate	85-68-7	2.00	5.00	<5.00	ug/L	
Benzo(a)anthracene	56-55-3	1.40	5.00	<5.00	ug/L	

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 14:07	Sample ID: MW-2
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-18
Matrix: Non-Potable Water	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Chrysene	218-01-9	1.30	5.00	<5.00	ug/L	
3,3'-Dichlorobenzidine	91-94-1	1.50	5.00	<5.00	ug/L	
Bis(2-Ethylhexyl)phthalate	117-81-7	1.40	5.00	<5.00	ug/L	
Di-n-octyl phthalate	117-84-0	0.800	5.00	<5.00	ug/L	
Benzo(b)fluoranthene	205-99-2	0.800	5.00	<5.00	ug/L	
Benzo(k)fluoranthene	207-08-9	1.40	5.00	<5.00	ug/L	
Benzo(a)pyrene	50-32-8	1.30	5.00	<5.00	ug/L	
Indeno(1,2,3-cd)pyrene	193-39-5	1.00	5.00	<5.00	ug/L	
Dibenzo(a,h)anthracene	53-70-3	1.20	5.00	<5.00	ug/L	
Benzo(g,h,i)perylene	191-24-2	0.900	5.00	<5.00	ug/L	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2-Fluorophenol	367-12-4	29	21-110	
Phenol-d6	13127-88-3	24	10-110	
Nitrobenzene-d5	4165-60-0	41	35-120	
2-Fluorobiphenyl	321-60-8	33	43-116	4.L
2,4,6-Tribromophenol	118-79-6	58	10-123	
Terphenyl-d14	1718-51-0	59	33-141	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	142	50-200	
Naphthalene-d8	1146-65-2	140	50-200	
Acenaphthene-d10	15067-26-2	140	50-200	
Phenanthrene-d10	1517-22-2	139	50-200	
Chrysene-d12	1719-03-5	151	50-200	
Perylene-d12	1520-96-3	190	50-200	

Date Prepared: 10/09/2014

Date Analyzed: 10/10/2014

Preparation Method: EPA 3510C

Analytical Method: EPA 8270 D

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 14:07	Sample ID: MW-2
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-18
Matrix: Non-Potable Water	ELAP: #11693

Pesticides Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
alpha-BHC	319-84-6	0.04	1.00	<1.00	ug/L	
gamma-BHC	58-89-9	0.04	1.00	<1.00	ug/L	
beta-BHC	319-85-7	0.02	1.00	<1.00	ug/L	
delta-BHC	319-86-8	0.06	1.00	<1.00	ug/L	
Heptachlor	76-44-8	0.05	1.00	<1.00	ug/L	
Aldrin	309-00-2	0.04	1.00	<1.00	ug/L	
Heptachlor Epoxide	1024-57-3	0.04	1.00	<1.00	ug/L	
trans-Chlordane	5103-74-2	0.03	1.00	<1.00	ug/L	
cis-Chlordane	5103-71-9	0.04	1.00	<1.00	ug/L	
4,4'-DDE	72-55-9	0.05	1.00	<1.00	ug/L	
Endosulfan I	959-98-8	0.04	1.00	<1.00	ug/L	
Dieldrin	60-57-1	0.04	1.00	<1.00	ug/L	
Endrin	72-20-8	0.05	1.00	<1.00	ug/L	
4,4'-DDD	72-54-8	0.04	1.00	<1.00	ug/L	
Endosulfan II	33213-65-9	0.05	1.00	<1.00	ug/L	
4,4'-DDT	50-29-3	0.10	1.00	<1.00	ug/L	
Endrin Aldehyde	7421-93-4	0.04	1.00	<1.00	ug/L	4.G
Methoxychlor	72-43-5	0.11	1.00	<1.00	ug/L	
Endosulfan Sulfate	1031-07-8	0.06	1.00	<1.00	ug/L	
Endrin Ketone	53494-70-5	0.05	1.00	<1.00	ug/L	
Toxaphene	8001-35-2	0.06	2.00	<2.00	ug/L	
Chlordane	12789-03-6	0.02	2.00	<2.00	ug/L	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Tetrachloro-m-xylene	877-09-8	87	70-130	
Decachlorobiphenyl	2051-24-3	88	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	115	50-200	

Date Prepared: 10/10/2014

Date Analyzed: 10/10/2014

Preparation Method: EPA 3510C

Analytical Method: EPA 8081B

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 14:07	Sample ID: MW-2
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-18
Matrix: Non-Potable Water	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	0.130	0.500	<0.500	ug/L	
Aroclor-1260	11096-82-5	0.100	0.500	<0.500	ug/L	
Aroclor-1221	11104-28-2	0.0350	0.500	<0.500	ug/L	
Aroclor-1232	11141-16-5	0.0350	0.500	<0.500	ug/L	
Aroclor-1242	53469-21-9	0.0350	0.500	<0.500	ug/L	
Aroclor-1248	12672-29-6	0.0350	0.500	<0.500	ug/L	
Aroclor-1254	11097-69-1	0.0350	0.500	<0.500	ug/L	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Tetrachloro-m-xylene	877-09-8	79	70-130	
Decachlorobiphenyl	2051-24-3	79	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	134	50-200	

Date Prepared: 10/10/2014

Date Analyzed: 10/11/2014

Preparation Method: EPA 608

Analytical Method: EPA 608

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 14:07	Sample ID: MW-2
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-18
Matrix: Non-Potable Water	ELAP: #11693

Total Metals Analysis

Parameter	Date Analyzed	Method	MDL	LOQ	Result	Units	Flag
Aluminum	10/13/2014	EPA 200.7 Rev. 4.4	0.15	0.50	1010	mg/L	3.E
Calcium	10/09/2014	EPA 200.7 Rev. 4.4	0.01	0.10	190	mg/L	
Antimony	10/09/2014	EPA 200.7 Rev. 4.4	0.005	0.05	<0.05	mg/L	
Arsenic	10/09/2014	EPA 200.7 Rev. 4.4	0.005	0.05	<0.05	mg/L	
Barium	10/13/2014	EPA 200.7 Rev. 4.4	0.002	0.50	22.2	mg/L	3.E
Beryllium	10/09/2014	EPA 200.7 Rev. 4.4	0.00005	0.02	0.06	mg/L	
Cadmium	10/09/2014	EPA 200.7 Rev. 4.4	0.0002	0.005	0.04	mg/L	
Chromium	10/09/2014	EPA 200.7 Rev. 4.4	0.01	0.05	2.69	mg/L	
Cobalt	10/09/2014	EPA 200.7 Rev. 4.4	0.001	0.05	0.84	mg/L	
Copper	10/09/2014	EPA 200.7 Rev. 4.4	0.006	0.02	2.64	mg/L	
Iron	10/13/2014	EPA 200.7 Rev. 4.4	1.40	2.50	2930	mg/L	3.E
Lead	10/09/2014	EPA 200.7 Rev. 4.4	0.002	0.050	1.18	mg/L	
Magnesium	10/13/2014	EPA 200.7 Rev. 4.4	0.04	1.00	352	mg/L	3.E
Manganese	10/13/2014	EPA 200.7 Rev. 4.4	0.25	0.50	172	mg/L	3.E
Nickel	10/09/2014	EPA 200.7 Rev. 4.4	0.003	0.05	1.43	mg/L	
Potassium	10/13/2014	EPA 200.7 Rev. 4.4	0.06	2.50	188	mg/L	3.E
Selenium	10/09/2014	EPA 200.7 Rev. 4.4	0.006	0.02	0.06	mg/L	
Silver	10/09/2014	EPA 200.7 Rev. 4.4	0.005	0.005	0.007	mg/L	
Sodium	10/09/2014	EPA 200.7 Rev. 4.4	0.05	0.10	38.2	mg/L	
Thallium	10/09/2014	EPA 200.7 Rev. 4.4	0.01	0.05	0.08	mg/L	
Vanadium	10/09/2014	EPA 200.7 Rev. 4.4	0.002	0.05	2.01	mg/L	
Zinc	10/09/2014	EPA 200.7 Rev. 4.4	0.005	0.05	4.00	mg/L	

Date Prepared: 10/09/2014 Preparation Method: EPA 200.2

Parameter	Date Analyzed	Method	MDL	LOQ	Result	Units	Flag
Mercury	10/08/2014	EPA 245.1 Rev. 3.0	0.0002	0.002	<0.002	mg/L	4.E

Date Prepared: 10/08/2014 Preparation Method: EPA 245.1

Parameter	Date Analyzed	Method	MDL	LOQ	Result	Units	Flag
Cyanide	10/15/2014	SM 18-21 4500-CN E (99)	0.0004	0.002	<0.002	mg/L	

Date Prepared: 10/14/2014 Preparation Method: Distillation Prep

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 14:30	Sample ID: MW-3
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-19
Matrix: Non-Potable Water	ELAP: #11693

Volatiles Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Dichlorodifluoromethane	75-71-8	0.160	5.00	<5.00	ug/L	
Chlorodifluoromethane	75-45-6	0.160	5.00	<5.00	ug/L	2.B
Chloromethane	74-87-3	0.420	5.00	<5.00	ug/L	
Vinyl chloride	75-01-4	0.190	5.00	<5.00	ug/L	4.M
Bromomethane	74-83-9	0.290	5.00	<5.00	ug/L	
Chloroethane	75-00-3	0.300	5.00	<5.00	ug/L	
Trichlorofluoromethane	75-69-4	0.180	5.00	<5.00	ug/L	
Acrolein	107-02-8	0.770	5.00	<5.00	ug/L	4.M
Acetone	67-64-1	1.04	10.0	<10.0	ug/L	
1,1-Dichloroethylene	75-35-4	0.190	5.00	<5.00	ug/L	
tert-Butyl alcohol	75-65-0	0.320	5.00	<5.00	ug/L	4.M
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	0.300	5.00	<5.00	ug/L	
Methyl Acetate	79-20-9	0.540	5.00	<5.00	ug/L	
Acrylonitrile	107-13-1	0.380	5.00	<5.00	ug/L	
Methylene Chloride	75-09-2	0.230	5.00	<5.00	ug/L	
Carbon disulfide	75-15-0	0.120	5.00	<5.00	ug/L	
Methyl-tert-Butyl Ether	1634-04-4	0.170	5.00	<5.00	ug/L	
trans-1,2-Dichloroethylene	156-60-5	0.120	5.00	<5.00	ug/L	
1,1-Dichloroethane	75-34-3	0.170	5.00	<5.00	ug/L	
Vinyl acetate	108-05-4	0.190	5.00	<5.00	ug/L	4.S
Methyl Ethyl Ketone (2-Butanone)	78-93-3	1.77	10.0	<10.0	ug/L	
cis-1,2-Dichloroethylene	156-59-2	0.190	5.00	<5.00	ug/L	
2,2-Dichloropropane	594-20-7	0.270	5.00	<5.00	ug/L	4.M
Bromochloromethane	74-97-5	0.190	5.00	<5.00	ug/L	
Chloroform	67-66-3	0.180	5.00	<5.00	ug/L	
1,1,1-Trichloroethane	71-55-6	0.200	5.00	<5.00	ug/L	4.M
1,2-Dichloroethane	107-06-2	0.150	5.00	<5.00	ug/L	
1,1-Dichloropropylene	563-58-6	0.270	5.00	<5.00	ug/L	
Carbon Tetrachloride	56-23-5	0.160	5.00	<5.00	ug/L	4.M
Benzene	71-43-2	0.180	0.700	<0.700	ug/L	

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 14:30	Sample ID: MW-3
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-19
Matrix: Non-Potable Water	ELAP: #11693

Volatiles Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Trichloroethylene	79-01-6	0.160	5.00	<5.00	ug/L	
1,2-Dichloropropane	78-87-5	0.100	5.00	<5.00	ug/L	
Dibromomethane	74-95-3	0.240	5.00	<5.00	ug/L	
Bromodichloromethane	75-27-4	0.210	5.00	<5.00	ug/L	
2-Chloroethyl Vinyl Ether	110-75-8	0.350	5.00	<5.00	ug/L	
4-Methyl-2-Pentanone	108-10-1	0.240	5.00	<5.00	ug/L	
cis-1,3-Dichloropropylene	10061-01-5	0.120	5.00	<5.00	ug/L	
Toluene	108-88-3	0.0800	5.00	<5.00	ug/L	
trans-1,3-Dichloropropylene	10061-02-6	0.100	5.00	<5.00	ug/L	
1,1,2-Trichloroethane	79-00-5	0.190	5.00	<5.00	ug/L	
Methyl Butyl Ketone (2-Hexanone)	591-78-6	0.170	10.0	<10.0	ug/L	
1,3-Dichloropropane	142-28-9	0.110	5.00	<5.00	ug/L	
Dibromochloromethane	124-48-1	0.190	5.00	<5.00	ug/L	
Tetrachloroethylene	127-18-4	0.110	5.00	<5.00	ug/L	
1,2-Dibromoethane	106-93-4	0.160	5.00	<5.00	ug/L	
Chlorobenzene	108-90-7	0.0900	5.00	<5.00	ug/L	
1,1,1,2-Tetrachloroethane	630-20-6	0.240	5.00	<5.00	ug/L	
Ethylbenzene	100-41-4	0.0900	5.00	<5.00	ug/L	
m,p-Xylenes	108-38-3/106-42-3	1.08	10.0	<10.0	ug/L	
Styrene	100-42-5	0.390	5.00	<5.00	ug/L	
o-Xylene	95-47-6	0.110	5.00	<5.00	ug/L	
Bromoform	75-25-2	0.440	5.00	<5.00	ug/L	
1,1,2,2-Tetrachloroethane	79-34-5	0.100	5.00	<5.00	ug/L	
Isopropylbenzene (Cumene)	98-82-8	0.0900	5.00	<5.00	ug/L	
1,2,3-Trichloropropane	96-18-4	0.330	5.00	<5.00	ug/L	
Bromobenzene	108-86-1	0.120	5.00	<5.00	ug/L	
n-Propylbenzene	103-65-1	0.0700	5.00	<5.00	ug/L	
2-Chlorotoluene	95-49-8	0.120	5.00	<5.00	ug/L	
4-Ethyltoluene	622-96-8	0.0800	5.00	<5.00	ug/L	2.B

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 14:30	Sample ID: MW-3
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-19
Matrix: Non-Potable Water	ELAP: #11693

Volatiles Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
4-Chlorotoluene	106-43-4	0.430	5.00	<5.00	ug/L	
1,3,5-Trimethylbenzene	108-67-8	0.0800	5.00	<5.00	ug/L	
tert-Butylbenzene	98-06-6	0.130	5.00	<5.00	ug/L	
1,2,4-Trimethylbenzene	95-63-6	0.130	5.00	<5.00	ug/L	
sec-Butylbenzene	135-98-8	0.0800	5.00	<5.00	ug/L	
1,3-Dichlorobenzene	541-73-1	0.140	5.00	<5.00	ug/L	
4-Isopropyltoluene	99-87-6	0.160	5.00	<5.00	ug/L	
1,4-Dichlorobenzene	106-46-7	0.170	5.00	<5.00	ug/L	
1,2-Dichlorobenzene	95-50-1	0.140	5.00	<5.00	ug/L	
1,4-Diethylbenzene	105-05-5	0.130	5.00	<5.00	ug/L	2.B
n-Butylbenzene	104-51-8	0.100	5.00	<5.00	ug/L	
1,2-Dibromo-3-chloropropane	96-12-8	0.400	5.00	<5.00	ug/L	
1,2,4,5-Tetramethylbenzene	95-93-2	0.170	5.00	<5.00	ug/L	2.B
1,2,4-Trichlorobenzene	120-82-1	0.110	5.00	<5.00	ug/L	
Naphthalene	91-20-3	0.210	5.00	<5.00	ug/L	
Hexachlorobutadiene	87-68-3	0.240	5.00	<5.00	ug/L	
1,2,3-Trichlorobenzene	87-61-6	0.250	5.00	<5.00	ug/L	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Dibromofluoromethane	1868-53-7	118	70-130	
1,2-Dichloroethane-d4	10706-07-0	116	70-130	
Toluene-d8	2037-26-5	93	70-130	
4-Bromofluorobenzene	460-00-4	110	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
Pentafluorobenzene	363-72-4	91	50-200	
1,4-Difluorobenzene	540-36-3	93	50-200	
Chlorobenzene-d5	3114-55-4	91	50-200	
1,4-Dichlorobenzene-d4	3855-82-1	85	50-200	

Date Prepared: 10/08/2014

Date Analyzed: 10/08/2014

Preparation Method: EPA 5030 C

Analytical Method: EPA 8260 C

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 14:30	Sample ID: MW-3
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-19
Matrix: Non-Potable Water	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Pyridine	110-86-1	1.30	5.00	<5.00	ug/L	
N-Nitrosodimethylamine	62-75-9	1.40	5.00	<5.00	ug/L	
Phenol	108-95-2	2.10	5.00	<5.00	ug/L	
Aniline	62-53-3	1.50	5.00	<5.00	ug/L	
2-Chlorophenol	95-57-8	1.10	5.00	<5.00	ug/L	
Bis(2-Chloroethyl)ether	111-44-4	1.50	5.00	<5.00	ug/L	
1,3-Dichlorobenzene	541-73-1	1.00	5.00	<5.00	ug/L	
1,4-Dichlorobenzene	106-46-7	1.80	5.00	<5.00	ug/L	
Benzyl alcohol	100-51-6	1.10	5.00	<5.00	ug/L	
1,2-Dichlorobenzene	95-50-1	1.40	5.00	<5.00	ug/L	
2-Methylphenol	95-48-7	1.70	5.00	<5.00	ug/L	
Bis(2-chloroisopropyl)ether	39638-32-9	1.60	5.00	<5.00	ug/L	
Hexachloroethane	67-72-1	1.40	5.00	<5.00	ug/L	
3/4-Methylphenol	108-39-4/106-44-5	2.10	5.00	<5.00	ug/L	
N-Nitroso-di-n-propylamine	621-64-7	2.20	5.00	<5.00	ug/L	
Nitrobenzene	98-95-3	3.30	5.00	<5.00	ug/L	
Isophorone	78-59-1	1.90	5.00	<5.00	ug/L	
2-Nitrophenol	88-75-5	0.800	5.00	<5.00	ug/L	
2,4-Dimethylphenol	105-67-9	1.70	5.00	<5.00	ug/L	
Benzoic Acid	65-85-0	1.20	10.0	14.9	ug/L	4.K
bis(2-Chloroethoxy)methane	111-91-1	1.10	5.00	<5.00	ug/L	
2,4-Dichlorophenol	120-83-2	1.30	5.00	<5.00	ug/L	
1,2,4-Trichlorobenzene	120-82-1	0.900	5.00	<5.00	ug/L	
Naphthalene	91-20-3	0.800	5.00	<5.00	ug/L	
4-Chloroaniline	106-47-8	1.00	5.00	<5.00	ug/L	
Hexachlorobutadiene	87-68-3	1.30	5.00	<5.00	ug/L	
4-Chloro-3-methylphenol	59-50-7	1.20	5.00	<5.00	ug/L	
2-Methylnaphthalene	91-57-6	1.90	5.00	<5.00	ug/L	
Hexachlorocyclopentadiene	77-47-4	1.00	5.00	<5.00	ug/L	
2,4,6-Trichlorophenol	88-06-2	0.900	5.00	<5.00	ug/L	

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 14:30	Sample ID: MW-3
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-19
Matrix: Non-Potable Water	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
2,4,5-Trichlorophenol	95-95-4	1.90	5.00	<5.00	ug/L	
2-Chloronaphthalene	91-58-7	1.40	5.00	<5.00	ug/L	
2-Nitroaniline	88-74-4	3.00	5.00	<5.00	ug/L	
Dimethyl phthalate	131-11-3	0.800	5.00	<5.00	ug/L	
Acenaphthylene	208-96-8	1.60	5.00	<5.00	ug/L	
2,6-Dinitrotoluene	606-20-2	1.00	5.00	<5.00	ug/L	
3-Nitroaniline	99-09-2	1.10	5.00	<5.00	ug/L	
Acenaphthene	83-32-9	0.900	5.00	<5.00	ug/L	
2,4-Dinitrophenol	51-28-5	1.30	10.0	<10.0	ug/L	4.M
Dibenzofuran	132-64-9	1.80	5.00	<5.00	ug/L	
4-Nitrophenol	100-02-7	1.80	5.00	<5.00	ug/L	
2,4-Dinitrotoluene	121-14-2	1.00	5.00	<5.00	ug/L	
Fluorene	86-73-7	1.70	5.00	<5.00	ug/L	
Diethyl phthalate	84-66-2	0.800	5.00	<5.00	ug/L	
4-Chlorophenyl phenyl ether	7005-72-3	1.50	5.00	<5.00	ug/L	
4-Nitroaniline	100-01-6	1.80	5.00	<5.00	ug/L	
4,6-Dinitro-2-methylphenol	534-52-1	1.80	5.00	<5.00	ug/L	4.M
N-Nitrosodiphenylamine	86-30-6	1.20	5.00	<5.00	ug/L	
4-Bromophenyl phenyl ether	101-55-3	1.50	5.00	<5.00	ug/L	
Hexachlorobenzene	118-74-1	1.10	5.00	<5.00	ug/L	
Pentachlorophenol	87-86-5	1.50	5.00	<5.00	ug/L	
Phenanthrene	85-01-8	1.30	5.00	<5.00	ug/L	
Anthracene	120-12-7	1.40	5.00	<5.00	ug/L	
Carbazole	86-74-8	0.900	5.00	<5.00	ug/L	
Di-n-butyl phthalate	84-74-2	1.40	5.00	<5.00	ug/L	
Fluoranthene	206-44-0	1.10	5.00	<5.00	ug/L	
Pyrene	129-00-0	1.40	5.00	<5.00	ug/L	
Butyl benzyl phthalate	85-68-7	2.00	5.00	<5.00	ug/L	
Benzo(a)anthracene	56-55-3	1.40	5.00	<5.00	ug/L	

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 14:30	Sample ID: MW-3
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-19
Matrix: Non-Potable Water	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Chrysene	218-01-9	1.30	5.00	<5.00	ug/L	
3,3'-Dichlorobenzidine	91-94-1	1.50	5.00	<5.00	ug/L	
Bis(2-Ethylhexyl)phthalate	117-81-7	1.40	5.00	<5.00	ug/L	
Di-n-octyl phthalate	117-84-0	0.800	5.00	<5.00	ug/L	
Benzo(b)fluoranthene	205-99-2	0.800	5.00	<5.00	ug/L	
Benzo(k)fluoranthene	207-08-9	1.40	5.00	<5.00	ug/L	
Benzo(a)pyrene	50-32-8	1.30	5.00	<5.00	ug/L	
Indeno(1,2,3-cd)pyrene	193-39-5	10.0	50.0	<50.0	ug/L	3.A
Dibenzo(a,h)anthracene	53-70-3	12.0	50.0	<50.0	ug/L	3.A
Benzo(g,h,i)perylene	191-24-2	9.00	50.0	<50.0	ug/L	3.A

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2-Fluorophenol	367-12-4	38	21-110	
Phenol-d6	13127-88-3	32	10-110	
Nitrobenzene-d5	4165-60-0	54	35-120	
2-Fluorobiphenyl	321-60-8	42	43-116	4.L
2,4,6-Tribromophenol	118-79-6	65	10-123	
Terphenyl-d14	1718-51-0	60	33-141	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	152	50-200	
Naphthalene-d8	1146-65-2	151	50-200	
Acenaphthene-d10	15067-26-2	150	50-200	
Phenanthrene-d10	1517-22-2	151	50-200	
Chrysene-d12	1719-03-5	170	50-200	
Perylene-d12	1520-96-3	188	50-200	

Date Prepared: 10/09/2014

Date Analyzed: 10/13/2014

Preparation Method: EPA 3510C

Analytical Method: EPA 8270 D

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 14:30	Sample ID: MW-3
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-19
Matrix: Non-Potable Water	ELAP: #11693

Pesticides Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
alpha-BHC	319-84-6	0.04	1.00	<1.00	ug/L	
gamma-BHC	58-89-9	0.04	1.00	<1.00	ug/L	
beta-BHC	319-85-7	0.02	1.00	<1.00	ug/L	
delta-BHC	319-86-8	0.06	1.00	<1.00	ug/L	
Heptachlor	76-44-8	0.05	1.00	<1.00	ug/L	
Aldrin	309-00-2	0.04	1.00	<1.00	ug/L	
Heptachlor Epoxide	1024-57-3	0.04	1.00	<1.00	ug/L	
trans-Chlordane	5103-74-2	0.03	1.00	<1.00	ug/L	
cis-Chlordane	5103-71-9	0.04	1.00	<1.00	ug/L	
4,4'-DDE	72-55-9	0.05	1.00	<1.00	ug/L	
Endosulfan I	959-98-8	0.04	1.00	<1.00	ug/L	
Dieldrin	60-57-1	0.04	1.00	<1.00	ug/L	
Endrin	72-20-8	0.05	1.00	<1.00	ug/L	
4,4'-DDD	72-54-8	0.04	1.00	<1.00	ug/L	
Endosulfan II	33213-65-9	0.05	1.00	<1.00	ug/L	
4,4'-DDT	50-29-3	0.10	1.00	<1.00	ug/L	
Endrin Aldehyde	7421-93-4	0.04	1.00	<1.00	ug/L	
Methoxychlor	72-43-5	0.11	1.00	<1.00	ug/L	
Endosulfan Sulfate	1031-07-8	0.06	1.00	<1.00	ug/L	
Endrin Ketone	53494-70-5	0.05	1.00	<1.00	ug/L	
Toxaphene	8001-35-2	0.06	2.00	<2.00	ug/L	
Chlordane	12789-03-6	0.02	2.00	<2.00	ug/L	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Tetrachloro-m-xylene	877-09-8	90	70-130	
Decachlorobiphenyl	2051-24-3	88	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	113	50-200	

Date Prepared: 10/10/2014

Date Analyzed: 10/10/2014

Preparation Method: EPA 3510C

Analytical Method: EPA 8081B

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 14:30	Sample ID: MW-3
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-19
Matrix: Non-Potable Water	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	0.130	0.500	<0.500	ug/L	
Aroclor-1260	11096-82-5	0.100	0.500	<0.500	ug/L	
Aroclor-1221	11104-28-2	0.0350	0.500	<0.500	ug/L	
Aroclor-1232	11141-16-5	0.0350	0.500	<0.500	ug/L	
Aroclor-1242	53469-21-9	0.0350	0.500	<0.500	ug/L	
Aroclor-1248	12672-29-6	0.0350	0.500	<0.500	ug/L	
Aroclor-1254	11097-69-1	0.0350	0.500	<0.500	ug/L	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Tetrachloro-m-xylene	877-09-8	82	70-130	
Decachlorobiphenyl	2051-24-3	82	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	132	50-200	

Date Prepared: 10/10/2014

Date Analyzed: 10/11/2014

Preparation Method: EPA 608

Analytical Method: EPA 608

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 14:30	Sample ID: MW-3
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-19
Matrix: Non-Potable Water	ELAP: #11693

Total Metals Analysis

Parameter	Date Analyzed	Method	MDL	LOQ	Result	Units	Flag
Aluminum	10/13/2014	EPA 200.7 Rev. 4.4	0.15	0.50	560	mg/L	3.E
Calcium	10/09/2014	EPA 200.7 Rev. 4.4	0.01	0.10	135	mg/L	
Antimony	10/09/2014	EPA 200.7 Rev. 4.4	0.005	0.05	<0.05	mg/L	
Arsenic	10/09/2014	EPA 200.7 Rev. 4.4	0.005	0.05	0.09	mg/L	
Barium	10/09/2014	EPA 200.7 Rev. 4.4	0.0002	0.05	4.39	mg/L	
Beryllium	10/09/2014	EPA 200.7 Rev. 4.4	0.00005	0.02	0.02	mg/L	
Cadmium	10/09/2014	EPA 200.7 Rev. 4.4	0.0002	0.005	0.02	mg/L	
Chromium	10/09/2014	EPA 200.7 Rev. 4.4	0.01	0.05	1.50	mg/L	
Cobalt	10/09/2014	EPA 200.7 Rev. 4.4	0.001	0.05	0.47	mg/L	
Copper	10/09/2014	EPA 200.7 Rev. 4.4	0.006	0.02	1.04	mg/L	
Iron	10/13/2014	EPA 200.7 Rev. 4.4	0.28	0.50	983	mg/L	3.E
Lead	10/09/2014	EPA 200.7 Rev. 4.4	0.002	0.050	0.481	mg/L	
Magnesium	10/09/2014	EPA 200.7 Rev. 4.4	0.004	0.10	88.2	mg/L	
Manganese	10/13/2014	EPA 200.7 Rev. 4.4	0.05	0.10	22.2	mg/L	3.E
Nickel	10/09/2014	EPA 200.7 Rev. 4.4	0.003	0.05	0.95	mg/L	
Potassium	10/13/2014	EPA 200.7 Rev. 4.4	0.06	2.50	65.4	mg/L	3.E
Selenium	10/09/2014	EPA 200.7 Rev. 4.4	0.006	0.02	0.03	mg/L	
Silver	10/09/2014	EPA 200.7 Rev. 4.4	0.005	0.005	<0.005	mg/L	
Sodium	10/09/2014	EPA 200.7 Rev. 4.4	0.05	0.10	25.1	mg/L	
Thallium	10/09/2014	EPA 200.7 Rev. 4.4	0.01	0.05	0.05	mg/L	
Vanadium	10/09/2014	EPA 200.7 Rev. 4.4	0.002	0.05	1.67	mg/L	
Zinc	10/09/2014	EPA 200.7 Rev. 4.4	0.005	0.05	1.99	mg/L	

Date Prepared: 10/09/2014 Preparation Method: EPA 200.2

Parameter	Date Analyzed	Method	MDL	LOQ	Result	Units	Flag
Mercury	10/08/2014	EPA 245.1 Rev. 3.0	0.0002	0.002	<0.002	mg/L	4.E

Date Prepared: 10/08/2014 Preparation Method: EPA 245.1

Parameter	Date Analyzed	Method	MDL	LOQ	Result	Units	Flag
Cyanide	10/15/2014	SM 18-21 4500-CN E (99)	0.0004	0.002	<0.002	mg/L	

Date Prepared: 10/14/2014 Preparation Method: Distillation Prep

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 13:45	Sample ID: DUP-1
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-20
Matrix: Non-Potable Water	ELAP: #11693

Volatiles Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Dichlorodifluoromethane	75-71-8	0.160	5.00	<5.00	ug/L	
Chlorodifluoromethane	75-45-6	0.160	5.00	<5.00	ug/L	2.B
Chloromethane	74-87-3	0.420	5.00	<5.00	ug/L	
Vinyl chloride	75-01-4	0.190	5.00	<5.00	ug/L	4.M
Bromomethane	74-83-9	0.290	5.00	<5.00	ug/L	
Chloroethane	75-00-3	0.300	5.00	<5.00	ug/L	
Trichlorofluoromethane	75-69-4	0.180	5.00	<5.00	ug/L	
Acrolein	107-02-8	0.770	5.00	<5.00	ug/L	4.M
Acetone	67-64-1	1.04	10.0	<10.0	ug/L	
1,1-Dichloroethylene	75-35-4	0.190	5.00	<5.00	ug/L	
tert-Butyl alcohol	75-65-0	0.320	5.00	<5.00	ug/L	4.M
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	0.300	5.00	<5.00	ug/L	
Methyl Acetate	79-20-9	0.540	5.00	<5.00	ug/L	
Acrylonitrile	107-13-1	0.380	5.00	<5.00	ug/L	
Methylene Chloride	75-09-2	0.230	5.00	<5.00	ug/L	
Carbon disulfide	75-15-0	0.120	5.00	<5.00	ug/L	
Methyl-tert-Butyl Ether	1634-04-4	0.170	5.00	<5.00	ug/L	
trans-1,2-Dichloroethylene	156-60-5	0.120	5.00	<5.00	ug/L	
1,1-Dichloroethane	75-34-3	0.170	5.00	<5.00	ug/L	
Vinyl acetate	108-05-4	0.190	5.00	<5.00	ug/L	4.S
Methyl Ethyl Ketone (2-Butanone)	78-93-3	1.77	10.0	<10.0	ug/L	
cis-1,2-Dichloroethylene	156-59-2	0.190	5.00	<5.00	ug/L	
2,2-Dichloropropane	594-20-7	0.270	5.00	<5.00	ug/L	4.M
Bromochloromethane	74-97-5	0.190	5.00	<5.00	ug/L	
Chloroform	67-66-3	0.180	5.00	<5.00	ug/L	
1,1,1-Trichloroethane	71-55-6	0.200	5.00	<5.00	ug/L	4.M
1,2-Dichloroethane	107-06-2	0.150	5.00	<5.00	ug/L	
1,1-Dichloropropylene	563-58-6	0.270	5.00	<5.00	ug/L	
Carbon Tetrachloride	56-23-5	0.160	5.00	<5.00	ug/L	4.M
Benzene	71-43-2	0.180	0.700	<0.700	ug/L	

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 13:45	Sample ID: DUP-1
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-20
Matrix: Non-Potable Water	ELAP: #11693

Volatiles Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Trichloroethylene	79-01-6	0.160	5.00	170	ug/L	
1,2-Dichloropropane	78-87-5	0.100	5.00	<5.00	ug/L	
Dibromomethane	74-95-3	0.240	5.00	<5.00	ug/L	
Bromodichloromethane	75-27-4	0.210	5.00	<5.00	ug/L	
2-Chloroethyl Vinyl Ether	110-75-8	0.350	5.00	<5.00	ug/L	
4-Methyl-2-Pentanone	108-10-1	0.240	5.00	<5.00	ug/L	
cis-1,3-Dichloropropylene	10061-01-5	0.120	5.00	<5.00	ug/L	
Toluene	108-88-3	0.0800	5.00	<5.00	ug/L	
trans-1,3-Dichloropropylene	10061-02-6	0.100	5.00	<5.00	ug/L	
1,1,2-Trichloroethane	79-00-5	0.190	5.00	<5.00	ug/L	
Methyl Butyl Ketone (2-Hexanone)	591-78-6	0.170	10.0	<10.0	ug/L	
1,3-Dichloropropane	142-28-9	0.110	5.00	<5.00	ug/L	
Dibromochloromethane	124-48-1	0.190	5.00	<5.00	ug/L	
Tetrachloroethylene	127-18-4	0.110	5.00	<5.00	ug/L	
1,2-Dibromoethane	106-93-4	0.160	5.00	<5.00	ug/L	
Chlorobenzene	108-90-7	0.0900	5.00	<5.00	ug/L	
1,1,1,2-Tetrachloroethane	630-20-6	0.240	5.00	<5.00	ug/L	
Ethylbenzene	100-41-4	0.0900	5.00	<5.00	ug/L	
m,p-Xylenes	108-38-3/106-42-3	1.08	10.0	<10.0	ug/L	
Styrene	100-42-5	0.390	5.00	<5.00	ug/L	
o-Xylene	95-47-6	0.110	5.00	<5.00	ug/L	
Bromoform	75-25-2	0.440	5.00	<5.00	ug/L	
1,1,2,2-Tetrachloroethane	79-34-5	0.100	5.00	<5.00	ug/L	
Isopropylbenzene (Cumene)	98-82-8	0.0900	5.00	<5.00	ug/L	
1,2,3-Trichloropropane	96-18-4	0.330	5.00	<5.00	ug/L	
Bromobenzene	108-86-1	0.120	5.00	<5.00	ug/L	
n-Propylbenzene	103-65-1	0.0700	5.00	<5.00	ug/L	
2-Chlorotoluene	95-49-8	0.120	5.00	<5.00	ug/L	
4-Ethyltoluene	622-96-8	0.0800	5.00	<5.00	ug/L	2.B

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 13:45	Sample ID: DUP-1
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-20
Matrix: Non-Potable Water	ELAP: #11693

Volatiles Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
4-Chlorotoluene	106-43-4	0.430	5.00	<5.00	ug/L	
1,3,5-Trimethylbenzene	108-67-8	0.0800	5.00	<5.00	ug/L	
tert-Butylbenzene	98-06-6	0.130	5.00	<5.00	ug/L	
1,2,4-Trimethylbenzene	95-63-6	0.130	5.00	<5.00	ug/L	
sec-Butylbenzene	135-98-8	0.0800	5.00	<5.00	ug/L	
1,3-Dichlorobenzene	541-73-1	0.140	5.00	<5.00	ug/L	
4-Isopropyltoluene	99-87-6	0.160	5.00	<5.00	ug/L	
1,4-Dichlorobenzene	106-46-7	0.170	5.00	<5.00	ug/L	
1,2-Dichlorobenzene	95-50-1	0.140	5.00	<5.00	ug/L	
1,4-Diethylbenzene	105-05-5	0.130	5.00	<5.00	ug/L	2.B
n-Butylbenzene	104-51-8	0.100	5.00	<5.00	ug/L	
1,2-Dibromo-3-chloropropane	96-12-8	0.400	5.00	<5.00	ug/L	
1,2,4,5-Tetramethylbenzene	95-93-2	0.170	5.00	<5.00	ug/L	2.B
1,2,4-Trichlorobenzene	120-82-1	0.110	5.00	<5.00	ug/L	
Naphthalene	91-20-3	0.210	5.00	<5.00	ug/L	
Hexachlorobutadiene	87-68-3	0.240	5.00	<5.00	ug/L	
1,2,3-Trichlorobenzene	87-61-6	0.250	5.00	<5.00	ug/L	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Dibromofluoromethane	1868-53-7	122	70-130	
1,2-Dichloroethane-d4	10706-07-0	114	70-130	
Toluene-d8	2037-26-5	95	70-130	
4-Bromofluorobenzene	460-00-4	102	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
Pentafluorobenzene	363-72-4	92	50-200	
1,4-Difluorobenzene	540-36-3	94	50-200	
Chlorobenzene-d5	3114-55-4	92	50-200	
1,4-Dichlorobenzene-d4	3855-82-1	88	50-200	

Date Prepared: 10/08/2014

Date Analyzed: 10/08/2014

Preparation Method: EPA 5030 C

Analytical Method: EPA 8260 C

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 13:45	Sample ID: DUP-1
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-20
Matrix: Non-Potable Water	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Pyridine	110-86-1	1.30	5.00	<5.00	ug/L	
N-Nitrosodimethylamine	62-75-9	1.40	5.00	<5.00	ug/L	
Phenol	108-95-2	2.10	5.00	<5.00	ug/L	
Aniline	62-53-3	1.50	5.00	<5.00	ug/L	
2-Chlorophenol	95-57-8	1.10	5.00	<5.00	ug/L	
Bis(2-Chloroethyl)ether	111-44-4	1.50	5.00	<5.00	ug/L	
1,3-Dichlorobenzene	541-73-1	1.00	5.00	<5.00	ug/L	
1,4-Dichlorobenzene	106-46-7	1.80	5.00	<5.00	ug/L	
Benzyl alcohol	100-51-6	1.10	5.00	<5.00	ug/L	
1,2-Dichlorobenzene	95-50-1	1.40	5.00	<5.00	ug/L	
2-Methylphenol	95-48-7	1.70	5.00	<5.00	ug/L	
Bis(2-chloroisopropyl)ether	39638-32-9	1.60	5.00	<5.00	ug/L	
Hexachloroethane	67-72-1	1.40	5.00	<5.00	ug/L	
3/4-Methylphenol	108-39-4/106-44-5	2.10	5.00	<5.00	ug/L	
N-Nitroso-di-n-propylamine	621-64-7	2.20	5.00	<5.00	ug/L	
Nitrobenzene	98-95-3	3.30	5.00	<5.00	ug/L	
Isophorone	78-59-1	1.90	5.00	<5.00	ug/L	
2-Nitrophenol	88-75-5	0.800	5.00	<5.00	ug/L	
2,4-Dimethylphenol	105-67-9	1.70	5.00	<5.00	ug/L	
Benzoic Acid	65-85-0	1.20	10.0	<10.0	ug/L	4.K
bis(2-Chloroethoxy)methane	111-91-1	1.10	5.00	<5.00	ug/L	
2,4-Dichlorophenol	120-83-2	1.30	5.00	<5.00	ug/L	
1,2,4-Trichlorobenzene	120-82-1	0.900	5.00	<5.00	ug/L	
Naphthalene	91-20-3	0.800	5.00	<5.00	ug/L	
4-Chloroaniline	106-47-8	1.00	5.00	<5.00	ug/L	
Hexachlorobutadiene	87-68-3	1.30	5.00	<5.00	ug/L	
4-Chloro-3-methylphenol	59-50-7	1.20	5.00	<5.00	ug/L	
2-Methylnaphthalene	91-57-6	1.90	5.00	<5.00	ug/L	
Hexachlorocyclopentadiene	77-47-4	1.00	5.00	<5.00	ug/L	
2,4,6-Trichlorophenol	88-06-2	0.900	5.00	<5.00	ug/L	

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 13:45	Sample ID: DUP-1
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-20
Matrix: Non-Potable Water	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
2,4,5-Trichlorophenol	95-95-4	1.90	5.00	<5.00	ug/L	
2-Chloronaphthalene	91-58-7	1.40	5.00	<5.00	ug/L	
2-Nitroaniline	88-74-4	3.00	5.00	<5.00	ug/L	
Dimethyl phthalate	131-11-3	0.800	5.00	<5.00	ug/L	
Acenaphthylene	208-96-8	1.60	5.00	<5.00	ug/L	
2,6-Dinitrotoluene	606-20-2	1.00	5.00	<5.00	ug/L	
3-Nitroaniline	99-09-2	1.10	5.00	<5.00	ug/L	
Acenaphthene	83-32-9	0.900	5.00	<5.00	ug/L	
2,4-Dinitrophenol	51-28-5	1.30	10.0	<10.0	ug/L	4.M
Dibenzofuran	132-64-9	1.80	5.00	<5.00	ug/L	
4-Nitrophenol	100-02-7	1.80	5.00	<5.00	ug/L	
2,4-Dinitrotoluene	121-14-2	1.00	5.00	<5.00	ug/L	
Fluorene	86-73-7	1.70	5.00	<5.00	ug/L	
Diethyl phthalate	84-66-2	0.800	5.00	<5.00	ug/L	
4-Chlorophenyl phenyl ether	7005-72-3	1.50	5.00	<5.00	ug/L	
4-Nitroaniline	100-01-6	1.80	5.00	<5.00	ug/L	
4,6-Dinitro-2-methylphenol	534-52-1	1.80	5.00	<5.00	ug/L	4.M
N-Nitrosodiphenylamine	86-30-6	1.20	5.00	<5.00	ug/L	
4-Bromophenyl phenyl ether	101-55-3	1.50	5.00	<5.00	ug/L	
Hexachlorobenzene	118-74-1	1.10	5.00	<5.00	ug/L	
Pentachlorophenol	87-86-5	1.50	5.00	<5.00	ug/L	
Phenanthrene	85-01-8	1.30	5.00	<5.00	ug/L	
Anthracene	120-12-7	1.40	5.00	<5.00	ug/L	
Carbazole	86-74-8	0.900	5.00	<5.00	ug/L	
Di-n-butyl phthalate	84-74-2	1.40	5.00	<5.00	ug/L	
Fluoranthene	206-44-0	1.10	5.00	<5.00	ug/L	
Pyrene	129-00-0	1.40	5.00	<5.00	ug/L	
Butyl benzyl phthalate	85-68-7	2.00	5.00	<5.00	ug/L	
Benzo(a)anthracene	56-55-3	1.40	5.00	<5.00	ug/L	

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 13:45	Sample ID: DUP-1
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-20
Matrix: Non-Potable Water	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Chrysene	218-01-9	1.30	5.00	<5.00	ug/L	
3,3'-Dichlorobenzidine	91-94-1	1.50	5.00	<5.00	ug/L	
Bis(2-Ethylhexyl)phthalate	117-81-7	1.40	5.00	<5.00	ug/L	
Di-n-octyl phthalate	117-84-0	0.800	5.00	<5.00	ug/L	
Benzo(b)fluoranthene	205-99-2	0.800	5.00	<5.00	ug/L	
Benzo(k)fluoranthene	207-08-9	1.40	5.00	<5.00	ug/L	
Benzo(a)pyrene	50-32-8	1.30	5.00	<5.00	ug/L	
Indeno(1,2,3-cd)pyrene	193-39-5	1.00	5.00	<5.00	ug/L	
Dibenzo(a,h)anthracene	53-70-3	1.20	5.00	<5.00	ug/L	
Benzo(g,h,i)perylene	191-24-2	0.900	5.00	<5.00	ug/L	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2-Fluorophenol	367-12-4	10	21-110	4.L
Phenol-d6	13127-88-3	3	10-110	4.L
Nitrobenzene-d5	4165-60-0	68	35-120	
2-Fluorobiphenyl	321-60-8	51	43-116	
2,4,6-Tribromophenol	118-79-6	64	10-123	
Terphenyl-d14	1718-51-0	62	33-141	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	137	50-200	
Naphthalene-d8	1146-65-2	140	50-200	
Acenaphthene-d10	15067-26-2	138	50-200	
Phenanthrene-d10	1517-22-2	140	50-200	
Chrysene-d12	1719-03-5	155	50-200	
Perylene-d12	1520-96-3	184	50-200	

Date Prepared: 10/09/2014

Date Analyzed: 10/10/2014

Preparation Method: EPA 3510C

Analytical Method: EPA 8270 D

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 13:45	Sample ID: DUP-1
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-20
Matrix: Non-Potable Water	ELAP: #11693

Pesticides Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
alpha-BHC	319-84-6	0.04	1.00	<1.00	ug/L	
gamma-BHC	58-89-9	0.04	1.00	<1.00	ug/L	
beta-BHC	319-85-7	0.02	1.00	<1.00	ug/L	
delta-BHC	319-86-8	0.06	1.00	<1.00	ug/L	
Heptachlor	76-44-8	0.05	1.00	<1.00	ug/L	
Aldrin	309-00-2	0.04	1.00	<1.00	ug/L	
Heptachlor Epoxide	1024-57-3	0.04	1.00	<1.00	ug/L	
trans-Chlordane	5103-74-2	0.03	1.00	<1.00	ug/L	
cis-Chlordane	5103-71-9	0.04	1.00	<1.00	ug/L	
4,4'-DDE	72-55-9	0.05	1.00	<1.00	ug/L	
Endosulfan I	959-98-8	0.04	1.00	<1.00	ug/L	
Dieldrin	60-57-1	0.04	1.00	<1.00	ug/L	
Endrin	72-20-8	0.05	1.00	<1.00	ug/L	
4,4'-DDD	72-54-8	0.04	1.00	<1.00	ug/L	
Endosulfan II	33213-65-9	0.05	1.00	<1.00	ug/L	
4,4'-DDT	50-29-3	0.10	1.00	<1.00	ug/L	
Endrin Aldehyde	7421-93-4	0.04	1.00	<1.00	ug/L	
Methoxychlor	72-43-5	0.11	1.00	<1.00	ug/L	
Endosulfan Sulfate	1031-07-8	0.06	1.00	<1.00	ug/L	
Endrin Ketone	53494-70-5	0.05	1.00	<1.00	ug/L	
Toxaphene	8001-35-2	0.06	2.00	<2.00	ug/L	
Chlordane	12789-03-6	0.02	2.00	<2.00	ug/L	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Tetrachloro-m-xylene	877-09-8	91	70-130	
Decachlorobiphenyl	2051-24-3	93	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	117	50-200	

Date Prepared: 10/10/2014

Date Analyzed: 10/10/2014

Preparation Method: EPA 3510C

Analytical Method: EPA 8081B

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 13:45	Sample ID: DUP-1
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-20
Matrix: Non-Potable Water	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	0.130	0.500	<0.500	ug/L	
Aroclor-1260	11096-82-5	0.100	0.500	<0.500	ug/L	
Aroclor-1221	11104-28-2	0.0350	0.500	<0.500	ug/L	
Aroclor-1232	11141-16-5	0.0350	0.500	<0.500	ug/L	
Aroclor-1242	53469-21-9	0.0350	0.500	<0.500	ug/L	
Aroclor-1248	12672-29-6	0.0350	0.500	<0.500	ug/L	
Aroclor-1254	11097-69-1	0.0350	0.500	<0.500	ug/L	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Tetrachloro-m-xylene	877-09-8	82	70-130	
Decachlorobiphenyl	2051-24-3	82	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	137	50-200	

Date Prepared: 10/10/2014

Date Analyzed: 10/11/2014

Preparation Method: EPA 608

Analytical Method: EPA 608

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 13:45	Sample ID: DUP-1
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-20
Matrix: Non-Potable Water	ELAP: #11693

Total Metals Analysis

Parameter	Date Analyzed	Method	MDL	LOQ	Result	Units	Flag
Aluminum	10/09/2014	EPA 200.7 Rev. 4.4	0.02	0.05	122	mg/L	
Calcium	10/09/2014	EPA 200.7 Rev. 4.4	0.01	0.10	128	mg/L	
Antimony	10/09/2014	EPA 200.7 Rev. 4.4	0.005	0.05	<0.05	mg/L	
Arsenic	10/09/2014	EPA 200.7 Rev. 4.4	0.005	0.05	<0.05	mg/L	
Barium	10/09/2014	EPA 200.7 Rev. 4.4	0.0002	0.05	2.40	mg/L	
Beryllium	10/09/2014	EPA 200.7 Rev. 4.4	0.00005	0.02	<0.02	mg/L	
Cadmium	10/09/2014	EPA 200.7 Rev. 4.4	0.0002	0.005	0.007	mg/L	
Chromium	10/09/2014	EPA 200.7 Rev. 4.4	0.01	0.05	0.51	mg/L	
Cobalt	10/09/2014	EPA 200.7 Rev. 4.4	0.001	0.05	0.20	mg/L	
Copper	10/09/2014	EPA 200.7 Rev. 4.4	0.006	0.02	0.51	mg/L	
Iron	10/13/2014	EPA 200.7 Rev. 4.4	0.28	0.50	406	mg/L	3.E
Lead	10/09/2014	EPA 200.7 Rev. 4.4	0.002	0.050	0.221	mg/L	
Magnesium	10/09/2014	EPA 200.7 Rev. 4.4	0.004	0.10	66.6	mg/L	
Manganese	10/13/2014	EPA 200.7 Rev. 4.4	0.05	0.10	28.2	mg/L	3.E
Nickel	10/09/2014	EPA 200.7 Rev. 4.4	0.003	0.05	0.30	mg/L	
Potassium	10/09/2014	EPA 200.7 Rev. 4.4	0.006	0.25	38.6	mg/L	
Selenium	10/09/2014	EPA 200.7 Rev. 4.4	0.006	0.02	<0.02	mg/L	
Silver	10/09/2014	EPA 200.7 Rev. 4.4	0.005	0.005	<0.005	mg/L	
Sodium	10/09/2014	EPA 200.7 Rev. 4.4	0.05	0.10	34.0	mg/L	
Thallium	10/09/2014	EPA 200.7 Rev. 4.4	0.01	0.05	<0.05	mg/L	
Vanadium	10/09/2014	EPA 200.7 Rev. 4.4	0.002	0.05	0.58	mg/L	
Zinc	10/09/2014	EPA 200.7 Rev. 4.4	0.005	0.05	0.79	mg/L	

Date Prepared: 10/09/2014 Preparation Method: EPA 200.2

Parameter	Date Analyzed	Method	MDL	LOQ	Result	Units	Flag
Mercury	10/08/2014	EPA 245.1 Rev. 3.0	0.0002	0.002	<0.002	mg/L	4.E

Date Prepared: 10/08/2014 Preparation Method: EPA 245.1

Parameter	Date Analyzed	Method	MDL	LOQ	Result	Units	Flag
Cyanide	10/15/2014	SM 18-21 4500-CN E (99)	0.0004	0.002	<0.002	mg/L	

Date Prepared: 10/14/2014 Preparation Method: Distillation Prep

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 14:27	Sample ID: FB-W
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-21
Matrix: Non-Potable Water	ELAP: #11693

Volatiles Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Dichlorodifluoromethane	75-71-8	0.160	5.00	<5.00	ug/L	
Chlorodifluoromethane	75-45-6	0.160	5.00	<5.00	ug/L	2.B
Chloromethane	74-87-3	0.420	5.00	<5.00	ug/L	
Vinyl chloride	75-01-4	0.190	5.00	<5.00	ug/L	4.M
Bromomethane	74-83-9	0.290	5.00	<5.00	ug/L	
Chloroethane	75-00-3	0.300	5.00	<5.00	ug/L	
Trichlorofluoromethane	75-69-4	0.180	5.00	<5.00	ug/L	
Acrolein	107-02-8	0.770	5.00	<5.00	ug/L	4.M
Acetone	67-64-1	1.04	10.0	26.3	ug/L	
1,1-Dichloroethylene	75-35-4	0.190	5.00	<5.00	ug/L	
tert-Butyl alcohol	75-65-0	0.320	5.00	38.3	ug/L	4.K, 4.M
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	0.300	5.00	<5.00	ug/L	
Methyl Acetate	79-20-9	0.540	5.00	<5.00	ug/L	
Acrylonitrile	107-13-1	0.380	5.00	<5.00	ug/L	
Methylene Chloride	75-09-2	0.230	5.00	<5.00	ug/L	
Carbon disulfide	75-15-0	0.120	5.00	<5.00	ug/L	
Methyl-tert-Butyl Ether	1634-04-4	0.170	5.00	<5.00	ug/L	
trans-1,2-Dichloroethylene	156-60-5	0.120	5.00	<5.00	ug/L	
1,1-Dichloroethane	75-34-3	0.170	5.00	<5.00	ug/L	
Vinyl acetate	108-05-4	0.190	5.00	<5.00	ug/L	4.S
Methyl Ethyl Ketone (2-Butanone)	78-93-3	1.77	10.0	<10.0	ug/L	
cis-1,2-Dichloroethylene	156-59-2	0.190	5.00	<5.00	ug/L	
2,2-Dichloropropane	594-20-7	0.270	5.00	<5.00	ug/L	4.M
Bromochloromethane	74-97-5	0.190	5.00	<5.00	ug/L	
Chloroform	67-66-3	0.180	5.00	<5.00	ug/L	
1,1,1-Trichloroethane	71-55-6	0.200	5.00	<5.00	ug/L	4.M
1,2-Dichloroethane	107-06-2	0.150	5.00	<5.00	ug/L	
1,1-Dichloropropylene	563-58-6	0.270	5.00	<5.00	ug/L	
Carbon Tetrachloride	56-23-5	0.160	5.00	<5.00	ug/L	4.M
Benzene	71-43-2	0.180	0.700	<0.700	ug/L	

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 14:27	Sample ID: FB-W
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-21
Matrix: Non-Potable Water	ELAP: #11693

Volatiles Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Trichloroethylene	79-01-6	0.160	5.00	<5.00	ug/L	
1,2-Dichloropropane	78-87-5	0.100	5.00	<5.00	ug/L	
Dibromomethane	74-95-3	0.240	5.00	<5.00	ug/L	
Bromodichloromethane	75-27-4	0.210	5.00	<5.00	ug/L	
2-Chloroethyl Vinyl Ether	110-75-8	0.350	5.00	<5.00	ug/L	
4-Methyl-2-Pentanone	108-10-1	0.240	5.00	<5.00	ug/L	
cis-1,3-Dichloropropylene	10061-01-5	0.120	5.00	<5.00	ug/L	
Toluene	108-88-3	0.0800	5.00	<5.00	ug/L	
trans-1,3-Dichloropropylene	10061-02-6	0.100	5.00	<5.00	ug/L	
1,1,2-Trichloroethane	79-00-5	0.190	5.00	<5.00	ug/L	
Methyl Butyl Ketone (2-Hexanone)	591-78-6	0.170	10.0	<10.0	ug/L	
1,3-Dichloropropane	142-28-9	0.110	5.00	<5.00	ug/L	
Dibromochloromethane	124-48-1	0.190	5.00	<5.00	ug/L	
Tetrachloroethylene	127-18-4	0.110	5.00	<5.00	ug/L	
1,2-Dibromoethane	106-93-4	0.160	5.00	<5.00	ug/L	
Chlorobenzene	108-90-7	0.0900	5.00	<5.00	ug/L	
1,1,1,2-Tetrachloroethane	630-20-6	0.240	5.00	<5.00	ug/L	
Ethylbenzene	100-41-4	0.0900	5.00	<5.00	ug/L	
m,p-Xylenes	108-38-3/106-42-3	1.08	10.0	<10.0	ug/L	
Styrene	100-42-5	0.390	5.00	<5.00	ug/L	
o-Xylene	95-47-6	0.110	5.00	<5.00	ug/L	
Bromoform	75-25-2	0.440	5.00	<5.00	ug/L	
1,1,2,2-Tetrachloroethane	79-34-5	0.100	5.00	<5.00	ug/L	
Isopropylbenzene (Cumene)	98-82-8	0.0900	5.00	<5.00	ug/L	
1,2,3-Trichloropropane	96-18-4	0.330	5.00	<5.00	ug/L	
Bromobenzene	108-86-1	0.120	5.00	<5.00	ug/L	
n-Propylbenzene	103-65-1	0.0700	5.00	<5.00	ug/L	
2-Chlorotoluene	95-49-8	0.120	5.00	<5.00	ug/L	
4-Ethyltoluene	622-96-8	0.0800	5.00	<5.00	ug/L	2.B

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 14:27	Sample ID: FB-W
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-21
Matrix: Non-Potable Water	ELAP: #11693

Volatiles Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
4-Chlorotoluene	106-43-4	0.430	5.00	<5.00	ug/L	
1,3,5-Trimethylbenzene	108-67-8	0.0800	5.00	<5.00	ug/L	
tert-Butylbenzene	98-06-6	0.130	5.00	<5.00	ug/L	
1,2,4-Trimethylbenzene	95-63-6	0.130	5.00	<5.00	ug/L	
sec-Butylbenzene	135-98-8	0.0800	5.00	<5.00	ug/L	
1,3-Dichlorobenzene	541-73-1	0.140	5.00	<5.00	ug/L	
4-Isopropyltoluene	99-87-6	0.160	5.00	<5.00	ug/L	
1,4-Dichlorobenzene	106-46-7	0.170	5.00	<5.00	ug/L	
1,2-Dichlorobenzene	95-50-1	0.140	5.00	<5.00	ug/L	
1,4-Diethylbenzene	105-05-5	0.130	5.00	<5.00	ug/L	2.B
n-Butylbenzene	104-51-8	0.100	5.00	<5.00	ug/L	
1,2-Dibromo-3-chloropropane	96-12-8	0.400	5.00	<5.00	ug/L	
1,2,4,5-Tetramethylbenzene	95-93-2	0.170	5.00	<5.00	ug/L	2.B
1,2,4-Trichlorobenzene	120-82-1	0.110	5.00	<5.00	ug/L	
Naphthalene	91-20-3	0.210	5.00	<5.00	ug/L	
Hexachlorobutadiene	87-68-3	0.240	5.00	<5.00	ug/L	
1,2,3-Trichlorobenzene	87-61-6	0.250	5.00	<5.00	ug/L	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Dibromofluoromethane	1868-53-7	115	70-130	
1,2-Dichloroethane-d4	10706-07-0	115	70-130	
Toluene-d8	2037-26-5	98	70-130	
4-Bromofluorobenzene	460-00-4	108	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
Pentafluorobenzene	363-72-4	93	50-200	
1,4-Difluorobenzene	540-36-3	92	50-200	
Chlorobenzene-d5	3114-55-4	89	50-200	
1,4-Dichlorobenzene-d4	3855-82-1	84	50-200	

Date Prepared: 10/08/2014

Date Analyzed: 10/08/2014

Preparation Method: EPA 5030 C

Analytical Method: EPA 8260 C

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 14:27	Sample ID: FB-W
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-21
Matrix: Non-Potable Water	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Pyridine	110-86-1	1.30	5.00	<5.00	ug/L	
N-Nitrosodimethylamine	62-75-9	1.40	5.00	<5.00	ug/L	
Phenol	108-95-2	2.10	5.00	<5.00	ug/L	
Aniline	62-53-3	1.50	5.00	<5.00	ug/L	
2-Chlorophenol	95-57-8	1.10	5.00	<5.00	ug/L	
Bis(2-Chloroethyl)ether	111-44-4	1.50	5.00	<5.00	ug/L	
1,3-Dichlorobenzene	541-73-1	1.00	5.00	<5.00	ug/L	
1,4-Dichlorobenzene	106-46-7	1.80	5.00	<5.00	ug/L	
Benzyl alcohol	100-51-6	1.10	5.00	<5.00	ug/L	
1,2-Dichlorobenzene	95-50-1	1.40	5.00	<5.00	ug/L	
2-Methylphenol	95-48-7	1.70	5.00	<5.00	ug/L	
Bis(2-chloroisopropyl)ether	39638-32-9	1.60	5.00	<5.00	ug/L	
Hexachloroethane	67-72-1	1.40	5.00	<5.00	ug/L	
3/4-Methylphenol	108-39-4/106-44-5	2.10	5.00	<5.00	ug/L	
N-Nitroso-di-n-propylamine	621-64-7	2.20	5.00	<5.00	ug/L	
Nitrobenzene	98-95-3	3.30	5.00	<5.00	ug/L	
Isophorone	78-59-1	1.90	5.00	<5.00	ug/L	
2-Nitrophenol	88-75-5	0.800	5.00	<5.00	ug/L	
2,4-Dimethylphenol	105-67-9	1.70	5.00	<5.00	ug/L	
Benzoic Acid	65-85-0	1.20	10.0	<10.0	ug/L	
bis(2-Chloroethoxy)methane	111-91-1	1.10	5.00	<5.00	ug/L	
2,4-Dichlorophenol	120-83-2	1.30	5.00	<5.00	ug/L	
1,2,4-Trichlorobenzene	120-82-1	0.900	5.00	<5.00	ug/L	
Naphthalene	91-20-3	0.800	5.00	<5.00	ug/L	
4-Chloroaniline	106-47-8	1.00	5.00	<5.00	ug/L	
Hexachlorobutadiene	87-68-3	1.30	5.00	<5.00	ug/L	
4-Chloro-3-methylphenol	59-50-7	1.20	5.00	<5.00	ug/L	
2-Methylnaphthalene	91-57-6	1.90	5.00	<5.00	ug/L	
Hexachlorocyclopentadiene	77-47-4	1.00	5.00	<5.00	ug/L	
2,4,6-Trichlorophenol	88-06-2	0.900	5.00	<5.00	ug/L	

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 14:27	Sample ID: FB-W
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-21
Matrix: Non-Potable Water	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
2,4,5-Trichlorophenol	95-95-4	1.90	5.00	<5.00	ug/L	
2-Chloronaphthalene	91-58-7	1.40	5.00	<5.00	ug/L	
2-Nitroaniline	88-74-4	3.00	5.00	<5.00	ug/L	
Dimethyl phthalate	131-11-3	0.800	5.00	<5.00	ug/L	
Acenaphthylene	208-96-8	1.60	5.00	<5.00	ug/L	
2,6-Dinitrotoluene	606-20-2	1.00	5.00	<5.00	ug/L	
3-Nitroaniline	99-09-2	1.10	5.00	<5.00	ug/L	
Acenaphthene	83-32-9	0.900	5.00	<5.00	ug/L	
2,4-Dinitrophenol	51-28-5	1.30	10.0	<10.0	ug/L	4.M
Dibenzofuran	132-64-9	1.80	5.00	<5.00	ug/L	
4-Nitrophenol	100-02-7	1.80	5.00	<5.00	ug/L	
2,4-Dinitrotoluene	121-14-2	1.00	5.00	<5.00	ug/L	
Fluorene	86-73-7	1.70	5.00	<5.00	ug/L	
Diethyl phthalate	84-66-2	0.800	5.00	<5.00	ug/L	
4-Chlorophenyl phenyl ether	7005-72-3	1.50	5.00	<5.00	ug/L	
4-Nitroaniline	100-01-6	1.80	5.00	<5.00	ug/L	
4,6-Dinitro-2-methylphenol	534-52-1	1.80	5.00	<5.00	ug/L	4.M
N-Nitrosodiphenylamine	86-30-6	1.20	5.00	<5.00	ug/L	
4-Bromophenyl phenyl ether	101-55-3	1.50	5.00	<5.00	ug/L	
Hexachlorobenzene	118-74-1	1.10	5.00	<5.00	ug/L	
Pentachlorophenol	87-86-5	1.50	5.00	<5.00	ug/L	
Phenanthrene	85-01-8	1.30	5.00	<5.00	ug/L	
Anthracene	120-12-7	1.40	5.00	<5.00	ug/L	
Carbazole	86-74-8	0.900	5.00	<5.00	ug/L	
Di-n-butyl phthalate	84-74-2	1.40	5.00	<5.00	ug/L	
Fluoranthene	206-44-0	1.10	5.00	<5.00	ug/L	
Pyrene	129-00-0	1.40	5.00	<5.00	ug/L	
Butyl benzyl phthalate	85-68-7	2.00	5.00	<5.00	ug/L	
Benzo(a)anthracene	56-55-3	1.40	5.00	<5.00	ug/L	

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 14:27	Sample ID: FB-W
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-21
Matrix: Non-Potable Water	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Chrysene	218-01-9	1.30	5.00	<5.00	ug/L	
3,3'-Dichlorobenzidine	91-94-1	1.50	5.00	<5.00	ug/L	
Bis(2-Ethylhexyl)phthalate	117-81-7	1.40	5.00	<5.00	ug/L	
Di-n-octyl phthalate	117-84-0	0.800	5.00	<5.00	ug/L	
Benzo(b)fluoranthene	205-99-2	0.800	5.00	<5.00	ug/L	
Benzo(k)fluoranthene	207-08-9	1.40	5.00	<5.00	ug/L	
Benzo(a)pyrene	50-32-8	1.30	5.00	<5.00	ug/L	
Indeno(1,2,3-cd)pyrene	193-39-5	1.00	5.00	<5.00	ug/L	
Dibenzo(a,h)anthracene	53-70-3	1.20	5.00	<5.00	ug/L	
Benzo(g,h,i)perylene	191-24-2	0.900	5.00	<5.00	ug/L	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2-Fluorophenol	367-12-4	38	21-110	
Phenol-d6	13127-88-3	30	10-110	
Nitrobenzene-d5	4165-60-0	65	35-120	
2-Fluorobiphenyl	321-60-8	51	43-116	
2,4,6-Tribromophenol	118-79-6	75	10-123	
Terphenyl-d14	1718-51-0	65	33-141	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	124	50-200	
Naphthalene-d8	1146-65-2	127	50-200	
Acenaphthene-d10	15067-26-2	127	50-200	
Phenanthrene-d10	1517-22-2	124	50-200	
Chrysene-d12	1719-03-5	139	50-200	
Perylene-d12	1520-96-3	173	50-200	

Date Prepared: 10/09/2014

Date Analyzed: 10/10/2014

Preparation Method: EPA 3510C

Analytical Method: EPA 8270 D

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 14:27	Sample ID: FB-W
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-21
Matrix: Non-Potable Water	ELAP: #11693

Pesticides Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
alpha-BHC	319-84-6	0.04	1.00	<1.00	ug/L	
gamma-BHC	58-89-9	0.04	1.00	<1.00	ug/L	
beta-BHC	319-85-7	0.02	1.00	<1.00	ug/L	
delta-BHC	319-86-8	0.06	1.00	<1.00	ug/L	
Heptachlor	76-44-8	0.05	1.00	<1.00	ug/L	
Aldrin	309-00-2	0.04	1.00	<1.00	ug/L	
Heptachlor Epoxide	1024-57-3	0.04	1.00	<1.00	ug/L	
trans-Chlordane	5103-74-2	0.03	1.00	<1.00	ug/L	
cis-Chlordane	5103-71-9	0.04	1.00	<1.00	ug/L	
4,4'-DDE	72-55-9	0.05	1.00	<1.00	ug/L	
Endosulfan I	959-98-8	0.04	1.00	<1.00	ug/L	
Dieldrin	60-57-1	0.04	1.00	<1.00	ug/L	
Endrin	72-20-8	0.05	1.00	<1.00	ug/L	
4,4'-DDD	72-54-8	0.04	1.00	<1.00	ug/L	
Endosulfan II	33213-65-9	0.05	1.00	<1.00	ug/L	
4,4'-DDT	50-29-3	0.10	1.00	<1.00	ug/L	
Endrin Aldehyde	7421-93-4	0.04	1.00	<1.00	ug/L	
Methoxychlor	72-43-5	0.11	1.00	<1.00	ug/L	
Endosulfan Sulfate	1031-07-8	0.06	1.00	<1.00	ug/L	
Endrin Ketone	53494-70-5	0.05	1.00	<1.00	ug/L	
Toxaphene	8001-35-2	0.06	2.00	<2.00	ug/L	
Chlordane	12789-03-6	0.02	2.00	<2.00	ug/L	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Tetrachloro-m-xylene	877-09-8	94	70-130	
Decachlorobiphenyl	2051-24-3	95	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	111	50-200	

Date Prepared: 10/10/2014

Date Analyzed: 10/10/2014

Preparation Method: EPA 3510C

Analytical Method: EPA 8081B

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 14:27	Sample ID: FB-W
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-21
Matrix: Non-Potable Water	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	0.130	0.500	<0.500	ug/L	
Aroclor-1260	11096-82-5	0.100	0.500	<0.500	ug/L	
Aroclor-1221	11104-28-2	0.0350	0.500	<0.500	ug/L	
Aroclor-1232	11141-16-5	0.0350	0.500	<0.500	ug/L	
Aroclor-1242	53469-21-9	0.0350	0.500	<0.500	ug/L	
Aroclor-1248	12672-29-6	0.0350	0.500	<0.500	ug/L	
Aroclor-1254	11097-69-1	0.0350	0.500	<0.500	ug/L	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Tetrachloro-m-xylene	877-09-8	87	70-130	
Decachlorobiphenyl	2051-24-3	88	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	130	50-200	

Date Prepared: 10/10/2014

Date Analyzed: 10/11/2014

Preparation Method: EPA 608

Analytical Method: EPA 608

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 14:27	Sample ID: FB-W
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-21
Matrix: Non-Potable Water	ELAP: #11693

Total Metals Analysis

Parameter	Date Analyzed	Method	MDL	LOQ	Result	Units	Flag
Aluminum	10/13/2014	EPA 200.7 Rev. 4.4	0.02	0.05	<0.05	mg/L	
Calcium	10/13/2014	EPA 200.7 Rev. 4.4	0.01	0.10	<0.10	mg/L	
Antimony	10/13/2014	EPA 200.7 Rev. 4.4	0.005	0.05	<0.05	mg/L	
Arsenic	10/13/2014	EPA 200.7 Rev. 4.4	0.005	0.05	<0.05	mg/L	
Barium	10/13/2014	EPA 200.7 Rev. 4.4	0.0002	0.05	<0.05	mg/L	
Beryllium	10/13/2014	EPA 200.7 Rev. 4.4	0.00005	0.02	<0.02	mg/L	
Cadmium	10/13/2014	EPA 200.7 Rev. 4.4	0.0002	0.005	<0.005	mg/L	
Chromium	10/13/2014	EPA 200.7 Rev. 4.4	0.01	0.05	<0.05	mg/L	
Cobalt	10/13/2014	EPA 200.7 Rev. 4.4	0.001	0.05	<0.05	mg/L	
Copper	10/13/2014	EPA 200.7 Rev. 4.4	0.006	0.02	<0.02	mg/L	
Iron	10/13/2014	EPA 200.7 Rev. 4.4	0.03	0.05	<0.05	mg/L	
Lead	10/13/2014	EPA 200.7 Rev. 4.4	0.002	0.050	<0.050	mg/L	
Magnesium	10/13/2014	EPA 200.7 Rev. 4.4	0.004	0.10	<0.10	mg/L	
Manganese	10/13/2014	EPA 200.7 Rev. 4.4	0.005	0.01	<0.01	mg/L	
Nickel	10/13/2014	EPA 200.7 Rev. 4.4	0.003	0.05	<0.05	mg/L	
Potassium	10/13/2014	EPA 200.7 Rev. 4.4	0.006	0.25	<0.25	mg/L	
Selenium	10/13/2014	EPA 200.7 Rev. 4.4	0.006	0.02	<0.02	mg/L	
Silver	10/13/2014	EPA 200.7 Rev. 4.4	0.005	0.005	<0.005	mg/L	
Sodium	10/13/2014	EPA 200.7 Rev. 4.4	0.05	0.10	<0.10	mg/L	
Thallium	10/13/2014	EPA 200.7 Rev. 4.4	0.01	0.05	<0.05	mg/L	
Vanadium	10/13/2014	EPA 200.7 Rev. 4.4	0.002	0.05	<0.05	mg/L	
Zinc	10/13/2014	EPA 200.7 Rev. 4.4	0.005	0.05	<0.05	mg/L	

Date Prepared: 10/09/2014 Preparation Method: EPA 200.2

Parameter	Date Analyzed	Method	MDL	LOQ	Result	Units	Flag
Mercury	10/08/2014	EPA 245.1 Rev. 3.0	0.0002	0.002	<0.002	mg/L	4.E

Date Prepared: 10/08/2014 Preparation Method: EPA 245.1

Parameter	Date Analyzed	Method	MDL	LOQ	Result	Units	Flag
Cyanide	10/15/2014	SM 18-21 4500-CN E (99)	0.0004	0.002	<0.002	mg/L	

Date Prepared: 10/14/2014 Preparation Method: Distillation Prep

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 00:00	Sample ID: Trip Blank
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-22
Matrix: Non-Potable Water	ELAP: #11693

Volatiles Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Dichlorodifluoromethane	75-71-8	0.160	5.00	<5.00	ug/L	
Chlorodifluoromethane	75-45-6	0.160	5.00	<5.00	ug/L	2.B
Chloromethane	74-87-3	0.420	5.00	<5.00	ug/L	
Vinyl chloride	75-01-4	0.190	5.00	<5.00	ug/L	4.M
Bromomethane	74-83-9	0.290	5.00	<5.00	ug/L	
Chloroethane	75-00-3	0.300	5.00	<5.00	ug/L	
Trichlorofluoromethane	75-69-4	0.180	5.00	<5.00	ug/L	
Acrolein	107-02-8	0.770	5.00	<5.00	ug/L	4.M
Acetone	67-64-1	1.04	10.0	<10.0	ug/L	
1,1-Dichloroethylene	75-35-4	0.190	5.00	<5.00	ug/L	
tert-Butyl alcohol	75-65-0	0.320	5.00	<5.00	ug/L	4.M
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	0.300	5.00	<5.00	ug/L	
Methyl Acetate	79-20-9	0.540	5.00	<5.00	ug/L	
Acrylonitrile	107-13-1	0.380	5.00	<5.00	ug/L	
Methylene Chloride	75-09-2	0.230	5.00	<5.00	ug/L	
Carbon disulfide	75-15-0	0.120	5.00	<5.00	ug/L	
Methyl-tert-Butyl Ether	1634-04-4	0.170	5.00	<5.00	ug/L	
trans-1,2-Dichloroethylene	156-60-5	0.120	5.00	<5.00	ug/L	
1,1-Dichloroethane	75-34-3	0.170	5.00	<5.00	ug/L	
Vinyl acetate	108-05-4	0.190	5.00	<5.00	ug/L	4.S
Methyl Ethyl Ketone (2-Butanone)	78-93-3	1.77	10.0	<10.0	ug/L	
cis-1,2-Dichloroethylene	156-59-2	0.190	5.00	<5.00	ug/L	
2,2-Dichloropropane	594-20-7	0.270	5.00	<5.00	ug/L	4.M
Bromochloromethane	74-97-5	0.190	5.00	<5.00	ug/L	
Chloroform	67-66-3	0.180	5.00	<5.00	ug/L	
1,1,1-Trichloroethane	71-55-6	0.200	5.00	<5.00	ug/L	4.M
1,2-Dichloroethane	107-06-2	0.150	5.00	<5.00	ug/L	
1,1-Dichloropropylene	563-58-6	0.270	5.00	<5.00	ug/L	
Carbon Tetrachloride	56-23-5	0.160	5.00	<5.00	ug/L	4.M
Benzene	71-43-2	0.180	0.700	<0.700	ug/L	

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 00:00	Sample ID: Trip Blank
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-22
Matrix: Non-Potable Water	ELAP: #11693

Volatiles Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Trichloroethylene	79-01-6	0.160	5.00	<5.00	ug/L	
1,2-Dichloropropane	78-87-5	0.100	5.00	<5.00	ug/L	
Dibromomethane	74-95-3	0.240	5.00	<5.00	ug/L	
Bromodichloromethane	75-27-4	0.210	5.00	<5.00	ug/L	
2-Chloroethyl Vinyl Ether	110-75-8	0.350	5.00	<5.00	ug/L	
4-Methyl-2-Pentanone	108-10-1	0.240	5.00	<5.00	ug/L	
cis-1,3-Dichloropropylene	10061-01-5	0.120	5.00	<5.00	ug/L	
Toluene	108-88-3	0.0800	5.00	<5.00	ug/L	
trans-1,3-Dichloropropylene	10061-02-6	0.100	5.00	<5.00	ug/L	
1,1,2-Trichloroethane	79-00-5	0.190	5.00	<5.00	ug/L	
Methyl Butyl Ketone (2-Hexanone)	591-78-6	0.170	10.0	<10.0	ug/L	
1,3-Dichloropropane	142-28-9	0.110	5.00	<5.00	ug/L	
Dibromochloromethane	124-48-1	0.190	5.00	<5.00	ug/L	
Tetrachloroethylene	127-18-4	0.110	5.00	<5.00	ug/L	
1,2-Dibromoethane	106-93-4	0.160	5.00	<5.00	ug/L	
Chlorobenzene	108-90-7	0.0900	5.00	<5.00	ug/L	
1,1,1,2-Tetrachloroethane	630-20-6	0.240	5.00	<5.00	ug/L	
Ethylbenzene	100-41-4	0.0900	5.00	<5.00	ug/L	
m,p-Xylenes	108-38-3/106-42-3	1.08	10.0	<10.0	ug/L	
Styrene	100-42-5	0.390	5.00	<5.00	ug/L	
o-Xylene	95-47-6	0.110	5.00	<5.00	ug/L	
Bromoform	75-25-2	0.440	5.00	<5.00	ug/L	
1,1,2,2-Tetrachloroethane	79-34-5	0.100	5.00	<5.00	ug/L	
Isopropylbenzene (Cumene)	98-82-8	0.0900	5.00	<5.00	ug/L	
1,2,3-Trichloropropane	96-18-4	0.330	5.00	<5.00	ug/L	
Bromobenzene	108-86-1	0.120	5.00	<5.00	ug/L	
n-Propylbenzene	103-65-1	0.0700	5.00	<5.00	ug/L	
2-Chlorotoluene	95-49-8	0.120	5.00	<5.00	ug/L	
4-Ethyltoluene	622-96-8	0.0800	5.00	<5.00	ug/L	2.B

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 00:00	Sample ID: Trip Blank
Date (Time) Received: 10/08/2014 11:34	Laboratory ID: 4100807-22
Matrix: Non-Potable Water	ELAP: #11693

Volatiles Analysis

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
4-Chlorotoluene	106-43-4	0.430	5.00	<5.00	ug/L	
1,3,5-Trimethylbenzene	108-67-8	0.0800	5.00	<5.00	ug/L	
tert-Butylbenzene	98-06-6	0.130	5.00	<5.00	ug/L	
1,2,4-Trimethylbenzene	95-63-6	0.130	5.00	<5.00	ug/L	
sec-Butylbenzene	135-98-8	0.0800	5.00	<5.00	ug/L	
1,3-Dichlorobenzene	541-73-1	0.140	5.00	<5.00	ug/L	
4-Isopropyltoluene	99-87-6	0.160	5.00	<5.00	ug/L	
1,4-Dichlorobenzene	106-46-7	0.170	5.00	<5.00	ug/L	
1,2-Dichlorobenzene	95-50-1	0.140	5.00	<5.00	ug/L	
1,4-Diethylbenzene	105-05-5	0.130	5.00	<5.00	ug/L	2.B
n-Butylbenzene	104-51-8	0.100	5.00	<5.00	ug/L	
1,2-Dibromo-3-chloropropane	96-12-8	0.400	5.00	<5.00	ug/L	
1,2,4,5-Tetramethylbenzene	95-93-2	0.170	5.00	<5.00	ug/L	2.B
1,2,4-Trichlorobenzene	120-82-1	0.110	5.00	<5.00	ug/L	
Naphthalene	91-20-3	0.210	5.00	<5.00	ug/L	
Hexachlorobutadiene	87-68-3	0.240	5.00	<5.00	ug/L	
1,2,3-Trichlorobenzene	87-61-6	0.250	5.00	<5.00	ug/L	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Dibromofluoromethane	1868-53-7	121	70-130	
1,2-Dichloroethane-d4	10706-07-0	113	70-130	
Toluene-d8	2037-26-5	97	70-130	
4-Bromofluorobenzene	460-00-4	109	70-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
Pentafluorobenzene	363-72-4	94	50-200	
1,4-Difluorobenzene	540-36-3	96	50-200	
Chlorobenzene-d5	3114-55-4	93	50-200	
1,4-Dichlorobenzene-d4	3855-82-1	86	50-200	

Date Prepared: 10/08/2014

Date Analyzed: 10/08/2014

Preparation Method: EPA 5030 C

Analytical Method: EPA 8260 C

Data Qualifiers Key Reference:

2.B	Parameter not certifiable by ELAP.
3.A	Minimum detection limit raised due to matrix interfernce.
3.E	Compound reported at a dilution factor.
4.E	QC does not meet acceptance criteria.
4.F	Spike recovery does not meet QC criteria due to high target compound concentration.
4.G	Spike recovery out of range due to matrix interference.
4.H	Batch spike recovery out of range due to matrix inconsistency.
4.J	Continuing Calibration Verification (CCV) quality control levels low, values are considered to be estimated.
4.K	Continuing Calibration Verification (CCV) quality control levels high, values are considered to be estimated.
4.L	Surrogate recovery is outside the acceptance criteria.
4.M	LCS recovery above QC Limit.
4.N	LCS recovery below QC limit.
4.S	Initial Calibration Verification (ICV) quality control levels high, values are considered to be estimated.
5.L	Results may be biased low due to the sample not being collected according to 5035A-L/5035A-H low level specifications.
MDL	Minimum Detection Limit
LOQ	Limit of Quantitation

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CHAIN OF CUSTODY / REQUEST FOR ANALYSIS DOCUMENT

(14)

CLIENT NAME/ADDRESS: NPV, 572 Walt Whitman Rd., Melville NY 11747

CONTACT: Eric Arsen

PHONE: 427-5665

FAX:

EMAIL:

PROJECT LOCATION: WITHERS

SAMPLER (SIGNATURE): Eric

SAMPLER NAME (PRINT): Eric Arsen

SAMPLE(S) SEALED: YES / NO

CORRECT CONTAINER(S): YES / NO

4100807

SAMPLES RECEIVED AT: 1.7 °C

TERMS & CONDITIONS: Accounts are payable in full within thirty days, outstanding balances accrue service charges of 1.5% per month. Tendering of samples to LIAL for analytical testing constitutes agreement by buyer/sampler to LIAL's Standard terms

LABORATORY ID # (For Laboratory Use Only)	MATRIX	TYPE	pH	RES. CHLORINE	PRES.	DATE	TIME	SAMPLE # LOCATION	8260	8270	8081/8082	6010 TAL	7471	# OF CONTAINERS
1. 4100807-01	S	G	—	—	ICE	10/7/14	1030	B-6 0'-2'	X	X	X	X	X	3
2. 02							1055	B-6 10'-12'						3
3. 03							1102	B-5 0'-2'						3
4. 04							1115	B-5 10'-12'						3
5. 05							11:37	B-1 0'-2'						3
6. 06							11:53	B-1 10'-12'						3
7. 07							12:00	Dup-S						3
8. 08							12:18	B-2 0'-2'						3
9. 09							12:25	B-2 10'-12'						3
10. 10							12:44	B-4 0'-2'						3
11. 11							1:55	B-4 10'-12'						3
12. 12	WW	G	<2.0				3:17	FB-S						7
13. 13							2:53	B-7 0'-2'						3
14. 14							3:05	B-7 10'-12'						3

Sample Preserved w/NAOH By: CHAT

MATRIX: S=SOIL; SL=SLUDGE; DW=DRINKING WATER; A=AIR; W=WIPE; PC=PAINT CHIPS; BM= BULK MATERIAL, O=OIL, WW=WASTE WATER
TYPE: G=GRAB; C=COMPOSITE; SS=SPLIT SPOON
PRES: (1) ICE; (2) HCL; (3) H_2SO_4; (4) NAOH; (5) $NA_2S_2O_3$; (6) HNO_3; (7) OTHER

TURNAROUND REQUIRED: ☒ NORMAL ☐ STAT BY / /

Sample Preserved w/HNO3 By: CHAT

COMMENTS / INSTRUCTIONS: Open ERIC A. TAL LIST

RELINQUISHED BY (SIGNATURE)	DATE 10/7/14 TIME 3:51	PRINTED NAME Eric Arsen	RECEIVED BY (SIGNATURE)	DATE 10/7/14 TIME 3:51	PRINTED NAME Jonathan McGrath
RELINQUISHED BY (SIGNATURE)	DATE 10/8/14 TIME 9:05	PRINTED NAME Jonathan McGrath	RECEIVED BY SAMPLE CUSTODIAN	DATE 10-8-14 TIME 9:05AM	PRINTED NAME Ben Lambertson

WHITE - OFFICE / CANARY - SAMPLE CUSTODIAN / PINK - CLIENT

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CHAIN OF CUSTODY / REQUEST FOR ANALYSIS DOCUMENT

CLIENT NAME/ADDRESS: NPV, 572 WEST WHITMAN RD, MELVILLE NY 11747

CONTACT: Bree Anderson

PHONE: 427-5665

FAX:

EMAIL:

PROJECT LOCATION: Westbury

SAMPLER (SIGNATURE): [signature]

SAMPLER NAME (PRINT): Bree Anderson

SAMPLE(S) SEALED: YES / NO

CORRECT CONTAINER(S): YES / NO

4100807

SAMPLES RECEIVED AT: 1.7 °C

TERMS & CONDITIONS: Accounts are payable in full within thirty days, outstanding balances accrue service charges of 1.5% per month. Tendering of samples to LIAL for analytical testing constitutes agreement by buyer/sampler to LIAL's Standard terms

LABORATORY ID # (For Laboratory Use Only)	MATRIX	TYPE	pH	RES. CHLORINE	PRES.	DATE	TIME	SAMPLE # LOCATION	8260	8270	8081/8082	6010	7471								# OF CONTAINERS
1. 4100807-15	S	G	—	—	Ice	10/7/14	3:22	B-3 0'-2'	X	X	X	X	X								3
2. 16	↓	↓	↓	↓	↓	↓	3:30	B-3 10'-12'	X	X	X	X	X	X							3
3.																					
4.																					
5.																					
6.																					
7.																					
8.																					
9.																					
10.																					
11.																					
12.																					
13.																					
14.																					

Sample Preserved w/NAOH By: CLIENT

MATRIX: S=SOIL; SL=SLUDGE; DW=DRINKING WATER; A=AIR; W=WIPE; PC=PAINT CHIPS; BM= BULK MATERIAL, O=OIL, WW=WASTE WATER
TYPE: G=GRAB; C=COMPOSITE; SS=SPLIT SPOON
PRES: (1) ICE; (2) HCL; (3) H_2SO_4; (4) NAOH; (5) $NA_2S_3O_3$; (6) HNO_3; (7) OTHER

TURNAROUND REQUIRED: ☒ NORMAL ☐ STAT
BY / /

COMMENTS / INSTRUCTIONS
Sample Preserved w/HNO3 By: CLIENT

RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY (SIGNATURE)	DATE / TIME	PRINTED NAME
[signature]	10/7/14 3:51	Bree Anderson	[signature]	10/7/14 3:51	Jonathan McGinn
RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY SAMPLE CUSTODIAN	DATE / TIME	PRINTED NAME
[signature]	10/8/14 9:05	Jonathan McGinn	[signature]	10-8-14 9:05 AM	Ben Lambertson

WHITE - OFFICE / CANARY - SAMPLE CUSTODIAN / PINK - CLIENT

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CHAIN OF CUSTODY / REQUEST FOR ANALYSIS DOCUMENT

(14)

CLIENT NAME/ADDRESS: NPV, 672 WEST WHITMAN RD., MELVILLE NY 11747

CONTACT: Bree Arcese

PHONE: 427-5665

FAX:

EMAIL:

PROJECT LOCATION: WEITHERS

SAMPLER (SIGNATURE): Eric C

SAMPLER NAME (PRINT): Bree Arcese

SAMPLE(S) SEALED: YES / NO

CORRECT CONTAINER(S): YES / NO

LA 4100807

(F(

SAMPLES RECEIVED AT: 1.7 °C

TERMS & CONDITIONS: Accounts are payable in full within thirty days, outstanding balances accrue service charges of 1.5% per month. Tendering of samples to LIAL for analytical testing constitutes agreement by buyer/sampler to LIAL's Standard terms

LABORATORY ID # (For Laboratory Use Only)	MATRIX	TYPE	pH	RES. CHLORINE	PRES.	DATE	TIME	SAMPLE # LOCATION	8260	8270	8081/8082	6010	7471	# OF CONTAINERS
1. 4100807-17	WW	G				10-7-14	3:44	MW-1	X	X	X	X	X	7
2. 18							2:07	MW-2						9
3. 19							2:30	MW-3						7
4. 20							1:45	DUP-W						7
5. 21							2:27	FB-W						7
6. 22								TRIP BLANK						3
7.														
8.														
9.														
10.														
11.														
12.														
13.														
14.														

Sample Preserved w/NAOH By: CLIENT 7/10

MATRIX: S=SOIL; SL=SLUDGE; DW=DRINKING WATER; A=AIR; W=WIPE; PC=PAINT CHIPS; BM= BULK MATERIAL, O=OIL, WW=WASTE WATER
TYPE: G=GRAB; C=COMPOSITE; SS=SPLIT SPOON
PRES: (1) ICE; (2) HCL; (3) H_2SO_4; (4) NAOH; (5) $NA_2S_3O_3$; (6) HNO_3; (7) OTHER

TURNAROUND REQUIRED: ☒ NORMAL ☐ STAT
BY / /

COMMENTS / INSTRUCTIONS

Sample Preserved w/HNO3 By: CLIENT

RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY (SIGNATURE)	DATE / TIME	PRINTED NAME
Eric C	DATE 10/7/14 TIME 3:51	Bree Arcese	[signature]	DATE 10/7/14 TIME 3:51	Jonathan McGin
[signature]	DATE 10/8/14 TIME 9:05	Jonathan McGin	[signature]	DATE 10-8-14 TIME 9:05 AM	BEN LAMBERSON

WHITE - OFFICE / CANARY - SAMPLE CUSTODIAN / PINK - CLIENT

LONG ISLAND ANALYTICAL LABORATORIES INC.

"TOMORROWS ANALYTICAL SOLUTIONS TODAY"

Laboratory Report

NYSDOH ELAP# 11693
USEPA# NY01273
CTDOH# PH-0284
AIHA# 164456
NJDEP# NY012
PADEP# 68-2943

LIAL# 4100803

October 25, 2014

Nelson, Pope & Voorhis
Steve McGinn
572 Walt Whitman Road
Melville, NY 11747

Re: Withers

Dear Steve McGinn,

Enclosed please find the laboratory Analysis Report(s) for sample(s) received on October 08, 2014. Long Island Analytical laboratories analyzed the samples on October 11, 2014 for the following:

CLIENT ID	ANALYSIS
SV-1	TO-15
SV-2	TO-15
SV-3	TO-15
SV-5	TO-15
SV-6	TO-15

If you have any questions or require further information, please call at your convenience. Long Island Analytical Laboratories Inc. is a NELAP accredited laboratory. All reported results meet the requirements of the NELAP standards unless noted. Report shall not be reproduced except in full without the written approval of the laboratory. Results related only to items tested. Long Island Analytical Laboratories would like to thank you for the opportunity to be of service to you.

Best Regards,

Long Island Analytical Laboratories, Inc.

Michael Veraldi - Laboratory Director

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 00:00	Sample ID: SV-1
Date (Time) Received: 10/08/2014 10:06	Laboratory ID: 4100803-01
Matrix: Air	ELAP: #11693

Subcontracted Analyses

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Vinyl chloride	75-01-4	0.26	0.26	<0.26	ug/m³	6.R
Vinyl acetate	108-05-4	0.36	0.36	<0.36	ug/m³	6.R
Trichloroethylene	79-01-6	0.27	0.27	4.8	ug/m³	6.R
trans-1,3-Dichloropropylene	10061-02-6	0.46	0.46	<0.46	ug/m³	6.R
trans-1,2-Dichloroethylene	156-60-5	0.40	0.40	<0.40	ug/m³	6.R
Toluene	108-88-3	0.38	0.38	190	ug/m³	6.R
Tetrahydrofuran	109-99-9	0.30	0.30	<0.30	ug/m³	2.B, 6.R
Tetrachloroethylene	127-18-4	0.69	0.69	11	ug/m³	6.R
Styrene	100-42-5	0.43	0.43	<0.43	ug/m³	6.R
Propylene	115-07-1	0.18	0.18	<0.18	ug/m³	2.B, 6.R
4-Ethyltoluene	622-96-8	0.50	0.50	79	ug/m³	2.B, 6.R
m,p-Xylenes	108-38-3/106-42-3	0.88	0.88	240	ug/m³	6.R
o-Xylene	95-47-6	0.44	0.44	76	ug/m³	6.R
n-Hexane	110-54-3	0.36	0.36	52	ug/m³	6.R
n-Heptane	142-82-5	0.42	0.42	31	ug/m³	6.R
Methylene Chloride	75-09-2	0.35	0.35	<0.35	ug/m³	6.R
Methyl-tert-Butyl Ether	1634-04-4	0.37	0.37	<0.37	ug/m³	6.R
4-Methyl-2-Pentanone	108-10-1	0.42	0.42	<0.42	ug/m³	6.R
Isopropanol	67-63-0	0.50	0.50	1.5	ug/m³	6.R
Hexachlorobutadiene	87-68-3	1.1	1.1	<1.1	ug/m³	6.R
Ethylbenzene	100-41-4	0.44	0.44	56	ug/m³	6.R
Cyclohexane	110-82-7	0.35	0.35	14	ug/m³	6.R
cis-1,3-Dichloropropylene	10061-01-5	0.46	0.46	<0.46	ug/m³	6.R
cis-1,2-Dichloroethylene	156-59-2	0.40	0.40	<0.40	ug/m³	6.R
Chloromethane	74-87-3	0.21	0.21	0.38	ug/m³	6.R
Chloroform	67-66-3	0.50	0.50	2.2	ug/m³	6.R
Chloroethane	75-00-3	0.27	0.27	<0.27	ug/m³	6.R
Carbon Tetrachloride	56-23-5	0.32	0.32	<0.32	ug/m³	6.R
Carbon disulfide	75-15-0	0.32	0.32	1.3	ug/m³	6.R
Bromomethane	74-83-9	0.39	0.39	<0.39	ug/m³	6.R

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 00:00	Sample ID: SV-1
Date (Time) Received: 10/08/2014 10:06	Laboratory ID: 4100803-01
Matrix: Air	ELAP: #11693

Subcontracted Analyses

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Bromoform	75-25-2	1.1	1.1	<1.1	ug/m³	6.R
Bromodichloromethane	75-27-4	0.63	0.63	<0.63	ug/m³	6.R
Benzyl Chloride	100-44-7	0.53	0.53	<0.53	ug/m³	6.R
Benzene	71-43-2	0.32	0.32	26	ug/m³	6.R
Acetone	67-64-1	0.24	0.24	11	ug/m³	6.R
Methyl Butyl Ketone (2-Hexanone)	591-78-6	0.83	0.83	<0.83	ug/m³	2.B, 6.R
Methyl Ethyl Ketone (2-Butanone)	78-93-3	0.30	0.30	2.6	ug/m³	6.R
1,4-Dioxane	123-91-1	0.37	0.37	<0.37	ug/m³	6.R
1,4-Dichlorobenzene	106-46-7	0.61	0.61	<0.61	ug/m³	6.R
1,3-Dichlorobenzene	541-73-1	0.61	0.61	<0.61	ug/m³	6.R
1,3-Butadiene	106-99-0	0.44	0.44	<0.44	ug/m³	6.R
1,3,5-Trimethylbenzene	108-67-8	0.50	0.50	20	ug/m³	6.R
1,2-Dichlorotetrafluoroethane	76-14-2	0.71	0.71	<0.71	ug/m³	6.R
1,2-Dichloropropane	78-87-5	0.47	0.47	<0.47	ug/m³	6.R
1,2-Dichloroethane	107-06-2	0.41	0.41	<0.41	ug/m³	6.R
1,2-Dichlorobenzene	95-50-1	0.61	0.61	<0.61	ug/m³	6.R
1,2,4-Trimethylbenzene	95-63-6	0.50	0.50	81	ug/m³	6.R
1,2,4-Trichlorobenzene	120-82-1	0.75	0.75	<0.75	ug/m³	6.R
1,1-Dichloroethylene	75-35-4	0.40	0.40	<0.40	ug/m³	6.R
1,1-Dichloroethane	75-34-3	0.41	0.41	<0.41	ug/m³	6.R
Trichlorofluoromethane	75-69-4	0.57	0.57	1.2	ug/m³	6.R
1,1,2-Trichloroethane	79-00-5	0.55	0.55	<0.55	ug/m³	6.R
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	0.78	0.78	<0.78	ug/m³	6.R
1,1,2,2-Tetrachloroethane	79-34-5	0.70	0.70	<0.70	ug/m³	6.R
1,1,1-Trichloroethane	71-55-6	0.55	0.55	<0.55	ug/m³	6.R
Dichlorodifluoromethane	75-71-8	0.50	0.50	1.9	ug/m³	6.R
1,2-Dibromoethane	106-93-4	0.78	0.78	<0.78	ug/m³	6.R
Dibromochloromethane	124-48-1	0.82	0.82	<0.82	ug/m³	6.R
Methyl Methacrylate	80-62-6	0.42	0.42	<0.42	ug/m³	6.R

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 00:00	Sample ID: SV-1
Date (Time) Received: 10/08/2014 10:06	Laboratory ID: 4100803-01
Matrix: Air	ELAP: #11693

Subcontracted Analyses

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Chlorobenzene	108-90-7	0.47	0.47	<0.47	ug/m³	6.R

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
4-Bromofluorobenzene	460-00-4	102	70-130	6.R

Date Prepared: 10/09/2014

Preparation Method: Outside Preparation

Date Analyzed: 10/11/2014

Analytical Method: TO-15

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 00:00	Sample ID: SV-2
Date (Time) Received: 10/08/2014 10:06	Laboratory ID: 4100803-02
Matrix: Air	ELAP: #11693

Subcontracted Analyses

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Vinyl chloride	75-01-4	0.26	0.26	<0.26	ug/m³	6.R
Vinyl acetate	108-05-4	0.36	0.36	<0.36	ug/m³	6.R
Trichloroethylene	79-01-6	0.27	0.27	<0.27	ug/m³	6.R
trans-1,3-Dichloropropylene	10061-02-6	0.46	0.46	<0.46	ug/m³	6.R
trans-1,2-Dichloroethylene	156-60-5	0.40	0.40	<0.40	ug/m³	6.R
Toluene	108-88-3	0.38	0.38	170	ug/m³	6.R
Tetrahydrofuran	109-99-9	0.30	0.30	<0.30	ug/m³	2.B, 6.R
Tetrachloroethylene	127-18-4	0.69	0.69	31	ug/m³	6.R
Styrene	100-42-5	0.43	0.43	<0.43	ug/m³	6.R
Propylene	115-07-1	0.18	0.18	<0.18	ug/m³	2.B, 6.R
4-Ethyltoluene	622-96-8	0.50	0.50	47	ug/m³	2.B, 6.R
m,p-Xylenes	108-38-3/106-42-3	0.88	0.88	180	ug/m³	6.R
o-Xylene	95-47-6	0.44	0.44	61	ug/m³	6.R
n-Hexane	110-54-3	0.36	0.36	32	ug/m³	6.R
n-Heptane	142-82-5	0.42	0.42	21	ug/m³	6.R
Methylene Chloride	75-09-2	0.35	0.35	<0.35	ug/m³	6.R
Methyl-tert-Butyl Ether	1634-04-4	0.37	0.37	<0.37	ug/m³	6.R
4-Methyl-2-Pentanone	108-10-1	0.42	0.42	<0.42	ug/m³	6.R
Isopropanol	67-63-0	0.50	0.50	46	ug/m³	6.R
Hexachlorobutadiene	87-68-3	1.1	1.1	<1.1	ug/m³	6.R
Ethylbenzene	100-41-4	0.44	0.44	48	ug/m³	6.R
Cyclohexane	110-82-7	0.35	0.35	8.6	ug/m³	6.R
cis-1,3-Dichloropropylene	10061-01-5	0.46	0.46	<0.46	ug/m³	6.R
cis-1,2-Dichloroethylene	156-59-2	0.40	0.40	<0.40	ug/m³	6.R
Chloromethane	74-87-3	0.21	0.21	<0.21	ug/m³	6.R
Chloroform	67-66-3	0.50	0.50	3.2	ug/m³	6.R
Chloroethane	75-00-3	0.27	0.27	<0.27	ug/m³	6.R
Carbon Tetrachloride	56-23-5	0.32	0.32	<0.32	ug/m³	6.R
Carbon disulfide	75-15-0	0.32	0.32	7.2	ug/m³	6.R
Bromomethane	74-83-9	0.39	0.39	<0.39	ug/m³	6.R

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 00:00	Sample ID: SV-2
Date (Time) Received: 10/08/2014 10:06	Laboratory ID: 4100803-02
Matrix: Air	ELAP: #11693

Subcontracted Analyses

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Bromoform	75-25-2	1.1	1.1	<1.1	ug/m³	6.R
Bromodichloromethane	75-27-4	0.63	0.63	<0.63	ug/m³	6.R
Benzyl Chloride	100-44-7	0.53	0.53	<0.53	ug/m³	6.R
Benzene	71-43-2	0.32	0.32	15	ug/m³	6.R
Acetone	67-64-1	0.24	0.24	270	ug/m³	6.R
Methyl Butyl Ketone (2-Hexanone)	591-78-6	0.83	0.83	<0.83	ug/m³	2.B, 6.R
Methyl Ethyl Ketone (2-Butanone)	78-93-3	0.30	0.30	32	ug/m³	6.R
1,4-Dioxane	123-91-1	0.37	0.37	<0.37	ug/m³	6.R
1,4-Dichlorobenzene	106-46-7	0.61	0.61	<0.61	ug/m³	6.R
1,3-Dichlorobenzene	541-73-1	0.61	0.61	<0.61	ug/m³	6.R
1,3-Butadiene	106-99-0	0.44	0.44	<0.44	ug/m³	6.R
1,3,5-Trimethylbenzene	108-67-8	0.50	0.50	12	ug/m³	6.R
1,2-Dichlorotetrafluoroethane	76-14-2	0.71	0.71	<0.71	ug/m³	6.R
1,2-Dichloropropane	78-87-5	0.47	0.47	<0.47	ug/m³	6.R
1,2-Dichloroethane	107-06-2	0.41	0.41	<0.41	ug/m³	6.R
1,2-Dichlorobenzene	95-50-1	0.61	0.61	<0.61	ug/m³	6.R
1,2,4-Trimethylbenzene	95-63-6	0.50	0.50	48	ug/m³	6.R
1,2,4-Trichlorobenzene	120-82-1	0.75	0.75	<0.75	ug/m³	6.R
1,1-Dichloroethylene	75-35-4	0.40	0.40	<0.40	ug/m³	6.R
1,1-Dichloroethane	75-34-3	0.41	0.41	<0.41	ug/m³	6.R
Trichlorofluoromethane	75-69-4	0.57	0.57	<0.57	ug/m³	6.R
1,1,2-Trichloroethane	79-00-5	0.55	0.55	<0.55	ug/m³	6.R
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	0.78	0.78	<0.78	ug/m³	6.R
1,1,2,2-Tetrachloroethane	79-34-5	0.70	0.70	<0.70	ug/m³	6.R
1,1,1-Trichloroethane	71-55-6	0.55	0.55	<0.55	ug/m³	6.R
Dichlorodifluoromethane	75-71-8	0.50	0.50	2.8	ug/m³	6.R
1,2-Dibromoethane	106-93-4	0.78	0.78	<0.78	ug/m³	6.R
Dibromochloromethane	124-48-1	0.82	0.82	<0.82	ug/m³	6.R
Methyl Methacrylate	80-62-6	0.42	0.42	<0.42	ug/m³	6.R

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 00:00	Sample ID: SV-2
Date (Time) Received: 10/08/2014 10:06	Laboratory ID: 4100803-02
Matrix: Air	ELAP: #11693

Subcontracted Analyses

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Chlorobenzene	108-90-7	0.47	0.47	<0.47	ug/m³	6.R

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
4-Bromofluorobenzene	460-00-4	96	70-130	6.R

Date Prepared: 10/09/2014

Preparation Method: Outside Preparation

Date Analyzed: 10/11/2014

Analytical Method: TO-15

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 00:00	Sample ID: SV-3
Date (Time) Received: 10/08/2014 10:06	Laboratory ID: 4100803-03
Matrix: Air	ELAP: #11693

Subcontracted Analyses

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Vinyl chloride	75-01-4	0.26	0.26	<0.26	ug/m³	6.R
Vinyl acetate	108-05-4	0.36	0.36	<0.36	ug/m³	6.R
Trichloroethylene	79-01-6	0.27	0.27	34	ug/m³	6.R
trans-1,3-Dichloropropylene	10061-02-6	0.46	0.46	<0.46	ug/m³	6.R
trans-1,2-Dichloroethylene	156-60-5	0.40	0.40	<0.40	ug/m³	6.R
Toluene	108-88-3	0.38	0.38	26	ug/m³	6.R
Tetrahydrofuran	109-99-9	0.30	0.30	<0.30	ug/m³	2.B, 6.R
Tetrachloroethylene	127-18-4	0.69	0.69	<0.69	ug/m³	6.R
Styrene	100-42-5	0.43	0.43	<0.43	ug/m³	6.R
Propylene	115-07-1	0.18	0.18	<0.18	ug/m³	2.B, 6.R
4-Ethyltoluene	622-96-8	0.50	0.50	14	ug/m³	2.B, 6.R
m,p-Xylenes	108-38-3/106-42-3	0.88	0.88	28	ug/m³	6.R
o-Xylene	95-47-6	0.44	0.44	16	ug/m³	6.R
n-Hexane	110-54-3	0.36	0.36	440	ug/m³	6.R
n-Heptane	142-82-5	0.42	0.42	100	ug/m³	6.R
Methylene Chloride	75-09-2	0.35	0.35	<0.35	ug/m³	6.R
Methyl-tert-Butyl Ether	1634-04-4	0.37	0.37	<0.37	ug/m³	6.R
4-Methyl-2-Pentanone	108-10-1	0.42	0.42	<0.42	ug/m³	6.R
Isopropanol	67-63-0	0.50	0.50	<0.50	ug/m³	6.R
Hexachlorobutadiene	87-68-3	1.1	1.1	<1.1	ug/m³	6.R
Ethylbenzene	100-41-4	0.44	0.44	12	ug/m³	6.R
Cyclohexane	110-82-7	0.35	0.35	110	ug/m³	6.R
cis-1,3-Dichloropropylene	10061-01-5	0.46	0.46	<0.46	ug/m³	6.R
cis-1,2-Dichloroethylene	156-59-2	0.40	0.40	<0.40	ug/m³	6.R
Chloromethane	74-87-3	0.21	0.21	<0.21	ug/m³	6.R
Chloroform	67-66-3	0.50	0.50	<0.50	ug/m³	6.R
Chloroethane	75-00-3	0.27	0.27	<0.27	ug/m³	6.R
Carbon Tetrachloride	56-23-5	0.32	0.32	<0.32	ug/m³	6.R
Carbon disulfide	75-15-0	0.32	0.32	99	ug/m³	6.R
Bromomethane	74-83-9	0.39	0.39	<0.39	ug/m³	6.R

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 00:00	Sample ID: SV-3
Date (Time) Received: 10/08/2014 10:06	Laboratory ID: 4100803-03
Matrix: Air	ELAP: #11693

Subcontracted Analyses

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Bromoform	75-25-2	1.1	1.1	<1.1	ug/m³	6.R
Bromodichloromethane	75-27-4	0.63	0.63	<0.63	ug/m³	6.R
Benzyl Chloride	100-44-7	0.53	0.53	<0.53	ug/m³	6.R
Benzene	71-43-2	0.32	0.32	40	ug/m³	6.R
Acetone	67-64-1	0.24	0.24	160	ug/m³	6.R
Methyl Butyl Ketone (2-Hexanone)	591-78-6	0.83	0.83	<0.83	ug/m³	2.B, 6.R
Methyl Ethyl Ketone (2-Butanone)	78-93-3	0.30	0.30	28	ug/m³	6.R
1,4-Dioxane	123-91-1	0.37	0.37	<0.37	ug/m³	6.R
1,4-Dichlorobenzene	106-46-7	0.61	0.61	<0.61	ug/m³	6.R
1,3-Dichlorobenzene	541-73-1	0.61	0.61	<0.61	ug/m³	6.R
1,3-Butadiene	106-99-0	0.44	0.44	<0.44	ug/m³	6.R
1,3,5-Trimethylbenzene	108-67-8	0.50	0.50	<0.50	ug/m³	6.R
1,2-Dichlorotetrafluoroethane	76-14-2	0.71	0.71	<0.71	ug/m³	6.R
1,2-Dichloropropane	78-87-5	0.47	0.47	<0.47	ug/m³	6.R
1,2-Dichloroethane	107-06-2	0.41	0.41	<0.41	ug/m³	6.R
1,2-Dichlorobenzene	95-50-1	0.61	0.61	<0.61	ug/m³	6.R
1,2,4-Trimethylbenzene	95-63-6	0.50	0.50	12	ug/m³	6.R
1,2,4-Trichlorobenzene	120-82-1	0.75	0.75	<0.75	ug/m³	6.R
1,1-Dichloroethylene	75-35-4	0.40	0.40	<0.40	ug/m³	6.R
1,1-Dichloroethane	75-34-3	0.41	0.41	<0.41	ug/m³	6.R
Trichlorofluoromethane	75-69-4	0.57	0.57	<0.57	ug/m³	6.R
1,1,2-Trichloroethane	79-00-5	0.55	0.55	<0.55	ug/m³	6.R
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	0.78	0.78	<0.78	ug/m³	6.R
1,1,2,2-Tetrachloroethane	79-34-5	0.70	0.70	<0.70	ug/m³	6.R
1,1,1-Trichloroethane	71-55-6	0.55	0.55	<0.55	ug/m³	6.R
Dichlorodifluoromethane	75-71-8	0.50	0.50	<0.50	ug/m³	6.R
1,2-Dibromoethane	106-93-4	0.78	0.78	<0.78	ug/m³	6.R
Dibromochloromethane	124-48-1	0.82	0.82	<0.82	ug/m³	6.R
Methyl Methacrylate	80-62-6	0.42	0.42	<0.42	ug/m³	6.R

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 00:00	Sample ID: SV-3
Date (Time) Received: 10/08/2014 10:06	Laboratory ID: 4100803-03
Matrix: Air	ELAP: #11693

Subcontracted Analyses

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Chlorobenzene	108-90-7	0.47	0.47	<0.47	ug/m³	6.R

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
4-Bromofluorobenzene	460-00-4	100	70-130	6.R

Date Prepared: 10/09/2014

Preparation Method: Outside Preparation

Date Analyzed: 10/10/2014

Analytical Method: TO-15

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 00:00	Sample ID: SV-5
Date (Time) Received: 10/08/2014 10:06	Laboratory ID: 4100803-05
Matrix: Air	ELAP: #11693

Subcontracted Analyses

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Vinyl chloride	75-01-4	0.26	0.26	<0.26	ug/m³	6.R
Vinyl acetate	108-05-4	0.36	0.36	<0.36	ug/m³	6.R
Trichloroethylene	79-01-6	0.27	0.27	10	ug/m³	6.R
trans-1,3-Dichloropropylene	10061-02-6	0.46	0.46	<0.46	ug/m³	6.R
trans-1,2-Dichloroethylene	156-60-5	0.40	0.40	<0.40	ug/m³	6.R
Toluene	108-88-3	0.38	0.38	82	ug/m³	6.R
Tetrahydrofuran	109-99-9	0.30	0.30	<0.30	ug/m³	2.B, 6.R
Tetrachloroethylene	127-18-4	0.69	0.69	1.7	ug/m³	6.R
Styrene	100-42-5	0.43	0.43	<0.43	ug/m³	6.R
Propylene	115-07-1	0.18	0.18	<0.18	ug/m³	2.B, 6.R
4-Ethyltoluene	622-96-8	0.50	0.50	44	ug/m³	2.B, 6.R
m,p-Xylenes	108-38-3/106-42-3	0.88	0.88	100	ug/m³	6.R
o-Xylene	95-47-6	0.44	0.44	34	ug/m³	6.R
n-Hexane	110-54-3	0.36	0.36	59	ug/m³	6.R
n-Heptane	142-82-5	0.42	0.42	24	ug/m³	6.R
Methylene Chloride	75-09-2	0.35	0.35	3.9	ug/m³	6.R
Methyl-tert-Butyl Ether	1634-04-4	0.37	0.37	<0.37	ug/m³	6.R
4-Methyl-2-Pentanone	108-10-1	0.42	0.42	<0.42	ug/m³	6.R
Isopropanol	67-63-0	0.50	0.50	1.5	ug/m³	6.R
Hexachlorobutadiene	87-68-3	1.1	1.1	<1.1	ug/m³	6.R
Ethylbenzene	100-41-4	0.44	0.44	23	ug/m³	6.R
Cyclohexane	110-82-7	0.35	0.35	5.0	ug/m³	6.R
cis-1,3-Dichloropropylene	10061-01-5	0.46	0.46	<0.46	ug/m³	6.R
cis-1,2-Dichloroethylene	156-59-2	0.40	0.40	<0.40	ug/m³	6.R
Chloromethane	74-87-3	0.21	0.21	0.58	ug/m³	6.R
Chloroform	67-66-3	0.50	0.50	1.3	ug/m³	6.R
Chloroethane	75-00-3	0.27	0.27	<0.27	ug/m³	6.R
Carbon Tetrachloride	56-23-5	0.32	0.32	<0.32	ug/m³	6.R
Carbon disulfide	75-15-0	0.32	0.32	24	ug/m³	6.R
Bromomethane	74-83-9	0.39	0.39	<0.39	ug/m³	6.R

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 00:00	Sample ID: SV-5
Date (Time) Received: 10/08/2014 10:06	Laboratory ID: 4100803-05
Matrix: Air	ELAP: #11693

Subcontracted Analyses

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Bromoform	75-25-2	1.1	1.1	<1.1	ug/m³	6.R
Bromodichloromethane	75-27-4	0.63	0.63	<0.63	ug/m³	6.R
Benzyl Chloride	100-44-7	0.53	0.53	<0.53	ug/m³	6.R
Benzene	71-43-2	0.32	0.32	9.0	ug/m³	6.R
Acetone	67-64-1	0.24	0.24	97	ug/m³	6.R
Methyl Butyl Ketone (2-Hexanone)	591-78-6	0.83	0.83	<0.83	ug/m³	2.B, 6.R
Methyl Ethyl Ketone (2-Butanone)	78-93-3	0.30	0.30	11	ug/m³	6.R
1,4-Dioxane	123-91-1	0.37	0.37	<0.37	ug/m³	6.R
1,4-Dichlorobenzene	106-46-7	0.61	0.61	<0.61	ug/m³	6.R
1,3-Dichlorobenzene	541-73-1	0.61	0.61	<0.61	ug/m³	6.R
1,3-Butadiene	106-99-0	0.44	0.44	<0.44	ug/m³	6.R
1,3,5-Trimethylbenzene	108-67-8	0.50	0.50	12	ug/m³	6.R
1,2-Dichlorotetrafluoroethane	76-14-2	0.71	0.71	<0.71	ug/m³	6.R
1,2-Dichloropropane	78-87-5	0.47	0.47	<0.47	ug/m³	6.R
1,2-Dichloroethane	107-06-2	0.41	0.41	<0.41	ug/m³	6.R
1,2-Dichlorobenzene	95-50-1	0.61	0.61	<0.61	ug/m³	6.R
1,2,4-Trimethylbenzene	95-63-6	0.50	0.50	49	ug/m³	6.R
1,2,4-Trichlorobenzene	120-82-1	0.75	0.75	<0.75	ug/m³	6.R
1,1-Dichloroethylene	75-35-4	0.40	0.40	1.1	ug/m³	6.R
1,1-Dichloroethane	75-34-3	0.41	0.41	<0.41	ug/m³	6.R
Trichlorofluoromethane	75-69-4	0.57	0.57	1.6	ug/m³	6.R
1,1,2-Trichloroethane	79-00-5	0.55	0.55	<0.55	ug/m³	6.R
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	0.78	0.78	<0.78	ug/m³	6.R
1,1,2,2-Tetrachloroethane	79-34-5	0.70	0.70	<0.70	ug/m³	6.R
1,1,1-Trichloroethane	71-55-6	0.55	0.55	<0.55	ug/m³	6.R
Dichlorodifluoromethane	75-71-8	0.50	0.50	2.1	ug/m³	6.R
1,2-Dibromoethane	106-93-4	0.78	0.78	<0.78	ug/m³	6.R
Dibromochloromethane	124-48-1	0.82	0.82	<0.82	ug/m³	6.R
Methyl Methacrylate	80-62-6	0.42	0.42	<0.42	ug/m³	6.R

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 00:00	Sample ID: SV-5
Date (Time) Received: 10/08/2014 10:06	Laboratory ID: 4100803-05
Matrix: Air	ELAP: #11693

Subcontracted Analyses

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Chlorobenzene	108-90-7	0.47	0.47	<0.47	ug/m³	6.R

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
4-Bromofluorobenzene	460-00-4	101	70-130	6.R

Date Prepared: 10/09/2014

Preparation Method: Outside Preparation

Date Analyzed: 10/11/2014

Analytical Method: TO-15

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 00:00	Sample ID: SV-6
Date (Time) Received: 10/08/2014 10:06	Laboratory ID: 4100803-06
Matrix: Air	ELAP: #11693

Subcontracted Analyses

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Vinyl chloride	75-01-4	0.26	0.26	<0.26	ug/m³	6.R
Vinyl acetate	108-05-4	0.36	0.36	<0.36	ug/m³	6.R
Trichloroethylene	79-01-6	0.27	0.27	2.1	ug/m³	6.R
trans-1,3-Dichloropropylene	10061-02-6	0.46	0.46	<0.46	ug/m³	6.R
trans-1,2-Dichloroethylene	156-60-5	0.40	0.40	<0.40	ug/m³	6.R
Toluene	108-88-3	0.38	0.38	94	ug/m³	6.R
Tetrahydrofuran	109-99-9	0.30	0.30	5.3	ug/m³	2.B, 6.R
Tetrachloroethylene	127-18-4	0.69	0.69	<0.69	ug/m³	6.R
Styrene	100-42-5	0.43	0.43	<0.43	ug/m³	6.R
Propylene	115-07-1	0.18	0.18	<0.18	ug/m³	2.B, 6.R
4-Ethyltoluene	622-96-8	0.50	0.50	44	ug/m³	2.B, 6.R
m,p-Xylenes	108-38-3/106-42-3	0.88	0.88	110	ug/m³	6.R
o-Xylene	95-47-6	0.44	0.44	35	ug/m³	6.R
n-Hexane	110-54-3	0.36	0.36	57	ug/m³	6.R
n-Heptane	142-82-5	0.42	0.42	17	ug/m³	6.R
Methylene Chloride	75-09-2	0.35	0.35	160	ug/m³	6.R
Methyl-tert-Butyl Ether	1634-04-4	0.37	0.37	<0.37	ug/m³	6.R
4-Methyl-2-Pentanone	108-10-1	0.42	0.42	<0.42	ug/m³	6.R
Isopropanol	67-63-0	0.50	0.50	3.5	ug/m³	6.R
Hexachlorobutadiene	87-68-3	1.1	1.1	<1.1	ug/m³	6.R
Ethylbenzene	100-41-4	0.44	0.44	24	ug/m³	6.R
Cyclohexane	110-82-7	0.35	0.35	17	ug/m³	6.R
cis-1,3-Dichloropropylene	10061-01-5	0.46	0.46	<0.46	ug/m³	6.R
cis-1,2-Dichloroethylene	156-59-2	0.40	0.40	<0.40	ug/m³	6.R
Chloromethane	74-87-3	0.21	0.21	1.1	ug/m³	6.R
Chloroform	67-66-3	0.50	0.50	1.3	ug/m³	6.R
Chloroethane	75-00-3	0.27	0.27	<0.27	ug/m³	6.R
Carbon Tetrachloride	56-23-5	0.32	0.32	<0.32	ug/m³	6.R
Carbon disulfide	75-15-0	0.32	0.32	16	ug/m³	6.R
Bromomethane	74-83-9	0.39	0.39	<0.39	ug/m³	6.R

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 00:00	Sample ID: SV-6
Date (Time) Received: 10/08/2014 10:06	Laboratory ID: 4100803-06
Matrix: Air	ELAP: #11693

Subcontracted Analyses

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Bromoform	75-25-2	1.1	1.1	<1.1	ug/m³	6.R
Bromodichloromethane	75-27-4	0.63	0.63	<0.63	ug/m³	6.R
Benzyl Chloride	100-44-7	0.53	0.53	<0.53	ug/m³	6.R
Benzene	71-43-2	0.32	0.32	14	ug/m³	6.R
Acetone	67-64-1	0.24	0.24	260	ug/m³	6.R
Methyl Butyl Ketone (2-Hexanone)	591-78-6	0.83	0.83	<0.83	ug/m³	2.B, 6.R
Methyl Ethyl Ketone (2-Butanone)	78-93-3	0.30	0.30	17	ug/m³	6.R
1,4-Dioxane	123-91-1	0.37	0.37	<0.37	ug/m³	6.R
1,4-Dichlorobenzene	106-46-7	0.61	0.61	<0.61	ug/m³	6.R
1,3-Dichlorobenzene	541-73-1	0.61	0.61	<0.61	ug/m³	6.R
1,3-Butadiene	106-99-0	0.44	0.44	14	ug/m³	6.R
1,3,5-Trimethylbenzene	108-67-8	0.50	0.50	12	ug/m³	6.R
1,2-Dichlorotetrafluoroethane	76-14-2	0.71	0.71	<0.71	ug/m³	6.R
1,2-Dichloropropane	78-87-5	0.47	0.47	<0.47	ug/m³	6.R
1,2-Dichloroethane	107-06-2	0.41	0.41	<0.41	ug/m³	6.R
1,2-Dichlorobenzene	95-50-1	0.61	0.61	<0.61	ug/m³	6.R
1,2,4-Trimethylbenzene	95-63-6	0.50	0.50	51	ug/m³	6.R
1,2,4-Trichlorobenzene	120-82-1	0.75	0.75	<0.75	ug/m³	6.R
1,1-Dichloroethylene	75-35-4	0.40	0.40	<0.40	ug/m³	6.R
1,1-Dichloroethane	75-34-3	0.41	0.41	<0.41	ug/m³	6.R
Trichlorofluoromethane	75-69-4	0.57	0.57	3.2	ug/m³	6.R
1,1,2-Trichloroethane	79-00-5	0.55	0.55	<0.55	ug/m³	6.R
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	0.78	0.78	<0.78	ug/m³	6.R
1,1,2,2-Tetrachloroethane	79-34-5	0.70	0.70	<0.70	ug/m³	6.R
1,1,1-Trichloroethane	71-55-6	0.55	0.55	<0.55	ug/m³	6.R
Dichlorodifluoromethane	75-71-8	0.50	0.50	2.1	ug/m³	6.R
1,2-Dibromoethane	106-93-4	0.78	0.78	<0.78	ug/m³	6.R
Dibromochloromethane	124-48-1	0.82	0.82	<0.82	ug/m³	6.R
Methyl Methacrylate	80-62-6	0.42	0.42	<0.42	ug/m³	6.R

Client: Nelson, Pope & Voorhis	Client ID: Withers
Date (Time) Collected: 10/07/2014 00:00	Sample ID: SV-6
Date (Time) Received: 10/08/2014 10:06	Laboratory ID: 4100803-06
Matrix: Air	ELAP: #11693

Subcontracted Analyses

Parameter	CAS No.	MDL	LOQ	Result	Units	Flag
Chlorobenzene	108-90-7	0.47	0.47	<0.47	ug/m³	6.R

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
4-Bromofluorobenzene	460-00-4	99	70-130	6.R

Date Prepared: 10/09/2014

Date Analyzed: 10/11/2014

Preparation Method: Outside Preparation

Analytical Method: TO-15

Data Qualifiers Key Reference:

2.B Parameter not certifiable by ELAP.

6.R Subcontractor ELAP #10854

MDL Minimum Detection Limit

LOQ Limit of Quantitation

LONG ISLAND ANALYTICAL LABORATORIES INC.
"TOMORROWS ANALYTICAL SOLUTIONS TODAY"
110 Colin Drive • Holbrook, New York 11741 • Phone (631) 472-3400 • Fax (631) 472-8505 • Email: LIAL@lialinc.com

CHAIN OF CUSTODY / REQUEST FOR ANALYSIS DOCUMENT (14)

CLIENT NAME/ADDRESS: NPV, 572 West Wheatman Rd, Melville NY 11747

CONTACT: Brad Arcese

PHONE: 427-5665

FAX:

EMAIL:

PROJECT LOCATION: Westbury

SAMPLER (SIGNATURE): [signature]

SAMPLER NAME (PRINT): Brad Arcese

SAMPLE(S) SEALED: YES / NO

CORRECT CONTAINER(S): YES / NO

4100803

SAMPLES RECEIVED AT: N/A °C

TERMS & CONDITIONS: Accounts are payable in full within thirty days, outstanding balances accrue service charges of 1.5% per month. Tendering of samples to LIAL for analytical testing constitutes agreement by buyer/sampler to LIAL's Standard terms

LABORATORY ID # (For Laboratory Use Only)	MATRIX	TYPE	pH	RES. CHLORINE	PRES.	DATE	TIME	SAMPLE # LOCATION	ANALYSIS REQUIRED: TO-15	# OF CONTAINERS
1. 4100803-01	A	G	–	–	–	10/7/14	~~10/7/14~~	SV-1	X	1
2. 02								SV-2	X	
3. 03								SV-3	X	
4. 04								SV-4	X	
5. 05								SV-5	X	
6. 06								SV-6	X	
7.										
8.										
9.										
10.										
11.										
12.										
13.										
14.										

MATRIX: S=SOIL; SL=SLUDGE; DW=DRINKING WATER; A=AIR; W=WIPE; PC=PAINT CHIPS; BM= BULK MATERIAL, O=OIL, WW=WASTE WATER
TYPE: G=GRAB; C=COMPOSITE; SS=SPLIT SPOON
PRES: (1) ICE; (2) HCL; (3) H_2SO_4; (4) NAOH; (5) $NA_2S_3O_3$; (6) HNO_3; (7) OTHER

TURNAROUND REQUIRED: ☒ NORMAL ☐ STAT
BY / /

COMMENTS / INSTRUCTIONS

RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY (SIGNATURE)	DATE / TIME	PRINTED NAME
[signature]	10/7/14 3:51	Brad Arcese	[signature]	10/7/14 3:51	Jonathan McGinn
RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY SAMPLE CUSTODIAN	DATE / TIME	PRINTED NAME
[signature]	10/8/14 9:05	Jonathan McGinn	[signature]	10-8-14 9:04AM	Ben Lamberson

WHITE - OFFICE / CANARY - SAMPLE CUSTODIAN / PINK - CLIENT

YORK
ANALYTICAL LABORATORIES, INC.
120 RESEARCH DR. STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record - AIR

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions unless superseded by written contract.

York Project No. _____

YOUR Information
Company: NPV
Address: 572 Walt Whitman Rd
Melville NY 11747
Phone No. 631-427-5665
Contact Person: Brec Dessa
E-Mail Address:

Report To:
Company: SLA
Address: LIAC
Phone No.
Attention:
E-Mail Address:

Invoice To:
Company: SLA
Address: LIAC
Phone No.
Attention:
E-Mail Address:

YOUR Project ID
WETLANDS
4100803
S ... NY X NJ

Turn-Around Time
RUSH - Same Day ☐
RUSH - Next Day ☐
RUSH - Two Day ☐
RUSH - Three Day ☐
RUSH - Four Day ☐
Standard(5-7 Days) X

Report Type/Deliverables
Summary Report
Summary w/ QA Summary
CT RCP Package
NY ASP A Package
NY ASP B/CLP Pkg
NJDEP Reduced
Electronic Deliverables:
EDD (Specify Type)
Standard Excel
Regulatory Comparison Excel

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Samples Collected/Authorized By (Signature)
Brec Dessa
Name (printed)

Air Matrix Codes
AI - INDOOR Ambient Air
AO- OUTDOOR Amb. Air
AE- Vapor Extraction Well/ Process Gas/Effluent
AS- SOIL Vapor/Sub-Slab

TO15 Volatiles and Other Gas Analyses
EPA TO-15 List
EPA TO-14A List
NYSDEC VI list
Tentatively Identified Compounds
NYSDEC STARS List
Air VPH
Project Specific List by TO-15
Helium
NJDEP Target List
Methane
CTDEP RCP Target List
OTHER

Detection Limits Required
≤ 1 ug/m³ X
NYSDEC VI Limits
(VI = vapor intrusion)
NJDEP low level
Routine Survey
Other

Special Instructions

Sample Identification	Date Sampled	AIR Matrix	Canister Vacuum Before Sampling (in. Hg)	Canister Vacuum Afer Sampling (in. Hg)	Choose Analyses Needed from the Menu Above and Enter Below	Sampling Media
SV-1	10/7/14	AS	30	9	TO-15 4100801 -01	6 Liter Summa canister X / Tedlar Bag
SV-2	↓	↓	30	9	02	6 Liter Summa canister X / Tedlar Bag
SV-3			30	9	03	6 Liter Summa canister X / Tedlar Bag
SV-4			28	5	04	6 Liter Summa canister X / Tedlar Bag
SV-5			30	9	05	6 Liter Summa canister X / Tedlar Bag
SV-6			24	9	06	6 Liter Summa canister X / Tedlar Bag
						6 Liter Summa canister / Tedlar Bag
						6 Liter Summa canister / Tedlar Bag
						6 Liter Summa canister / Tedlar Bag
						6 Liter Summa canister / Tedlar Bag
						6 Liter Summa canister / Tedlar Bag

Comments

Samples Relinquished By — Date/Time 10/7/14 3:51
Samples Relinquished By — Date/Time 10/8/14 9:05
Samples Received By — Date/Time 10/7/14 3:51
Samples Received in LAB by — Date/Time 10-8-14